

THE
SEISMOLOGICAL BULLETIN

OF THE

TYOSI METEOROLOGICAL OBSERVATORY

TYOSI, JAPAN

1934

From Jan. to Dec.

TYOSI

Dec. 1935

TYOSI, JAPAN.



SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

$\phi=35^{\circ}44'N$ $\lambda=140^{\circ}52'E$ $h=18.2m$ Lithologic foundation : Loam (Tertiary)

INSTRUMENTAL CONSTANTS

INSTRUMENT	COMPONENT	MASS kg	DAMPING	T_0	$\frac{r}{T_0^2}$	ϵ	V
Wiechert	N—S	200	Air	5.4	0.014	6.0	71
	E—W	200	"	5.2	0.011	5.5	78
Wiechert	U—D	80	"	4.2	0.010	6.1	55
Omori	N—S	14.5	Magnetic	20	0.003	2—4	20
Omori	E—W	15.0	"	20	0.004	2—4	20
Omori	N—S	46.1		18	—		120
Omori	N—S	20		4	0.065		50
	E—W	20		4	0.065		50
C. M. O.	N—S	2.3	Magnetic	2.5	0.001	2	2
	E—W	2.3	"	2.3	0.005	2	2
	U—D	2.3	"	3.0	0.019	2	3
Omori	U—D	6.1		5	—		20

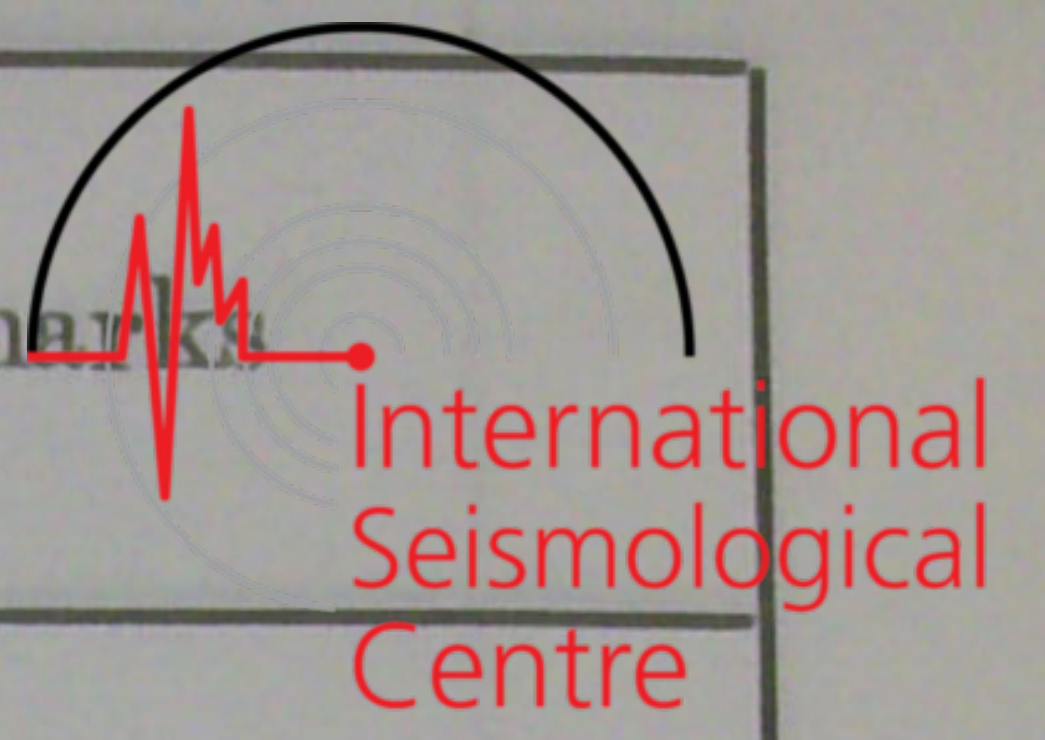
No. 1

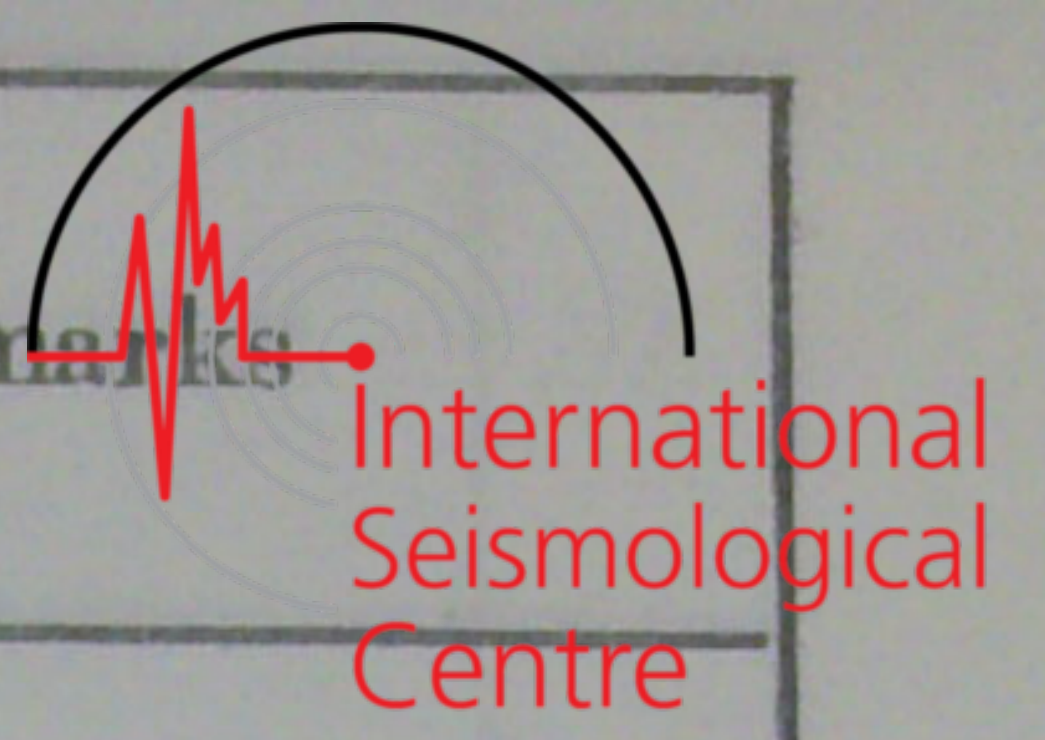
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
1	Jan. 1	eP	9	47	6.0				49		
		S	9	47	12.6						
		F	9	47	29						
2	Jan. 2	eP	9	35	28.8				24		
		S	9	35	32.0						
		M _{EN}	9	35	34.1						
3	Jan. 2	F	9	36	26	0.8	+ 6	+ 6	144		
		eP	13	21	51.3						
		S	13	22	10.7						
4	Jan. 2	M _{EN}	13	22	11.3				117		
		F	13	22	50						
		eP	14	51	43.6						
5	Jan. 3	S	14	51	59.4						
		S ₁	14	52	4.5						
		F	14	53	16						
6	Jan. 3	S	8	55	19.6	2.5	— 3	— 14	2090		
		F	8	55	42						
		iP	18	46	53.8						
7	Jan. 5	P _{ME}	18	47	45.2	5.0	— 8	— 18	44		
		M _N	18	48	25.2						
		S	18	50	24.8						
8	Jan. 5	M _E	18	50	32.1	5.0	+26	— 10			
		F	19	1							
		P	12	14	22.6						
9	Jan. 5	S	12	14	28.5				24		
		F	12	14	43						
		S	19	45	18.0						
10	Jan. 5	F	19	46	13						
		eP	21	17	33.7						
		F	21	18	9						
		P	23	14	30.2						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
11	Jan. 7	S	23	14	33.4	0.6	- 8	- 4		36	
		F	23	14	52						
		P	1	40	30.8						
		S	1	40	35.7	1.0	+11	- 3			
		M _N	1	40	36.4	1.0		- 7			
12	Jan. 7	F	1	41	11					56	
		eP	1	49	56.1						
		S	1	50	3.6						
13	Jan. 9	F	1	51	4					536	
		eP	8	8	38.4						
		S	8	9	50.6						
		M _N	8	10	20.5	2.5		-13			
		M _E	8	10	38.2	2.5	-11				
14	Jan. 10	F	8	12	38					65	
		P	1	56	31.6						
		S	1	56	40.4	0.7	- 6	-10			
		M _E	1	56	40.9	0.7	+10				
15	Jan. 10	F	1	57	58					33	
		eP	20	56	29.1						
		S	20	56	33.5	0.8	- 5	- 7			
16	Jan. 10	F	20	57	17						
		eP	20	58	34.4						
		F	20	59	5						
17	Jan. 11	P	8	30	53.8					377	
		S	8	31	44.6	1.2	+ 6				
		M _N	8	31	45.0	1.2		- 7			
18	Jan. 12	F	8	32	44					103	
		P	4	11	2.3						
		S	4	11	16.2	1.2	+ 7	+ 5			
19	Jan. 12	F	4	12	13					39	
		P	10	33	57.8						
		S	10	34	3.0						
20	Jan. 12	F	10	34	12					92	
		eP	11	14	32.3						
		S	11	14	44.7						
21	Jan. 12	F	11	15	42					34	
		P	20	7	41.9						
		S	20	7	45.1						
22	Jan. 13	F	20	8	5					90	
		P	9	10	48.5						
		S	9	11	0.6	1.5	-12	+ 7			
		M _{EN}	9	11	3.1	0.8	-23	-24			
23	Jan. 14	F	9	13	10					139	
		eP	15	33	16.5						
		S	15	33	35.2						
		M _N	15	33	36.5	0.6		- 8			
		M _E	15	33	36.9	0.6	+11				
24	Jan. 15	F	15	35	18					36	
		eP	5	12	52.6						
		S	5	12	57.5	1.0	+ 6	- 8			
25	Jan. 15	F	5	13	38					5289	
		eP	17	51	51.7						
		S	17	58	49.4	6.0	+88	+59	-42		
		L	18	7	59.6						
		M _N	18	13	29.5	12.8		-610			
		M _E	18	14	27.0	15.0	+610				
		M _Z	18	14	32.7	15.0			+440		
C	18	50									



No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
26	Jan. 16	F	19	24							
		P	3	39	6.4						
27	Jan. 16	F	3	39	44						
		S	13	34	11.5						
28	Jan. 18	F	13	34	43						
		P	2	29	50.4						
29	Jan. 18	F	2	29	58						
		P	2	32	8.2				27		
30	Jan. 18	S	2	32	11.8	0.5	+ 6	- 10			
		F	2	32	24						
31	Jan. 18	S	3	23	3.1						
		F	3	23	27						
32	Jan. 19	P	11	12	4.2				82		
		S	11	12	15.2	0.6	- 5	+ 2			
33	Jan. 19	F	11	13	20						
		P	16	34	24.5				45		
34	Jan. 19	S	16	34	30.6						
		F	16	34	42						
35	Jan. 19	S	16	35	19.5						
		F	16	35	31						
36	Jan. 21	iP	18	35	24.8	0.6			+ 4	79	
		S	18	35	35.4	0.7	+19				
37	Jan. 21	M _Z	18	35	37.8	0.7			- 5		
		M _{EN}	18	35	43.0	0.7	+24	+14			
38	Jan. 21	F	18	37	13						
		S	20	22	42.0						
39	Jan. 21	F	20	22	53						
		P	11	35	35.9				63		
40	Jan. 21	S	11	35	44.4						
		F	11	35	58						
41	Jan. 21	eP	14	41	14.1						
		F	14	42	22						
42	Jan. 21	eP	16	15	41.7				129		
		S	16	15	59.1	1.2	+ 6	- 7			
43	Jan. 21	F	16	17	32						
		P	16	52	21.3				88		
44	Jan. 21	S	16	52	33.1	0.7	- 9	+ 7			
		F	16	53	48						
45	Jan. 22	eP	11	17	11.3				153		
		S	11	17	32.0						
46	Jan. 22	F	11	18	23						
		iP	18	7	6.5	0.6			- 9	25	
47	Jan. 22	S	18	7	9.8	0.5	-32	-53	+ 7		
		F	18	8	13						
48	Jan. 24	P	23	25	42.7				71		
		S	23	25	52.3	0.9	-10	- 7			
49	Jan. 24	M _N	23	25	53.6	0.7			+10		
		M _E	23	25	55.8	0.8	+15				
50	Jan. 25	F	23	27	24						
		eP	6	41	57.0				126		
51	Jan. 25	S	6	42	14.0	1.0	-19	-14	+11		
		M _Z	6	42	21.2	0.9			-12		
52	Jan. 25	M _N	6	42	26.0	0.8			+46		
		M _E	6	42	30.8	0.8	+48				
53	Jan. 27	F	6	45	30						
		iP	8	50	32.8	0.4	+ 4	+ 2	+15	47	
54	Jan. 27	S	8	50	39.1						
		M _{EN}	8	50	42.9	1.0	+41	-31			



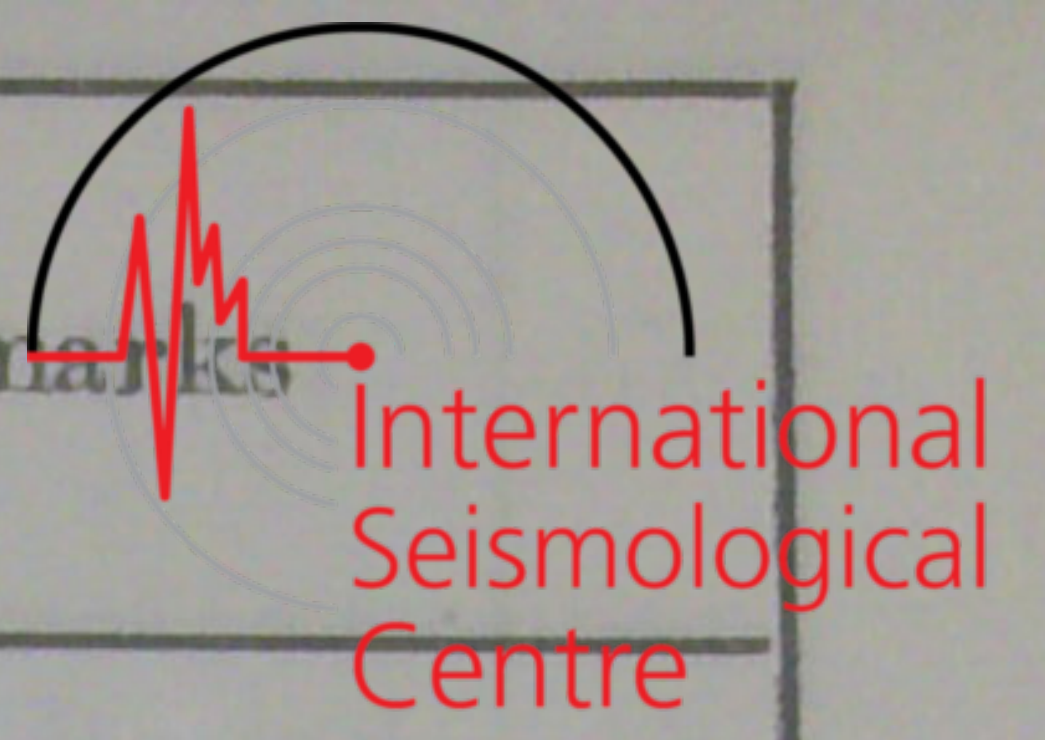


No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE	AN	AZ		
							μ	μ	μ		
45	Jan. 27	F	8	52	41				73		
		P	9	40	31.2						
		M _Z	9	40	32.5	0.7					+ 14
		S	9	40	41.0	1.2	+ 27	+ 34			
46	Jan. 27	F	9	42	43				55		
		eP	10	35	34.0						
		S	10	35	41.3						
47	Jan. 29	F	10	36	1				273		
		P	21	35	32.8						
		S	21	36	9.6	0.7	+ 4	+ 4			
		M _{EN}	21	36	15.8	1.2	+ 16	+ 21			
48	Jan. 30	F	21	40	48				55		
		iP	7	12	7.3	1.2					+ 5
		S	7	12	14.7	1.2	+ 86	+ 30			- 4
		M _Z	7	12	17.5	1.0					- 9
		M _N	7	12	18.5	1.2		+ 52			
49	Jan. 31	F	7	14	7				63		
		eP	1	21	32.9						
		S	1	21	41.4						
50	Jan. 31	F	1	22	14						
		eP	2	7	48.8						
F	2	8	27								
51	Feb. 1	eP	1	15	41.0						
F	1	16	49								
52	Feb. 1	P	9	16	25.1				125		
		S	9	16	41.9	1.2	+ 9	+ 10			- 5
		M _N	9	16	50.6	1.2		+ 63			
		M _E	9	16	52.3	1.2	+ 39				
		M _Z	9	16	53.1	0.8					+ 13
		F	9	20	30						
53	Feb. 2	S	0	30	28.7						
		F	0	31	18						
54	Feb. 3	eP	3	32	4.2				124		
		S	3	32	20.8						
		M _N	3	32	24.9	1.2					- 6
		M _E	3	32	31.0	1.2	+ 11				
		F	3	34	8						
55	Feb. 3	eP	22	16	23.5				59		
		S	22	16	31.5						
		M _N	22	16	32.4	0.9					+ 8
		M _E	22	16	36.5	1.2	+ 10				
		F	22	17	33						
56	Feb. 4	eP	12	14	22.4				1761		
		S	12	17	23.5						
		F	12	18	46						
57	Feb. 5	eP	20	32	4.0				27		
		S	20	32	7.6						
		F	20	32	21						
58	Feb. 5	eP	11	43	58.6				148		
		S	11	44	18.6						
		F	11	45	46						
59	Feb. 5	eP	15	26	36.3				141		
		S	15	26	55.3						
		F	15	28	1						
60	Feb. 6	eP	8	2	6.1						
		F	8	2	29						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
61	Feb. 6	eP	22	7	59.0					40	
		S	22	8	4.4	0.6	-10	-3	+3		
		M _E	22	8	4.9	0.7	+15				
		M _Z	22	8	6.5	0.7			+9		
62	Feb. 9	F	22	9	34					71	
		P	4	15	13.6						
		S	4	15	23.2	0.8	+11	-10			
		M _N	4	15	23.8	0.8		+17			
63	Feb. 9	F	4	16	52						
		eP	5	27	28.6						
		F	5	27	49						
64	Feb. 9	eP	8	18	39.7					82	
		S	8	18	50.7						
		F	8	19	32						
65	Feb. 9	eP	9	53	25.0						
		F	9	54	0						
66	Feb. 9	eP	11	54	33.5					81	
		S	11	54	44.4	0.5	-3				
		M _E	11	54	44.8	0.5	+6				
		F	11	55	27						
67	Feb. 11	eP	0	22	16.4					495	
		S	0	23	23.0	2.5	+6	-4			
		M _E	0	23	24.7	1.2	-7				
		M _N	0	23	25.5	1.2		-8			
		F	0	24	52						
68	Feb. 11	iP	7	2	21.4	1.5			-5	200	
		S	7	2	48.3	2.6	-51	+51	+16		
		M _E	7	2	53.5	2.1	-159				
		M _N	7	3	6.5	1.8		-140			
		M _Z	7	3	16.9	1.7			+37		
		F	7	14	36						
69	Feb. 12	eP	1	24	47.4					177	
		S	1	25	11.2						
		F	1	26	14						
70	Feb. 12	eP	12	8	13.6					106	
		S	12	8	27.9						
		F	12	8	46						
71	Feb. 12	S	16	31	57.7						
		F	16	32	33						
72	Feb. 13	eP	0	9	59.8					136	
		S	0	10	18.1						
		M _{EN}	0	10	45.7	1.5	+5	+4			
		F	0	11	50						
73	Feb. 13	eP	6	45	0.0					202	
		iP	6	45	5.0	1.3	-3				
		S	6	45	27.2	1.3	+12	+10			
		M _N	6	45	42.5	3.8		+21			
		M _E	6	45	58.8	4.3	+22				
74	Feb. 14	F	6	51	45					2763	
		P	13	5	18.1						
		e	13	6	7.3						
		S	13	9	43.4						
		eL	13	15	43.4						
		M _N	13	16	19.4	18.4		-200			
		M _E	13	19	6.6	14.0	-200				
C	13	26	36.0								
75	Feb. 16	F	13	57							
		S	8	29	37.9						



International
Seismological
Centre

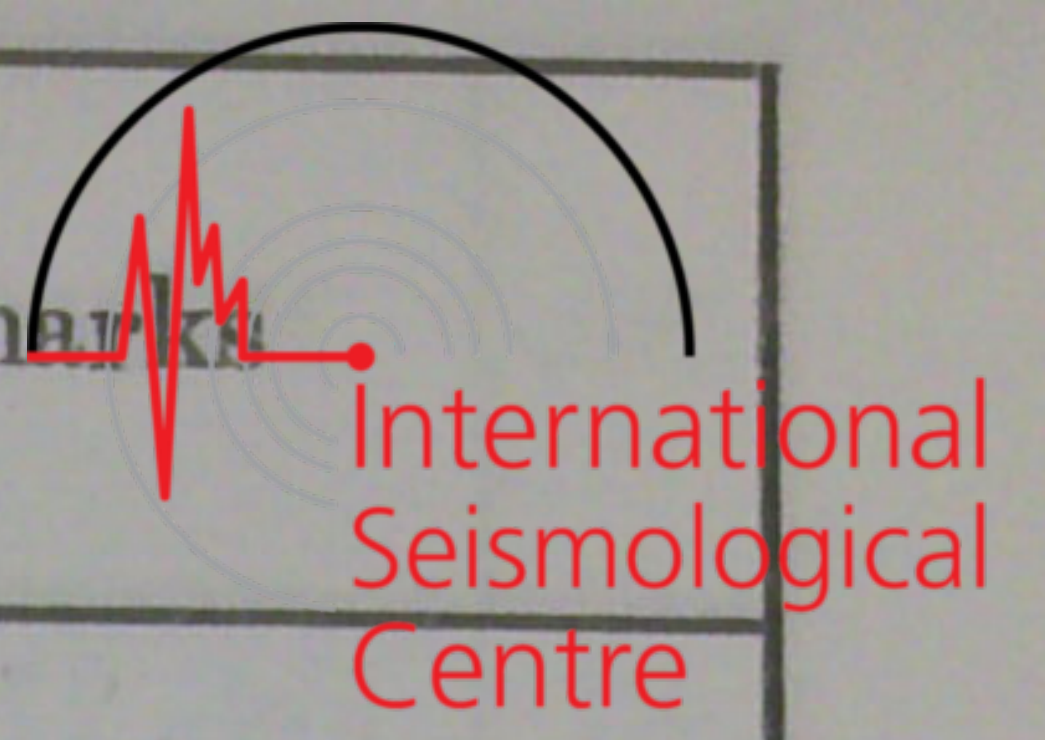


No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
76	Feb. 16	F	8	30	53					124	
		eP	11	50	13.6						
		S	11	50	30.2						
77	Feb. 17	F	11	51	42					85	
		eP	9	32	38.9						
		S	9	32	50.4						
78	Feb. 17	F	9	33	18					48	Felt slightly. Kasima-nada.
		iP	12	10	21.0	1.2	+19	+32	-61		
		S	12	10	27.5	1.2	+750	-500	+32		
		M _E	12	10	28.4	1.2	-850				
		M _Z	12	10	31.3	0.9			-111		
		M _N	12	10	32.4	1.2		-550			
79	Feb. 17	F	12	18	32					127	
		P	15	15	3.6						
		P ₁	15	15	9.8						
		S	15	15	20.7	1.2	-6	+10			
		M _E	15	15	23.7	1.1	+22				
		M _N	15	15	24.2	1.1		+14			
80	Feb. 17	F	15	17	58					50	Felt moderately. Kasima-nada.
		iP	18	16	25.1	1.2	-25	-27	+100		
		M _Z	18	16	26.0	1.2			-150		
		S	18	16	31.8	1.2	+950	-300			
		M _N	18	16	37.4	1.2		+600			
81	Feb. 17	F	18	25	43					50	Felt slightly. Kasima-nada.
		iP	21	6	27.4	1.3	-9	-12	+26		
		S	21	6	34.2	1.3	+285	-81			
		M _{NZ}	21	6	35.2	1.3		+100	-30		
82	Feb. 21	F	21	13	12					100	
		P	15	47	38.0						
		S	15	47	51.4	1.5	-11	-7			
		M _N	15	48	5.5	1.1		+15			
		M _E	15	48	6.7	1.8	+18				
83	Feb. 22	F	15	49	40					71	
		iP	10	50	7.1	0.7			-7		
		S	10	50	16.6	1.3	+160	+27			
		M _E	10	50	16.9	1.3	+160				
		M _N	10	50	18.9	0.8		+134			
		M _Z	10	50	20.4	0.5			+27		
84	Feb. 22	F	10	54	22					55	
		eP	14	13	26.0						
		S	14	13	33.4						
85	Feb. 23	F	14	14	6					116	
		eP	13	20	40.5						
		S	13	20	56.1	2.5		+6			
		M _N	13	20	56.9	2.5		-9			
86	Feb. 24	M _E	13	20	59.6	2.5	-9			1775 1945	
		F	13	22	51						
		eP	15	26	49.7						
		e ₁	15	29	5.0	3.0		-12			
		e ₂	15	29	9.2	1.9	-14				
		S _N	15	29	52.2	3.8		+48			
		S _E	15	30	8.0	6.0	-118				
		M _Z	15	32	29.6	14.4			-400		
		eL	15	34	2.9						
		M _N	15	35	4.7	11.6		+374			
M _E	15	35	32.4	11.6	+312						
C	16	4									
F	17	28									

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
87	Feb. 27	P	11	54	28.3				31		
		S	11	54	32.5						
		F	11	54	40						
88	Feb. 27	S	19	8	48.2						
		F	19	9	4						
89	Feb. 28	eP	12	3	1.7				202		
		S	12	3	29.0						
		M _{EN}	12	3	31.5	2.5	- 10	+ 10			
		F	12	6	32						
90	Feb. 28	eP	12	4	56.4				193		
		S	12	5	22.3						
		F	12	6	27						
91	Feb. 28	eP	12	18	25.2				188		
		S	12	18	50.5						
		M _E	12	18	52.2	1.5	- 5				
		M _N	12	19	1.0	1.5		+ 5			
		F	12	20	17						
92	Feb. 28	eP	12	20	18.4				193		
		S	12	20	44.3						
		F	12	21	38						
93	Feb. 28	P	16	0	30.5				197		
		S	16	0	57.0						
		M _E	16	0	59.5	1.5	- 7				
		M _N	16	1	5.0	1.5		+ 6			
		F	16	4	36						
94	Feb. 28	eP	16	2	25.7				195		
		S	16	2	52.0						
		F	16	4	18						
95	Feb. 28	P	23	12	29.1				22		
		S	23	12	32.1						
		F	23	12	53						
96	Feb. 28	eP	23	29	11.1				5053		
		S	23	35	56.0						
		L	23	41	50.4						
		M _N	23	43	26.6	26.5		- 50			
		M _E	23	43	59.0	20.2	+ 50				
		M _Z	23	44	35.5	27.1			- 80		
		F	0	5							
97	Mar. 2	eP	3	45	10.5						
		F	3	46	3						
98	Mar. 2	eP	11	37	59.5				45		
		S	11	38	5.5	0.7	+ 9	- 7			
		F	11	38	43						
99	Mar. 2	iP	14	14	20.2	0.5	- 1	+ 3	- 18	45	
		S	14	14	26.3	1.0	+ 22	- 21	- 7		
		F	14	16	6						
100	Mar. 2	eP	21	41	49.8				46		
		S	21	41	56.0	1.5	+ 6	+ 4			
		F	21	43	25						
101	Mar. 3	eP	16	40	43.4				52		
		S	16	40	50.4	0.6	- 8	- 8			
		F	16	41	27						
102	Mar. 4	eP	6	8	48.4				153		
		S	6	9	9.1						
		F	6	12	23						
103	Mar. 4	P	20	23	7.8						



No.	Date	Phase	Time			Period	Amplitude			Δ km.	Remarks
			135° E				AE	AN	AZ		
			h.	m	s.		μ	μ	μ		
104	Mar. 5	F	20	23	58				27		
		P	2	35	46.8						
		S	2	35	50.4	0.4	+ 4	-10			
105	Mar. 5	F	2	36	1						
		eS	21	14	25.0						
		eL	21	27	51.9						
		M _E	21	30	39.2	19.0	+40				
		M _N	21	35	27.5	19.0		-40			
		M _Z	21	35	31.1	19.0					-40
106	Mar. 6	F	22	8					45		
		eP	0	19	32.8						
		S	0	19	38.9						
		M _N	0	19	39.7	0.6		+ 6			
		M _E	0	19	41.2	0.6	+ 9				
107	Mar. 7	F	0	20	24				78		
		eP	23	15	6.3						
		S	23	15	16.8	1.1	- 5	+ 7			
		M _N	23	15	20.6	1.2		+25			
		M _E	23	15	26.1	1.2	+17				
108	Mar. 7	M _Z	23	15	27.0	1.0			+ 5		
		F	23	17	34						
		S	23	17	54.4						
109	Mar. 9	F	23	18	27				55		
		P	0	10	47.6						
		S	0	10	54.9	0.5	+38	-18			+ 2
		M _E	0	10	55.3	0.5	+38				
		M _Z	0	10	56.2	0.6					- 5
110	Mar.10	M _N	0	11	3.0	0.7		+28			
		F	0	13	10						
111	Mar.11	S	5	43	16.3				75		
		F	5	43	27						
112	Mar.12	S	19	44	41.0				71		
		F	19	45	36						
113	Mar.13	eP	0	47	51.4				74		
		S	0	48	1.5						
		F	0	49	1						
114	Mar.13	S	3	17	41.5				71		
		F	3	18	22						
115	Mar.14	eP	20	26	43.9				59		
		S	20	26	53.5						
		F	20	27	38						
116	Mar.15	P	15	15	58.0				28		
		S	15	16	8.0						
		F	15	16	56						
		P	22	18	37.4						
		S	22	18	45.3	1.0	+ 6	+10			
117	Mar.16	M _E	22	18	46.8	1.3	+23		126		
		M _N	22	18	49.1	1.1		+11			
		F	22	19	49						
		P	1	27	7.8						
118	Mar.16	S	1	27	11.5	0.5	-10	-25	25		
		M _N	1	27	11.6	0.5		-25			
		M _E	1	27	11.9	0.5	+18				
		F	1	27	51						
119	Mar.16	eP	2	4	33.7				25		
		S	2	4	50.7						
		F	2	5	18						





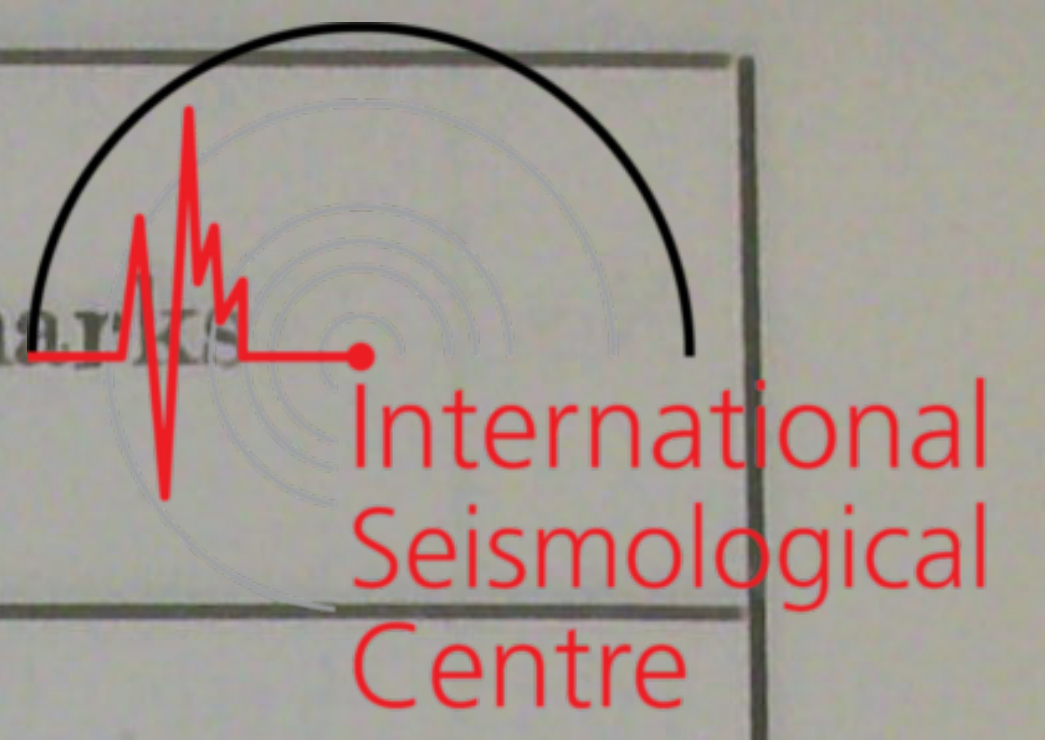
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
120	Mar.16	S	3	34	21.2						
		F	3	34	33						
		eP	23	12	27.2						
121	Mar.16	F	23	23	46						
		eP	23	27	23.5						
122	Mar.17	F	23	28	30						
		P	3	6	4.1						
123	Mar.18	F	3	7	8						
		iP	3	37	8.0	0.5	+19	+14		28	Felt moderately. Off Kujukuri-hama.
124	Mar.18	S	3	37	11.8	1.6	-43	-27			
		M _E	3	37	17.5	1.2	+175				
		M _N	3	37	18.5	1.1		-107			
		M _Z	3	37	24.5	1.6			+255		
		F	3	41	40						
		eP	12	52	41.1						
		F	12	53	2						
125	Mar.18	iP	13	37	25.5	4.8	+15	+25	-17	1844	
		M	13	37	26.7	4.8	+15	+25	-17		
		S	13	40	34.9						
126	Mar.19	F	13	45	17						
		eP	20	27	20.1					623	
		S	20	28	51.0						
		M _E	20	28	55.9	2.4	+8				
127	Mar.20	M _N	20	29	30.0	2.4		-9			
		F	20	32	56						
		eP	2	5	54.3					98	
128	Mar.20	S	2	6	7.5						
		F	2	6	54						
		eP	10	56	30.8					33	
129	Mar.20	S	10	56	35.2						
		F	10	56	48						
		P	21	3	33.9					100	
130	Mar.20	S	21	3	47.3	1.5	+6	+3			
		F	21	4	44						
		eP	22	28	53.6					393	
131	Mar.21	S	22	29	46.6						
		F	22	31	54						
		eP	2	15	21.4						
132	Mar.21	F	2	16	4						
		eP	4	0	32.7					213	
133	Mar.21	S	4	1	1.4						
		F	4	1	33						
		eP	9	55	12.6					608	
		S	9	56	34.5	2.4	-17	+32			
134	Mar.21	M _N	9	56	36.3	2.4		-35			
		M _E	9	56	47.9	2.0	-42				
		F	10	5	47						
		eP	10	54	56.7					65	
135	Mar.21	S	10	55	5.5						
		F	10	55	33						
		eP	12	40	22.0					174	
136	Mar.21	S	12	40	45.4	2.0	-21				
		M _{EN}	12	41	13.9	2.5	+52	+45			
		M _Z	12	42	37.3	6.0			+35		
		F	12	50	58						
136	Mar.21	eP	14	39	43.7					543	
		S	14	40	56.8						
		M _E	14	41	8.6	1.7	-17				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE	AN	AZ		
							μ	μ	μ		
137	Mar.23	M _N	14	41	11.3	1.7		-11		76	
		F	14	45	15						
		P	7	16	23.8						
		S	7	16	34.1						
138	Mar.23	F	7	17	28	1.2				28	
		iP	10	3	38.7						
		S	10	3	42.4		+12	+21			
		M _{EN}	10	3	42.7		+12	+21			
139	Mar.24	F	10	4	31	26.5				5418	
		eP	21	13	27.1						
		S	21	20	32.0						
		L	21	26	24.4						
		M _E	21	27	25.0		+40				
		M _N	21	27	36.7		26.5	-40			
140	Mar.25	F	22	9	35	1.0				65	
		P	18	30	42.5						
		S	18	30	51.2						
141	Mar.27	F	18	31	33	1.0				67	
		P	4	8	45.5						
		S	4	8	54.5		-6	+19			
		M _N	4	8	54.8			+19			
		M _E	4	8	56.0		0.7	-11			
142	Mar.28	F	4	10	41	0.5				52	
		P	22	6	49.4						
		S	22	6	56.4		+10	+7			
		M _E	22	6	56.5		+10				
		M _N	22	6	56.9		0.5	+10			
143	Mar.29	F	22	8	8	0.5				181	
		eP	20	26	8.0						
		S	20	26	32.3						
144	Mar.30	F	20	27	47	0.5				89	
		P	13	31	34.2						
		S	13	31	46.2						
145	Mar.30	F	13	32	53	0.5				97	
		eP	22	16	53.2						
		S	22	17	6.2						
146	Mar.31	F	22	17	26	0.5				73	
		eP	9	28	50.3						
		S	9	29	0.1						
147	Apr. 1	F	9	29	33	0.9				49	
		P	22	26	15.7						
		S	22	26	22.3		-16	+8			
		M _{EN}	22	26	23.0		+17	-18			
148	Apr. 2	F	22	27	24	0.6				80	
		P	8	35	30.9						
		S	8	35	41.6						
		M _E	8	35	44.0		+14				
		M _N	8	35	51.1		0.5	-9			
149	Apr. 3	F	8	37	29	0.9				122	
		P	4	46	24.0						
		S	4	46	40.4		-4	+4			
		M _N	4	46	44.7			+10			
150	Apr. 3	M _E	4	46	54.4	0.6				36	Felt slightly. Neighbourhood of the cape of Inubo.
		F	4	48	18		+9				
		iP	10	10	20.2		+4	-4	-15		
		S	10	10	25.0	0.7	-20	-18	+24		



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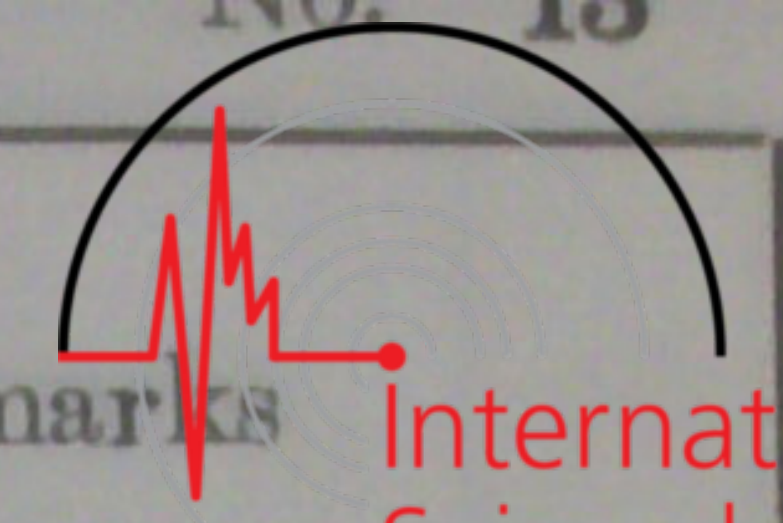
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
151	Apr. 3	M _E	10	10	25.9	1.3	+644			39	
		M _N	10	10	27.5	0.8		-260			
		M _Z	10	10	29.9	1.0			+80		
		F	10	14	3						
		P	10	18	5.6						
152	Apr. 3	S	10	18	10.8	0.6	+13	+4		36	
		F	10	18	36						
		P	18	23	41.2						
		S	18	23	46.0	0.9	-11	+7	+5		
		M _E	18	23	46.7	0.8	+156				
153	Apr. 4	M _N	18	23	46.9	0.8		-76		137	
		M _Z	18	23	48.1	0.4			+18		
		F	18	25	53						
		S	15	45	39.8						
		F	15	46	26						
154	Apr. 5	eP	5	38	8.7					35	Felt Moderately. Off Kujukuri-hama.
		S	5	38	27.1						
		F	5	39	21						
		iP	17	57	7.4	0.4	+3	-20	-24		
		S	17	57	12.1	0.5	+47	+50	-104		
155	Apr. 5	M _N	17	57	13.8	1.2		+350		36	
		M _E	17	57	14.3	1.2	-950				
		M _Z	17	57	17.9	1.2			-160		
		F	18	3	38						
		P	18	23	1.0						
156	Apr. 5	S	18	23	5.9	1.0	+31	-17		39	
		M _E	18	23	6.2	1.0	+31				
		M _N	18	23	6.6	0.7		+26			
		F	18	24	12						
		P	2	23	14.0						
157	Apr. 6	S	2	23	19.2	0.9	+38	+14		37	
		M _E	2	23	19.4	0.9	+38				
		M _N	2	23	19.9	0.7		+36			
		F	2	24	24						
		P	10	13	37.8						
158	Apr. 6	S	10	13	42.8	0.7	-9	+7		128	Felt rather strongly. NE-ern off Sioya-zaki.
		M _E	10	13	43.0	0.7	-9				
		M _N	10	13	43.3	0.7		-11			
		F	10	14	17						
		iP	4	10	4.8	1.7	-6	-23	+30		
159	Apr. 7	S	4	10	22.0	1.0	-50	-69	-190	40	
		M _{EN}	4	10	43.2	1.7	+1100	-1050			
		M _Z	4	10	47.2	2.0			-690		
		C	4	25	56.2						
		F	4	31	42						
160	Apr. 7	P	9	50	21.2					110	
		S	9	50	26.6						
		F	9	51	5						
		eP	1	21	22.4						
		S	1	21	37.2						
161	Apr. 8	M _E	1	21	47.4	0.7	-6			68	
		M _N	1	21	48.4	0.7		-7			
		F	1	22	34						
		P	2	34	20.7						
		S	2	34	29.8						
162	Apr. 8	F	2	34	49					110	
		eP	2	51	54.0						
		F	2	52	30						
163	Apr. 8									68	



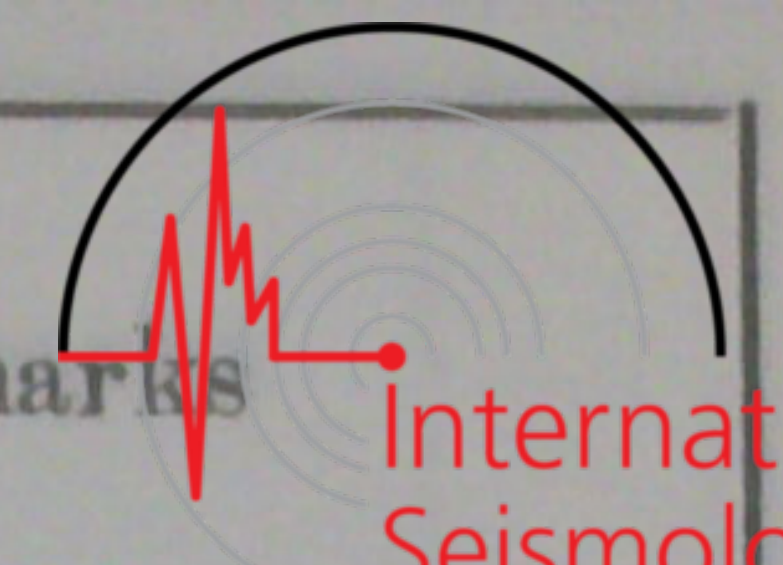


No.	Date	Phase	Time			Period	Amplitude			Δ km.
			135° E				AE	AN	AZ	
			h.	m	s.		μ	μ	μ	
164	Apr. 9	eP	11	31	31.2				70	
		S	11	31	40.6					
		F	11	32	8					
165	Apr. 11	iP	19	54	0.6	0.6	+ 3	- 1	+ 9	79
		S	19	54	11.2	1.1	- 37	- 17	+ 9	
		M _{EN}	19	54	12.4	1.2	+ 55	- 48		
		M _Z	19	54	14.2	1.2			- 18	
		F	19	57	17					
166	Apr. 12	P	23	59	10.6					76
		S	23	59	20.9					
		F	0	0	10					
167	Apr. 14	P	0	1	36.4					36
		S	0	1	41.2	0.7	- 8	+ 11		
		M _E	0	1	41.7	0.7	+ 59			
		M _E	0	1	41.9	0.7		+ 43		
		F	0	2	54					
168	Apr. 14	eP	14	24	2.9					
		F	14	25	40					
169	Apr. 15	S	8	26	29.8					
		F	8	26	57					
170	Apr. 15	iP	19	33	42.9	3.7	+ 8	+ 14	+ 10	155
		S	19	34	3.8	2.5	+ 80	- 180	+ 89	
		M _Z	19	34	8.1	4.6			+ 210	
		M _E	19	34	12.8	3.8	- 750			
		M _N	19	34	17.5	3.8		+ 650		
		F	19	46	28					
171	Apr. 16	eP	7	22	38.8					5277
		L	7	29	51.8					
		M _N	7	43	28.3	15.8		+ 120		
		C	7	51	34.0					
		F	8	2						
172	Apr. 17	iP	9	0	37.0	0.5		+ 3	+ 4	38
		S	9	0	42.1	0.7	- 6	- 19		
		M _N	9	0	42.3	0.7		- 19		
		M _E	9	0	42.6	0.7	+ 13			
		M _Z	9	0	44.0	0.4			- 5	
		F	9	1	38					
173	Apr. 18	eP	10	55	39.3					
		F	10	56	36					
174	Apr. 18	eP	20	1	26.4					
		F	20	2	30					
175	Apr. 19	eP	11	38	12.9					114
		S	11	38	28.3					
		M _E	11	38	50.6	1.2	- 4			
		M _N	11	38	55.3	0.9				
		F	11	41	23					
176	Apr. 19	S	20	10	16.6					
		F	20	10	44					
177	Apr. 20	iP	1	15	3.4	2.2	+ 2	+ 7	+ 19	527
		S	1	16	14.4	3.4	- 136	+ 98	- 35	
		M _E	1	16	16.8	3.4	+ 265			
		M _Z	1	16	18.8	1.6			+ 51	
		M _N	1	16	19.3	2.2		+ 266		
		F	1	25	35					
178	Apr. 22	P	11	29	57.6					39
		S	11	30	2.9	0.6	- 5	- 7		
		M _N	11	30	3.4	0.6		- 7		
		F	11	30	35					

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
179	Apr.25	P	10	10	40.4				85		
		S	10	10	51.9						
		F	10	11	41						
180	Apr.25	eP	14	6	58.8				1591		
		S	14	9	44.2						
		F	14	11	38.0						
181	Apr.25	P	19	32	16.6				82		
		S	19	32	27.6	0.5	-11	- 7			
		M _E	19	32	27.7	0.5	-11				
		M _N	19	32	28.7	0.6		+13			
		F	19	33	37						
182	Apr.25	P	20	8	43.5				74		
		S	20	8	53.5						
		F	20	9	17						
183	Apr.27	iP	7	47	54.4	0.7	+ 3	+ 3	+ 4	126	
		M _Z	7	48	0.4	0.6			+27		
		S	7	48	11.4	0.7	+19	-37			
		M _N	7	48	13.6	0.8		-82			
		M _E	7	48	15.8	0.8	-67				
		F	7	56	34						
184	Apr.27	P	15	12	54.7				232		
		S	15	13	25.9						
		M _N	15	13	32.9	1.0		- 7			
		M _E	15	13	37.8	1.2	+ 4				
		F	15	16	8						
185	Apr.27	eP	18	17	45.4				519		
		S	18	18	55.2	1.5	- 3	- 7			
		M _E	18	19	11.2	2.5	- 8				
		M _N	18	19	27.2	2.5		-14			
		F	18	25	55						
186	Apr.28	P	20	48	39.9				35		
		S	20	48	44.6	0.6	+ 6	- 6			
		M _E	20	48	45.1	0.6	- 7				
		F	20	49	22						
187	Apr.29	eP	8	27	7.0				637		
		S	8	28	32.8						
		M _N	8	28	35.8	1.9		+ 8			
		M _E	8	28	41.1	1.7	- 7				
		F	8	38	47						
188	Apr.30	eP	3	43	50.0				85		
		S	3	44	1.5						
		F	3	45	13						
189	May 1	eP	0	22	43.2				900		
		S	0	24	44.4						
		F	0	28	26						
190	May 2	iP	1	40	29.1	0.4	- 2	+ 5	- 9	38	
		S	1	40	34.2	0.7	-34	-44	- 7		
		M _{NZ}	1	40	36.6	0.5		+52	-15		
		M _E	1	40	37.4	0.5	-43				
		F	1	42	59						
191	May 3	P	3	55	22.3				223		
		S	3	55	52.3						
		M _N	3	56	13.7	0.7		- 4			
		M _E	3	56	15.2	0.7	- 4				
		F	3	57	14						
192	May 3	eP	4	47	1.0				64		



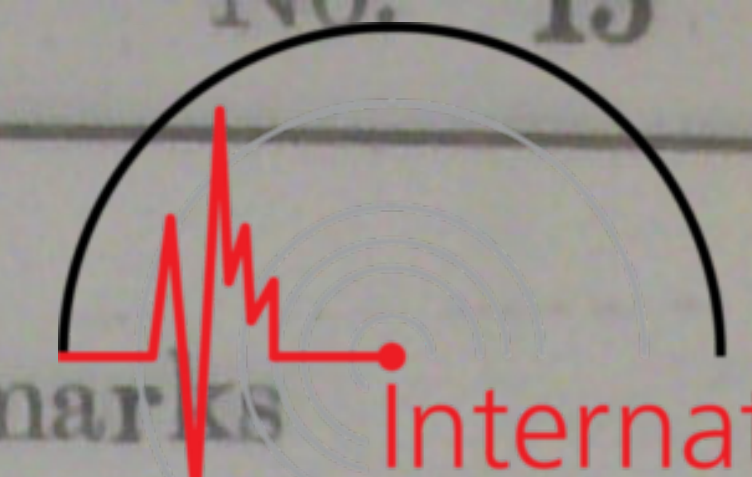
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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
193	May 3	S	4	47	9.6	1.0	+ 5	- 4		2187	
		M _E	4	47	10.8	0.7	-19				
		M _N	4	47	11.3	1.0		+24			
		F	4	49	6						
		eP	10	33	10.0						
		P ₁	10	34	33.5						
		eS	10	36	49.1						
		M _E	10	41	12.5	8.1	- 8				
		M _N	10	41	24.7	8.5		-12			
		C	10	53	6						
194	May 3	F	10	59	30					126	
		eP	10	40	58.0						
		S	10	41	15.0						
195	May 4	F	10	42	18					5606	
		iP	13	45	6.7	1.8	+ 1	+ 2			
		S	13	52	22.0	8.5	+12	+ 9			
196	May 4	C	14	9	4.0					130	
		F	14	28							
		eP	18	23	5.6						
197	May 4	S	18	23	23.1					148	
		F	18	24	18						
		eP	21	56	44.7						
198	May 6	S	21	57	4.7					25	
		F	21	58	0						
		P	22	54	44.8						
199	May 6	S	22	54	48.2					57	
		F	22	55	0						
		P	23	49	54.1						
200	May 7	S	23	50	1.7					52	
		F	23	51	0						
		P	15	36	6.5						
		S	15	36	13.5	0.6	+65	-10			
201	May 7	M _E	15	36	13.7	0.6	+65			53	
		M _N	15	36	14.7	0.6		+38			
		F	15	38	17						
		P	17	51	52.6						
202	May 8	S	17	51	59.7	0.6	+ 5			64	
		F	17	52	42						
		eP	12	32	47.2						
203	May 8	S	12	32	55.8					60	
		F	12	33	17						
		P	18	18	23.6						
204	May 9	S	18	18	31.7					106	
		F	18	19	12						
		eP	12	41	48.7						
205	May 9	S	12	42	2.9					82	
		F	12	42	55						
		P	19	8	5.8						
		S	19	8	16.8	0.5	- 5	+ 7			
206	May 10	M _{EN}	19	8	34.7	1.0	+21	+14		32	
		F	19	10	22						
		P	9	36	14.9						
		S	9	36	19.2	0.7	+48	+14			
207	May 10	F	9	37	53					31	
		P	9	39	20.3						
		S	9	39	24.5						
208	May 10	F	9	39	49					28	
		P	10	9	41.6						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
209	May 11	S	10	9	45.3	0.5	+ 6	+ 4			
		F	10	10	14						
210	May 11	eP	9	25	13.1						
		F	9	25	51						
211	May 12	eP	19	18	41.8						
		F	19	20	2						
212	May 12	eP	4	20	33.1						
		F	4	21	11						
213	May 13	eP	6	5	20.7						
		F	6	6	0						
		P	0	29	44.5						
		S	0	29	54.6						
214	May 13	M _N	0	29	55.8	0.7	+ 9	- 8	75		
		M _E	0	29	56.8	1.2		+22			
		F	0	32	2	1.2	+22				
		P	9	16	52.4						
215	May 14	S	9	17	0.5				60		
		F	9	17	35						
		P	1	13	45.8						
		S	1	13	54.9						
216	May 14	M _E	1	13	55.1	0.7	+15	+ 4	68		
		M _N	1	14	15	0.7	+15				
		F	1	15	41	1.0		- 7			
		iP	8	11	31.1	2.2	- 4	+ 4			
217	May 16	F	8	13	1				58		
		eP	19	58	26.3						
		S	19	58	34.1						
		M _E	19	58	34.9						
218	May 17	M _N	19	58	37.5	1.0		+ 3	29		
		F	19	58	58						
		P	20	51	20.4						
		S	20	51	24.3						
219	May 17	F	20	51	40				95		
		iP	20	53	50.8						
		M _Z	20	53	51.6						
		S	20	54	3.6						
220	May 19	M _{EN}	20	54	4.4	1.2	+68	-41	359		
		F	20	57	51						
		eP	7	31	7.2						
		F	7	31	44						
221	May 19	S	20	6	22.6						
		F	20	6	45						
222	May 20	iP	16	2	59.8	1.0	- 3	- 3	+ 4	359	
		S	16	3	48.2	0.6	- 4	- 6			
		M _E	16	3	54.5	0.7	+13				
		M _N	16	3	57.4	0.7		+14			
223	May 20	F	16	9	54						
		S	21	12	33.4						
224	May 21	F	21	13	8				101		
		eP	15	40	3.2						
225	May 22	S	15	40	16.8				106		
		F	15	41	49						
		eP	2	16	30.3						
226	May 23	S	2	16	44.6						
		F	2	17	32						
		S	2	40	4.8						
227	May 25	F	2	40	44				42		
		P	3	38	8.5						



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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
228	May 26	S	3	38	14.1				658		
		F	3	38	36						
		eP	1	21	1.5						
		S	1	22	30.2	2.4	+ 9				
		M _N	1	22	35.1	3.2		+14			
		M _E	1	22	36.3	1.8	-17				
229	May 27	F	1	25	22				55		
		P	3	20	38.2						
230	May 27	S	3	20	45.6				139		
		F	3	21	8						
231	May 27	eP	10	30	8.8				104		
		S	10	30	27.4						
232	May 28	F	10	31	28				68	Felt moderately. Neighbourhood of Mito.	
		S	11	55	38.5						
233	May 30	F	11	56	21				52		
		P	15	37	41.4						
234	May 31	S	15	37	55.4				68	Felt moderately. Neighbourhood of Mito.	
		F	15	39	58						
235	May 31	eP	15	12	2.3				52		
		F	15	12	54						
236	June 1	iP	8	4	9.9	0.7	- 8	+ 31	68	Felt moderately. Neighbourhood of Mito.	
		S	8	4	19.0	1.0	+84	-132			
237	June 1	M _{EN}	8	4	22.0	1.9	+1100	-500	52		
		M _Z	8	4	26.2	1.2		+ 228			
238	June 3	F	8	22	0				52		
		P	12	54	49.3						
239	June 3	S	12	54	56.3				154		
		F	12	55	47						
240	June 3	P	10	36	2.4				154		
		S	10	36	23.2	1.1	-19	+13			
241	June 3	M _E	10	36	31.0	2.0	+95		72		
		M _Z	10	36	36.6	1.5		+ 24			
242	June 3	M _N	10	36	36.9	2.0		+ 79	72		
		F	10	43	32						
243	June 3	P	14	43	40.5				39	Felt moderately. Neighbourhood of Sa- wara.	
		F	14	44	49						
244	June 3	eP	10	59	29.6				39	Felt moderately. Neighbourhood of Sa- wara.	
		M _E	10	59	36.1	1.2	+ 9				
245	June 3	S	10	59	39.3	1.2	- 6	+10	72		
		M _N	10	59	39.6	1.2		+10			
246	June 3	F	11	2	25				39	Felt moderately. Neighbourhood of Sa- wara.	
		iP	16	17	19.4	1.2	+49	-21			
247	June 3	M _Z	16	17	19.7	1.2		+80	39	Felt moderately. Neighbourhood of Sa- wara.	
		S	16	17	24.7	1.2	-400	+226			
248	June 3	M _E	16	17	25.0	1.2	-400		39	Felt moderately. Neighbourhood of Sa- wara.	
		M _N	16	17	37.7	1.7		-500			
249	June 3	C	16	24	42				41		
		F	16	29	29						
250	June 3	P	21	19	29.8				41		
		S	21	19	35.3	0.7	+38	+ 7			
251	June 3	M _E	21	19	35.5	0.7	+38		41		
		M _N	21	19	35.8	0.7		+14			
252	June 4	F	21	20	54				158		
		eP	11	35	29.4						
253	June 4	S	11	35	50.6				158		
		F	11	37	23						





No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
242	June 5	eP	21	38	58.7						
		M _N	21	39	4.2	0.6		+ 4			
		M _E	21	39	6.9	0.6	+ 4				
		F	21	40	5						
243	June 6	eP	1	39	19.4					42	
		S	1	39	25.0						
		F	1	39	31						
244	June 6	iP	3	29	33.7	0.3			+ 4	43	
		M _Z	3	29	38.6	0.3			-13		
		S	3	29	39.5	0.6	-25	-35			
		M _{EN}	3	29	39.7	0.6	-25	-35			
		F	3	30	42						
245	June 6	eP	3	45	51.9					134	
		S	3	46	9.9	0.7	+ 6	- 6			
		S ₁	3	46	19.8						
		M _N	3	46	20.1	1.2		-14			
		M _E	3	46	21.0	1.2	-16				
		F	3	50	18						
246	June 6	P	4	28	26.3					42	
		S	4	28	31.9	0.6	- 1	- 8			
		F	4	28	51						
247	June 6	eP	4	30	9.1					42	
		S	4	30	14.7						
		F	4	30	34						
248	June 6	eP	4	40	47.2					44	
		S	4	40	53.1						
		F	4	41	6						
249	June 6	P	4	41	3.2					42	
		S	4	41	8.8	1.2	- 9	-27			
		M _N	4	41	9.1	1.2		-27			
		M _E	4	41	9.7	1.2	+16				
		F	4	42	42						
250	June 6	P	6	35	18.3					42	
		S	6	35	23.9	0.6	- 4	-10			
		M _N	6	35	24.1	0.6		-10			
		M _E	6	35	24.4	0.7	+ 6				
		F	6	36	12						
251	June 6	P	6	38	7.8					42	
		S	6	38	13.4	0.7	- 4	-28			
		M _N	6	38	13.6	0.7		-28			
		M _E	6	38	13.9	0.7	+10				
		F	6	39	21						
252	June 6	P	9	2	46.9					42	
		S	9	2	52.5						
		F	9	3	24						
253	June 6	S	9	46	57.5						
		F	9	47	12						
254	June 6	P	11	32	51.1					41	
		S	11	32	56.6	0.7	- 9	-32	+ 9		
		M	11	32	56.8	0.7	- 9	-32	+ 9		
		F	11	34	2						
255	June 6	P	11	36	54.0					42	
		S	11	36	59.6	0.7	- 3	- 3			
		F	11	37	24						
256	June 6	P	12	15	52.6					42	
		S	12	15	58.2	0.6	- 1	- 7			
		F	12	16	44						
257	June 6	eP	15	27	24.5						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
258	June 6	F	15	28	25						
		eP	20	45	53.2						
259	June 7	F	20	47	14				58		
		P	2	43	23.2						
		S	2	43	30.9	0.7	+15	+10			
260	June 7	F	2	44	42				205		
		P	3	47	58.7						
		S	3	48	26.4						
261	June 7	F	3	49	56				102		
		P	7	39	1.0						
		S	7	39	14.8						
262	June 7	F	7	40	23						
		eP	18	2	25.5						
263	June 8	F	18	3	36				102		
		P	15	37	4.5						
		S	15	37	18.3						
264	June 9	F	15	37	58				4321		
		P	22	6	29.5						
		S	22	12	34.9						
		M _E	22	12	53.0	3.6	-11				
		C	22	21	20						
265	June 10	F	22	31	43				44		
		P	5	6	15.2						
		S	5	6	21.1						
266	June 10	F	5	6	37				23		
		P	20	57	27.5						
		S	20	57	30.6	0.6	+10	+10			
267	June 12	F	20	57	52				78		
		iP	22	7	5.4	0.4			+ 9		Felt slightly.
		M _Z	22	7	5.7	0.4			-13		Neighbourhood of Mito.
		S	22	7	15.9	0.7	+ 9	+10			
		M _E	22	7	16.4	0.7	-38				
		M _N	22	7	19.6	0.6		-18			
268	June 13	F	22	9	41				773		
		P	10	53	14.0						
		S	10	54	58.1	1.2	+ 6	+12			
		M _N	10	55	3.3	1.2		-39			
		M _E	10	55	10.4	2.0	-63				
		M _Z	10	55	21.4	1.4			+ 9		
		C	11	8	44						
269	June 14	F	11	35					7180		
		eP	7	21	4.4						
		M _E	7	21	33.7	6.3	+11				
		S	7	29	42.9						
270	June 15	F	7	35	6				59		
		P	2	32	38.4						
		M _N	2	32	39.2	1.0		+ 5			
		S	2	32	46.0						
		M _E	2	32	53.1	0.7	- 6				
271	June 15	F	2	34	6				99		
		P	4	17	42.9						
		M _N	4	17	46.5	0.7		+ 4			
		M _E	4	17	51.4	0.9	- 5				
		S	4	17	56.2						
272	June 15	F	4	19	20				86		
		iP	14	31	54.3	0.6	+ 3	- 1	+ 5		Felt slightly.
		S	14	32	5.9	0.7	- 8	-11			Neighbourhood of Ma-
		M _Z	14	32	7.0	1.3			+14		mata in Totigi.

No.	Date	Phase	Time			Period	Amplitude			Δ km.	Remarks
			135° E				AE	AN	AZ		
			h.	m	s.		μ	μ	μ		
273	June 17	M _{N'}	14	32	27.7	1.1		-42		93	
		M _E	14	32	29.8	1.1	+56				
		F	14	36	44						
		eP	12	21	53.1						
		S	12	22	5.6						
274	June 18	F	12	22	46					100	
		P	15	33	21.1						
		S	15	33	34.6						
275	June 18	F	15	34	7						
		eP	16	6	58.8						
276	June 19	F	16	8	40						
		S	19	21	14.2						
277	June 20	F	19	22	13					544	
		iP	0	48	40.7	1.7	-1	-2	-2		
278	June 20	S	0	49	53.9	2.9	-29	+19	-3		
		M _E	0	49	56.1	2.9	-78				
		M _N	0	49	57.5	2.2		+65			
		M _Z	0	50	1.7	2.1			+11		
		F	0	57	36						
		S	1	48	35.7						
		F	1	49	12						
279	June 20	iP	11	57	19.6	0.4	+4	-4		40	
		M _{EN}	11	57	19.9	0.4	-5	+7			
280	June 21	S	11	57	25.0					63	
		F	11	58	28						
		P	8	59	19.6						
		S	8	59	28.1						
		M _N	8	59	38.1	0.7		+8			
281	June 22	M _E	8	59	46.5	1.8	-8			118	
		F	9	0	44						
		eP	23	28	59.0						
		S	23	29	14.9						
282	June 24	F	23	29	48					137	
		eP	11	26	57.7						
		S	11	27	16.1						
		M _E	11	27	27.5	1.5	+6				
		M _N	11	27	32.5	1.5		+4			
283	June 24	F	11	28	41						
		eP	15	19	14.3						
284	June 27	F	15	22	34					64	Felt moderately. Kasimanada.
		iP	5	39	24.1	1.0	-1	+2	-4		
		S	5	39	32.7	0.6	+111	-44			
		M _E	5	39	35.7	1.7	-126				
		M _Z	5	39	40.5	1.0			+31		
285	June 27	M _N	5	39	42.1	1.0		-97		36	
		F	5	53	36						
		P	13	11	16.9						
286	June 29	S	13	11	21.8	0.7	-1	-2		88	
		F	13	11	42						
		eP	12	33	17.9						
287	June 29	S	12	33	29.7					35	
		F	12	34	13						
		P	17	21	21.6	0.7		+3			
288	June 29	S	17	21	26.3	0.6		-93	+9	4085	
		F	17	23	10						
		iP	17	32	40.8	2.4			-8		
		S	17	38	32.8	2.4		-10			
		F	17	46	17						



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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
289	June 29	eP F	21	47	59.2 23						
290	July 1	eP S F	22	8	15.7 23.6 3				59		
291	July 2	eP S M _E M _N F	8	31	4.2 15.2 15.7 22.0 28	0.7 0.7 0.7	- 9 + 15	+ 4 - 12	82		
292	July 2	iP M _Z S M _N M _E F	11	0	0.2 0.3 5.3 5.5 5.8 47	0.3 0.3 0.6 0.6 0.6	- 1 - 14 + 25	- 2 - 34 - 34	38		
293	July 3	P S F	0	54	9.5 15.5 52				45		
294	July 3	P S F	5	9	10.9 14.5 26				27		
295	July 7	P S F	3	30	38.1 45.8 21				58		
296	July 7	eP S M _N M _E F	3	40	39.0 55.0 3.1 9.6 29	1.4 1.4 1.4	+ 5 - 8 + 9	+ 7	564		
297	July 7	L F	8	20	20.8 19						
298	July 7	P S F	20	22	30.2 43.2 50	1.2	- 3	- 3	97		
299	July 8	iP S M _E M _N F	8	31	34.7 45.7 48.6 50.7 27	0.7 0.6 0.7	+ 1 - 11	- 1 + 10	82		
300	July 8	eP S M _E M _N F	23	9	10.0 14.7 4.0 6.7 5	2.0 1.6	+ 11	- 14	480		
301	July 10	P S F	1	54	38.0 41.2 2				24		
302	July 11	eP S S ₁ F	4	38	24.4 39.0 53.7 10				109		
303	July 12	P S M _E M _N	10	10	24.4 33.7 39.6 48.9	0.9 1.2	- 8	- 7	67		

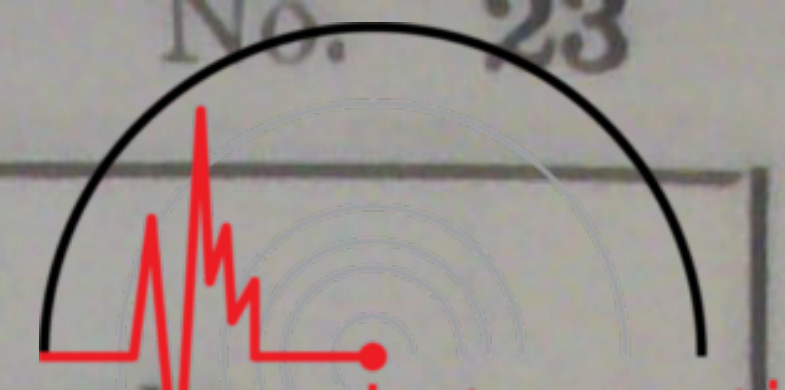


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No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
304	July 12	F	10	11	43					306	
		P	18	52	42.4						
		S	18	53	23.7	1.4	+15	+14			
		M _E	18	53	35.4	1.6	+30				
		M _Z	18	53	40.1	1.6			+14		
		M _N	18	54	4.7	1.9		+32			
305	July 13	F	19	1	53					304	
		P	6	16	7.2						
306	July 13	S	6	16	48.2						
		F	6	16	34						
307	July 15	S	19	17	47.0						
		F	19	18	20						
308	July 16	S	12	16	34.4						
		F	12	17	41						
309	July 16	eP	5	7	9.9					102	
		S	5	7	23.6						
310	July 17	F	5	8	41					94	
		eP	11	53	25.1						
311	July 18	S	11	53	37.7					30	
		F	11	54	23						
312	July 18	P	13	38	33.0					44	
		S	13	38	37.0						
313	July 19	M _N	13	38	37.3	0.4		+7			
		M _E	13	38	37.6	0.4	-4				
314	July 19	F	13	38	49					5958	
		P	15	20	55.6						
315	July 19	S	15	21	1.5					3906	
		F	15	21	17						
316	July 19	eL	11	51	37.4					5796	
		F	12	11	11						
317	July 19	iP	4	49	44.1	5.0	+2	-2	-7	38	Felt slightly. Neighbourhood of Sa- wara.
		S	4	57	18.0						
318	July 19	L	5	4	39.3					26	
		M _Z	5	6	10.7	27.0			-550		
319	July 19	M _N	5	9	4.3	17.8			-830	3906	
		M _E	5	9	38.2	17.0	-970				
320	July 19	C	5	48	8					5796	
		F	7	0	14						
321	July 19	eP	10	34	39.8					26	
		S ₁	10	40	21.5						
322	July 19	S ₂	10	43	3.5					38	Felt slightly. Neighbourhood of Sa- wara.
		L	10	46	26.3						
323	July 19	F	11	20	17					38	Felt slightly. Neighbourhood of Sa- wara.
		eP	16	46	40.2						
324	July 19	S	16	54	5.5					26	
		L	17	1	28.7						
325	July 19	F	17	53	48					38	Felt slightly. Neighbourhood of Sa- wara.
		P	22	4	42.5						
326	July 19	S	22	4	46.0	0.5	+6	-7		38	Felt slightly. Neighbourhood of Sa- wara.
		F	22	5	3						
327	July 20	iP	22	39	14.5	1.4	+26	-19	+57	38	Felt slightly. Neighbourhood of Sa- wara.
		S	22	39	19.6	1.2	-216	+41	+31		
328	July 20	M _E	22	39	19.9	1.2	-216			38	Felt slightly. Neighbourhood of Sa- wara.
		M _N	22	39	20.9	1.2		+383			
329	July 20	M _Z	22	39	21.1	0.6			-109	38	Felt slightly. Neighbourhood of Sa- wara.
		F	22	44	50						
330	July 21	eP	15	27	40.6					6164	
		S	16	35	25.8	17.5	-70	-114			

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
319	July 22	L	15	40	6.2	30.0	+90	+86		36	
		M _{EN}	15	44	29.9	15.7	+350	+500			
		C	16	16	17.3						
		F	17	4							
		P	9	16	24.9						
320	July 22	S	9	16	29.7	0.7	+5	+3			
		F	9	16	56						
		eP	18	51	57.2						
321	July 24	F	18	52	54					108	
		P	2	23	17.1						
322	July 24	S	2	23	31.6					59	
		F	2	23	50						
		P	4	42	18.2						
323	July 24	S	4	42	26.1	1.4	-6	-10		144	
		F	4	43	24						
		P	19	12	51.5						
		P ₁	19	13	1.2	0.7		-4			
		S	19	13	10.9	1.2		+12	-5		
324	July 26	M _N	19	13	11.1	1.2		-22		62	
		F	19	15	24						
		P	10	37	39.4						
325	July 26	S	10	37	47.8	0.7	-13	-11		79	
		F	10	38	39						
		P	12	2	20.4						
326	July 26	S	12	2	31.1	0.4	-6	-6		107	
		F	12	2	56						
		eP	20	6	43.5						
		S	20	6	57.9	0.7	-15	-14			
		M _N	20	7	2.5	0.9		-26			
327	July 27	M _Z	20	7	6.0					82	
		M _E	20	7	7.6						
		F	20	11	39						
		P	0	27	34.1						
		S	0	27	45.1	0.8	+5	-3			
328	July 27	M _E	0	27	47.4	1.4	+17			167	
		M _N	0	27	51.8	1.4		+14			
		F	0	29	57						
		P	17	8	35.2						
		S	17	8	57.7						
329	July 27	F	17	10	33						
		eP	17	10	54.7						
		F	17	11	33						
330	July 28	P	21	13	28.6					189	
		P ₁	21	13	35.5						
		S	21	13	54.0	0.7	-14	-7			
		M _N	21	13	59.1	0.7		-20			
		M _Z	21	14	0.1	0.6			-9		
331	July 29	M _E	21	14	16.6	1.4	-20			176	
		F	21	18	54						
		eP	18	8	26.8						
332	July 30	S	18	8	50.4					182	
		F	18	10	0						
		eP	16	56	56.5						
333	July 31	S	16	57	21.0					80	
		F	16	58	15						
		P	1	19	1.3						
		S	1	19	12.1						
		F	1	19	59						





No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
334	July 31	P	11	54	8.7				124		
		S	11	54	25.4						
		F	11	55	47						
335	July 31	P	13	21	51.5				72		
		S	13	22	1.2						
		F	13	22	30						
336	Aug. 2	P	13	41	9.8	0.4		+13	26	Felt slightly. Cape of Inubo	
		S	13	41	13.3	0.4	-19	-10			
		M _E	13	41	13.6	0.4	+23				
		M _N	13	41	14.0	0.5		+25			
		F	13	41	52						
337	Aug. 2	eP	17	7	10.6				82		
		S	17	7	21.6	0.7	+9	+10			
		M _N	17	7	22.8	1.0		-22			
		M _E	17	7	23.9	0.7	+15				
		F	17	9	17						
338	Aug. 2	P	17	32	44.1	0.6	+1	-1	91		
		S	17	32	56.3	0.7	+9	-7			
		M _E	17	32	57.5	0.7	+10				
		M _N	17	33	0.3	0.7		+8			
		F	17	34	15						
339	Aug. 3	P	10	5	50.1				103		
		S	10	6	4.0						
		F	10	6	22						
340	Aug. 3	eP	18	37	14.1				529		
		S	18	38	26.4	1.9	-8	+7			
		M _N	18	38	43.0	1.9		-15			
		M _E	18	39	0.2	1.9	+17				
		F	18	42	49						
341	Aug. 3	iP	21	24	34.3	0.7	+25	-14	+82	94	Felt slightly. Neighbourhood of Tateno in Ibaraki.
		M _Z	21	24	35.5	1.1			-120		
		S	21	24	46.9	1.2	+78	+75	-91		
		M _E	21	24	48.8	1.6	-545				
		M _N	21	24	51.6	1.6		+335			
		F	21	35	39						
342	Aug. 5	eP	12	58	58.4				569		
		S	13	0	15.1						
		F	13	1	55						
343	Aug. 5	eP	17	43	34.6				79		
		S	17	43	45.2						
		M _{EN}	17	43	47.9	1.2	+9	-8			
		F	17	45	5						
344	Aug. 6	eP	7	54	14.5				106		
		S	7	54	28.8						
		F	7	54	52						
345	Aug. 7	P	3	33	31.6				33		
		S	3	33	36.1						
		F	3	33	47						
346	Aug. 7	eP	10	10	39.9				111		
		S	10	10	54.9						
		F	10	11	19						
347	Aug. 7	eP	11	27	30.6				124		
		S	11	27	47.3						
		F	11	28	52						
348	Aug. 10	S	6	25	0.5						
		F	6	25	26						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
349	Aug.11	eP	17	23	0.1				2999		
		eS	17	27	43.0						
		L	17	31	37.6						
		F	17	45	0						
350	Aug.12	eP	18	31	37.3				88		
		S	18	31	49.1	1.4	+ 9	- 4			
		M _N	18	31	51.5	0.6		+ 8			
		F	18	32	34						
351	Aug.13	eP	8	55	42.2				3901		
		S	9	0	30.9						
		L	9	3	48.6						
		F	9	27							
352	Aug.13	eP	9	19	50.0				3859		
		S	9	23	32.0						
		L	9	27	50.1						
		F	9	56							
353	Aug.17	P	0	35	52.3				24		
		S	0	35	55.5	0.6	-13	-51			
		M _N	0	35	55.7	0.6		-51			
		M _E	0	35	56.0	0.6	+34				
354	Aug.17	F	0	36	29				27		
		P	9	6	18.4						
		S	9	6	22.0						
355	Aug.17	F	9	6	34				25		
		P	9	7	33.2						
		S	9	7	36.6						
356	Aug.18	F	9	7	46				366		
		eP	11	39	29.0						
		S	11	40	18.2	2.2	+82	+33 -40			
		M _{NZ}	11	40	27.9	2.5		+240 -320			
357	Aug.18	M _E	11	40	29.7	2.2	-168		240		
		e	11	44	51.5						
		F	11	55	45						
		eP	19	21	51.8						
358	Aug.19	S	19	22	24.1				113		
		F	19	24	6						
		P	12	54	11.6						
359	Aug.19	S	12	54	26.8				41		
		F	12	55	16						
		P	14	44	59.0						
360	Aug.19	S	14	45	4.5				42		
		F	14	45	17						
		P	20	5	46.4						
361	Aug.21	S	20	5	52.0	0.5	- 4	- 5	27		
		F	20	6	23						
		P	11	48	13.2						
362	Aug.21	S	11	48	16.8				26		
		F	11	48	26						
		S	11	55	45.1						
363	Aug.21	F	11	56	42				62		
		P	21	41	39.3						
		S	21	41	42.8	0.4	+ 4	- 6			
364	Aug.22	F	21	41	55				57		
		P	9	10	20.5						
		S	9	10	28.9						
365	Aug.23	F	9	10	53				57		
		P	21	58	55.8						
		S	21	59	3.4						





No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
366	Aug.24	F	21	59	40					178	
		iP	7	34	42.4	1.2			+ 4		
		S	7	35	6.3	1.2	-46	+78	+18		
		M _N	7	35	16.5	2.0		+105			
		M _E	7	35	30.2	2.0	-95				
		M _Z	7	35	46.2	1.6			+31		
		C	7	45	35.6						
367	Aug.24	F	7	49	54					111	
		P	17	52	3.9						
		S	17	52	18.9						
368	Aug.24	F	17	53	17					128	
		eP	22	1	35.0						
		S	22	1	52.3						
369	Aug.24	F	22	2	33						
		eP	23	54	45.2						
370	Aug.26	F	23	56	37					594	
		eP	18	20	17.3						
371	Aug.29	S	18	21	37.3	1.2	-12	-11		39	
		M _E	18	21	48.1	2.2	+22				
		M _N	18	22	0.0	2.2		-23			
		C	18	27	50.8						
		F	18	32	54						
372	Aug.30	P	4	26	59.8					61	
		S	4	27	5.0	0.7	-5	-6			
		F	4	27	58						
373	Aug.30	eP	9	36	5.2					90	
		S	9	36	13.4	1.2	-48	-48	+5		
		M _E	9	36	13.8	1.2	-48				
		M _N	9	36	14.2	1.2		-49			
		M _Z	9	36	14.6	1.2			+11		
374	Aug.30	F	9	39	1						
		S	10	5	36.5						
375	Aug.31	F	10	6	3					26	
		P	16	42	16.8						
		S	16	42	28.9						
376	Sept. 1	F	16	43	2					86	Felt slightly. S-ern foot of Mt. Tukuba.
		eP	5	24	40.7						
377	Sept. 1	F	5	25	3					26	
		S	15	59	7.7						
378	Sept. 4	F	15	59	49					25	
		iP	20	17	44.5	0.5	+10	-8	+49		
		M _Z	20	17	44.6	0.5			+49		
		P ₁	20	17	53.3	0.9	-42	+26			
		S	20	17	56.1	0.8	+80	-50	+27		
		M _E	20	18	4.1	1.2	-127				
		M _N	20	18	12.5	1.2		+127			
379	Sept. 5	F	20	21	40					25	
		iP	7	9	32.6	0.4	+3	-4	+9		
		S	7	9	36.1	0.7	-13	-72	-4		
		M _N	7	9	36.3	0.7		-72			
		M _E	7	9	36.3	0.7	+22				
379	Sept. 5	M _Z	7	9	37.3	0.5			+15	25	
		F	7	10	38						
		P	0	7	39.9						
379	Sept. 5	S	0	7	43.3	0.7	-3	-4			
		F	0	7	9						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE	AN	AZ		
							μ	μ	μ		
380	Sept. 5	P	20	24	19.8				79		
		S	20	24	30.5						
		F	20	24	53						
381	Sept. 6	P	7	52	41.8				35		
		S	7	52	46.5						
		F	7	52	57						
382	Sept. 6	eP	21	59	33.7				99		
		S	21	59	47.0						
		F	22	0	1						
383	Sept.11	P	20	35	54.9				36		
		S	20	35	59.8						
		F	20	36	13						
384	Sept.12	P	2	8	50.8				33		
		S	2	8	55.3						
		F	2	9	9						
385	Sept.12	eP	8	34	10.8				341		
		S	8	34	56.7						
		M _N	8	34	56.9	0.9		- 6			
		M _E	8	34	58.1	0.9	- 7				
		F	8	36	59						
386	Sept.12	eP	23	29	39.8				1662		
		L	23	33	54.0						
		F	23	48	29						
387	Sept.13	eP	23	23	22.5						
		F	23	23	54						
388	Sept.14	P	2	39	18.8				35		
		S	2	39	23.5	1.0	+ 11	+ 6			
		F	2	39	50						
389	Sept.14	P	17	3	59.3				77		
		S	17	4	9.7						
		F	17	4	43						
390	Sept.15	S	9	56	13.1						
		F	9	56	26						
391	Sept.15	P	18	17	22.6				88		
		S	18	17	34.5	0.7	+ 8	- 3			
		F	18	18	33						
392	Sept.16	P	3	58	12.9				121		
		S	3	58	29.1						
		M _N	3	58	29.8	0.7		+ 8			
		M _E	3	58	30.7	0.7	- 6				
		F	3	59	15						
393	Sept.17	P	9	30	35.6				77		
		S	9	30	46.0	0.9	+ 19	+ 28 + 9			
		M _N	9	30	47.0	1.0		- 70			
		M _Z	9	30	50.2	0.8		+ 18			
		M _E	9	30	52.7	0.7	+ 49				
394	Sept.17	eP	10	26	2.6				88		
		S	10	26	14.5						
		F	10	26	57						
395	Sept.17	P	17	50	25.5				50		
		S	17	50	32.3						
		F	17	50	48						
396	Sept.19	eP	12	18	16.2				69		
		S	12	18	25.5						
		F	12	18	42						
397	Sept.20	eP	0	18	41.1				371		
		S	0	19	31.1						

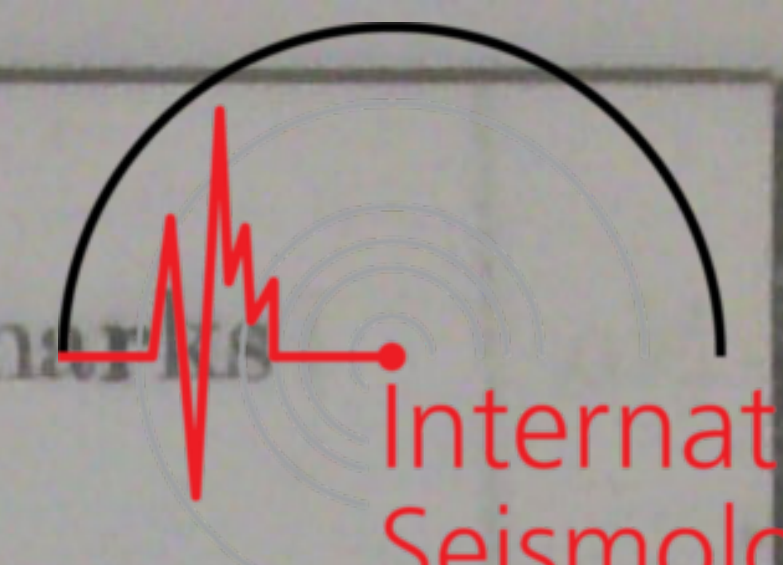
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
398	Sept.20	F	0	21	33					111	
		eP	18	27	36.7						
		S	18	27	51.6						
399	Sept.21	F	18	28	49					58	
		eP	3	26	25.0						
		S	3	26	32.8						
400	Sept.21	F	3	26	54					215	
		P	12	19	38.5						
		S	12	20	7.4	1.1	- 2	+ 2			
		M _E	12	20	30.7	3.6	-12				
		M _N	12	20	43.6	1.3		-12			
401	Sept.22	F	12	22	23					45	
		P	4	10	26.2						
		S	4	10	32.2						
402	Sept.23	F	4	10	47					37	
		P	8	58	18.1	0.5			- 7		
		M _Z	8	58	18.2	0.5			- 7		
		S	8	58	23.1	0.7	+ 38	-14			
		M _E	8	58	23.3	0.7	+ 38				
		M _N	8	58	23.6	0.7		-25			
		F	8	59	20						
403	Sept.24	eP	6	42	16.3					378	
		S _N	6	43	7.2	2.0		+ 5		395	
		S _E	6	43	9.6	1.4		+ 5			
		M _E	6	43	36.0	1.5	-18				
		M _N	6	44	7.7	2.7		-16			
		F	6	48	22						
404	Sept.24	iP	13	54	12.6	0.7			- 5	159	
		S	13	54	34.0	0.7	- 8	+13			
		M _Z	13	54	40.5	1.2			+ 9		
		M _N	13	54	47.9	1.4		-30			
		M _E	13	54	49.5	1.2	-31				
		F	13	59	33						
405	Sept.25	P	14	26	8.7					39	
		S	14	26	13.9						
		F	14	26	27						
406	Sept.29	P	0	5	21.8					25	
		S	0	5	25.2	0.5	-11	-24			
		M _N	0	5	25.3	0.5		-24			
		M _E	0	5	25.6	0.5	+15				
		F	0	6	4						
407	Sept.29	iP	16	20	14.5	0.4	± 3	- 3		36	Felt slightly. Off cape of Inubo.
		S	16	20	19.4	0.7	-10	+36			
		M _{EN}	16	20	19.7	0.5	+169	-103			
		F	16	23	7						
408	Oct. 2	P	20	47	28.5					39	
		S	20	47	33.7						
		F	20	47	50						
409	Oct. 2	P	23	8	0.9					20	
		S	23	8	3.6						
		F	23	8	19						
410	Oct. 3	iP	6	4	16.1	0.7	- 3	- 6	-66	42	Felt slightly. N-ern part of Kujukuri-hama
		S	6	4	21.8	1.3	+540	-330			
		M _{EN}	6	4	22.1	1.3	+540	-330			
		M _Z	6	4	23.3	0.6			-73		
		F	6	10	56						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
411	Oct. 3	P	6	58	30.7				45		
		S	6	58	36.7						
		F	6	58	54						
412	Oct. 3	P	7	0	21.2				142		
		S	7	0	40.3						
		F	7	0	48						
413	Oct. 3	P	7	40	14.3				44		
		S	7	40	20.2						
		M _{EN}	7	40	20.5						
414	Oct. 3	F	7	40	40				39		
		P	7	43	18.8						
		S	7	43	24.0	0.9	+12	- 3			
415	Oct. 3	M _E	7	43	24.2	0.9	+12		42		
		M _N	7	43	24.7	0.9		+10			
		F	7	43	49						
416	Oct. 3	iP	15	26	20.8	0.4	- 1	+ 3	42		
		S	15	26	26.4	0.7	-18	-54			
		M _{EN}	15	26	26.9	0.7	+67	+79			
417	Oct. 3	M _Z	15	26	30.2	0.7		+13	35		
		F	15	28	5						
		P	16	9	13.9						
418	Oct. 3	S	16	9	18.6				36		
		F	16	9	26						
		P	16	39	55.2						
419	Oct. 3	S	16	40	0.0				85		
		F	16	40	10						
		P	17	0	40.3						
420	Oct. 4	S	17	0	45.5				85		
		F	17	1	6						
		eP	11	9	24.3						
421	Oct. 4	S	11	9	35.7				43		
		F	11	10	10						
		P	11	39	4.6						
422	Oct. 4	S	11	39	10.4	0.7	+ 9	+ 3	490		
		M _N	11	39	11.1	0.7		+10			
		M _E	11	39	11.6	0.9	-11				
423	Oct. 4	F	11	40	4				51		
		eP	22	58	52.3						
		F	22	59	48						
424	Oct. 6	eP	5	27	28.2		+11		475		
		S	5	28	34.2	0.7	+54				
		M _E	5	29	41.0	3.5		+46			
425	Oct. 6	M _N	5	29	46.7	2.4			51		
		C	5	39	38						
		F	5	45	53						
426	Oct. 6	P	10	46	23.6				475		
		S	10	47	28.1						
		F	10	49	43						
427	Oct. 6	eP	12	4	33.5				475		
		S	12	5	37.4	0.7	- 4	+ 3			
		M _N	12	6	23.1	2.3		+ 9			
428	Oct. 6	M _E	12	6	45.4	2.3	- 9		30		
		F	12	10	45						
		P	16	39	23.4						
429	Oct. 9	S	16	39	27.4				30		
		F	16	40	2						
		eP	0	52	31.1						
430	Oct. 11	eS	0	52	47.8				2647		

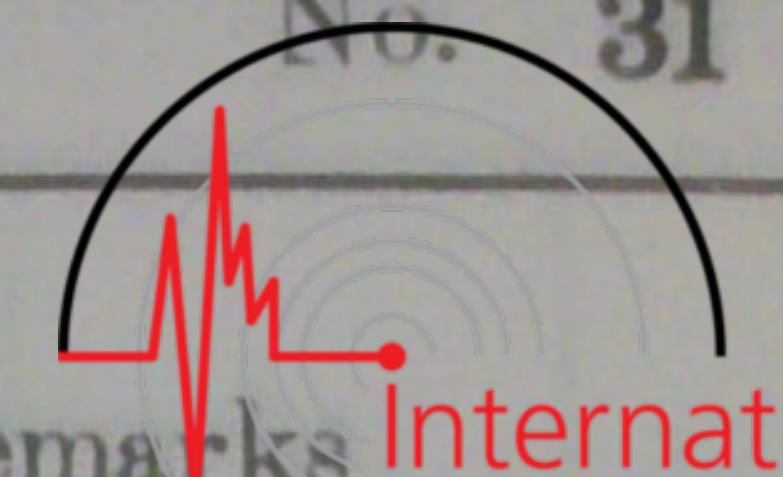


No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
427	Oct. 11	eL	1	0	51.4					25	
		F	1	9	33						
		P	9	54	44.1						
		S	9	54	47.4						
428	Oct. 13	F	9	54	56					28	
		iP	15	39	39.1	0.3	- 3	- 3	+ 4		
		S	15	39	42.9	0.7	- 6	+ 7	+ 4		
		M _{EN}	15	39	43.4	0.7	+ 52	- 22			
429	Oct. 14	M _Z	15	39	44.1	0.6			- 5	150	
		F	15	40	54						
		P	9	9	55.2						
		P ₁	9	10	10.4						
		S	9	10	15.4	1.2	+ 5	- 5			
		M _N	9	10	15.7	1.2		- 5			
430	Oct. 18	M _E	9	10	18.2	1.2	+ 9			463	
		F	9	12	25						
		eP	0	29	37.3						
		S	0	30	39.7	1.4	- 2	+ 4			
		M _E	0	30	45.4	1.1	- 8				
431	Oct. 18	M _N	0	30	58.1	1.6		- 9		3074	
		F	0	33	33						
		eP	17	4	52.1						
432	Oct. 19	L	17	11	8.9					45	
		F	17	28							
		P	18	18	11.0						
433	Oct. 20	S	18	18	17.0					77	
		F	18	18	31						
		P	19	33	43.7						
		S	19	33	54.1	0.7	- 2	+ 2			
434	Oct. 21	M _E	19	33	55.7	0.8	+ 5			44	
		M _N	19	34	1.0	0.7		+ 4			
		F	19	34	50						
		P	10	5	24.2						
		S	10	5	30.1						
435	Oct. 21	F	10	5	50					91	
		P	16	2	9.3						
		S	16	2	21.5	0.7	+ 3	- 2			
		M _N	16	2	22.9	0.7		+ 3			
436	Oct. 22	M _E	16	2	23.3	0.7	+ 9			1878	
		F	16	3	37						
		eP	2	57	38.5						
		S	3	0	50.7	1.6	- 4	- 1			
		M _E	3	0	56.6	3.5	+ 18				
437	Oct. 22	M _N	3	1	9.5	2.4		+ 17		126 150	
		C	3	7	17.8						
		F	3	27							
		eP	3	33	2.9						
		P ₁	3	33	9.4						
		S	3	33	19.8	0.6	- 6	- 4			
		S ₁	3	33	23.2	1.0	- 22	+ 15			
		M _E	3	33	23.5	1.0	- 22				
		M _N	3	33	25.6	1.0		- 25			
438	Oct. 22	M _Z	3	33	31.8	1.5			- 10	37	
		F	3	38	57						
		P	5	5	15.7						
439	Oct. 22	S	5	5	20.7					37	
		F	5	5	36						
		S	10	55	5.1	1.1	- 3	+ 3			



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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
440	Oct. 22	F	10	55	55					101	
		P	12	8	28.0						
		S	12	8	41.5	0.6	- 8	+ 3			
		M _E	12	8	42.0	0.6	+16				
441	Oct. 22	M _N	12	8	43.8	0.6		-10			
		F	12	11	28						
		S	13	39	17.3						
		F	13	39	49						
442	Oct. 23	eP	1	12	21.2					65	
		S	1	12	29.9						
		M _N	1	12	30.6	0.5		+ 8			
		M _E	1	12	39.0	0.7	- 9				
443	Oct. 24	F	1	13	38						
		S	1	9	11.9						
444	Oct. 24	F	1	9	36					551	
		eP	7	25	3.0						
		P ₁	7	25	13.8						
		S	7	26	17.3	1.2	- 5	+ 3			
445	Oct. 24	M _N	7	26	45.8	2.1		-18			
		M _E	7	26	53.3	2.1	+14				
		F	7	31	10						
		P	22	48	25.1						
446	Oct 26	S	22	48	32.3	0.6	-11	+21			
		F	22	49	50						
		S	7	27	8.4	2.5		- 9			
447	Oct. 26	F	7	28	29					4091	
		eP	23	51	54.5						
		S	23	57	46.8	2.4	- 2	+ 1			
		M _N	23	57	49.4	2.3		+ 5			
448	Oct. 27	M _E	23	57	54.0	2.3	+ 7				
		F	0	0	31						
		eP	2	13	41.2						
		P _{MN}	2	14	15.3	2.3		- 9			
		P _{ME}	2	14	19.9	4.6	+ 7				
		eS	2	16	41.6						
		M _N	2	17	0.0	16.0		-100			
M _E	2	20	20.6	11.5	+53						
449	Oct. 27	C	2	27	3.3						
		F	2	38	38						
		P	2	51	55.8						
450	Oct. 27	S	2	51	59.2					25	
		F	2	52	30						
		P	19	12	56.5						
451	Oct. 27	S	19	13	1.5					37	
		F	19	13	16						
		eP	16	59	17.3						
452	Oct. 29	S	16	59	28.3					82	
		F	16	59	52						
		eP	21	26	30.6						
453	Oct. 29	S	21	26	39.7					68	
		F	21	26	59						
		eP	2	24	19.3						
454	Oct. 30	S	2	25	15.7	0.7	- 3	+ 4		419	
		M _N	2	25	21.3	0.7		+14			
		M _E	2	25	23.6	0.7	+13				
		F	2	32	8						
454	Oct. 31	eP	17	17	19.0					60	
		S	17	17	27.1	0.7	+ 3	+ 1			



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
		F	17	17	58						
455	Nov. 1	iP	9	17	55.0	1.8		- 2		245	
		S	9	18	27.9	1.6	+ 4				
		F	9	22	55						
456	Nov. 2	S	21	4	7.2						
		F	21	4	22						
457	Nov. 4	eP	15	20	9.4					626	
		S	15	21	33.8	1.6	+ 3	- 4			
		M _E	15	21	50.0	1.4	+ 5				
		M _N	15	21	52.3	1.4		+ 5			
		F	15	24	31						
458	Nov. 4	iP	19	38	16.6	0.9		- 2		124	
		P ₁	19	38	21.7	1.1	- 4	- 6			
		S	19	38	33.2	1.1	+ 8	+ 6			
		M _N	19	38	34.1	0.7		+ 7			
		M _E	19	38	34.8	0.7	+ 9				
		F	19	40	40						
459	Nov. 5	P	19	34	32.3					28	
		S	19	34	36.1						
		F	19	34	51						
460	Nov. 5	eP	22	23	36.5					45	
		S	22	23	42.6						
		F	22	23	56						
461	Nov. 5	P	23	35	9.0					62	
		S	23	35	17.3	0.6	+ 6	- 3			
		M _E	23	35	17.5	0.6	+ 6				
		M _N	23	35	17.8	0.6		+ 6			
		F	23	36	14						
462	Nov. 6	eP	17	10	58.7					130	
		S	17	11	16.1	0.7	+ 4	- 7			
		S ₁	17	11	22.3	0.9	+22	-19			
		M _E	17	11	32.2	1.4	-31				
		M _N	17	11	32.7	0.7		-21			
		F	17	14	27						
463	Nov. 7	P	5	7	50.7					169	
		S	5	8	13.5	0.7	- 2	+ 2			
		M _N	5	8	18.2	0.6		+ 4			
		M _E	5	8	18.9	0.6	+ 5				
		F	5	10	1						
464	Nov. 7	P	20	17	34.4					68	
		S	20	17	43.5	0.4	+ 3	- 3			
		F	20	18	37						
465	Nov. 7	eP	20	30	33.0					152	
		S	20	30	53.5	0.7	-19	+11			
		S _Z	20	30	57.2	0.5			+ 5		
		M _{EN}	20	31	6.3	1.1	+62	+68			
		M _Z	20	31	8.8	1.0			-14		
		F	20	34	57						
466	Nov. 7	eP	21	35	34.6					97	
		S	21	35	47.6						
		F	21	36	17						
467	Nov. 8	S	9	31	4.2						
		F	9	31	32						
468	Nov. 8	eP	10	6	17.5					219	
		S	10	6	47.0						
		F	10	7	16						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
469	Nov. 8	P	12	26	34.9					250	
		P ₁	12	26	40.7						
		S _N	12	27	8.5	2.4		-38			
		S _E	12	27	11.9	2.4	+38				
		M _N	12	27	16.6	2.1		-75			
		M _E	12	27	20.0	2.4	+109				
		M _Z	12	27	36.0	2.4			+32		
		F	12	33	57						
470	Nov. 8	S	13	44	54.0						
		F	13	45	37						
471	Nov.10	iP	20	24	17.8	0.6	+4	+2	+27	42	Felt slightly Neighbourhood of Fuma (Tiba-ken)
		M _Z	20	24	18.0	0.6			+27		
		S	20	24	23.5	0.7	+80	-44			
		M _N	20	24	24.0	0.7		+111			
		M _E	20	24	24.6	1.2	-105				
472	Nov.10	P	20	29	4.5					42	
		S	20	29	10.2						
		F	20	29	27						
473	Nov.10	S	20	31	30.1						
		F	20	31	46						
474	Nov.10	iP	21	13	6.5	0.5			+7	42	
		M _Z	21	13	6.6	0.5			+7		
		S	21	13	12.2	0.9	+11	-8			
		M _N	21	13	12.9	0.9		+17			
		M _E	21	13	13.4	0.9	-16				
475	Nov.11	S	1	31	14.4						
		F	1	31	26						
476	Nov.11	P	1	50	23.8					43	
		S	1	50	29.6						
		F	1	50	47						
477	Nov.11	P	12	8	25.0					68	
		S	12	8	34.2	1.1	+3	-3			
		S ₁	12	8	43.1	0.7	-2	+2			
		M _N	12	8	43.6	0.7		-7			
		M _E	12	8	51.8	0.7	-6				
478	Nov.11	F	12	9	36					25	
		P	13	0	4.8						
		S	13	0	8.2	0.5	-2	-11			
479	Nov.12	F	13	0	22					76	
		eP	5	2	52.1						
		S	5	3	2.4						
480	Nov.12	F	5	3	20					39	
		iP	23	10	30.0	0.4			+4		
		S	23	10	35.3	0.7	-6	+4	-4		
		M _{EN}	23	10	35.8	0.7	+18	-19	+5		
481	Nov.13	F	23	11	50					78	
		P	3	43	1.2						
		S	3	43	11.7						
482	Nov.13	F	3	43	35					86	
		eP	13	6	6.7						
		S	13	6	18.3						
483	Nov.13	F	13	6	54					59	
		P	14	53	58.6						
		S	14	54	6.5						
484	Nov.13	F	14	54	31					68	
		eP	18	20	37.7						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
485	Nov.14	S	18	20	46.9				56		
		F	18	21	19						
		P	1	50	45.5						
486	Nov.14	S	1	50	53.0				73		
		F	1	51	12						
		P	12	14	36.9						
487	Nov.15	S	12	14	46.7				101		
		F	12	15	17						
		P	11	16	44.2						
488	Nov.15	S	11	17	56				212		
		F	11	17	56						
		P	23	31	44.3						
489	Nov.16	S	23	31	57.9				133		
		F	23	32	54						
		eP	14	49	58.1						
490	Nov.17	S	14	50	26.6				141		
		F	14	51	40						
		eP	13	5	57.6						
491	Nov.17	S	13	6	15.5				94		
		F	13	7	5						
		S	19	44	19.8						
492	Nov.17	F	19	44	34				209		
		eP	20	54	49.8						
		S	20	55	8.8						
493	Nov.17	F	20	56	1				82		
		eP	22	45	58.4						
		S _E	22	46	15.9	0.7	+ 4				
		S _N	22	46	20.8	0.7		- 3			
		M _E	22	46	22.8	0.7	- 5				
494	Nov.18	M _N	22	46	24.3	1.2		+ 5	45		
		F	22	47	56						
		eP	12	16	8.6						
495	Nov.18	S	12	16	36.7				100		
		F	12	17	34						
		S	18	23	39.7						
496	Nov.18	F	18	27	0				56		
		P	21	17	43.4						
		S	21	17	54.5	0.6	- 5	+ 3			
497	Nov.19	M _{EN}	21	17	56.7	0.6	- 6	+ 4	88		
		F	21	19	20						
		P	17	22	12.9						
498	Nov.19	S	17	22	19.0				77		
		F	17	22	34						
		eP	22	45	23.3						
499	Nov.20	S	22	45	36.8				109		
		F	22	46	13						
		P	0	4	23.4						
500	Nov.20	S	0	4	30.9	1.2	+15	+10	88		
		M _{EN}	0	4	31.2	1.2	+15	+10			
		F	0	6	6						
501	Nov.20	eP	2	47	2.8				77		
		S	2	47	14.6						
		F	2	48	8						
502	Nov.20	P	9	8	13.5				109		
		S	9	8	23.9	0.9	+ 8	+ 8			
		M _E	9	8	27.2	0.7	+22				
		M _N	9	8	27.4	0.5		- 17			
		F	9	10	20						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
503	Nov.23	S	15	47	40.7					82	
		F	15	48	21						
		P	6	29	45.0						
		S	6	29	56.0	0.6	+ 3	+ 3			
		M _E	6	29	56.5	0.6	- 5				
504	Nov.23	M _N	6	29	59.1	0.6		+ 4		327	
		F	6	31	32						
		eP	21	36	35.0						
505	Nov.24	S	21	37	19.0						
		F	21	38	8						
506	Nov.26	S	7	58	52.9						
		F	7	59	37						
507	Nov.26	P	12	38	55.3					98	
		S	12	39	8.5	0.7	- 6	+ 3			
		M _N	12	39	21.3	0.8		+ 7			
		M _E	12	39	24.5	1.2	+ 9				
508	Nov.26	F	12	41	3					94	
		P	19	26	45.3						
		S	19	26	58.0						
509	Nov.27	F	19	27	56					2813	
		eP	21	15	54.6						
		cL	21	15	14.6						
510	Nov.27	F	21	27	38					98	
		eP	10	33	49.3						
511	Nov.27	S	10	34	2.5					41	Felt moderately. Kujukuri-hama.
		F	10	35	2						
		iP	14	50	4.7	0.6	+46	+21	+129		
		M _Z	14	50	6.6	1.3			-240		
		S	14	50	10.2	0.7	+181	-320	-204		
512	Nov.28	M _{EN}	14	50	15.2	1.0	+1250	+500			
		F	14	59	39						
		eP	15	21	13.2						
513	Nov.28	F	15	25	19					78	Felt slightly. Neighbourhood of Simozuma (Ibaraki-ken)
		iP	0	56	53.2	0.5	+ 5	- 1	+18		
		M _Z	0	56	53.3	0.5			+18		
		S	0	57	3.7	0.6	-48	+23	+ 4		
		M _N	0	57	11.8	0.7		-42			
514	Nov.28	M _E	0	57	22.1	1.4	+50				
		F	1	0	10						
		eP	17	46	58.8					387	
S	17	47	50.9								
F	17	48	57								
515	Nov.28	P	18	25	52.8					79	
		S	18	26	3.4						
516	Nov.29	F	18	26	54					408	
		P	22	3	8.2						
		P ₁	22	3	14.2						
		S	22	4	3.2						
517	Nov.29	F	22	5	9					33	Felt moderately, S-ern part of Kasima-nada
		iP	3	32	48.8	0.6	+ 6	-35	+115		
		M _Z	3	32	49.7	0.9			-150		
		S	3	32	53.3	0.9	+56	-114			
		M _E	3	32	54.7	0.9	-272				
517	Nov.29	M _N	3	32	55.1	0.9		+180			
		F	3	36	34						
		eP	21	55	40.3					186	
S _E	21	56	5.3	1.9	- 6						
S _N	21	56	11.7	1.2		- 5					





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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
518	Nov.30	M _N	21	56	34.2	2.4		-18		54	
		M _E	21	56	45.9	3.3	-18				
		F	22	1	31						
		P	3	39	24.2						
519	Nov.30	S	3	39	31.4						
		F	3	40	30						
		eL	11	48	30.4						
520	Dec. 1	F	12	22	0						
		P	8	9	13.3						
521	Dec. 1	S	8	9	18.6	0.7	+10	-17		39	
		F	8	10	9						
522	Dec. 1	eP	12	28	22.6					131	
		P ₁	12	28	31.7						
		S	12	28	40.3	0.7	+ 3	- 3			
		S ₁	12	28	51.3	1.2		- 3			
		M _E	12	28	58.5	0.9	+ 4				
		M _N	12	28	58.7	0.9		- 4			
		F	12	30	33						
		P	22	31	43.0						
523	Dec. 4	S	22	31	56.4	0.5	- 9	- 4	+ 4	100	
		M _E	22	31	57.6	0.7	+35				
		M _Z	22	32	3.8	0.7			+ 5		
		M _N	22	32	7.2	0.7		-35			
		F	22	34	45						
524	Dec. 7	P	6	48	14.2					48	
		S	6	48	20.7	0.7	+ 1	- 6			
		F	6	49	3						
525	Dec. 7	P	1	54	41.6					45	
		S	1	54	47.6	0.6	+ 5	+ 6			
		M _N	1	54	48.1	0.6		-10			
		M _E	1	54	49.7	0.7	+ 6				
		F	1	56	35						
526	Dec. 8	P	1	57	3.2					44	
		S	1	57	9.1	0.7		+ 3			
		M _N	1	57	9.5	0.7		- 6			
		M _E	1	57	10.7	0.6	+ 3				
		F	1	57	43						
527	Dec. 8	P	0	24	24.7					73	
		S	0	24	34.5	0.8	- 6	+ 4			
		M _N	0	24	43.3	1.4		+ 5			
		M _E	0	24	50.4	0.8	+ 8				
		F	0	26	18						
528	Dec. 8	iP	10	13	44.8	0.4	+ 4	+ 1	+13	47	
		M _Z	10	13	44.9	0.4			+13		
		P ₁	10	13	48.3	0.6	-19	-11	- 4		
		S	10	13	51.1	0.7	+19	-10			
		M _N	10	13	54.6	0.7		-21			
		M _E	10	13	55.3	0.7	+39				
529	Dec. 9	F	10	15	55					95	
		P	20	23	15.3						
		S	20	23	28.1	0.7	+ 3	+ 4			
		M _N	20	23	29.3	0.7		-11			
		M _E	20	23	46.4	1.4	-13				
529	Dec. 9	F	20	25	7					95	
		P	3	58	51.4						
		S	3	59	4.2						



International
Seismological
Centre

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
530	Dec. 10	F	4	0	1					41	
		P	1	46	13.0						
		S	1	46	18.5						
531	Dec. 10	F	1	46	30						
		eP	8	40	34.4						
532	Dec. 10	F	8	41	43					428	
		eP	9	23	4.1						
533	Dec. 10	P ₁	9	23	50.8	0.6	- 5	+ 6			
		S	9	24	1.8	0.6	+ 5	- 6			
		M _N	9	24	7.3	1.1		-15			
		M _E	9	24	17.2	1.1	-15				
		F	9	27	49						
		eP	18	5	40.3						71
		S	18	5	49.9						
534	Dec. 11	F	18	7	8						
		iP	0	29	43.7	0.5	+ 3	+ 1	+ 5	42	
		M _Z	0	29	43.8	0.5			+ 5		
		S	0	29	49.4	0.7	+15	+21	+ 4		
		M _E	0	29	51.9	0.9	+24				
535	Dec. 11	M _N	0	29	52.6	0.7		-29			
		F	0	31	38						
		P	4	9	53.5					116	
		S	4	10	9.2	1.1	+15	+14			
		M _N	4	10	9.5	1.1		+14			
536	Dec. 11	M _E	4	10	10.8	1.3	-21				
		F	4	12	18						
		P	5	32	48.4					34	
		S	5	32	53.0						
537	Dec. 11	F	5	33	10						
		P	9	29	52.8					85	
		S	9	30	4.2						
		M _N	9	30	4.8	0.5		- 4			
538	Dec. 11	M _E	9	30	7.4	0.5	+ 5				
		F	9	31	7						
		eP	12	49	55.0					100	
		S	12	50	8.5	0.7	- 4	+ 7			
539	Dec. 11	M _N	12	50	16.2	1.1		+13			
		M _E	12	50	25.5	1.1	+11				
		F	12	53	11					97	
540	Dec. 12	P	13	31	55.3						
		S	13	32	8.3						
		F	13	32	38						
541	Dec. 12	P	21	51	34.6					56	
		S	21	51	42.1	0.5	- 6	-28			
		M _N	21	51	42.2	0.5		-28			
		M _E	21	51	48.6	0.7	+13				
542	Dec. 14	F	21	53	30						
		P	22	39	28.7					76	
		S	22	39	38.9						
543	Dec. 15	S ₁	22	39	48.4						
		F	22	40	37						
		P	2	21	26.3					70	
		S	2	21	35.7	0.7	+ 5	+ 4			
543	Dec. 15	M _E	2	21	36.6	0.7	+ 6				
		M _N	2	21	40.2	0.5		+ 5			
		F	2	22	55						
543	Dec. 15	eP	6	48	36.3						
		F	6	49	21						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
544	Dec. 15	P	11	5	41.6					4647	
		S	11	12	4.7						
		L	11	15	33.5						
		L ₁	11	18	45.9						
		M _N	11	23	24.3	14.4		+ 150			
		M _E	11	23	31.0	16.0	- 150				
		C	11	38	21.1						
545	Dec. 16	F	11	56	7						
		iP	17	22	6.1	0.5	+ 3	- 2	+ 2	46	
		S	17	22	12.3	0.9	+ 29	+ 46	+ 5		
		M _N	17	22	13.1	0.9		- 60			
		M _E	17	22	13.5	0.9	+ 132				
		M _Z	17	22	18.0	1.1			- 19		
		F	17	26	26						
546	Dec. 16	eP	22	23	51.9						33
		S	22	23	56.4						
		F	22	24	8						
547	Dec. 18	L	1	9	1.3						
		F	1	24	35						
548	Dec. 19	P	18	2	33.5					246	
		P ₁	18	2	44.5						
		S	18	3	6.6	0.6	- 3	- 3			
		M _N	18	3	17.4	0.7		- 7			
		M _E	18	3	18.8	0.7	- 6				
549	Dec. 20	F	18	5	39						
		P	8	33	59.4					80	
		S	8	34	10.2	0.7	- 4	+ 3			
550	Dec. 21	F	8	34	34						
		eP	10	8	8.9					146	
		S _N	10	8	28.5	0.7		- 1			
		S _E	10	8	31.1	0.7	- 3				
		M _E	10	8	32.7	0.7	- 5				
M _N	10	8	40.2	0.7		- 4					
551	Dec. 21	F	10	10	7						
		P	11	39	20.9					398	
		S	11	40	14.5						
552	Dec. 21	F	11	40	58						
		P	17	14	21.0					30	
		S	17	14	25.1						
553	Dec. 22	F	17	14	34						
		P	3	46	51.6						
		F	3	47	6						
554	Dec. 25	eP	15	31	22.0					1974	
		eS	15	34	42.4						
		eL	15	37	23.7						
		F	15	49	0						
555	Dec. 28	P	3	42	13.4					38	
		S	3	42	18.5						
		F	3	42	43						
556	Dec. 28	eP	9	3	15.3					98	
		eS	9	3	28.5						
		F	9	4	20						
557	Dec. 28	P	14	32	41.6					31	
		S	14	32	45.8						
		F	14	33	9						
558	Dec. 28	P	16	48	44.9					981	
		P ₁	16	48	50.2						
		S	16	50	57.2						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
559	Dec. 31	F	16	51	54					26	
		P	11	11	2.8						
		S	11	11	6.3	0.5	+ 6	+ 3			
		M _E	11	11	6.4	0.5	+ 6				
		M _N	11	11	6.7	0.5		- 8			
560	Dec. 31	F	11	11	24					55	
		P	19	15	19.5						
		S	19	15	26.9	0.8	-37	-51			
		M _{EN}	19	15	27.1	0.8	-37	-51			
		M _Z	19	15	30.0	0.7			+ 9		
		F	19	17	16						

Corrigenda.

Page	Line	Read	For
5	45	AN, -3	AE, -3
8	58	7	3
9	1	7	3
9	2	7	3
9	3	21	12
9	21	27.1	20.1
12	45	AN, -5	AN, -
20	34	22	20
22	30	Mz, -9, 09 ^S	Mz, -
22	31	ME, +33, 09 ^S	ME, -
27	24	AE, -3	AN, +5
28	9	MEN, +5, +5, 1.2 ^S	MEN, -