

EXCHANGE
AUG 14 1934



THE
SEISMOLOGICAL BULLETIN
OF THE
TYOSI METEOROLOGICAL OBSERVATORY

TYOSI, JAPAN

1933

From Jan. to Dec.



TYOSI

July 1934

TYOSI, JAPAN.



SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

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

INSTRUMENTAL CONSTANTS

INSTRUMENT	COMPONENT	MASS kg	DAMPING	T°	$\frac{r}{T_0^2}$	ϵ	V
Wiechert	N-S	200	Air	4.9	0.020	5.8	79
	E-W	200	"	5.1	0.026	5.0	76
Wiechert	U-D	80	"	4.1	0.023	5.1	56
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

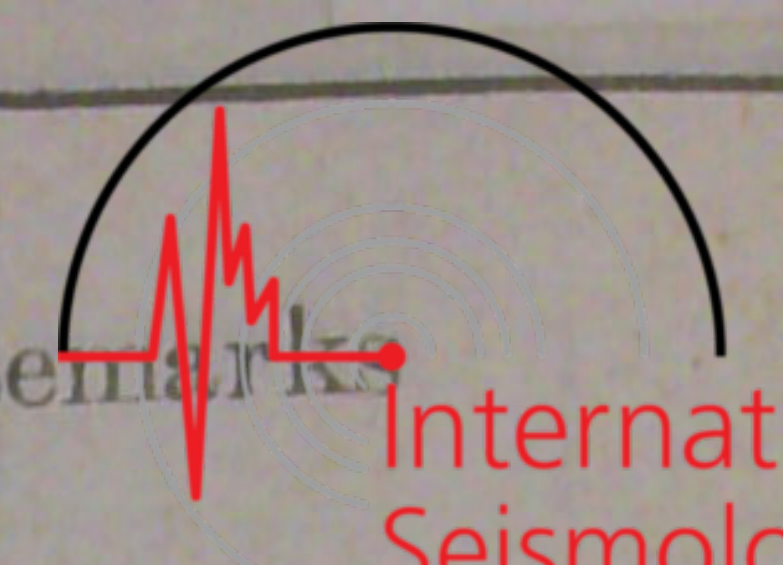
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
1	Jan. 1	iP	16	5	47.5				26		
		S	16	5	51.0						
		F	16	6	9						
2	Jan. 1	eP	17	20	39.6						
		F	17	21	27						
3	Jan. 2	eP	6	4	20.5				86		
		S	6	4	32.1						
		F	6	4	56						
4	Jan. 2	eP	7	25	13.8				42		
		S	7	25	19.4						
		F	7	25	45						
5	Jan. 4	eP	0	28	33.4				348 575		
		P ₁	0	28	49.8						
		S	0	29	20.3	1.7	- 4	+ 9			
		L	0	29	50.9	5.7	+34	+10			
		M _Z	0	30	28.0	2.5			+12		
		M _N	0	30	35.5	2.9		-49			
		M _E	0	30	36.6	6.3	-96				
		C	0	38							
6	Jan. 4	F	0	49					475		
		eP	7	42	27.3						
		S	7	43	31.3						
7	Jan. 4	F	7	45	57				743		
		eP	10	27	18.3						
		P ₁	10	27	23.9	0.9	+ 4	+ 4			
		P _{MN}	10	27	35.9	0.9		+10			
		S	10	28	58.5	1.9	- 6	+ 9			+ 5
		M _Z	10	28	59.9	1.9					- 6
		M _N	10	29	3.2	1.6		+40			
		M _E	10	29	7.3	1.6	+32				
C	10	34	28								

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
8	Jan. 4	F	11	3					424		
		eP	10	36	17.4						
		S	10	37	14.6	0.9		+ 5			
9	Jan. 5	M _N	10	37	29.2	0.9		+10	52		
		F	10	39	47						
		eP	13	44	7.1						
10	Jan. 7	S	13	44	14.1				219		
		F	13	44	57						
		eP	1	1	4.5						
11	Jan. 7	S	1	1	34.0				424		
		F	1	2	44						
		eP	13	8	3.2						
		P ₁	13	8	19.8	1.7	+10	-29			+ 8
		S	13	9	0.4	1.7	+110	+39			
		L	13	9	24.8						
		M _E	13	9	59.2	2.4	-128				
		M _N	13	10	11.3	4.3		+214			
12	Jan. 7	M _Z	13	11	39.1	4.9			605		
		C	13	33	13						
		F	13	49							
13	Jan. 7	eP	13	55	6.2				625		
		S	13	56	30.4	1.7		- 5			
		M _N	13	57	8.9	2.0		+10			
14	Jan. 7	F	14	3	56				601		
		eP	14	32	21.8						
		S	14	33	42.8						
15	Jan. 8	F	14	36	20				604		
		eP	15	25	4.1						
		S	15	26	25.5						
16	Jan. 9	F	15	28	39				601		
		eP	15	30	14.1						
		P ₁	15	30	21.7	1.3		- 4			
		S	15	31	35.1	2.3	- 9	- 9			
		M _N	15	31	55.9	2.6		+49			
17	Jan. 9	M _E	15	31	56.5	2.8	-71		563		
		F	15	46	54						
		eP	3	29	48.6						
18	Jan. 9	S	3	31	4.5				85		
		F	3	34	9						
		iP	4	45	48.1						
19	Jan. 9	S	4	45	59.5				660		
		F	4	46	31						
		eP	5	56	15.5						
20	Jan. 10	S	5	57	44.5	1.6		+ 7	232		
		F	5	59	46						
		iP	11	18	37.0						
21	Jan. 11	S	11	19	8.3				33		
		F	11	19	52.0						
		iP	1	56	11.6	1.1	-14	+14			+36
22	Jan. 12	S	1	56	16.1	1.9	+181	-132	149		
		F	1	59	14						
		eP	19	21	17.1						
23	Jan. 12	F	19	22	29				149		
		iP	23	10	56.2						
		S	23	11	16.3	0.9	-12	+ 6			- 6
		M _Z	23	11	30.4	1.3					+ 3
24	Jan. 12	L	23	11	33.1	1.2	-22	-12	149		
		M _N	23	11	50.8	1.5		+17			



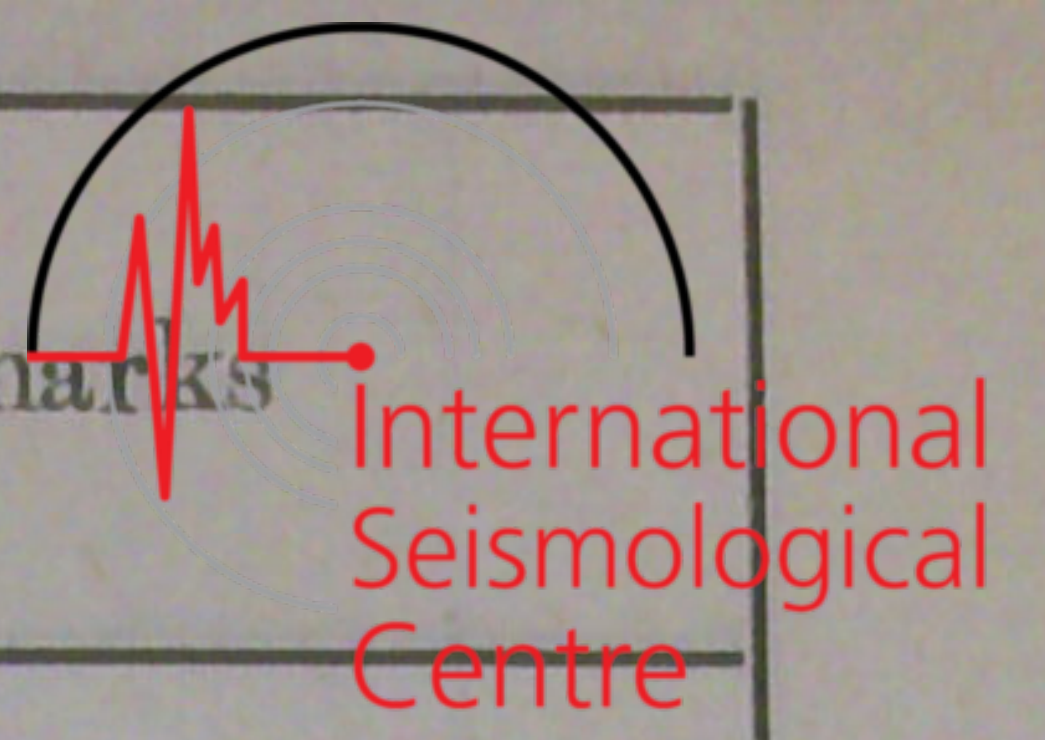
No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
23	Jan. 13	F	23	15	1						
		iS	14	42	15.7	0.4		- 4			
24	Jan. 13	F	14	42	23						
		iS	16	17	53.3	0.6	+ 5	+ 3			
25	Jan. 13	F	16	18	5						
		iS	16	51	39.8						
26	Jan. 14	F	16	51	45						
		eP	15	44	4.5				106		
		S	15	44	28.8						
27	Jan. 15	F	15	45	19						
		iP	8	19	26.4	0.5					
		S	8	19	33.0	0.9	-14	±10	- 2 + 3	49	
28	Jan. 15	F	8	20	52						
		iP	22	34	46.7					88	
		S	22	34	58.5						
29	Jan. 17	F	22	36	5						
		eP	14	17	42.2					255	
		S	14	18	16.5						
30	Jan. 18	F	14	20	46						
		iS	1	18	26.9						
31	Jan. 20	F	1	18	46						
		eP	4	55	50.8					135	
		S	4	56	9.0						
32	Jan. 20	F	4	57	3						
		iP	14	20	57.7					88	
		S	14	21	9.6						
33	Jan. 21	F	14	21	51						
		eP	8	49	44.7					130	
		iP	8	49	52.0						
		S	8	50	2.2						
		L	8	50	10.1						
		M _E	8	50	10.4	0.8	-19				
		M _N	8	50	13.9	0.7		+14			
34	Jan. 21	F	8	51	49						
		eP	22	4	20.1					55	
		S	22	4	27.5						
35	Jan. 22	F	22	4	49						
		iP	10	35	10.1	0.5	- 5	+ 3	± 8	20	Felt slightly.
		S	10	35	12.8	0.9	+65	-50	± 8		Neighbourhood of Tyosi.
		M _N	10	35	13.4	0.9		+72			
		M _Z	10	35	13.7	0.9			+30		
36	Jan. 22	F	10	37	10						
		eP	14	8	2.1					83	
		S	14	8	13.3						
37	Jan. 25	F	14	9	57						
		iP	6	10	43.2					102	
		P ₁	6	10	49.0						
		S _E	6	10	56.9	0.9	-22				
		M _N	6	11	3.3	1.2		-41			
		M _E	6	11	10.3	1.5	-70				
38	Jan. 25	F	6	13	43						
		iP	13	21	44.3					42	
		S	13	21	50.0						
39	Jan. 26	F	13	22	40						
		iP	9	13	50.2					20	
		S	9	13	52.9	0.6	+18	-28			
40	Jan. 26	F	9	14	15						
		iP	11	50	48.6					45	

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
41	Jan. 27	P ₁	11	50	53.1	0.8	+ 7	- 7		47	
		S	11	50	54.6	0.8	- 9	+15			
		F	11	51	58						
42	Jan. 27	eP	20	55	37.1					47	
		F	20	56	23						
43	Jan. 29	eP	22	44	10.0					24	
		S	22	44	16.3						
		F	22	44	55						
44	Jan. 29	eP	7	7	42.8					133	
		S	7	7	46.0						
		F	7	8	0						
45	Jan. 29	iP	20	9	51.4					40	
		S	20	10	9.3	1.2	- 5	-10			
		F	20	12	1						
46	Jan. 30	iP	23	34	19.1					55	
		S	23	34	24.5	0.8	-20	+64	-15		
		M _{EN}	23	34	25.1	0.8	+250	-132			
		M _Z	23	34	29.3	0.8			+31		
		F	23	36	49						
47	Jan. 31	iP	12	28	18.2					34	
		S	12	28	25.6	0.5		-17			
		F	12	29	8						
48	Jan. 31	iP	6	38	49.3					27	Felt slightly. NE-ern sea of Inubo.
		S	6	38	53.9	0.6	+13	+ 7			
		F	6	39	9						
		iP	11	49	41.9	0.6	+ 9	+ 7	-39		
		S	11	49	45.6	0.9	+ 9	+39			
49	Feb. 2	M _E	11	49	47.7	1.0	-55			57	
		M _N	11	49	48.3	1.0		-81			
		F	11	51	54						
50	Feb. 4	iP	1	39	38.0					962	
		S	1	39	45.7						
		F	1	39	31						
51	Feb. 4	eP	7	15	4.7					613	
		S	7	17	14.4						
		M _{E1}	7	17	29.9	2.5	+16				
		M _{N1}	7	17	52.0	2.5		-15			
		M _{N2}	7	17	54.5	2.5		+15			
		M _{E2}	7	17	59.3	2.5	+16				
		M _{E3}	7	18	31.2	2.5	-16				
		C	7	20	15						
52	Feb. 4	F	7	23	35					46	
		iP	15	19	54.9						
		S	15	21	17.5	1.0	- 8	+ 4			
53	Feb. 4	M _E	15	21	18.4	2.6	+25			65	
		M _N	15	21	21.3	2.0		+14			
		F	15	23	40						
54	Feb. 7	iP	16	4	4.9					65	
		S	16	4	11.1						
		F	16	5	14						
54	Feb. 7	iP	18	31	23.1					65	
		S	18	31	31.8	0.5	+ 4	- 4			
		F	18	32	38						
54	Feb. 7	iP	9	13	3.4	0.5	± 3		+ 3	65	
		M _Z	9	13	4.6	0.5			- 8		
		S	9	13	12.2	0.8	- 3	+ 4			



No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
55	Feb. 8	M _N	9	13	22.9	1.4		+12		50	
		M _E	9	13	28.6	1.4	-18				
		F	9	14	40						
		iP	4	58	48.4						
56	Feb. 9	S	4	58	55.4					396	
		F	4	59	25						
		iP	12	58	8.4						
		P ₁	12	58	11.6	1.2	+3	+3			
57	Feb. 9	S	12	59	1.8	1.2	-42	+33	+7	36	
		M _E	12	59	4.3	1.2	-150				
		M _N	12	59	6.5	1.2		+114			
		M _Z	12	59	10.3	1.2			-22		
58	Feb. 10	C	13	2	13					53	
		F	13	6	18						
		iP	20	19	44.5						
59	Feb. 10	S	20	19	49.4					105	
		F	20	19	56						
		iP	22	48	24.0						
60	Feb. 12	S	22	48	38.1					48	Felt moderately. Kasima-nada.
		F	22	49	35						
		eP	16	38	1.8						
61	Feb. 13	F	16	38	17					25	
		iP	15	51	7.1	0.5	-17	-21	+49		
		S	15	51	13.6	1.0	-21	-32			
		M _E	15	51	14.7	0.9	+1260				
62	Feb. 14	M _Z	15	51	17.0	1.0			-106	417	
		M _N	15	51	20.5	0.9		+500			
		F	16	2	37						
		iP	1	13	1.4						
63	Feb. 14	S	1	13	4.8	0.5	-17	-44	-3	77	
		M _{EN}	1	13	5.2	0.5	+33	+46			
		M _Z	1	13	6.4	0.5			+14		
		F	1	13	33						
64	Feb. 16	eP	2	29	15.4					111	
		S	2	30	11.6						
		F	2	31	41						
65	Feb. 17	eP	20	2	23.6					177	
		F	20	2	51						
		S	7	12	48.3						
66	Feb. 18	F	7	13	19					78	
		iP	12	22	38.2						
		S	12	22	48.6						
		F	12	23	42						
67	Feb. 20	iP	18	51	35.9					78	
		S	18	51	50.8						
		S ₁	18	51	59.7	2.7	-19	+33			
		M _Z	18	52	16.0	2.7			+15		
		M _E	18	52	26.9	2.7	-109				
		M _N	18	52	37.0	2.7		+68			
		C	18	58	16						
68	Feb. 20	F	19	2	56					78	
		iP	20	58	32.0						
		S	20	58	42.5	1.5	-17	+9			
		M _N	20	58	44.0	1.5		-17			
		M _E	20	58	47.0	1.5	+29				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
69	Feb. 20	F	21	0	30					126	
		eP	23	18	5.3						
		P ₁	23	18	14.3						
		S	23	18	22.3	1.0	+ 5	- 4			
		M _E	23	18	43.8	1.2	+ 29				
		M _N	23	18	52.8	1.7		+ 23			
70	Feb. 21	F	23	22	5						
		iP	0	23	22.5						
71	Feb. 21	F	0	24	28					41	Felt slightly. Neighbourhood of Sawara.
		iP	11	53	32.8	0.7	+ 21	- 11	+ 57		
72	Feb. 23	M _Z	11	53	34.3	0.7			+ 66	19978	
		S	11	53	38.3	1.4	+ 54	- 84			
		M _E	11	53	44.8	1.4	- 280				
		M _N	11	53	45.3	1.2		+ 160			
		C	11	55	49						
		F	11	58	33						
		eP	17	29	9.9						
73	Feb. 23	L	18	18	14.6					48	
		M _E	18	20	18.7	50.0	± 67				
		F	18	55							
74	Feb. 24	iP	23	14	24.9					156	
		S	23	14	31.4						
		F	23	15	30						
75	Feb. 24	eP	1	45	24.3					86	Felt slightly. Kasima-nada.
		S	1	45	45.3						
		F	1	46	24						
76	Feb. 25	iS	14	8	55.0					40	
		F	14	9	51						
77	Feb. 28	iP	22	18	53.4					42	
		S	22	19	5.0	1.1	+ 25	+ 43			
		M _N	22	19	6.6	1.1		- 44			
		M _{EZ}	22	19	7.7	1.1	+ 43		+ 15		
		F	22	21	23						
78	Feb. 28	iP	15	21	13.1	0.6			- 6	123	
		S	15	21	18.5	1.0	+ 104	+ 22			
		M _N	15	21	19.3	1.0		- 40			
		M _Z	15	21	22.1	1.0			+ 9		
79	Feb. 28	F	15	23	3					45	
		iP	16	24	53.0	0.8	+ 8	+ 7			
		S	16	24	58.6						
80	Mar. 1	F	16	25	15					412	Felt rather strongly. Off Sanriku.
		eP	17	46	53.4						
		S	17	47	10.0						
81	Mar. 3	F	17	48	24					412	Felt rather strongly. Off Sanriku.
		iS	0	7	36.7						
		F	0	8	7						
		iP	0	26	18.4						
		S	0	26	24.4						
		F	0	26	38						
		eP	2	32	4.0						
82	Mar. 3	iP	2	32	12.7	2.6	- 103	- 185	+ 85	412	Felt rather strongly. Off Sanriku.
		P ₁	2	32	38.9	2.4	- 270	- 370	+ 470		
		S	2	32	59.5	2.4	- 150	+ 370	+ 360		
		M _Z	2	33	46.0	3.6		+ 4700			
		M _E	2	33	58.8	3.6	- 8300				
		M _N	2	34	9.8	2.2		- 3800			



No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
	Mar. 3	C	2	46							
		F	6	12							
83	Mar. 3	eS	2	42	16.6						
		F	2	44	33						
84	Mar. 3	eP	2	50	18.4						
		F	2	51	40						
85	Mar. 3	eS	2	52	32.8						
		F	2	53	18						
86	Mar. 3	eP	2	58	16.8						
		F	3	0	27						
87	Mar. 3	eS	3	8	0.1						
		F	3	9	0						
88	Mar. 3	eS	3	18	33.5						
		F	3	19	58						
89	Mar. 3	eP	3	26	11.9						
		F	3	26	46						
90	Mar. 3	eP	3	27	28.1				412		
		eS	3	28	23.6	1.2		- 9			
		iS	3	28	48.9	2.6	- 17	+ 34			
		M _N	3	29	15.3	2.6		- 64			
		M _E	3	29	31.7	2.6	+ 51				
		F	3	33	48						
91	Mar. 3	eP	3	34	7.5						
		F	3	35	28						
92	Mar. 3	iP	3	37	12.6				411		
		S	3	38	8.0						
		F	3	40	53						
93	Mar. 3	eP	3	44	36.0				349		
		S	3	45	23.0						
		F	3	47	26						
94	Mar. 3	iP	3	50	13.2				400		
		S	3	51	7.1						
		F	3	54	43						
95	Mar. 3	eP	4	10	48.7						
		F	4	13	12						
96	Mar. 3	eP	4	14	49.6				430		
		S	4	15	47.5						
		F	4	20	18						
97	Mar. 3	eP	4	28	53.2				430		
		S	4	29	51.2						
		F	4	31	53						
98	Mar. 3	eP	4	32	41.0				445		
		S	4	33	41.0						
		F	4	36	1						
99	Mar. 3	S	4	39	37.5						
		F	4	40	30						
100	Mar. 3	eP	4	42	52.9				361		
		iP	4	42	59.1						
		S	4	43	41.6						
		S ₁	4	44	6.2	1.2	+ 27	+ 12			
		M _E	4	44	30.8	2.0	+ 63				
		M _N	4	44	59.7	2.5		+ 40			
		F	4	48							
101	Mar. 3	eP	4	57	57.0				319		
		S	4	58	40.0						
		F	5	0	54.0						
102	Mar. 3	S	5	8	23.8						
		F	5	12	4						

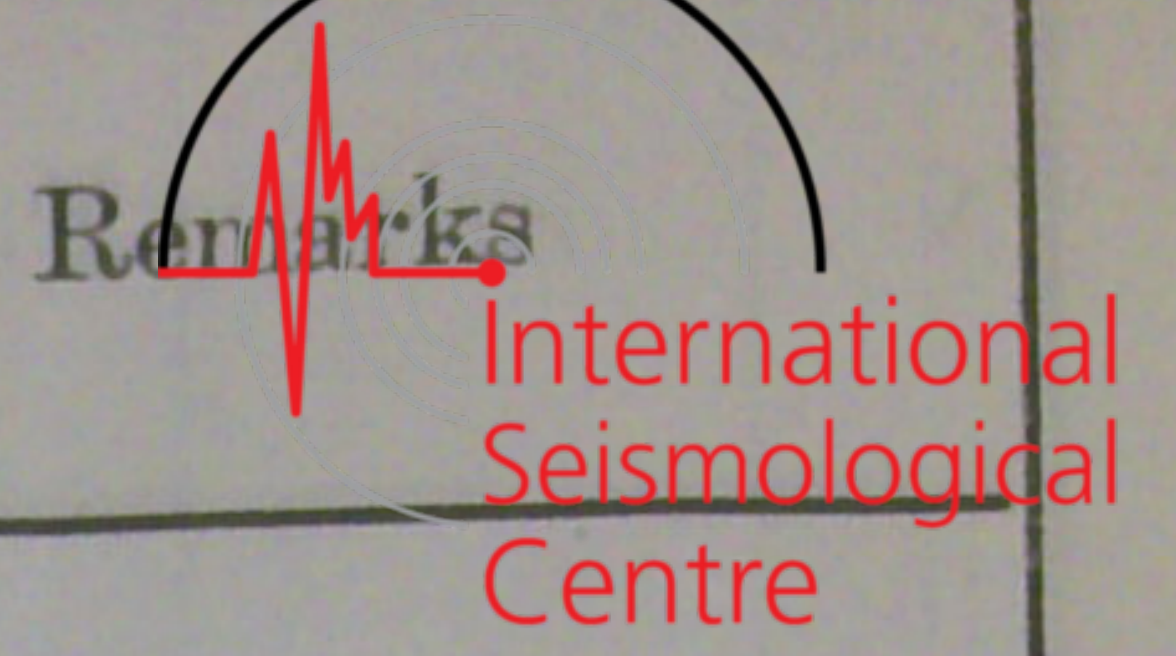
No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE	AN	AZ		
							μ	μ	μ		
103	Mar. 3	eP	5	16	3.2				349		
		S	5	16	50.3						
		F	5	22	31						
104	Mar. 3	eP	5	24	47.0				393		
		S	5	25	40.0						
		F	5	27	7						
105	Mar. 3	eP	5	43	59.4				339		
		S	5	44	45.1				441		
		iS	5	44	58.9						
		M _N	5	45	36.2	2.6		+152			
		M _E	5	46	2.1	2.6	-225				
		M _Z	5	46	14.0	3.1			+77		
		F	6	3	0						
106	Mar. 3	eS	6	7	24.8						
		F	6	10	45						
107	Mar. 3	S	6	26	9.6						
		F	6	27	8						
108	Mar. 3	eP	6	49	23.3				401		
		S	6	50	17.3						
		M _N	6	50	38.5	1.5		+11			
		M _E	6	50	47.3	2.3	+17				
		F	6	55	8						
109	Mar. 3	eP	7	0	13.5				398		
		S	7	1	7.1						
		F	7	2	29						
110	Mar. 3	eP	7	2	47.7				403		
		S	7	3	42.0						
		F	7	7	16						
111	Mar. 3	S	7	12	29.4						
		F	7	13	52						
112	Mar. 3	iP	7	36	5.5				506		
		eS	7	37	15.7						
		F	7	41	16						
113	Mar. 3	iP	7	44	7.1				352		
		S	7	44	54.6						
		F	7	46	11						
114	Mar. 3	S	8	46	16.0						
		F	8	46	58						
115	Mar. 3	eP	8	58	29.9				319		
		S	8	59	12.9						
		F	9	0	56						
116	Mar. 3	eP	9	3	47.3				343		
		S	9	4	33.5						
		F	9	5	45						
117	Mar. 3	eP	9	19	28.4				461		
		eS	9	20	30.5						
		M _E	9	21	1.8	2.8	+28				
		M _N	9	21	15.9	2.8		-22			
		F	9	26	48						
118	Mar. 3	iS	9	25	42.3						
		F	9	26	21						
119	Mar. 3	eP	9	26	47.9				338		
		S	9	27	33.4						
		F	9	29	36						
120	Mar. 3	eP	9	29	17.0				320		
		S	9	30	0.1						
		F	9	32	37						
121	Mar. 3	eP	9	32	51.1						

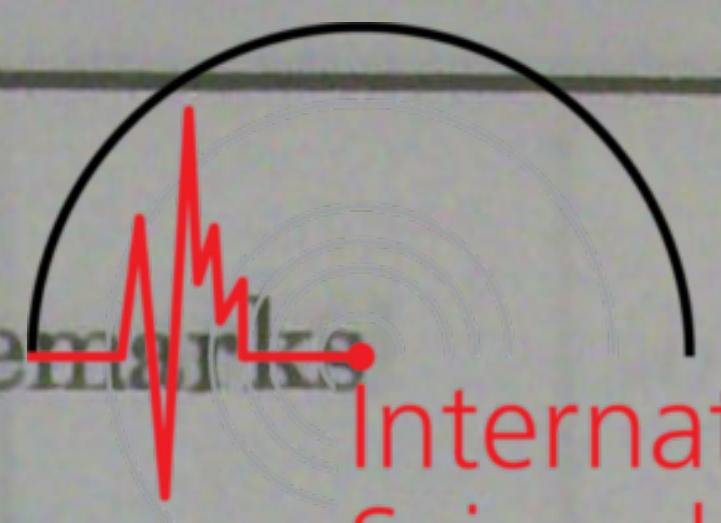
No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
122	Mar. 3	F	9	33	42					338	
		eP	9	45	18.8						
		S	9	46	4.3						
123	Mar. 3	F	9	47	41					416	
		S	12	33	35.0						
124	Mar. 3	F	12	34	7					416	
		eP	12	34	55.1						
125	Mar. 3	eS	12	35	51.1					352	
		F	12	38	18						
		eP	12	52	16.6						
126	Mar. 3	S	12	53	4.1					336	
		F	12	55	1						
		S	13	10	51.6						
127	Mar. 3	F	13	12	9					528	
		eP	13	38	46.6						
128	Mar. 3	S	13	39	31.9	1.2	+ 8	+11		384	
		S ₁	13	39	57.7	1.5	+10	-19			
		M _E	13	40	5.3	2.9	-33				
		M _N	13	40	24.4	2.9		+28			
		M _Z	13	40	57.9	3.8			+ 9		
		F	13	52	37						
		eP	13	45	20.0						
129	Mar. 3	F	13	46	27					432	
		eP	17	15	51.1						
130	Mar. 3	S	17	16	42.9					445	
		F	17	18	25						
		eP	17	26	38.8						
131	Mar. 3	S	17	27	37.0					393	
		F	17	29	53						
		iP	18	13	55.0						
132	Mar. 3	P ₁	18	14	7.6	1.4	+ 6	+16		424	
		S	18	14	55.0	2.7	-18	+70	+33		
		M _N	18	15	20.6	2.7		+204			
		M _Z	18	15	23.8	3.5			+63		
		M _E	18	15	38.9	2.7	-170				
		C	18	26	5						
		F	18	37	35						
133	Mar. 3	S	18	28	15.3					424	
		F	18	29	15						
134	Mar. 3	eP	18	30	11.8					424	
		S	18	31	4.7						
		F	18	33	0						
135	Mar. 3	eP	18	39	19.1					424	
		F	18	39	54						
136	Mar. 3	eP	18	39	47.3					341	
		iP	18	39	51.8						
		P ₁	18	40	10.5	1.3	+11	+33			
		S	18	40	44.4	2.1	+10				
		S ₁	18	40	57.0	2.7	+37	-27	-11		
		M _N	18	41	30.2	2.7		-85			
		M _E	18	42	0.2	4.0	+85				
		M _Z	18	42	38.8	3.7			+15		
		C	18	47	51						
		F	18	53							
137	Mar. 3	eP	18	53	47.7					510	
		F	18	56	22						
137	Mar. 3	eP	19	4	10.5					341	
		S	19	4	56.5						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
138	Mar. 3	S ₁	19	4	19.3					339 532	
		M _N	19	7	12.3	1.9		-35			
		M _E	19	7	28.0	2.4	-48				
		M _Z	19	7	44.6	2.5			-10		
		F	19	13	21						
		eP	19	33	21.4						
		S	19	34	7.1						
		S ₁	19	34	33.1	1.7	+6				
		M _N	19	34	43.1	2.5		-33			
		M _E	19	35	3.1	2.5	+26				
139	Mar. 3	F	19	40	16					53	Felt moderately. Kasima-nada.
		iP	20	46	50.9	0.6	+41	+18	+105		
		S	20	46	58.0	1.4	+179	+97	+35		
		M _N	20	46	59.1	1.4		+324			
		M _E	20	47	0.9	1.1	+320				
		M _Z	20	47	2.1	0.7			+54		
140	Mar. 3	F	20	51	26						
		S	20	53	4.9						
141	Mar. 3	F	20	55	25					358	
		eP	20	57	40.7						
142	Mar. 3	S	20	58	29.0						
		M _N	20	59	2.3	2.6		-43			
		M _E	20	59	11.4	2.9	-30				
		C	21	2	46						
		F	21	8	51						
143	Mar. 3	eP	21	14	50.3					352	
		S	21	15	37.8						
		F	21	21	0						
144	Mar. 4	eP	21	21	47.8					332	
		S	21	22	32.6						
		F	21	27	18						
145	Mar. 4	eP	0	3	20.9					408	
		iP	0	3	32.5						
		S	0	4	15.9						
		M _{N1}	0	4	42.0	1.6		-28			
		M _E	0	4	46.4	2.6	-33				
		M _{N2}	0	5	46.0	2.6		+28			
		F	0	9	21						
		eP	0	8	25.1						
		M _Z	0	9	4.1	2.0			+8		
		S	0	9	16.1	1.4	-11	+11			
		S ₁	0	9	26.7	1.4	-9				
		M _{N1}	0	9	41.4	1.6		+49			
		M _{N2}	0	10	4.0	1.6		+49			
		M _E	0	10	21.6	2.7	-49				
146	Mar. 4	C	0	12	42					430	
		F	0	19	5						
		eP	0	51	54.2						
		S	0	52	52.2						
		S ₁	0	53	13.8	2.3	+9	+14			
		M _N	0	53	15.8	2.3		+19			
		M _E	0	53	21.6	2.3	-25				
		F	1	0	14						
		iP	1	12	55.9						
		iS	1	13	49.9	0.9	+8	+5			
147	Mar. 4	M _E	1	13	55.8	0.9	-15			401	
		M _N	1	13	59.6	0.9		-16			
		F	1	23	50						



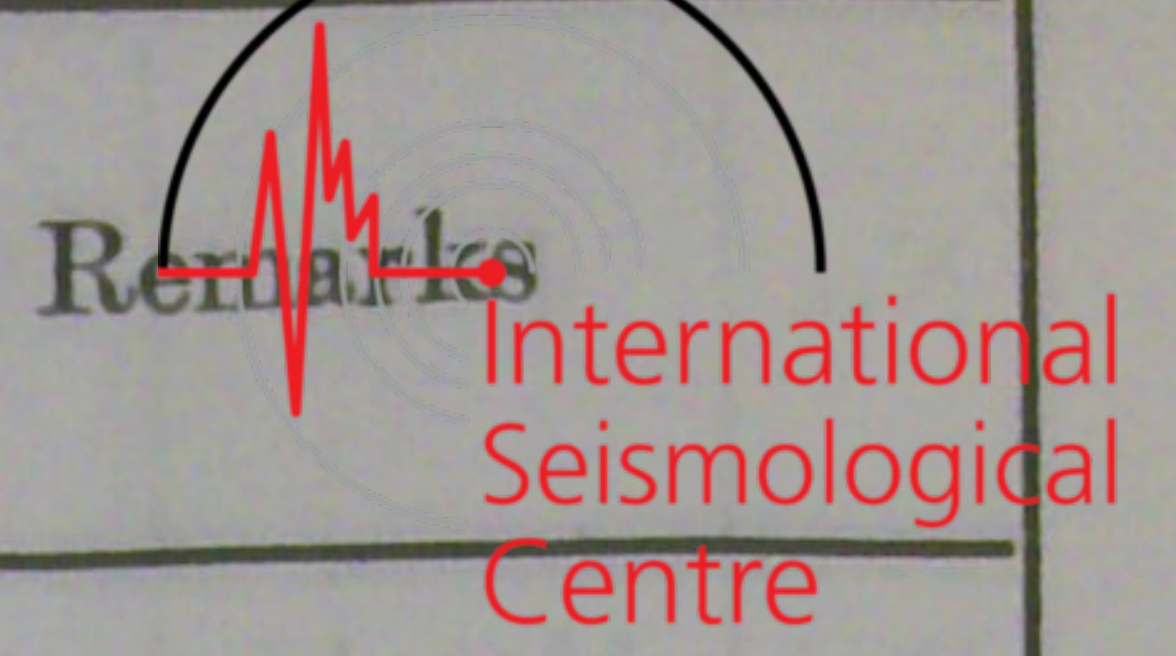
No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
148	Mar. 4	iP	2	12	28.1	0.4	-13	+13	27		
		iS	2	12	31.7						
		M _{EN}	2	12	38.2						
149	Mar. 4	F	2	13	55				452		
		eP	3	48	28.0						
		S	3	49	28.9						
150	Mar. 4	F	3	59	18				349		
		eP	4	8	34.9						
		S	4	9	21.9						
		S ₁	4	9	25.8	2.5		-45			
		M _N	4	9	56.8						
		M _E	4	9	59.6						
151	Mar. 4	F	4	17	5	2.5	-39				
		eP	4	51	46.2						
		S	4	52	30.7						
152	Mar. 4	S _{1E}	4	52	47.2						
		S _{1N}	4	52	57.2						
		F	4	57	56						
153	Mar. 4	eP	5	12	33.8						
		F	5	14	58						
		eP	5	21	30.7						
154	Mar. 4	S	5	22	22.1	1.6	+17	+23	381		
		S ₁	5	22	36.2						
		M _N	5	22	44.1						
155	Mar. 4	M _E	5	22	57.0	1.6			506		
		F	5	29	11						
		eP	7	32	6.6						
156	Mar. 4	F	7	34	25						
		S	8	47	9.6						
		F	8	48	10						
157	Mar. 4	eP	15	46	12.5				393		
		S	15	47	5.5						
		F	15	51	33						
158	Mar. 4	eP	17	22	50.1				361		
		S	17	23	38.7						
		F	17	25	25						
159	Mar. 4	eS	19	20	18.1						
		F	19	22	0						
		iP	21	41	16.0						
160	Mar. 4	iS	21	42	5.8	0.8	-6	+8	370		
		M _E	21	42	7.4						
		M _N	21	42	13.6						
161	Mar. 5	F	21	45	16						
		iP	22	54	57.1						
		S	22	55	2.6						
162	Mar. 5	F	22	55	10				41		
		eP	1	5	44.8						
		F	1	6	6						
163	Mar. 5	eP	5	28	42.7				404		
		S	5	29	37.1						
		F	5	31	55						
164	Mar. 5	S	7	15	34.0						
		F	7	17	33						
		eP	10	27	18.8						
165	Mar. 5	S	10	28	4.4				338		
		F	10	29	13						
		F	10	29	13						



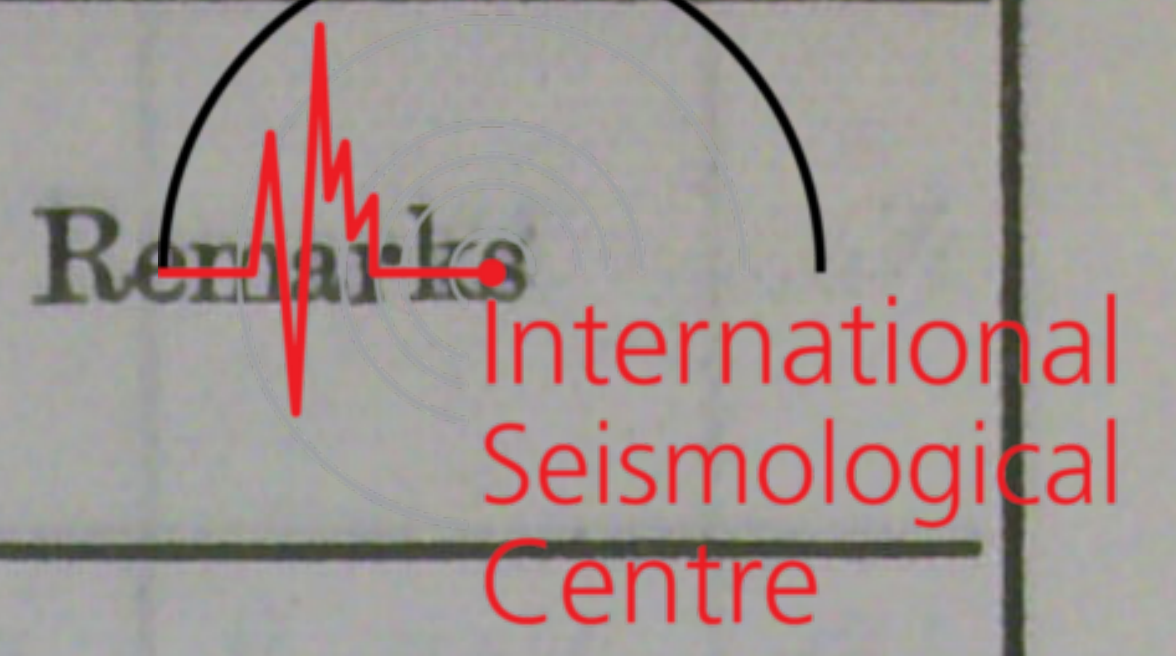


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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
166	Mar. 6	eP	5	48	8.4				426		
		S	5	49	5.8						
		F	5	51	28						
167	Mar. 6	iS	12	0	31.8						
		F	12	1	16						
168	Mar. 6	iS	13	3	25.5						
		F	13	4	55						
169	Mar. 6	iP	14	0	12.6						
		F	14	1	36						
170	Mar. 6	iP	16	53	54.2				306		
		S	16	54	35.4						
		F	16	55	54						
171	Mar. 6	eP	17	58	14.6				312		
		S	17	58	56.6						
		F	18	0	43						
172	Mar. 7	iS	15	15	58.0						
		F	15	16	33						
173	Mar. 7	eP	16	25	21.0				306		
		S	16	26	2.3						
		F	16	27	26						
174	Mar. 8	eP	2	4	2.3				404		
		S	2	4	56.7						
		F	2	5	39						
175	Mar. 8	eP	2	40	53.7				398		
		S	2	41	47.4						
		F	2	43	16						
176	Mar. 8	eP	7	22	39.1				387		
		S	7	23	31.2						
		F	7	26	37						
177	Mar. 8	iP	10	36	52.4				387		
		S	10	37	44.5						
		S ₁	10	38	6.6						
		M _N	10	38	15.3	2.5		-43			
		M _E	10	38	41.6	2.9	-30				
		F	10	43	17						
178	Mar. 8	eP	12	31	52.2				353		
		S	12	32	39.7						
		F	12	33	44						
179	Mar. 8	eP	21	43	13.3				484		
		S	21	44	18.5						
		F	21	46	35						
180	Mar. 8	S	22	25	28.0						
		F	22	26	24						
181	Mar. 8	eP	22	49	9.4				302		
		S	22	49	50.1						
		F	22	52	29						
182	Mar. 9	S	0	14	50.8						
		F	0	15	11						
183	Mar. 9	S	5	18	35.8						
		F	5	19	29						
184	Mar. 9	eP	14	35	24.7				364		
		S	14	36	13.7						
		F	14	37	49						
185	Mar. 9	iP	15	40	20.7				47		
		S	15	40	27.0	0.9	-3	+11			
		M _N	15	40	31.6	1.3		+24			
		M _E	15	40	34.1	1.3	-26				
		F	15	42	37						

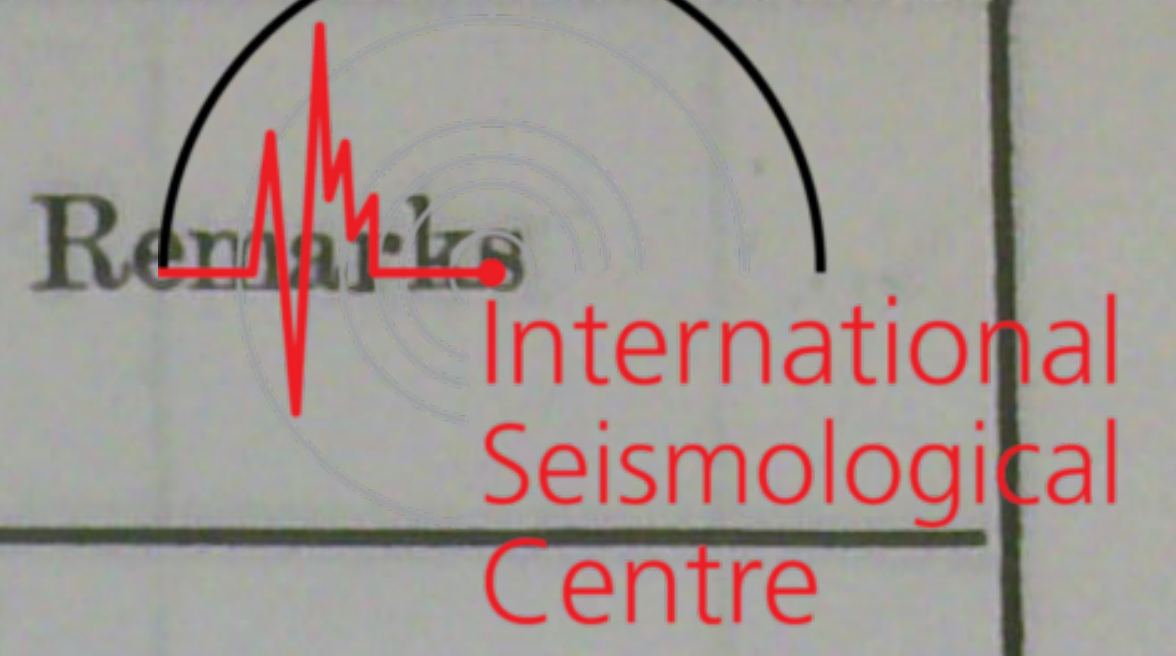


No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
186	Mar. 9	eP	18	56	33.8				395		
		S	18	57	27.1						
		F	18	59	34						
187	Mar.10	iP	16	36	12.6				349		
		S	16	36	59.6						
		F	16	39	26						
188	Mar.10	eP	20	24	30.1						
		F	20	25	40						
189	Mar.10	S	21	34	1.1						
		F	21	34	31						
190	Mar.11	iP	0	53	37.6				32		
		S	0	53	41.9						
		F	0	54	0						
191	Mar.11	eL	23	25	47.5						
		M _N	23	27	32.7	12.9		-100			
		M _E	23	31	35.7	14.0	+108				
		F	0	17							
192	Mar.12	iP	4	34	51.0	2.8	+ 5	+11	+10	724	
		iS	4	36	28.5	2.8	-31	-38	+21		
		M _E	4	36	33.7	4.9	-250				
		M _Z	4	36	37.9	3.8			+23		
		M _N	4	36	40.3	3.8			-156		
		F	4	50							
193	Mar.12	eP	4	43	17.7						
		F	4	45	40						
194	Mar.12	eP	9	42	25.0				375		
		S	9	43	15.5						
		F	9	44	37						
195	Mar.12	S	12	29	17.8						
		F	12	29	40						
196	Mar.12	eP	14	7	4.9				358		
		S	14	7	53.2	1.5		- 5			
		M _E	14	9	2.0	2.9	+14				
		M _N	14	9	11.6	2.9					-30
		F	14	13	40						
197	Mar.12	S	17	47	9.6						
		F	17	47	41						
198	Mar.12	iP	17	52	6.9				22		
		S	17	52	9.8						
		F	17	52	25						
199	Mar.13	S	7	26	2.0	1.2	- 3	- 8			
		F	7	27	11						
200	Mar.13	iP	16	15	21.9	1.3			+ 3	109	
		P ₁	16	15	27.3				129		
		S _N	16	15	36.6	1.5			+12		
		S _E	16	15	39.3	1.2	-27				
		M _N	16	15	47.4	1.8			-88		
		M _E	16	15	59.5	2.1	-161				
		M _Z	16	16	29.8	3.0			-27		
		F	16	29	22						
201	Mar.14	eP	0	58	11.6				360		
		S	0	59	0.1						
		F	1	0	48						
202	Mar.14	eP	2	38	26.6				349		
		S	2	39	13.6						
		F	2	39	37						
203	Mar.14	S	6	5	18.5						
		F	6	6	0						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
204	Mar.14	eP	8	17	48.9				279		
		S	8	18	26.5						
		F	8	20	11						
205	Mar.14	eP	13	28	40.3				628		
		S	13	30	4.9						
		F	13	31	35						
206	Mar.14	iP	20	43	43.7				58		
		S	20	43	51.5						
		F	20	44	20						
207	Mar.14	eP	21	59	51.2				355		
		iP	22	0	7.2						
		S	22	0	39.1						
		F	22	6	31						
208	Mar.15	iP	1	5	56.6				406		
		P ₁	1	6	10.0						
		S	1	6	51.3						
		S ₁	1	7	10.2						
		F	1	10	9						
209	Mar.15	eP	2	24	31.1						
		F	2	25	30						
210	Mar.15	S	11	13	23.7						
		F	11	13	44						
211	Mar.16	eP	2	32	27.2				441		
		iP	2	32	36.9						
		S	2	33	26.6						
		F	2	36	5						
212	Mar.16	iP	4	5	21.7				50		
		S	4	5	28.4	0.5	- 2	- 5			
		M _E	4	5	36.1	0.5	+12				
		M _N	4	5	38.8	0.5		+16			
		F	4	7	12						
213	Mar.16	S	8	0	34.6						
		F	8	1	9						
214	Mar.16	eP	18	5	57.2				466		
		S	18	7	0.0						
		F	18	9	9						
215	Mar.16	eP	18	22	29.2				406		
		S	18	23	23.9						
		F	18	25	19						
216	Mar.18	eP	1	0	38.8						
		L	1	4	57.5						
		F	1	21							
217	Mar.18	L	4	47	43.0						
		F	5	10							
218	Mar.18	iP	12	38	2.0				27		
		S	12	38	5.7						
		F	12	38	26						
219	Mar.18	iP	20	46	33.7				62		
		S	20	46	42.0						
		F	20	47	11						
220	Mar.19	iP	0	52	29.8				282		
		S	0	53	7.8	2.5	+20	-16	+ 3		
		M _N	0	53	25.1	2.5		+43			
		M _E	0	53	28.6	3.0	-46				
		M _Z	0	53	33.6	3.6			+10		
		F	1	0	45						
221	Mar.19	eP	6	26	28.5				521		
		S	6	27	38.8						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.
			h.	m	s.		AE μ	AN μ	AZ μ	
222	Mar.19	M _N	6	27	51.7	2.3		-12		332
		F	6	29	49					
		cP	7	50	16.5					
		S	7	51	1.3					
223	Mar.19	F	7	52	3					
		S	8	49	8.1					
224	Mar.20	F	8	49	38					
		S	5	12	35.8					
225	Mar.20	F	5	12	48					
		S	19	39	7.2					
226	Mar.20	F	19	40	3					
		cP	21	34	41.4				280	
227	Mar.21	S	21	35	19.1					
		F	21	36	2					
		cP	23	34	57.8					
228	Mar.22	F	23	35	33					
		eP	0	54	45.1				236	
229	Mar.22	iP	0	54	59.3					
		S	0	55	16.9	1.1	+ 6	-19		
		M _N	0	55	21.5	0.9		+21		
		M _E	0	55	34.8	1.7	-23			
		F	0	57	50					
		eP	2	11	25.0				87	
		iP	2	11	31.3					
		S	2	11	36.7	1.0	-14			
230	Mar.22	M _N	2	11	41.1	1.6		-36		
		M _E	2	11	50.6	1.9	-36			
		F	2	14	0					
		cP	8	26	42.6				232	
		S	8	27	13.9					
		F	8	28	13					
		S	10	2	35.6					
		F	10	2	52					
231	Mar.22	S	16	22	34.4					
		F	16	23	11					
233	Mar.23	F	16	23	11					
		iP	1	57	20.1	0.9	- 4	- 5	- 3	96
		P ₁	1	57	28.3					
		S	1	57	33.0	1.5	+18	+36	+ 8	
		M _E	1	57	35.0	1.5	+199			
		M _Z	1	57	38.4	1.0			+29	
		M _N	1	57	39.1	1.5		-94		
		F	2	0	45					
234	Mar.23	cP	18	8	24.7				280	
		S	18	9	2.4					
		F	18	10	53					
235	Mar.23	cP	21	44	5.0				378	
		cS	21	44	55.9					
236	Mar.24	F	21	47	7					
		cP	0	29	57.7				85	
		S	0	30	9.2					
237	Mar.25	F	0	31	4					
		iP	9	50	22.3	0.8			+ 5	65
		S	9	50	31.1	1.6	-17	-38	+ 8	
238	Mar.25	M	9	50	32.3	1.6	+39	+51	-22	
		F	9	52	12					
		cP	13	37	27.6				117	
		S	13	37	43.4					
238	Mar.25	F	13	38	35					



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
239	Mar.25	eP	16	52	55.4	0.6	-12	+ 8		26	
		S	16	52	58.9						
		F	16	53	16						
240	Mar.25	eP	23	49	17.9						
		F	23	49	43						
241	Mar.26	eP	16	54	2.6						
		F	16	54	44						
242	Mar.26	eP	19	57	45.2					275	
		S	20	0	32.3						
		F	20	1	57						
243	Mar.26	S	20	13	33.2						
		F	20	13	58						
244	Mar.27	iP	17	58	26.5	1.0				44	
		S	17	58	32.4						
		M _N	17	58	36.1						
		M _E	17	58	38.0						
		F	17	59	54						
245	Mar.28	S	8	50	2.7						
		F	8	50	45						
246	Mar.29	eP	1	33	54.2					122	
		S	1	34	10.7						
		F	1	34	40						
247	Mar.29	eP	22	14	18.1					42	
		S	22	14	23.8						
		F	22	16	2						
248	Mar.30	eP	21	54	2.2					252	
		S	21	54	32.6						
		F	21	55	36						
249	Mar.31	iP	18	3	45.4	0.7	+ 36	+ 18	± 7	126	
		S	18	3	56.1						
		F	18	5	39						
250	Apr. 2	eP	1	0	13.6	3.9	-42			482	
		S	1	1	18.5						
		M _E	1	1	56.3						
		M _N	1	2	45.5						
		F	1	17	34						
251	Apr. 2	eP	1	10	6.7						
		F	1	12	19						
252	Apr. 2	iP	7	42	8.8	1.3	- 5	+ 5		408	
		S	7	43	3.8	1.6	+12	-11			
		M _N	7	43	8.6	1.6		-26			
		M _E	7	43	20.2	1.6	-17				
		F	7	50	59						
253	Apr. 2	S	16	34	37.3						
		F	16	35	9						
254	Apr. 2	eP	18	44	47.5					273	
		S	18	45	24.3						
		F	18	46	23						
255	Apr. 2	iP	18	52	57.8	1.2	+ 2	-16	+ 35	67	Felt slightly. Mouth of the river Kuji.
		S	18	53	7.6	1.4	+178	- 98			
		M _E	18	53	8.3	1.5	-320				
		M _Z	18	53	11.6	1.0			-120		
		M _N	18	53	19.8	1.5		-300			
		F	19	0	28						
256	Apr. 2	eP	19	11	49.1					400	
		S	19	12	43.0						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
257	Apr. 3	M _E	19	13	10.0	1.3	-10			319	
		M _N	19	13	14.3	2.2		-16			
		F	19	18	14						
		eP	1	53	16.7						
258	Apr. 3	S	1	53	59.1					82	
		F	1	56	37						
		eP	10	53	45.6						
		iP	10	53	52.0						
259	Apr. 3	S	10	53	56.6					526	
		M _N	10	54	0.4	0.6		-21			
		M _E	10	54	11.6	0.8	-22				
		F	10	56	50						
260	Apr. 3	P	17	11	17.4					75	
		S	17	12	28.3						
261	Apr. 4	F	17	13	53					53	
		eP	19	36	2.7						
		S	19	36	12.8						
262	Apr. 5	F	19	37	0					75	
		iP	4	14	46.6	0.8	-5	-3	+3		
263	Apr. 5	S	4	14	53.8	1.0	-14	-24	-3	45	
		F	4	16	27						
264	Apr. 5	S	6	11	16.9					74	
		F	6	11	33						
265	Apr. 5	iP	16	37	45.2	0.4	±4	-3		48	
		S	16	37	56.1	0.5	-12	-13			
		F	16	39	21						
		eP	19	57	21.8						
266	Apr. 5	S	19	57	27.9					346	
		F	19	58	1						
		eP	21	6	17.4						
		iP	21	6	21.7						
267	Apr. 7	S	21	6	27.4	1.1	-6	-10		74	
		M _N	21	6	29.4	1.1		-19			
		M _E	21	6	32.6	0.9	-12				
		F	21	8	14						
268	Apr. 7	P	22	53	17.3					260	
		S	22	53	23.7						
		F	22	53	53						
		P	0	13	3.7						
269	Apr. 8	S	0	13	50.3	0.9	+8	-8	+3	482	
		M _Z	0	13	51.5	0.9			-7		
		M _N	0	13	55.4	1.5		+20			
		M _E	0	14	1.4	1.5	+22				
270	Apr. 9	F	0	17	4					74	
		P	5	42	37.6						
		S	5	42	47.9						
270	Apr. 9	F	5	44	1					260	
		eP	1	14	39.5						
270	Apr. 9	S	1	15	14.5					482	
		F	1	16	50						
		eP	11	47	42.5						
		iP	11	47	45.3						
		P ₁	11	47	57.7						
		S	11	48	47.5	3.3	-39	+73	+14		
		M _E	11	49	20.2	3.5	-192				
M _Z	11	49	29.5	3.4			+54				
M _N	11	49	57.5	4.7			+236				
		C	12	4							

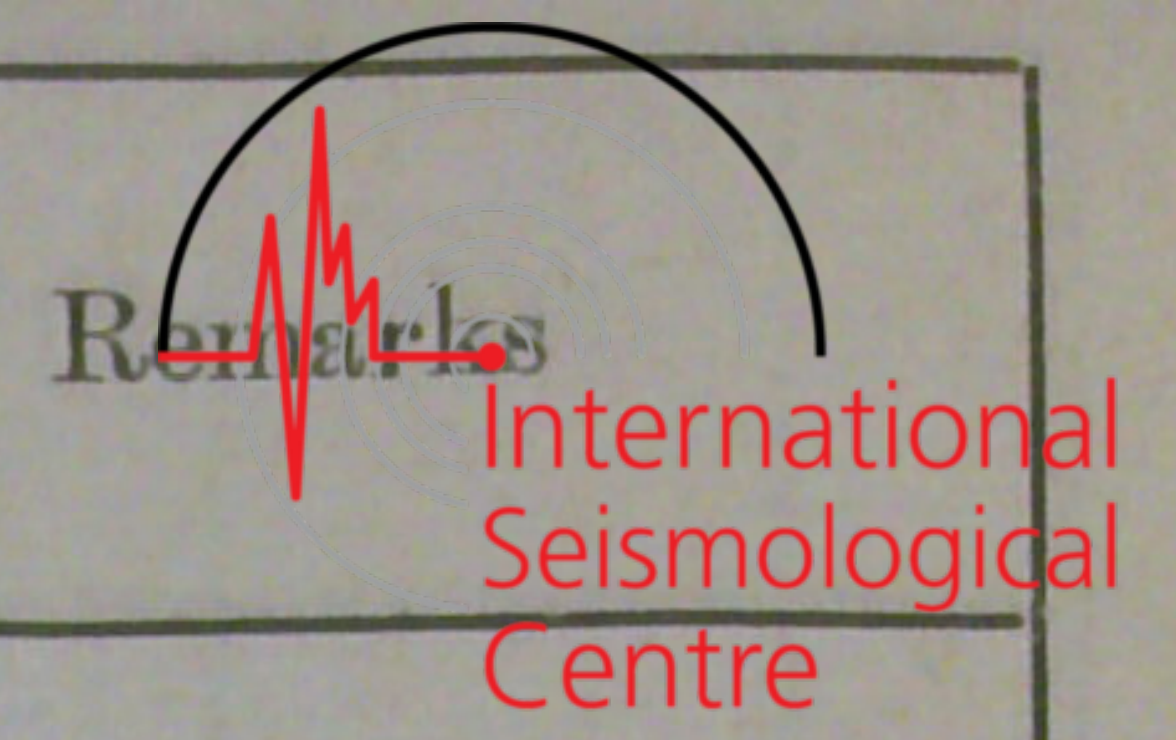




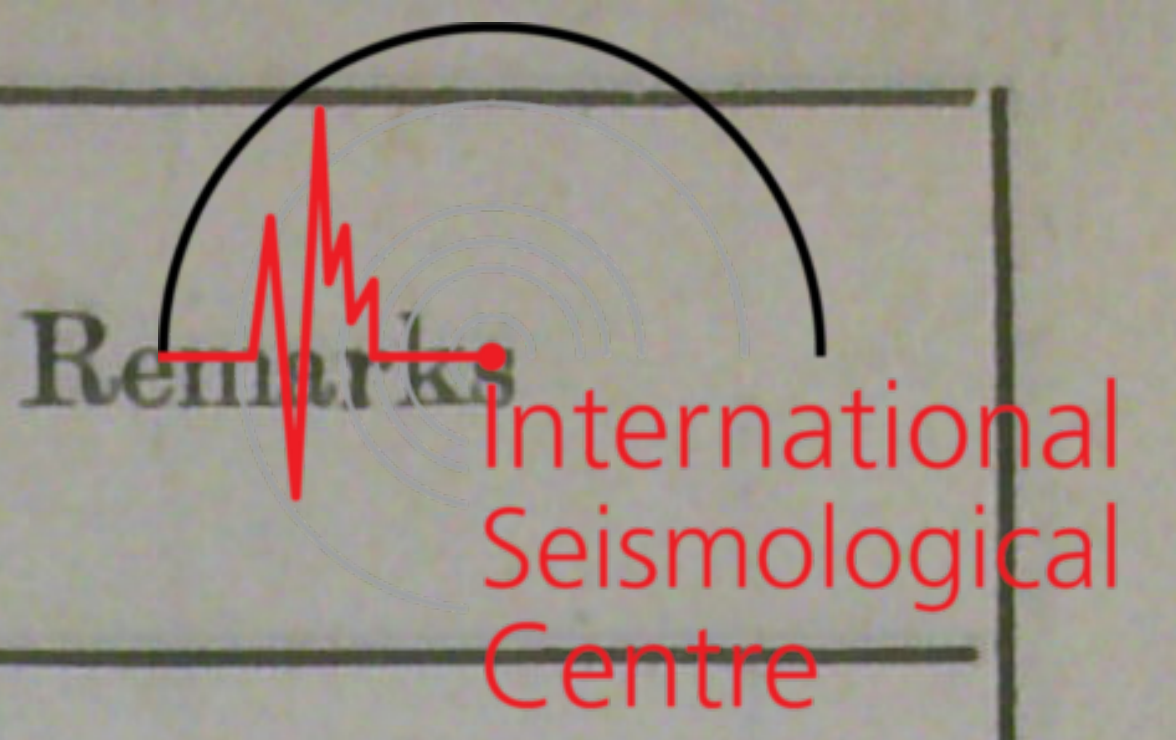
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No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
271	Apr. 9	F	12	30					472		
		eP	11	58	21.3						
		S	11	59	24.8	1.6	+ 20	+ 20			
		M _N	11	59	46.0	2.6		- 43			
272	Apr. 9	M _E	11	59	51.3	2.1	+ 23		543		
		F	12	8	57						
		eP	15	29	2.0						
		S	15	30	15.1	2.1	+ 3	+ 7			
273	Apr. 9	F	15	33	22				535		
		eP	17	28	47.6						
		S	17	29	59.7						
274	Apr. 9	F	17	31	37				469		
		eP	19	31	27.3						
		iP	19	31	42.8	2.6	+ 5	- 6			
		S _N	19	32	30.4	2.3		- 27			
		S _E	19	32	41.0	2.6	+ 24				
		M _E	19	32	55.2	2.6	- 62				
		M _N	19	33	22.2	2.6		- 67			
M _Z	19	33	38.5	2.5			+ 15				
275	Apr. 10	F	19	41					464		
		eP	8	50	52.2						
		S	8	51	54.7						
276	Apr. 10	F	8	53	47				59		
		P	19	28	43.5						
		S	19	28	51.4						
277	Apr. 10	F	19	29	21				412		
		eP	21	49	44.0						
		S	21	50	39.5						
278	Apr. 11	F	21	51	34						
		S	22	29	21.0						
		F	22	29	45						
279	Apr. 12	eP	16	36	59.6				484		
		S	16	38	4.8						
		F	16	40	0						
280	Apr. 13	eP	8	33	16.3				63		
		S	8	33	24.8						
		F	8	33	44						
281	Apr. 14	eP	0	54	41.0				354		
		S	0	55	28.6						
		F	0	56	51						
282	Apr. 14	eP	14	24	34.0				85		
		S	14	24	45.5						
		F	14	25	24						
283	Apr. 15	eP	7	23	57.5				104		
		S	7	24	11.5						
		F	7	25	31						
284	Apr. 15	P	14	56	7.1				87		
		S	14	56	18.8						
		F	14	57	16						
285	Apr. 15	eP	20	10	6.5				393		
		S	20	10	59.5						
		F	20	12	45						
286	Apr. 16	eP	13	49	32.3						
		F	13	49	54						
287	Apr. 17	eP	1	21	42.2				323		
		S	1	22	25.7						
		F	1	23	25						
288	Apr. 17	S	2	2	4.4						

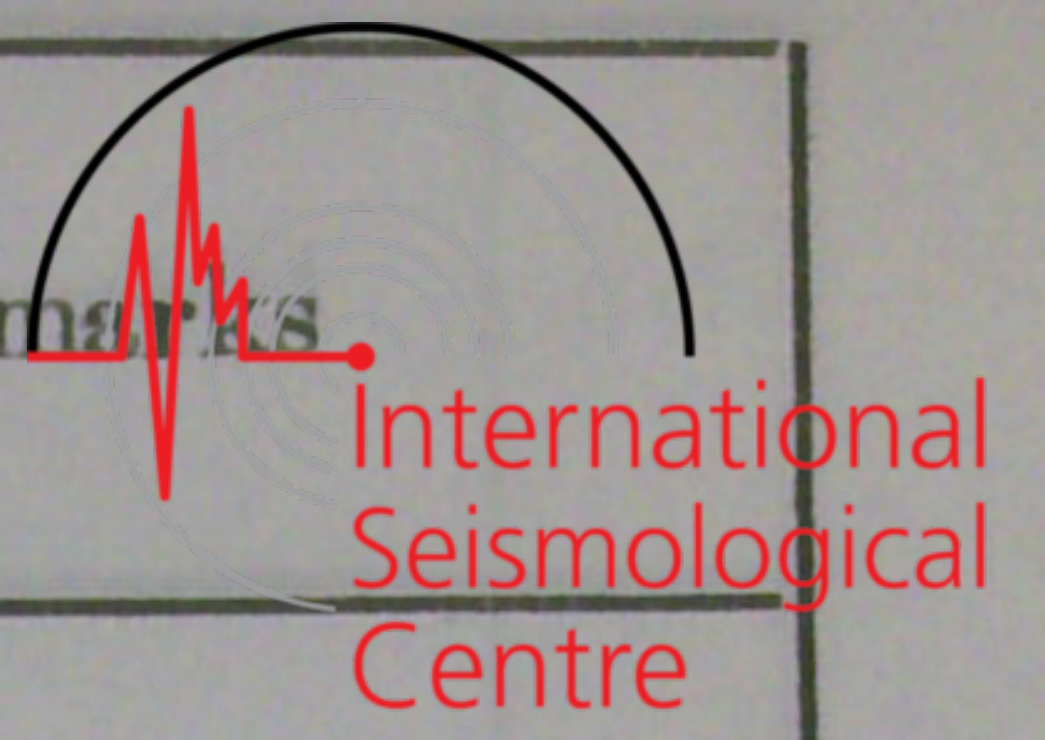
No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
289	Apr.17	F	2	2	56					42	
		P	2	39	23.6						
		S	2	39	29.2						
290	Apr.19	F	2	40	19					428	
		P	11	56	48.4						
		S	11	57	46.0	1.0	-15	+19			
		M _E	11	57	59.3	1.3	+21				
291	Apr.20	F	12	4	3					438	
		eP	5	59	19.7						
		S	6	0	18.7						
292	Apr.20	F	6	1	46					30	
		iP	12	41	57.3	0.5	+4	+2			
		S	12	42	1.4	0.5	-9	+19			
		M _{EN}	12	42	6.5	0.5	+22	-26			
293	Apr.21	F	12	43	22						
		eP	3	22	0.2						
294	Apr.21	F	3	23	5						
		eP	5	51	47.4						
295	Apr.21	F	5	53	4					40	
		eP	13	39	45.2						
		S	13	39	50.6	0.8	+5	+24			
296	Apr.22	F	13	40	23					126	
		eP	5	40	20.6						
		S	5	40	37.6	1.0	-17	+16	+9		
		M _E	5	40	47.1	1.0	-38				
		M _Z	5	40	52.9	1.0			-17		
		M _N	5	40	57.6	1.0		+62			
297	Apr.22	F	5	47	1					39	
		P	15	8	59.8						
		S	15	9	5.0						
298	Apr.22	F	15	9	55					510	
		eP	17	52	44.4	0.5			+3		
		iP	17	52	59.7	1.3	+2	+8			
		S	17	53	53.1	0.8	-4	-3			
		S ₁	17	54	29.2	1.6	+6	+14			
		M _E	17	54	30.5	1.9	-9				
299	Apr.22	F	17	56	11					88	
		eP	19	42	33.3						
		S	19	42	45.2						
300	Apr.22	F	19	43	35					131	
		eP	20	54	24.7						
		S	20	54	42.4						
301	Apr.23	F	20	55	7					435	
		eP	16	14	45.7						
		S	16	15	44.4	2.3	-39	+35	+22		
		M _E	16	17	20.2	6.0	-288				
		M _N	16	17	39.9	6.0		+255			
		M _Z	16	18	2.6	5.0			+87		
302	Apr.23	C	16	35	16					497	
		F	17	8							
		P	17	27	1.9						
		eS	17	28	8.9						
		iS	17	28	18.9	2.5	+18	+14			
		M _{EN}	17	29	1.6	2.5	-25	-34			
		M _Z	17	29	26.3	2.5			-10		
303	Apr.23	C	17	33	12					39	
		F	17	42							
		iP	20	40	8.3						



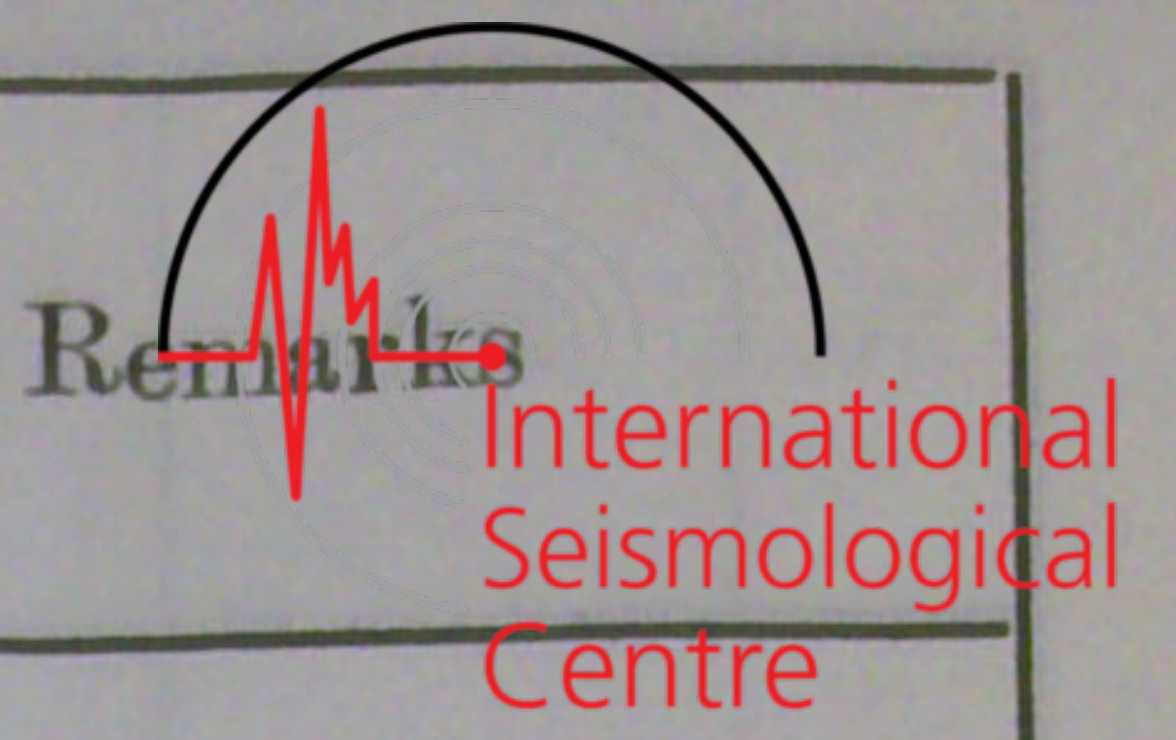
No.	Date	Phase	Time			Period	Amplitude			Δ km.	Remarks
			135° E				AE	AN	AZ		
			h.	m	s.		μ	μ	μ		
304	Apr.23	S	20	40	13.5				420		
		F	20	40	29						
		eP	21	20	52.9						
		S	21	21	49.4						
		S ₁	21	22	3.2						
305	Apr.24	F	21	26	53						
		eP	2	37	16.6						
306	Apr.24	F	2	37	55						
		eP	5	37	10.5						
307	Apr.24	F	5	37	48				143		
		P	13	35	52.2						
308	Apr.25	S	13	36	11.4				430		
		F	13	38	2						
		eP	10	58	38.8						
		S	10	59	36.7						
		S ₁	10	59	47.6						
309	Apr.25	M _E	10	59	54.1	1.2	-13		53		
		M _N	11	0	11.7	1.9		-20			
		F	11	3	47						
		P	17	25	39.8						
		S	17	25	46.9						
310	Apr.27	F	17	26	34				5425		
		eP	11	45	4.3						
		L	11	57	3.7						
311	Apr.27	F	12	37					29		
		iP	13	31	36.3						
		S	13	31	40.2						
312	Apr.27	F	13	31	56				153		
		eP	15	33	15.6						
		S	15	33	36.2						
313	Apr.28	F	15	34	33				79		
		iP	11	55	1.0						
		S	11	55	11.6						
314	Apr.28	F	11	55	35				95		
		eP	16	31	43.9						
		S	16	31	56.7	1.0	-7	-11			
		M _E	16	31	57.5	1.0	+9				
		M _N	16	32	5.0	1.0		-19			
315	Apr.30	F	16	33	21				59		
		eP	13	8	29.0						
		S	13	8	36.9						
316	May 1	F	13	9	4				39		
		iP	8	54	8.6	0.5	+1	-8			+17
		S	8	54	13.8	1.0	-23	+32			
317	May 2	F	8	55	40				826		
		eP	3	33	13.8						
		S	3	35	5.0						
318	May 2	C	3	39	19				907		
		F	3	57							
		eP	4	53	21.0						
		iP	4	53	26.6						
		S	4	55	23.2						
319	May 2	C	5	3	9				1054		
		F	5	42							
		eP	8	18	28.3						
		S	8	20	50.4						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
341	May 18	S	17	22	59.9				125		
		F	17	23	31						
		eP	9	0	33.5						
342	May 20	S	9	0	50.3						
		F	9	2	10						
		S	12	59	46.2						
343	May 21	F	13	0	27				399		
		eP	1	4	36.3						
		S	1	5	30.1						
344	May 21	F	1	6	25				408		
		eP	4	10	17.3						
		S	4	11	12.3						
345	May 21	F	4	13	37				376		
		eP	4	15	12.0						
		S	4	16	2.6						
346	May 21	F	4	17	18				87		
		P	15	31	19.1						
		S	15	31	30.8						
347	May 21	F	15	33	30				1640		
		eP	20	56	53.3						
		P ₁	20	57	55.3						
348	May 22	L	20	59	13.9						
		F	21	8	23						
		eP	7	1	10.6						
349	May 22	F	7	2	0				67		
		P	23	21	10.1						
		S	23	21	19.1						
350	May 23	F	23	22	34				579		
		eP	0	30	56.1						
		S	0	32	14.1						
351	May 24	F	0	33	53				316		
		eP	8	35	6.6						
		S	8	35	49.1						
352	May 24	F	8	37	33				942		
		eP	13	38	34.5						
		S	13	40	41.5						
353	May 24	F	13	43	35				271		
		eP	19	39	30.2						
		S	19	40	6.7						
354	May 25	M _N	19	40	17.9	1.4		+17	55		
		M _E	19	40	23.6	2.1	+23				
		F	19	44	55						
		iP	15	52	37.3	0.5	+1	+3			-5
		S	15	52	44.7	1.3	-16	-7			+5
		M _E	15	52	50.1	1.3	+50				
355	May 25	M _N	15	52	51.6	1.3		+38	54		
		M _Z	15	52	57.6	1.0					-12
		F	15	55	5						
		eP	19	54	34.1						
		S	19	54	41.3						
		F	19	55	17						
356	May 26	P	1	40	39.6				132		
		S	1	40	57.9						
		M _{EN}	1	40	58.9	1.0	-9	-10			
357	May 26	F	1	42	26				121		
		eP	3	47	48.4						
		S	3	48	4.7						
		F	3	48	41						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE	AN	AZ		
							μ	μ	μ		
358	May 28	eP	13	50	22.4				202		
		S	13	50	49.6						
		F	13	52	30						
359	May 29	eP	8	41	15.3				413		
		S	8	42	11.0						
		F	8	43	19						
360	May 29	eP	14	56	55.1						
		F	14	57	39						
361	May 31	S	12	17	0.0						
		F	12	17	31						
362	June 2	eP	1	13	0.0						
		F	1	14	14						
363	June 2	eP	9	0	40.7				98		
		S	9	0	53.9						
		F	9	2	7						
364	June 2	eP	12	13	34.6				82		
		S	12	13	45.6						
		F	12	14	43						
365	June 2	eP	16	41	7.1						
		F	16	59							
366	June 3	P	2	55	43.3				76		
		S	2	55	53.5						
		F	2	57	12						
367	June 3	P	13	26	23.0				78		
		S	13	26	33.5						
		F	13	27	35						
368	June 4	P	1	54	38.0				45		
		S	1	54	44.0						
		M _{EN}	1	54	54.0	1.5	+40	+31			
		F	1	57	23						
369	June 4	eP	2	12	16.6				2505		
		eL	2	16	49.6						
		F	2	32							
370	June 4	S	22	54	14.8						
		F	22	54	46						
371	June 5	P	10	51	35.4				65	Felt slightly. Kasima-nada.	
		S	10	51	44.1	1.0	+175	-72			
		M _Z	10	51	49.2	0.8			-42		
		M _N	10	51	51.5	0.8		+120			
		F	10	57	52						
372	June 5	eP	11	1	25.4				64		
		S	11	1	34.0						
		F	11	2	11						
373	June 6	eP	11	35	13.0				2940		
		eL	11	40	52.5						
		F	11	48							
374	June 6	P	15	47	2.2				721		
		S	15	48	39.3						
		F	15	52	12						
375	June 8	eP	3	0	35.7				50		
		S	3	0	42.5						
		F	3	1	5						
376	June 8	eP	20	3	42.0				89		
		S	20	3	54.0						
		F	20	4	37						
377	June 8	P	21	58	12.2				66		



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
378	June 9	S	21	58	21.1					435	
		F	21	59	27						
		P	3	12	2.2						
		S	3	13	0.9	1.3	-11	+17			
		M _E	3	15	47.8	6.8	+53				
		M _N	3	15	50.1	6.8		+57			
		C	3	23	32						
379	June 9	F	3	37						57	
		eP	4	38	22.1						
		S	4	38	29.7						
380	June 11	F	4	39	0					29	
		P	13	6	3.5						
381	June 13	S	13	6	7.4	0.4	+26	+16	-5	353	
		F	13	6	55						
382	June 13	P	6	9	13.6					40	
		P ₁	6	9	23.1						
		P ₂	6	9	47.5						
		S	6	10	1.1	2.2	-54	+34			
		M _N	6	10	16.5	2.2		-57			
		M _Z	6	10	40.4	3.0			+21		
		C	6	16	23.0						
383	June 13	F	6	24						37	
		P	15	26	8.2						
		S	15	26	13.6	0.5	+13	-17			
384	June 14	F	15	27	17					598	
		P	17	29	2.2						
385	June 15	S	17	29	7.2					636	
		F	17	30	2						
		P	5	35	2.6						
		S _{NZ}	5	35	23.1	2.5		+43	-7		
		S _E	5	35	28.3	2.1	-43				
		M _N	5	35	55.2	1.2		-92			
		M _E	5	37	3.0	1.5	+82				
386	June 15	M _Z	5	37	11.8	2.1			-22	39	
		C	5	46	43						
387	June 17	F	6	0						39	
		S	11	47	24.3						
388	June 17	F	11	48	11					403	
		S	16	1	28.2						
389	June 18	F	16	2	11					727	
		iP	10	47	9.4	0.5	+1	-2	+7		
		S	10	47	14.7	1.1	-12	-11			
		M _E	10	47	15.5	1.1	+38				
		M _N	10	47	16.0	0.8		-26			
390	June 19	F	10	48	47					257	Felt slightly. E-ern sea of Kinkazan.
		eP	23	3	23.2						
		S ₁	23	4	17.5						
390	June 19	S ₂	23	5	1.1					457	
		F	23	7	16						
390	June 19	P	22	12	47.1					257	Felt slightly. E-ern sea of Kinkazan.
		S	22	13	48.6	1.7	+8	-5			
390	June 19	F	22	27						257	Felt slightly. E-ern sea of Kinkazan.
		iP	6	38	19.6	5.1	+9	+13	-17		
		S	6	38	54.2	2.5	-750	+650	+109		
		M _N	6	39	10.2	2.0		+1500			
		M _Z	6	39	13.7	2.0			+355		
390	June 19	M _E	6	39	34.0	2.0	-1500			257	Felt slightly. E-ern sea of Kinkazan.
		C	7	5							



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
391	June 19	F	7	32					263		
		eP	15	18	52.3						
		S	15	19	27.7						
392	June 19	F	15	21	20						
		eP	16	14	43.9						
		F	16	15	49						
393	June 23	eP	12	0	50.7						
		F	12	2	16						
		eP	12	27	41.1						
394	June 23	S	12	28	7.1				193		
		F	12	30	5						
		eP	22	25	19.8						
395	June 23	S	22	25	58.8				289		
		F	22	27	12						
		eP	7	11	45.2						
396	June 25	eL	7	17	45.2				3074		
		C	7	22	30						
		F	8	8							
397	June 25	P	10	48	57.3				310		
		S	10	49	39.1						
		F	10	51	9						
398	June 25	eP	12	20	1.1				59		
		S	12	20	9.1						
		F	12	21	19						
399	June 28	eP	15	21	45.2				210		
		S	15	22	13.5						
		F	15	24	53						
400	June 29	P	3	51	11.7				35		
		S	3	51	16.4						
		F	3	51	25						
401	July 2	P	20	50	52.2				42		
		S	20	50	57.9						
		F	20	51	34						
402	July 2	eP	21	19	10.7				65		
		S	21	19	19.5						
		F	21	20	20						
403	July 3	eP	1	49	28.1				608		
		S	1	49	50.0						
		F	1	55	58						
404	July 3	eP	10	15	47.3				74		
		S	10	15	57.2						
		F	10	17	0						
405	July 3	P	10	21	41.1				48		
		S	10	21	47.6						
		F	10	22	51						
406	July 5	iP	10	42	43.2	0.3	± 7	- 6	+ 48	23	Felt. moderately. Off the cape of Inubo.
		S	10	42	46.3						
		M _N	10	42	46.6	0.5		- 54			
		M _E	10	42	47.1	0.5	- 56				
		F	10	44	35						
407	July 6	S	0	46	37.7						
		F	0	47	47						
408	July 6	iP	10	59	50.1	0.8	+ 6	- 2		77	
		S	11	0	0.5	1.5	- 124	- 128	+ 35		
		M _Z	11	0	3.3	1.5			- 65		
		F	11	5	16						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
409	July 6	P	23	14	50.5				28		
		S	23	14	54.3						
		F	23	15	22						
410	July 6	cP	23	26	59.2				267		
		S	23	27	35.2						
		F	23	28	31						
411	July 7	cP	12	49	2.4				104		
		S	12	49	16.4						
		F	12	50	7						
412	July 7	cP	13	17	30.8				104		
		S	13	17	44.8						
		F	13	19	15						
413	July 7	cP	13	20	16.4				102		
		S	13	20	30.2						
		F	13	21	19						
414	July 8	cP	13	34	14.8				103		
		S	13	34	28.7						
		F	13	35	11						
415	July 8	P	16	57	50.3				174		
		P ₁	16	58	4.7						
		S	16	58	13.7	1.1	+13	-12			
		M _E	16	58	23.7	1.1	-26				
		M _N	16	58	39.4	1.1		+24			
		M _Z	16	58	44.4	1.3				-7	
		F	17	4	35						
416	July 8	cP	20	18	17.7				855		
		F	20	18	40						
417	July 9	cP	10	32	52.4				855		
		S	10	34	47.6						
		L	10	38	54.5						
		C	10	56							
		F	11	20							
418	July 9	S	13	30	24.9				801		
		F	13	30	57						
419	July 9	S	18	3	32.5				801		
		F	18	4	28						
420	July 9	cP	18	30	49.6				801		
		S	18	32	37.6						
		L	18	33	33.7						
		C	18	48							
421	July 9	cP	18	51	30.9				774		
		S	18	53	15.2						
		F	19	15							
422	July 9	cP	21	33	32.4				832		
		S	21	35	24.5						
		L	21	35	55.2						
		M _E	21	39	52.2	15.8	+500				
		M _N	21	40	41.0	11.7		-330			
		C	21	59							
423	July 10	cP	1	11	47.8				813		
		S	1	13	37.3						
		F	1	28							
424	July 10	cP	4	23	37.4				755		
		S	4	25	19.2						
		F	4	25	54						
425	July 10	iP	9	22	41.0	2.2	+9	+16	-30	375	

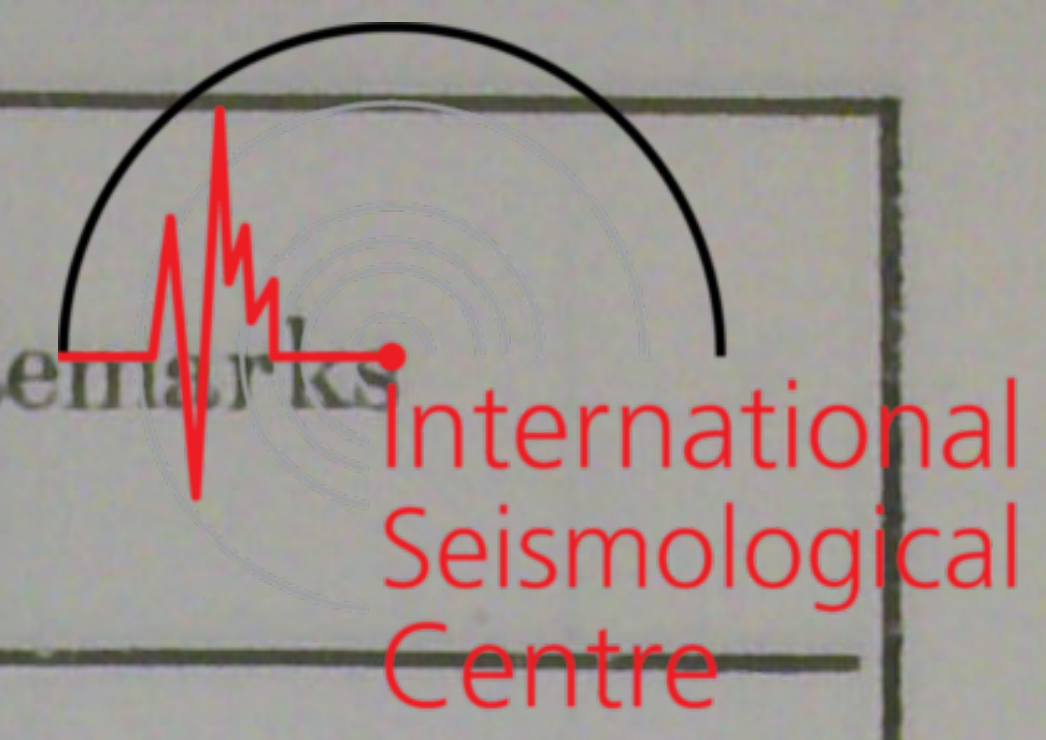
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
426	July 10	M _Z	9	22	42.7	2.2			+42	65	
		S	9	23	31.5	1.5	-37	+37	-30		
		M _E	9	24	6.3	2.4	+63				
		M _N	9	24	47.0	2.9		+69			
		F	9	37	58						
427	July 10	P	15	47	40.7						
		S	15	47	49.4						
		F	15	49	42						
428	July 10	eP	19	41	13.0						
		F	19	43	12						
429	July 11	S	20	8	32.7						
		F	20	9	2						
430	July 11	P	3	28	25.2					66	
		S	3	28	34.1	1.0	-13	-24			
		F	3	30	0						
431	July 11	eP	4	56	35.4					64	
		S	4	56	44.0						
		F	4	57	19						
432	July 11	eP	5	27	14.0					84	
		iP	5	27	21.0	0.8		+4			
		S	5	27	25.3	0.8	-6	+18			
		M _E	5	27	27.1	1.0	+24				
		M _N	5	27	39.3	1.0		+31			
433	July 11	F	5	31	12						
		eP	8	7	10.4						
434	July 11	F	8	8	6						
		S	8	34	22.5						
435	July 11	F	8	34	47						
		eP	12	26	2.6						
436	July 11	F	12	26	32						
		S	13	2	36.2						
437	July 11	F	13	3	7						
		eP	13	14	41.8						
438	July 11	F	13	15	18					75	
		eP	15	0	3.8						
		S	15	0	13.9	1.2	-48	-48			
		M _{EN}	15	0	15.6	2.4	+121	+128			
		M _Z	15	0	24.7	1.7			-35		
439	July 11	F	15	8	14					78	
		eP	15	7	59.0						
		S	15	8	9.5	1.0	-13	-13			
		M _E	15	8	16.4	1.0	-35				
		M _N	15	8	21.1	1.0		-35			
440	July 11	F	15	11	52					82	
		eP	15	50	19.3						
		S	15	50	30.4	2.0	-60	-80			
		M _E	15	50	33.1	3.4	+193				
		M _N	15	50	40.8	2.0		-190			
441	July 11	M _Z	15	50	48.4	1.9			+50		
		F	16	8	39						
442	July 11	eP	15	53	35.4						
		F	15	55	28						
443	July 11	eP	15	55	43.1						
		F	15	57	35						
443	July 11	eP	16	1	0.2						
		F	16	2	25						
443	July 11	S	16	13	18.1						
		F	16	13	55						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
444	July 11	eP	16	17	24.5					71	
		S	16	17	34.0	1.0	- 8	+ 5			
		M _N	16	17	38.1	1.0		+15			
		M _E	16	17	39.9	1.0	+21				
445	July 11	F	16	20	50					200	
		eP	16	22	28.0						
		S	16	22	55.0						
446	July 11	F	16	24	18					208	
		eP	16	28	5.7						
		S	16	28	33.7						
447	July 11	F	16	29	49						
		eP	16	29	59.9						
448	July 11	F	16	31	23					55	
		eP	16	37	15.1						
		S	16	37	22.4						
449	July 11	F	16	38	5					76	
		eP	17	30	55.1						
		S	17	31	5.4						
450	July 11	F	17	32	50					76	
		eP	18	20	8.2						
		S	18	20	18.5	1.0	-15	-20			
		M _E	18	20	29.5	1.3	+38				
451	July 11	M _N	18	20	33.4	1.3		+38		57	
		F	18	25	48						
		eP	22	54	15.5						
		S	22	54	23.7						
452	July 12	F	22	55	3					77	
		eP	6	2	42.4						
		S	6	2	52.8	1.2	-17	-18			
		M _E	6	2	56.5	1.2	-45				
		M _N	6	3	2.3	1.5		-39			
453	July 12	F	6	9	7					125	
		eP	18	29	0.9						
		S	18	29	17.7						
454	July 13	F	18	32	54					88	
		iP	3	53	32.3	1.5		+ 2	+ 3		
		S	3	53	44.1	1.2	+ 9	-32	-17		
		M _E	3	53	46.5	2.4	+64				
		M _Z	3	53	49.1	2.0			-17		
		M _N	3	53	52.6	1.2		+60			
455	July 13	F	4	3	42					74	
		eP	7	5	16.5						
		S	7	5	26.5						
456	July 13	F	7	6	16					61	
		P	15	49	1.4						
		S	15	49	9.6						
457	July 13	F	15	49	41					876	
		eP	16	59	24.3						
		S	17	1	22.3						
458	July 13	F	17	13						91	
		eP	19	18	22.9						
		iP	19	18	27.8						
		S	19	18	35.1						
459	July 13	F	19	20	35					74	
		eP	19	43	43.3						
		S	19	43	53.3	2.0	- 5	+ 5			
		M _N	19	43	56.3	1.3		+16			
		M _E	19	44	5.8	1.8	+13				

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No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
460	July 13	F	19	48	18					75	
		eP	19	51	19.0						
		S	19	51	29.1	1.0	+ 4	-16			
		M _E	19	51	35.3	1.0	-17				
461	July 13	F	19	54	39					82	
		eP	19	54	48.3						
		S	19	54	59.3						
462	July 14	F	19	55	30					89	
		eP	15	32	59.9						
		M _Z	15	33	2.2	1.0			-22		
		P ₁	15	33	8.0						
		S	15	33	11.9	0.9	-17	+13			
463	July 14	M _{EN}	15	33	13.1	0.9	+29	-29		48	
		F	15	35	46						
		eP	16	30	40.1						
		S	16	30	46.6						
		F	16	31	17						
464	July 14	eP	19	7	21.2					37	
		S	19	7	26.2						
		F	19	7	41						
465	July 15	P	1	5	58.4					787	
		S	1	7	44.4	1.0	+ 3	+ 3			
		M _N	1	7	49.5	1.0		-13			
		M _E	1	7	52.7	1.3	+10				
466	July 15	F	1	11	43					80	
		P	12	55	47.6						
		P ₁	12	55	56.0						
		S	12	55	58.4	0.6	- 8	+16			
		M _Z	12	56	2.8	1.2			+ 7		
		M _N	12	56	14.2	1.2		-27			
		M _E	12	56	16.2	1.2	-23				
467	July 15	F	13	0	20					60	
		eP	21	59	39.1						
		S	21	59	47.2						
468	July 16	F	22	0	49						
		S	10	47	53.4						
469	July 16	F	10	48	20					328	
		P	16	27	27.3						
		S	16	28	11.4						
470	July 17	F	16	29	31					71	
		eP	15	17	38.1						
		S	15	17	47.7						
471	July 17	F	15	18	40					50	
		P	22	30	17.9						
		S	22	30	24.7						
472	July 18	F	22	30	59					343	
		eP	3	17	18.2						
		S	3	18	4.4						
473	July 18	F	3	23	29						
		eP	20	27	59.6						
474	July 19	F	20	31	27					102	
		eP	4	4	35.7						
475	July 19	S	4	4	49.4					42	
		F	4	6	40						
		P	21	11	17.9						
476	July 19	S	21	11	23.5					65	
		F	21	11	39						
		P	23	10	51.4						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
477	July 21	S	23	11	0.1				505		
		F	23	12	10						
		P	1	59	3.8						
478	July 21	S	2	0	11.8				342		
		F	2	1	44						
		iP	8	15	4.3	1.7	+ 8	+14			-28
		S	8	15	50.4	1.7	+30	-74			
		M _N	8	15	55.2	1.7		-122			
		M _Z	8	16	23.3	3.0					+17
		M _E	8	16	25.7	3.0	+120				
479	July 21	C	8	25	29				71		
		F	8	38							
		eP	9	32	10.6						
480	July 22	S	9	32	20.2				441		
		F	9	33	45						
		eP	15	32	44.4						
481	July 23	S	15	33	43.8				91		
		F	15	38	29						
		P	3	39	47.7						
482	July 23	S	3	39	59.9				4811		
		F	3	40	58						
		eP	6	2	42.8						
		S	6	8	36.2						
		L	6	13	8.4						
		M _E	6	16	48.1	22.3	+ 90				
		M _N	6	18	41.2	20.5		-100			
483	July 23	F	7	23							
		S	12	5	48.0						
484	July 24	F	12	6	47				801		
		eP	17	40	10.9						
		iP	17	40	17.6						
485	July 25	S	17	41	58.9				98		
		F	17	43	34						
		P	3	0	39.9						
		S	3	0	53.1						
		F	3	2	7						
486	July 25	L	4	27	6.2						
		F	4	36	13						
		P	16	43	1.6						
487	July 25	S	16	43	14.6						
		F	16	43	56						
		P	13	59	6.1						
		P ₁	13	59	9.6	0.8	- 6	+ 8			
		S	13	59	12.3	1.1	+19	-21			-10
488	July 26	F	14	0	52				46		
		eP	15	41	33.7						
		S	15	41	42.8						
489	July 26	F	15	43	18				68		
		P	3	13	34.7						
		S	3	13	40.2						
490	July 27	F	3	14	0				41		
		eP	3	47	43.2						
		S	3	47	50.9						
491	July 27	F	3	48	54				58		
		eP	1	45	5.4						
		S	1	46	10.5	1.3	+ 9	+ 8			+ 3
		M _E	1	46	13.1	2.3	+12				
		M _N	1	46	30.2	2.8		+15			
492	July 29								491		

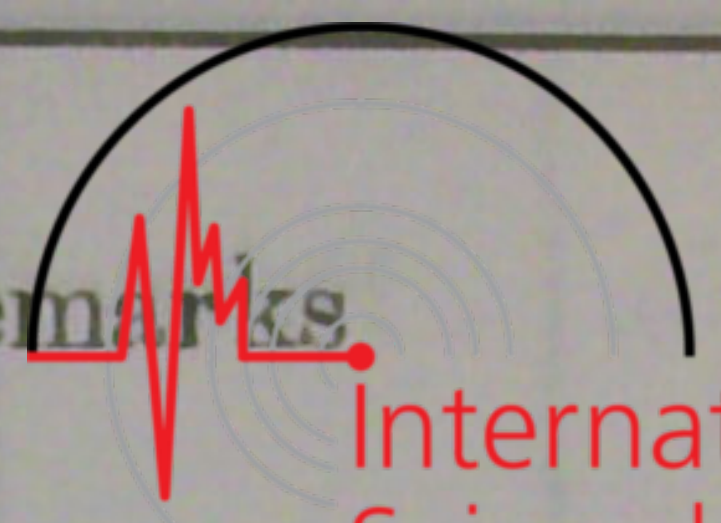


No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
493	July 29	F	1	53	55					56	
		eP	13	1	10.1						
		S	13	1	17.6						
494	July 31	F	13	1	37						
		eP	2	41	39.0						
495	July 31	F	2	42	56					80	
		P	11	59	25.6						
496	July 31	S	11	59	36.3					133	
		F	12	1	2						
		P	18	3	11.0						
		S	18	3	28.9	0.9	- 3	+ 6			
		M _N	18	3	30.6	1.2		+11			
		M _E	18	3	31.3	0.9	+12				
497	Aug. 1	F	18	6	46						
		eP	17	49	3.6					124	
		S	17	49	20.2						
F	17	50	30								
498	Aug. 2	eP	0	25	15.1					119	
		S	0	25	31.1						
		F	0	26	5						
499	Aug. 2	eP	21	20	26.4					505	
		S	21	21	34.4						
		M _N	21	21	45.3	1.3		- 8			
		M _E	21	21	47.9	1.1	- 6				
		F	21	23	49						
500	Aug. 5	P	16	40	50.1					28	
		S	16	40	53.9	0.5	- 6	- 6			
		M _{EN}	16	40	54.3	0.5	+25	+18			
		M _Z	16	41	0.7	0.5			- 5		
		F	16	41	28						
501	Aug. 5	P	18	40	59.6					33	
		S	18	41	41	0.5	- 6	-21	+ 2		
		F	18	41	30						
502	Aug. 5	P	19	37	46.0					28	
		S	19	37	49.7	0.7	+15	+ 8	+ 3		
		F	19	38	42						
503	Aug. 5	P	22	33	24.1					24	
		S	22	33	27.3	0.6	- 16	- 42			
		M _Z	22	33	28.7	0.6			-12		
		F	22	34	0						
504	Aug. 7	eP	2	44	2.0						
		F	2	44	29						
505	Aug. 7	eP	4	54	44.4						
		F	4	55	45						
506	Aug. 7	P	9	43	2.7					406	
		S	9	43	57.3						
		F	9	47	0						
507	Aug. 7	eP	19	11	53.1					252	
		eS	19	12	27.1						
		F	19	13	2.5						
508	Aug. 8	eP	15	4	28.0						
		F	15	5	12						
509	Aug. 8	P	17	23	23.9					33	
		S	17	23	28.3						
		F	17	23	44						
510	Aug. 8	S	17	31	56.4						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
511	Aug. 9	F	17	32	16					329	
		eP	13	32	29.9						
		S	13	33	14.1						
512	Aug.10	F	13	34	4					62	
		eP	21	24	45.8						
		S	21	24	54.2						
513	Aug.11	F	21	25	46					77	
		eP	10	55	10.3						
		F	10	55	39						
514	Aug.11	eP	18	1	21.4					76	
		eL	18	13							
		F	18	25							
515	Aug.13	eP	23	18	27.0					76	
		S	23	18	37.4						
		F	23	19	16						
516	Aug.14	eP	3	15	0.7					67	
		S	3	15	11.0						
		F	3	15	41						
517	Aug.14	eP	6	6	52.0					54	
		S	6	7	1.0						
		F	6	7	25						
518	Aug.14	eP	6	33	28.5					47	
		S	6	33	35.7	1.2	+ 3	- 6			
		M _E	6	33	40.5	1.2	+ 6				
		F	6	34	32						
519	Aug.14	eP	8	44	11.2					559	
		S	8	44	17.5	1.2	+ 6	+ 3			
		M _{EN}	8	44	19.9	1.2	- 7	- 16			
		F	8	45	35						
520	Aug.14	eP	10	57	5.0					97	
		F	10	57	23						
521	Aug.15	eP	11	59	36.7					36	
		iP	11	59	38.1	1.0	- 3	+ 6	+ 12		
		P̄	11	59	42.9	1.2	+ 13	+ 18			
		S	12	0	52.0	1.0		+ 10	- 9		
		S̄	12	0	58.0	2.5	- 34	- 44			
		M _Z	12	1	11.8	2.5			+ 13		
522	Aug.19	eP	10	21	41.4					132	
		S	10	21	54.5						
		F	10	22	39						
523	Aug.19	eP	13	52	24.1					111	
		S	13	52	28.9						
		F	13	52	50						
524	Aug.19	eP	16	0	36.1					4097	
		S	16	0	53.9						
		F	16	1	52						
525	Aug.24	eP	9	39	12.2					+ 350	
		S	9	39	27.2						
		F	9	40	4						
526	Aug.25	S	1	38	43.7					+ 280	
		F	1	39	38						
527	Aug.25	eP	16	56	53.1					+ 350	
		S	17	2	17.9						
		L	17	5	29.4						
		M _N	17	8	46.8	20.0					
		M _Z	17	9	2.8	21.3					
M _E	17	9	425.	21.5	+ 350						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
528	Aug.26	C	17	22					89		
		F	17	56							
		eP	22	22	30.1						
		S	22	22	42.1						
529	Aug.27	F	22	23	46						
		S	13	45	40.5						
530	Aug.28	F	13	46	15				148		
		eP	6	47	48.4						
		S	6	48	8.4						
531	Aug.28	F	6	50	40				684		
		eP	17	49	46.3						
		S	17	51	18.4						
532	Aug.28	F	17	53	21				106		
		eP	21	23	40.0						
		S	21	23	54.2						
533	Aug.29	F	21	24	50						
		eP	7	39	48.0						
		S	7	45	19.3						
		e ₁	8	24	15.6						
		e ₂	8	44	18.7						
534	Aug.29	F	9	32					205		
		eP	21	31	59.3						
		P	21	32	7.0	1.1	+11				
		S	21	32	27.0	1.1	+80	+41			
		M	21	32	41.7	1.2	-230	-220			+50
535	Aug.30	F	21	42	37						
		S	0	10	59.3						
536	Aug.31	F	0	12	9				332		
		eP	1	41	6.6						
537	Aug.31	S	1	41	51.3				35		
		M _N	1	41	52.2	0.8		-8			
		M _E	1	41	53.8	0.8	+9				
		F	1	43	6						
		eP	6	33	47.3						
538	Sept. 1	S	6	33	52.0						
		F	6	34	14						
		eP	15	14	10.2						
539	Sept. 1	F	15	14	51						
		S	16	59	15.4						
540	Sept. 2	F	16	59	28				362		
		P	10	28	37.2						
		S	10	29	26.0						
541	Sept. 3	F	10	30	21				518		
		iP	1	42	46.4	2.6	-3	-14			-17
		S	1	43	56.0	2.5	-120	-136			+40
		M _{EN}	1	43	59.7	3.7	-2000	+2000			
		M _Z	1	44	10.5	4.0					-140
542	Sept. 3	C	1	58	46						
		F	2	26							
543	Sept. 5	eP	20	52	25.0						
		F	20	52	46						
544	Sept. 5	S	5	0	33.0						
		F	5	0	54						
545	Sept. 6	S	8	8	42.1				304		
		F	8	9	22						
		eP	23	6	13.6						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
546	Sept. 7	S	23	6	54.6	1.0	+ 5	- 6		39	
		M _E	23	6	55.8	1.0	+ 8				
		M _N	23	6	58.5	1.0		- 8			
		F	23	8	40						
		cP	4	7	19.7						
547	Sept. 7	S	4	7	25.0					6848	
		F	4	7	33						
		iP	7	18	36.1	5.0	+ 3	- 4			
		P _{ME}	7	18	58.6	4.5	+11				
		P _{MN}	7	19	1.6	5.0		+ 7			
548	Sept. 9	S	7	26	57.5					892	
		M _N	7	27	26.6	8.5		+22			
		M _E	7	27	53.4	10.0	-17				
		F	7	43	31						
		cP	14	5	8.6						
		P	14	5	13.5	0.9	+ 3	- 3			
		S	14	7	8.9						
		M _E	14	7	14.7	1.2	+11				
		M _Z	14	7	18.5	1.7			- 5		
		M _N	14	7	26.6	1.7		-15			
549	Sept. 9	F	14	11	20					98	
		cP	15	24	35.5						
		S	15	24	48.7	1.1	- 2	- 8			
		M _N	15	24	59.9	1.1		- 9			
		M _E	15	25	8.2	1.8	- 7				
550	Sept.10	F	15	26	40					45	
		cP	8	35	21.6						
		S	8	35	27.6						
551	Sept.10	F	8	36	13					25	Felt slightly. Off the cape of Inubo.
		iP	11	55	46.1	0.4	-17	- 7	-18		
		S	11	55	49.5	0.8	-209	-132			
		M _Z	11	55	53.9	0.8			+32		
552	Sept.10	F	11	58	42					25	
		cP	21	5	51.0						
		S	21	5	54.4						
553	Sept.12	F	21	6	27					488	
		cP	14	6	22.0						
		S	14	7	27.8						
		M _E	14	7	52.1	1.7	-14				
		M _N	14	8	7.5	1.7		+11			
554	Sept.13	F	14	12	9					89	
		cP	12	20	21.1						
		S	12	20	33.1						
555	Sept.14	F	12	21	14					20	Felt moderately. Off the cape of Inubo.
		iP	15	26	22.8	0.3	- 9	± 7	+94		
		S	15	26	25.5	0.5	+850	-1150			
		M _{NZ}	15	26	26.2	0.5		+1350	+450		
		F	15	30	28						
556	Sept.14	S	15	29	1.5					36	
		F	15	29	12						
557	Sept.14	P	15	29	57.0					36	
		S	15	30	1.9						
		F	15	30	11						
558	Sept.14	P	15	31	31.3					22	
		S	15	31	34.2						
		F	15	31	43						
559	Sept.14	P	15	32	28.1					23	
		S	15	32	31.2						

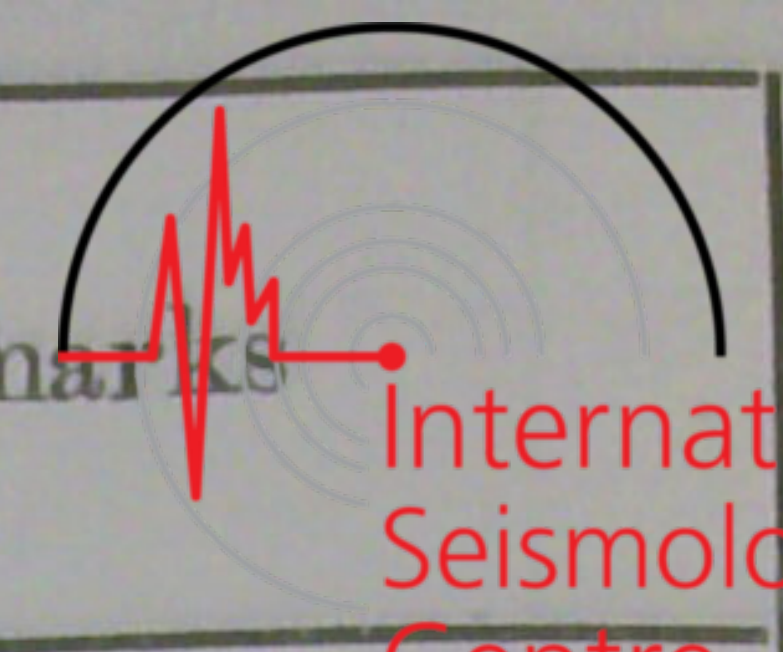
No.	Date	Phase	Time			Period	Amplitude			Δ km.	Remarks
			135° E				AE	AN	AZ		
			h.	m	s.		μ	μ	μ		
560	Sept.14	F	15	32	41				22		
		P	15	32	47.3						
		S	15	32	50.2						
561	Sept.14	F	15	33	0				23		
		P	15	33	8.9						
		S	15	33	12.0						
562	Sept.14	F	15	33	27				22		
		P	15	38	44.3						
		S	15	38	47.2						
563	Sept.14	F	15	38	59				54		
		P	16	47	23.6						
		S	16	47	30.8	0.4	- 6	+ 12			
		M _E	16	47	32.2	0.7	+ 28				
		M _N	16	47	35.4	0.7		+ 14			
564	Sept.15	F	16	48	36				62		
		eP	0	4	21.7						
		S	0	4	30.1						
		M _{EN}	0	4	33.9	0.6	+ 4	+ 4			
565	Sept.15	F	0	5	7				221		
		eP	22	54	29.3						
		S	22	54	59.1	1.2	- 12	- 4			
		M _N	22	55	0.0	0.8		+ 17			
566	Sept.17	F	22	58	25				83		
		P	2	29	24.4						
		S	2	29	35.6	0.8	- 8				
		M _N	2	29	44.9	1.2		+ 6			
567	Sept.17	F	2	30	41				583		
		eP	13	0	45.7						
		iP	13	0	59.4						
		S	13	1	45.8	0.9	- 3				
		S ₁	13	2	4.2	1.0	+ 11	- 10			
		M _E	13	2	14.7	1.8	+ 12				
		M _N	13	2	28.7	2.6		+ 12			
		F	13	9	26						
568	Sept.19	P	15	39	5.0				28		
		S	15	39	8.7	0.7	+ 9	- 9			
		F	15	39	38						
569	Sept.19	eP	18	51	32.1				128		
		S	18	51	49.3						
		F	18	52	28						
570	Sept.20	eP	12	57	45.9				382		
		P	12	57	50.3						
		S	12	58	37.4	0.7	- 13	- 13			
		S	12	58	40.5	1.0	+ 23	- 26			
		M _{EN}	12	58	42.3	1.0	- 31	+ 28			
		M _Z	12	58	47.9	0.7		- 9			
571	Sept.21	F	13	1	19				408		
		eP	12	15	22.6						
		S	12	16	17.5	2.1	+ 59	+ 37			
		M _Z	12	16	26.9	2.5		- 33			
		M _N	12	15	40.3	2.7		+ 56			
572	Sept.21	F	12	27	43				383		
		eP	18	48	54.2						
		S _E	18	49	45.8	2.3	+ 43				
		S _N	18	49	55.3	2.9		- 69			
		M _N	18	50	5.6	3.4		+ 94			
		M _E	18	50	14.1	3.9	+ 114				
M _Z	18	52	5.6	4.7			+ 56				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
573	Sept.21	F	19	5					403		
		eP	22	43	17.7						
		S	22	44	11.9	1.9	+15	+13			
		M _{EN}	22	44	22.9	2.1	+53	-53			
574	Sept.22	M _Z	22	44	54.3	2.5		+16	100		
		F	22	53	48						
		eP	2	36	1.1						
575	Sept.22	S	2	36	14.6				390		
		F	2	36	58						
		eP	4	44	31.1						
576	Sept.22	S	4	45	23.6	1.4	+15	-16	71		
		M _N	4	45	36.4	1.6		-51			
		M _E	4	45	42.1	1.6	-63				
		M _Z	4	45	51.7	1.7		-20			
577	Sept.22	F	4	55	51				364		
		P	5	21	36.4						
		S	5	21	46.0						
578	Sept.22	F	5	22	26				380		
		eP	6	34	12.1						
		S	6	35	1.1						
579	Sept.22	F	6	36	44				358		
		eP	12	46	44.9						
		S	12	47	22.6						
580	Sept.22	F	12	48	35				55		
		eP	13	14	42.2						
		S	13	15	30.5						
		F	13	18	22						
581	Sept.22	P	17	55	9.2				67		
		S	17	55	16.5						
		M _E	17	55	18.0	0.8	+25				
		M _{NZ}	17	55	20.2	0.8		-14 - 7			
582	Sept.22	F	17	56	34				54		
		P	18	0	58.4						
		S	18	1	7.4						
		M _E	18	1	8.9	0.8	+11				
583	Sept.22	M _N	18	1	12.9	0.8		+11	68		
		F	18	1	58						
		P	23	44	11.6						
		S	23	44	18.8	1.2	-9	+9			
584	Sept.24	M _E	23	44	20.5	0.7	+25		26		
		M _N	23	44	23.6	0.7		+25			
		F	23	45	34						
		eP	23	50	18.4						
585	Sept.24	S	23	50	27.5				25		
		M _E	23	50	28.8	0.8	+11				
		M _N	23	50	30.5	0.8		+11			
		F	23	51	13						
586	Sept.24	eP	1	57	19.7				44		
		F	1	57	58						
		P	3	6	26.7						
587	Sept.25	S	3	6	30.2	0.4	-9	-10	25		
		M _{EN}	3	6	30.5	0.4	+12	+14			
		F	3	6	58						
		iP	9	41	11.2	0.4		-7			
588	Sept.24	S	9	41	14.6	0.8	+33	-62	25		
		M _Z	9	41	19.1	0.8		-11			
		F	9	42	49						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
588	Sept.25	S	0	25	46.1	2.8 2.8	- 8	- 8	445		
		F	0	26	37						
		P	1	6	41.2						
		S	1	7	41.2						
		M _E	1	8	18.6						
		M _N	1	8	46.7						
589	Sept.25	F	1	14	6				57		
		P	9	23	16.9						
		S	9	23	24.5						
590	Sept.25	F	9	23	46						
		S	15	25	13.6						
591	Sept.25	F	15	26	1				31		
		eP	21	7	42.2						
592	Sept.25	S	21	7	46.4				30		
		F	21	8	9						
		P	21	43	2.5						
593	Sept.26	S	21	43	6.6				4681		
		F	21	43	22						
		eP	3	59	28.2						
594	Sept.26	S	4	5	53.0				122		
		eL	4	13	3.2						
		L ₁	4	18	18.6						
		F	4	34							
		eP	13	25	36.5						
595	Sept.27	S	13	25	52.9				62		
		F	13	28	21						
		eP	12	43	58.0						
596	Sept.27	S	12	44	6.3				185		
		F	12	44	32						
		eP	17	50	11.1						
597	Sept.27	S	17	50	36.0				19		
		F	17	52	11						
		eP	19	7	50.3						
598	Sept.27	S	19	7	52.8				289		
		F	19	8	7						
		P	20	38	35.0						
599	Sept.27	P	20	38	38.3				74		
		S	20	39	14.0						
		F	20	39	54						
		eP	21	35	16.5						
600	Sept.28	S	21	35	26.5	0.5	+10		156		
		F	21	35	55						
		eP	14	52	13.7						
601	Sept.29	iP	14	52	19.7				519		
		S	14	52	34.7						
		F	14	53	13						
602	Sept.29	eP	20	41	50.8	0.7 0.8 0.8	- 6 + 6 -13		59		
		S	20	43	0.6						
		S	20	43	3.8						
		F	20	44	42						
		eP	21	42	16.7						
603	Sept.29	S	21	42	24.7				62		
		M _N	21	42	27.2						
		M _E	21	42	31.2						
		F	21	44	19						
603	Sept.29	eP	23	1	21.8						
		S	23	1	30.2						
		F	23	2	41						

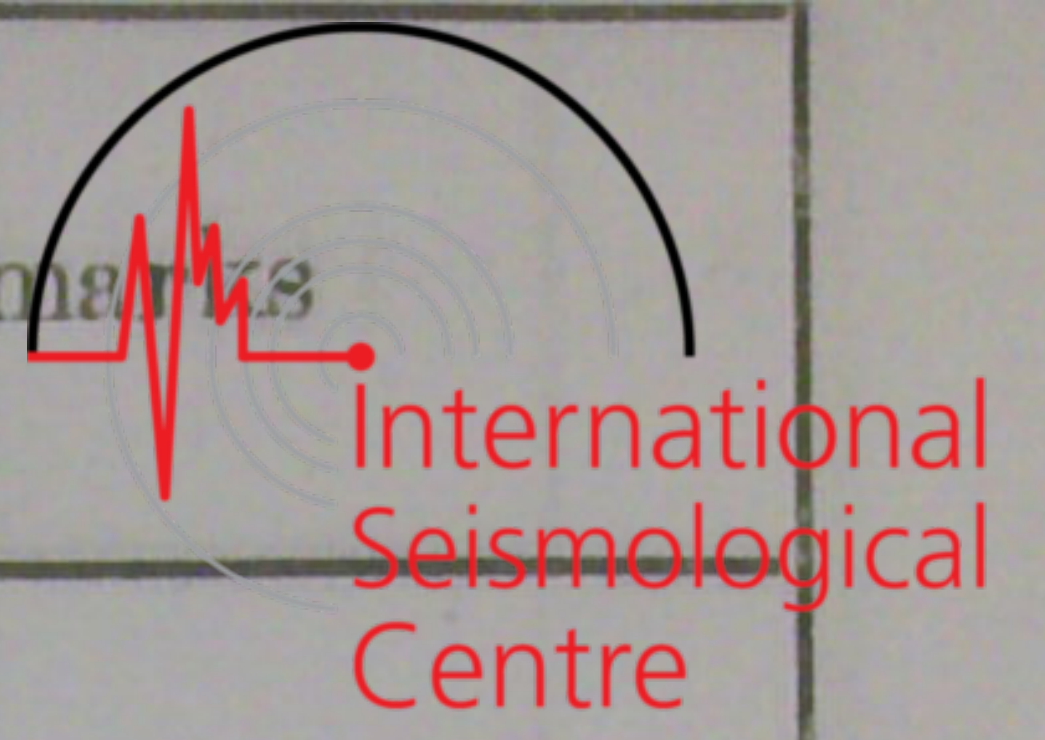


No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
604	Sept.30	S	1	29	19.0						
		F	1	29	37						
605	Sept.30	eP	12	35	35.5				108		
		S	12	35	50.0						
		F	12	36	31						
606	Sept.30	eL	23	38	43.0						
		F	23	54							
607	Oct. 1	eP	11	22	44.8				356		
		S	11	23	32.8						
		F	11	24	40						
608	Oct. 1	iP	23	35	25.2	1.4	+10	+10	-14	83	Felt slightly. Kasima-nada.
		S	23	35	36.4	1.3	+102	-71			
		M _E	23	35	39.3	1.3	+650				
		M _Z	23	35	43.6	1.3			+100		
		M _N	23	35	44.4	1.3		-650			
		F	23	46	35						
609	Oct. 2	eP	6	30	46.0				88		
		S	6	30	57.8						
		F	6	32	4						
610	Oct. 2	P	7	12	8.4				33		
		S	7	12	12.9						
		F	7	12	17						
611	Oct. 2	S	7	25	8.7						
		F	7	25	27						
612	Oct. 2	eP	7	38	58.7				88		
		S	7	39	0.6						
		F	7	39	40						
613	Oct. 2	iP	12	33	41.8	1.4	+1	-3	+5	71	
		S	12	33	51.4	1.4	+36	+30	-5		
		M _N	12	34	2.6	1.5		+36			
		M _Z	12	34	3.4	1.3			-9		
		F	12	37	34						
614	Oct. 2	eP	20	39	54.2				356		
		S	20	40	42.2						
		F	20	41	30						
615	Oct. 3	eP	7	44	8.7				91		
		S	7	44	20.9						
		F	7	44	56						
616	Oct. 3	P	18	32	43.5				33		
		S	18	32	47.9	0.8	-19	+6			
		M _N	18	32	48.5	0.8		-36			
		M _Z	18	32	53.8	0.6			-7		
		F	18	33	54						
617	Oct. 3	P	22	9	52.5				37		
		S	22	9	57.5						
		F	22	10	11						
618	Oct. 3	P	23	32	25.0				27		
		S	23	32	28.6						
		F	23	32	51						
619	Oct. 4	P _Z	3	39	27.3	1.3			+3	240	
		iP	3	39	28.8	2.9	-7	+8	-11		
		S	3	39	59.5	3.2	+95	-90	-86		
		M	3	40	8.6	2.5	-2000	+1600	+740		
		F	3	56	59						
620	Oct. 7	eP	2	27	15.5				646		
		S	2	28	42.5						



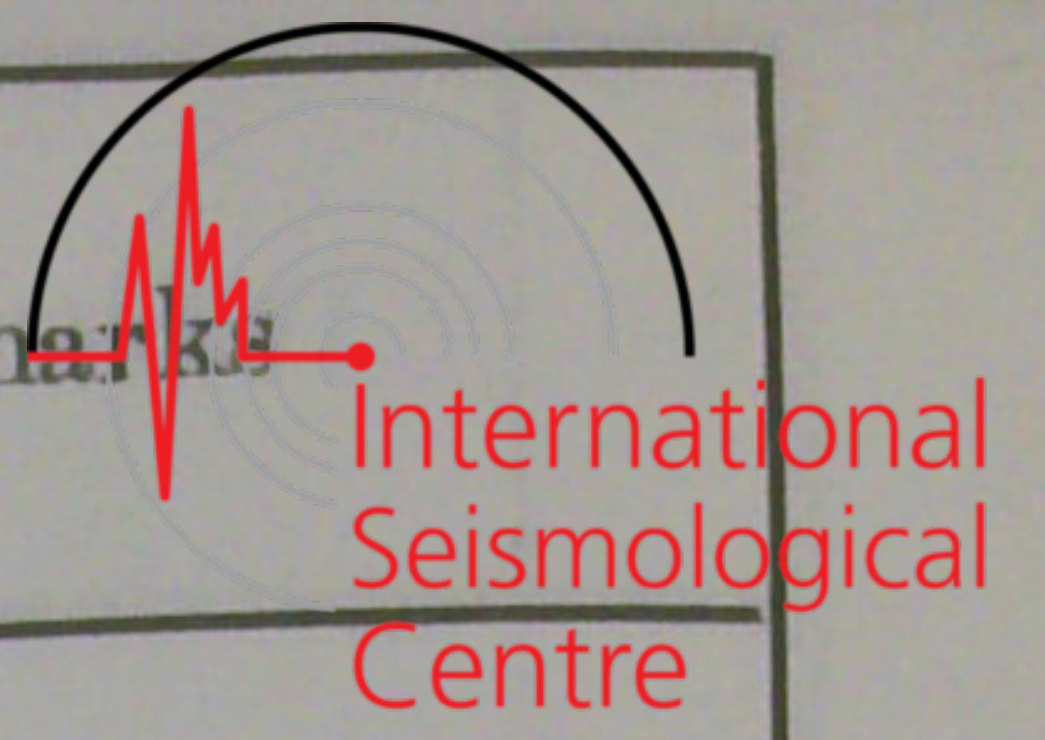
No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
621	Oct. 7	F	2	30	16					37	Felt slightly. SE-ern off the cape of Inubo.
		iP	16	40	33.0	0.8	+ 5	-19	+48		
		M _Z	16	40	34.8	0.7			+150		
		S	16	40	38.0	0.8	-200	-360	+60		
		M _E	16	40	40.1	0.6	-220				
622	Oct. 8	F	16	43	57						
		eP	14	15	55.8						
623	Oct. 8	F	14	16	28						
		eP	14	19	52.7						
624	Oct. 8	F	14	20	14					72	
		eP	21	37	42.8						
		S	21	37	52.4	1.2	-12	-11			
		M _{EN}	21	37	54.5	0.7	-23	-28			
		F	21	39	41						
625	Oct. 9	eP	10	18	0.2					59	
		S	10	18	8.2						
		F	10	18	23						
626	Oct. 9	eP	20	28	7.0					54	
		S	20	28	14.2						
		F	20	29	21						
627	Oct. 9	eP	21	6	58.3					134	
		S	21	7	16.3	1.2	+31	+23			
		M _E	21	7	28.8	1.0	-50				
		M _{NZ}	21	7	32.6	1.2		-63	-30		
		F	21	13	28						
628	Oct. 10	eP	1	40	24.9					76	
		S	1	41	35.1						
		F	1	41	29						
629	Oct. 11	eP	22	58	23.9					243	
		S	22	58	56.5	0.7	-14	-14			
		M _N	22	58	11.9	1.4		+55			
		M _{EZ}	22	58	20.0	1.4	-46		+11		
		F	23	6	14						
630	Oct. 12	eP	12	38	17.1					50	
		S	12	38	23.9						
		F	12	38	54						
631	Oct. 12	eP	19	39	9.0					77	
		S	19	39	19.4						
		F	19	39	59						
632	Oct. 13	eP	6	37	59.5					206	
		S	6	38	27.3						
		F	6	39	5						
633	Oct. 13	iP	7	9	19.7	0.6			+ 3	102	
		S	7	9	33.5	0.8	-13	+ 3			
		M _N	7	9	35.0	1.2		-25			
		M _E	7	9	36.3	1.4	-27				
		M _Z	7	9	39.2	1.4			+ 5		
		F	7	12	8						
634	Oct. 13	iP	21	21	34.4	0.5			+ 5	37	
		S	21	21	39.4	0.5	-17	-25			
		M _Z	21	21	40.3	0.5			- 6		
		F	21	22	44						
635	Oct. 14	eP	19	45	14.6					87	
		S	19	45	26.3						
		F	19	46	5						
636	Oct. 14	eP	21	51	34.2					69	
		S	21	51	43.5						
		F	21	52	26						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
637	Oct. 15	P	17	13	20.6				153		
		S	17	13	41.2	0.5	- 3	- 3			
		M _N	17	13	44.9	0.7		+10			
		M _E	17	13	46.4	0.7	- 9				
638	Oct. 16	F	17	16	1				79		
		eP	1	28	14.3						
		S	1	28	24.9	1.4	+ 4	- 5			
		M _N	1	28	27.6	1.6		-14			
639	Oct. 16	M _E	1	28	28.6	1.1	+11		597		
		F	1	29	34						
		eP	12	29	13.8						
		F	12	29	32						
640	Oct. 16	eP	13	42	55.1				597		
		S	13	44	15.5						
		M _E	13	44	20.2	1.3	-15				
		M _N	13	44	23.3	1.3		+10			
641	Oct. 16	F	13	47	25				25		
		S	21	44	36.5						
642	Oct. 16	F	21	45	23				82		
		eP	23	3	31.0						
643	Oct. 17	S	23	3	34.4	0.7	- 3	-11	82		
		F	23	3	44						
		P	7	0	32.5						
644	Oct. 19	S	7	0	43.6	0.7	-18	-18	40		
		M _Z	7	0	45.9	0.8		+ 9			
		M _E	7	0	52.3	0.9	+26				
		F	7	2	38						
645	Oct. 20	P	9	1	24.6				141		
		S	9	1	30.0						
		M _{EN}	9	1	38.9	0.9	+ 6	+ 6			
		F	9	2	0						
646	Oct. 20	eP	2	23	54.4				171		
		S	2	24	13.3						
		F	2	25	15						
647	Oct. 20	eP	2	31	45.5				146		
		S	2	32	8.5						
		F	2	33	26						
648	Oct. 21	eP	14	44	7.3				153		
		F	14	44	21						
649	Oct. 21	eP	6	0	59.4				122		
		F	6	1	28						
		eP	11	27	40.0						
650	Oct. 21	S	11	27	59.6				153		
		F	11	29	15						
		iP	11	44	47.4	4.8	-17	+16			+36
		S	11	45	8.1	2.6	+88	-126			-98
		M _Z	11	45	13.9	5.0					
		M _N	11	45	15.0	4.2		+177			
651	Oct. 21	M _E	11	45	20.0	4.2	+174		122		
		F	12	1	0						
		eP	12	13	39.0						
652	Oct. 22	S	12	13	55.4				21		
		F	12	14	47						
		P	22	47	26.7						
653	Oct. 23	S	22	47	29.5	0.4	- 9	-14	76		
		F	22	47	57						
		P	4	5	58.3						
		S	4	6	8.6						



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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		
654	Oct. 23	F	4	6	23					81	
		cP	7	49	2.0						
		S	7	49	12.9						
655	Oct. 23	F	7	49	29					627	
		cP	9	42	45.3						
		S	9	44	9.8						
		M _E	9	44	41.3	2.4	+ 8				
		M _N	9	45	15.1	2.4		- 8			
656	Oct. 23	F	9	49	40					47	
		P	23	33	31.0						
		S	23	33	37.3						
657	Oct. 23	F	23	33	55					56	
		P	23	38	40.0						
		S	23	38	47.5						
658	Oct. 24	F	23	39	2					66	
		P	2	7	24.2						
		S	2	7	33.1						
659	Oct. 24	F	2	8	8					82	
		cP	7	37	6.0						
		S	7	37	17.0						
660	Oct. 25	F	7	39	18					97	
		cP	3	14	28.9						
		S	3	14	41.9						
661	Oct. 26	M _N	3	15	3.1	1.5		- 20		23	
		M _E	3	15	12.8	1.5	+ 16				
		F	3	17	14						
		P	18	26	10.2						
		S	18	26	13.3	0.6	- 5	+ 6			
662	Oct. 27	M _N	18	26	13.8	0.9		- 24		25	
		M _E	18	26	16.6	0.7	+ 10				
		F	18	26	57						
		P	5	14	3.7						
		S	5	14	7.1						
663	Oct. 28	F	5	14	16					84	
		cP	9	24	25.0						
		S	9	24	36.3						
664	Oct. 29	F	9	26	20					33	
		P	5	33	47.0						
		S	5	33	51.5						
		M _N	5	33	52.2	0.5		+ 7			
		F	5	34	9						
665	Oct. 30	P	9	15	15.1					27	
		S	9	15	18.7	0.6	+ 4	- 8			
		F	9	15	32						
666	Oct. 30	cP	14	42	48.8					68	
		S	14	42	57.9						
		F	14	43	33						
667	Oct. 30	S	14	52	41.9					100	
		F	14	53	7						
668	Oct. 30	P	20	37	8.1					100	
		S	20	37	21.5						
		F	20	38	20						
669	Nov. 1	iP	17	22	1.1	1.9	+ 64	+ 24	+ 200	30	Felt moderately. Northern part of Kujukuri-hama.
		S	17	22	5.1	1.0	- 270	- 194			
		M _E	17	22	12.7	2.4	- 1500				
		M _N	17	22	15.7	1.8		- 910			



No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
670	Nov. 1	F	17	29	56					37	
		cP	17	25	40.4						
		S	17	25	45.4						
		M _{EN}	17	25	46.7	1.3	-20	+20			
671	Nov. 1	M _Z	17	25	47.9	0.6			+ 4	42	
		F	17	26	25						
		iP	19	14	40.2	0.7			+ 4		
		S	19	14	45.9						
672	Nov. 1	M _{EN}	19	14	47.6	1.2	-23	-15		49	
		M _Z	19	14	49.2	0.6			+ 5		
		F	19	15	50						
		iP	19	34	25.3	0.7	+ 3	+ 3	+18		
673	Nov. 1	M _Z	19	34	25.8	0.7			-20	113	
		S	19	34	31.9	1.2	+55	+21			
		M _{EN}	19	34	32.8	1.2	+74	+38			
		F	19	36	28						
674	Nov. 2	cP	20	45	3.3					43	
		S	20	45	18.5						
675	Nov. 2	F	20	46	30					74	
		S	3	14	48.7						
676	Nov. 2	F	3	15	20					39	
		P	5	30	6.9						
677	Nov. 2	S	5	30	12.7					88	
		F	5	30	23						
678	Nov. 2	eP	7	45	16.8					45	
		S	7	45	26.7						
679	Nov. 2	F	7	46	5					57	
		eP	8	14	8.8						
680	Nov. 2	S	8	14	14.1					49	
		F	8	14	41						
681	Nov. 2	eP	11	25	20.1					54	
		S	11	25	31.9						
682	Nov. 2	F	11	26	13					46	
		S	12	53	48.7						
683	Nov. 2	F	12	53	57					54	
		cP	14	40	55.9						
684	Nov. 2	S	14	41	1.9					46	
		F	14	41	15						
685	Nov. 2	S	15	59	50.2					49	
		F	16	0	9						
686	Nov. 2	eP	16	27	43.6					57	
		S	16	27	50.2						
687	Nov. 2	F	16	28	24					46	
		cP	22	44	30.3						
688	Nov. 2	S	22	44	37.9					57	
		F	22	45	11						
689	Nov. 3	S	3	53	24.2					46	
		F	3	53	52						
690	Nov. 3	S	10	44	17.5					46	
		F	10	44	37						
691	Nov. 3	cP	14	31	55.7					46	
		S	14	32	1.9						
692	Nov. 3	F	14	32	31					54	
		P	14	47	10.5						
693	Nov. 3	S	14	47	17.7	0.6				54	
		F	14	48	57						
694	Nov. 3	eP	16	56	25.6					54	
		F	16	57	33						



No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
689	Nov. 3	eP	18	16	15.3				52		
		S	18	16	22.3						
		F	18	16	50						
690	Nov. 3	eP	18	20	5.6				50		
		S	18	20	12.4						
		F	18	20	38						
691	Nov. 3	P	19	52	22.3				73		
		S	19	52	32.1						
		M _E	19	52	33.4	0.9	+23				
		M _N	19	52	34.8	0.9		+14			
		F	19	54	13						
692	Nov. 4	eP	10	30	16.3				45		
		S	10	30	22.4						
		F	10	30	54						
693	Nov. 4	eP	19	49	52.3				61		
		S	19	50	0.5						
		F	19	50	47						
694	Nov. 5	eP	15	17	21.1				102		
		S	15	17	34.8						
		F	15	18	19						
695	Nov. 6	eP	2	18	36.0						
		F	2	19	26						
696	Nov. 6	eP	11	52	13.0				58		
		S	11	52	20.7						
		F	11	52	40						
697	Nov. 6	eP	15	35	24.9				55		
		S	15	35	32.2						
		F	15	35	40						
698	Nov. 6	S	16	33	59.1						
		F	16	34	28						
699	Nov. 6	P	18	53	37.0				82		
		S	18	53	48.0						
		M _{EN}	18	53	56.6	1.0	-6	+12			
		F	18	54	31						
		P	23	20	39.9						
700	Nov. 6	S	23	20	47.0	0.7	+57	-42	53		
		M _N	23	20	47.5	0.6		+56			
		M _Z	23	20	48.0	0.6					+13
		F	23	22	40						
		P	0	5	29.9						
701	Nov. 7	S	0	5	36.9	0.7	-6	+4	52		
		F	0	6	4						
		P	0	16	29.5						
702	Nov. 7	S	0	16	35.6	0.9	+24	-14	45		
		M _{EN}	0	16	46.3	0.7	+25	+26			
		F	0	18	1						
		eP	0	19	50.3						
703	Nov. 7	S	0	19	57.3				52		
		M _{EN}	0	19	57.8	0.7	-6	+4			
		F	0	20	9						
		P	0	20	10.5						
704	Nov. 7	S	0	20	17.5	0.7	+20	-12	52		
		M _N	0	20	18.0	0.7		+24			
		F	0	20	56						
		eP	0	20	25.8						
705	Nov. 7	S	0	20	32.3	1.1	+31	-42	48		
		M	0	20	33.1	1.1	-69	+64			+14
		F	0	23	0						



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No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks.
			h.	m.	s.		AE μ	AN μ	AZ μ		
706	Nov. 7	eP	0	26	4.4				48		
		S	0	26	10.8						
		F	0	26	32						
707	Nov. 7	P	0	33	20.9				49		
		S	0	33	27.5						
		M _N	0	33	28.1	0.7		- 8			
		F	0	34	2						
708	Nov. 7	eP	0	50	18.0				43		
		S	0	50	23.8						
		F	0	50	42						
709	Nov. 7	eP	0	57	7.8				100		
		S	0	57	21.3						
		F	0	58	38						
710	Nov. 7	P	2	52	48.7				49		
		S	2	52	55.3	0.7	+ 40	- 41			
		F	2	55	7						
711	Nov. 7	P	2	55	55.4				49		
		S	2	56	2.0	0.7	+ 6	+ 10			
		F	2	56	49						
712	Nov. 7	P	3	2	58.0				47		
		S	3	3	4.3						
		F	3	3	18						
713	Nov. 7	P	3	4	20.9				49		
		S	3	4	27.5	0.7	+ 8	- 7			
		F	3	5	17						
714	Nov. 7	P	3	35	47.1				49		
		S	3	35	53.7						
		M _{EN}	3	35	54.2	0.7	- 5	+ 5			
		F	3	36	29						
715	Nov. 7	P	4	39	11.8				55		
		S	4	39	19.1						
		F	4	39	37						
716	Nov. 7	eP	4	41	53.2				45		
		S	4	41	59.2						
		M _{EN}	4	41	59.7	0.7	- 5	+ 5			
		F	4	42	23						
717	Nov. 7	iP	10	40	54.6	0.6	+ 3	+ 4	+ 9	47	
		S	10	41	0.9	1.0	+ 61	- 62	- 13		
		M _{EZ}	10	41	1.7	1.0	- 75		+ 16		
		F	10	43	5						
718	Nov. 7	S	10	41	59.8						
		F	10	42	34						
719	Nov. 7	S	10	42	37.5						
		F	10	42	58						
720	Nov. 7	P	10	43	0.2				49		
		S	10	43	6.8	1.0	+ 31	- 32			
		F	10	45	7						
721	Nov. 7	eP	10	44	20.1				46		
		S	10	44	26.3						
		F	10	44	59						
722	Nov. 7	eP	11	4	40.7				49		
		S	11	4	47.3						
		F	11	5	1						
723	Nov. 7	eP	11	20	15.3				48		
		S	11	20	21.7						
		F	11	20	37						
724	Nov. 7	eP	13	18	12.8				46		
		S	13	18	19.0						





No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
725	Nov. 7	F	13	18	37						
		S	13	22	45.3						
726	Nov. 7	F	13	23	5						
		eP	14	43	41.3				46		
		S	14	43	47.5						
727	Nov. 7	M _{EN}	14	43	48.0	0.7	- 6	+ 6			
		F	14	44	17						
		eP	16	36	53.3				46		
728	Nov. 7	S	16	36	59.5						
		F	16	37	10						
		eP	23	37	7.6				46		
729	Nov. 8	S	23	37	13.8	1.0	+ 6	- 3			
		M _N	23	37	15.0	0.7		- 6			
		F	23	37	48						
730	Nov. 8	iP	1	59	16.7	0.8	+ 3	+ 4	+ 5	49	
		S	1	59	23.3	1.2	+110	-110	+10		
		M _Z	1	59	26.2	1.2			+18		
731	Nov. 8	F	2	3	32						
		P	2	4	15.3				53		
		S	2	4	22.4						
732	Nov. 8	M _{EN}	2	4	23.2	1.0	- 4	- 4			
		F	2	5	8						
		P	2	6	35.1				44		
733	Nov. 8	S	2	6	41.0	0.7	+ 9	- 8			
		M _{EN}	2	6	41.5	0.7	-10	+ 9			
		F	2	7	24						
734	Nov. 8	S	2	8	1.0						
		F	2	8	36						
		P	2	31	41.8				48		
735	Nov. 8	S	2	31	48.3						
		F	2	32	29						
		P	2	45	0.0				44		
736	Nov. 8	S	2	45	5.9	0.7	+ 6	- 6			
		M _N	2	45	6.4	0.7		+ 7			
		F	2	45	46						
737	Nov. 8	P	3	35	44.6				61		
		S	3	35	52.8						
		F	3	36	23						
738	Nov. 8	P	4	14	56.5				50		
		S	4	15	3.3	0.8	+ 4	- 3			
		M _{EN}	4	15	3.9	0.8	- 5	+13			
739	Nov. 8	F	4	15	34						
		P	4	22	58.9				46		
		S	4	23	5.1						
740	Nov. 8	F	4	23	33						
		P	6	52	32.3				49		
		S	6	52	38.9						
741	Nov. 8	F	6	53	0						
		P	9	15	34.1				60		
		S	9	15	42.2						
742	Nov. 8	F	9	16	5						
		P	11	50	59.4				48		
		S	11	51	5.9	0.7	+ 5	- 4			
743	Nov. 8	M _{EN}	11	51	6.4	0.7	- 6	+10			
		F	11	51	44						
		eP	14	45	29.3				583		
744	Nov. 8	S	14	46	47.8						
		M _N	14	47	2.3	1.2		+11			

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
742	Nov. 8	M _E	14	47	5.5	1.2	+ 8			49	
		F	14	52	2						
		P	16	1	12.6						
743	Nov. 9	S	16	1	19.2						
		F	16	1	54						
		S	0	1	11.3						
744	Nov. 9	F	0	2	0						
		S	6	15	43.9						
745	Nov.11	F	6	16	9					50	
		P	8	0	39.5						
746	Nov.11	S	8	0	46.3					123	
		F	8	1	6						
		P	18	33	10.6						
		S	18	33	27.1						
		M _{EN}	18	33	30.9						
747	Nov.11	F	18	35	3						
		S	22	30	30.7						
748	Nov.12	F	22	31	6						
		eP	7	15	34.5						
749	Nov.12	F	7	16	46	0.6	-17	+ 2	+ 7	37	
		P	9	51	17.1						
		S	9	51	22.1						
750	Nov.12	M _Z	9	51	25.2	0.7			+ 8		
		F	9	52	15						
		eP	12	54	52.8						
		S	12	54	56.5						
		F	12	55	8						
751	Nov.12	eP	16	1	52.7					54	
		S	16	1	59.9						
		M _E	16	2	2.6						
752	Nov.14	M _N	16	2	4.8	0.7	- 8	+ 8			
		F	16	2	42						
		eP	9	25	59.0						
		S	9	26	8.3						
		M _E	9	26	19.9						
753	Nov.15	M _N	9	26	25.5	1.2	+26	-21			
		F	9	28	7						
		S	13	22	17.2						
754	Nov.15	F	13	22	35					116	
		eP	14	5	18.2						
755	Nov.15	S	14	5	33.8					45	
		F	14	6	20						
		eP	16	18	50.1						
756	Nov.15	S	16	18	56.2					35	
		F	16	19	16						
		P	21	17	2.9						
757	Nov.15	S	21	17	7.6					44	
		F	21	17	34						
		eP	22	59	22.4						
758	Nov.16	S	22	59	28.3					63	
		F	22	59	54						
		P	19	4	42.6						
759	Nov.18	S	19	4	49.1					114	
		F	19	6	37						
		eP	14	51	11.1						
760	Nov.19	S	14	51	26.5					37	
		F	14	52	4						
		iP	0	52	2.5	0.6		+ 3			

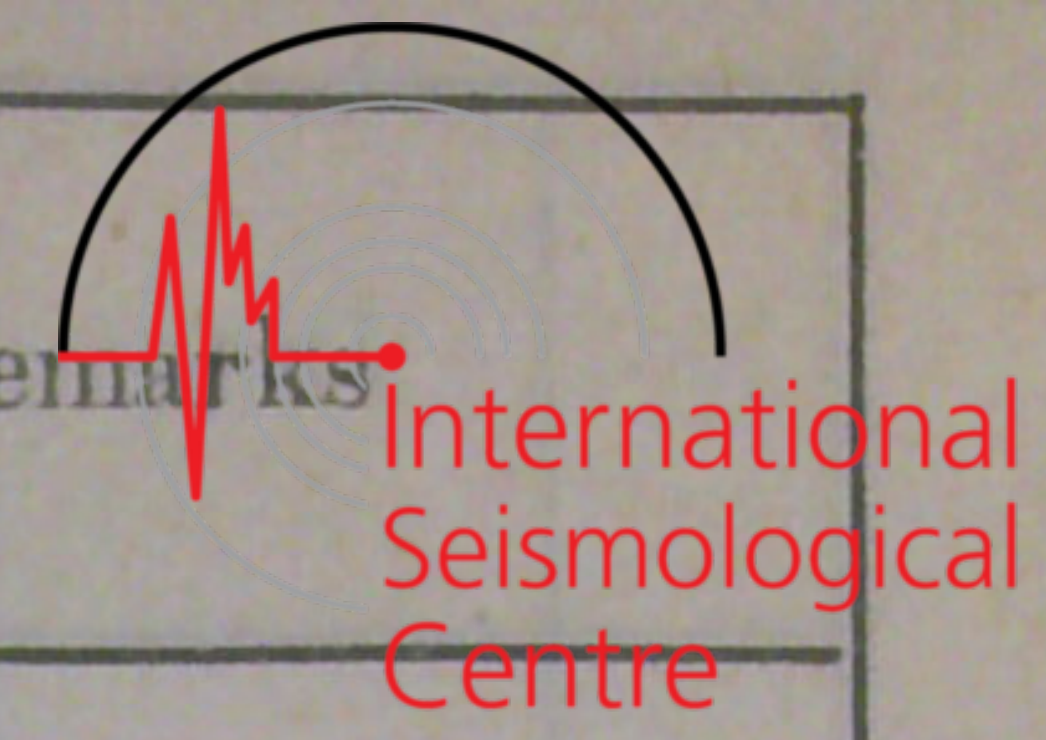


No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AE μ	AN μ	AZ μ		
761	Nov.19	S	0	52	7.5	0.7	-10	-21	+ 4		
		M _E	0	52	9.0	0.7	-20				
		F	0	53	0						
762	Nov.19	S	10	35	24.1						
		F	10	36	55						
763	Nov.19	cP	13	21	51.4					88	
		S	13	22	3.2						
		F	13	22	41						
764	Nov.20	cP	15	11	9.0					73	
		S	15	11	18.8						
		F	15	11	58						
765	Nov.20	P	5	26	46.0					52	
		S	5	26	53.0	1.3	-15	-15			
		M _E	5	26	55.0	1.3	+42				
		M _N	5	26	57.5	1.3		-25			
		F	5	28	46						
766	Nov.21	iP	10	35	38.6	0.6			+ 4	50	Felt slightly. Kasima-nada.
		S	10	35	45.3	0.6	+100	-40	-18		
		F	10	37	14						
767	Nov.21	cP	7	46	10.2					61	
		S	7	46	18.4						
		F	7	46	32						
		iP	8	31	42.4	3.5		- 7	+ 8	7794	
		S	8	40	52.1	6.3		+12			
		eL	8	56	35.6						
		M _E	9	7	33.5	16.8	-150				
		M _Z	9	9	4.6	17.6			-140		
768	Nov.22	M _N	9	9	7.6	16.8		-150			
		C	9	26							
		F	9	42							
		eP	7	9	14.8						53
		S	7	9	21.9						
769	Nov.22	F	7	9	46						
		P	20	26	50.3					42	
		S	20	26	55.9	0.5	+ 6	+ 3			
770	Nov.23	M _{EN}	20	26	57.0	0.6	-19	-11			
		F	20	27	34						
		S	8	31	24.7						
771	Nov.23	F	8	31	49						
		cP	23	37	2.7					56	
772	Nov.24	S	23	37	10.2	0.7	- 9	- 9			
		F	23	38	9						
		S	0	36	14.7						
773	Nov.24	F	0	36	22						
		cP	8	16	9.6					82	
		S	8	16	20.7						
774	Nov.26	F	8	17	1						
		cP	10	29	48.2					36	
		S	10	29	53.1						
775	Nov.27	F	10	30	13						
		S	7	6	25.2						
776	Nov.27	F	7	6	49						
		P	16	50	19.3					67	
		S	16	50	28.3	0.7	+72	+35	-13		
		M _E	16	50	30.4	0.7	-104				
		M _N	16	50	36.3	0.7		-64			
		M _Z	16	50	37.9	0.7			-27		
F	16	53	9								

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks				
			h.	m	s.		AE μ	AN μ	AZ μ						
777	Nov.28	P	4	8	3.4	0.6	-11	-28		27					
		S	4	8	7.0										
		F	4	8	36										
778	Nov.28	P	4	9	51.2					28					
		S	4	9	55.0										
		F	4	10	1										
779	Nov.28	cP	4	15	23.9	1.2	-20			601					
		S	4	16	27.9										
		S ₁	4	16	44.9										
		M _E	4	16	45.4										
		M _{NZ}	4	16	48.8							1.1		+30	+5
		F	4	20	39										
		iP	5	7	18.8							0.7	-3	-6	
780	Nov.29	S	5	7	23.7	1.0	-9	-21		36					
		F	5	8	3										
		cP	5	34	20.9	0.9	-24	-67	+4	25	Felt slightly. Neighbourhood of the cape of Inubo.				
S	5	34	24.3												
M _Z	5	34	25.8	0.7								+11			
781	Nov.29	F	5	35	32										
		iP	10	16	54.7	0.4			+13	32	Felt moderately. Neighbourhood of the cape of Inubo.				
		S	10	16	59.0	0.7	+120	+55	-29						
		M _N	10	16	59.5	0.7		-116							
		M _Z	10	17	0.7	0.7			-36						
F	10	19	15												
782	Nov.29	cP	11	27	12.0					24					
		S	11	27	15.2										
		F	11	27	27										
783	Nov.29	cP	11	36	11.0					64					
		S	11	36	19.6										
		F	11	37	16										
784	Nov.29	cP	12	28	9.9	0.6	+5	-5		27					
		S	12	28	13.5										
		F	12	28	30										
785	Nov.29	cP	13	42	35.2					43					
		S	13	42	41.0										
		F	13	43	2										
786	Nov.29	S	14	12	4.4										
		F	14	12	15										
787	Nov.29	S	13	43	58.3										
		F	13	45	19										
788	Dec. 2	cP	15	6	26.4	0.7	-11	+31	+5	68					
		S	15	6	35.6										
		M _E	15	6	37.8							1.2	+30		
		M _Z	15	6	39.6							0.8		+6	
		F	15	8	46										
789	Dec. 2	S	15	44	0.6										
		F	15	44	26										
790	Dec. 2	cP	21	45	40.4					50					
		S	21	45	47.2										
		F	21	46	14										
791	Dec. 4	P	2	32	19.4					71					
		S	2	32	28.9										
		F	2	33	25										
792	Dec. 4	cP	4	28	33.7	1.1	-7			118					
		S	4	28	49.6										
		M _E	4	28	50.4							1.1	+10		

No.	Date	Phase	Time 135° E			Period s.	Amplitude			△ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
794	Dec. 5	F	4	30	11					878	
		iP	4	36	27.2	3.5	- 2	- 37	+ 24		
		M _Z	4	36	29.5	2.5			- 78		
		S	4	38	25.4	2.7	+ 39	- 33	- 6		
		M _E	4	38	36.3	2.5	+ 92				
		M _N	4	38	39.3	2.7		+ 116			
795	Dec. 5	C	4	45	36					28	
		F	4	51	57						
		eP	16	19	49.1						
796	Dec. 5	S	16	19	52.9	0.6	- 4	+ 7		53	
		F	16	20	24						
		eP	23	12	24.8						
797	Dec. 5	S	23	12	31.9					55	
		F	23	13	8						
		eP	23	38	13.3						
798	Dec. 7	S	23	38	20.6					118	
		F	23	38	59						
		eP	4	21	5.3						
799	Dec. 7	S	4	21	21.2	1.2	- 11	- 8		52	
		M _E	4	21	35.4	1.2	- 28				
		M _N	4	21	48.8	1.2		+ 16			
		F	4	24	11						
800	Dec. 7	P	11	9	44.3					46	
		S	11	9	51.3	0.7		- 6			
		F	11	10	33						
801	Dec. 8	P	15	19	48.7					144	
		S	15	19	54.9	0.7		- 6			
		F	15	20	31						
802	Dec. 10	iP	3	35	48.3	0.8			- 3	58	
		S	3	36	7.7	1.2	- 18	+ 10	+ 12		
		M _E	3	36	30.0	1.5	- 50				
		M _{NZ}	3	36	31.8	2.0		+ 56	+ 28		
		C	3	42	16						
		F	3	46	48						
803	Dec. 10	eP	17	10	35.5					256	
		S	17	10	43.2						
		F	17	11	9						
804	Dec. 11	eP	23	15	37.7					50	
		S	23	16	12.2						
		F	23	22	34						
805	Dec. 11	eP	4	46	28.0					20	
		S	4	46	34.8						
		F	4	47	22						
806	Dec. 12	P	18	8	42.7					71	
		S	18	8	45.4	0.6	+ 13	- 8			
		F	18	9	10						
807	Dec. 12	eP	2	2	36.2					109	
		S	2	2	45.8	1.0	+ 10	+ 8			
		M _N	2	2	56.8	1.0		- 11			
		F	2	4	44						
808	Dec. 13	eP	7	34	43.9					26	
		S	7	34	58.6						
		M _N	7	35	5.1	1.2		+ 7			
809	Dec. 13	F	7	36	35					144	
		P	2	43	52.4						
		S	2	43	55.9	0.6	- 5	- 8			
		F	2	44	7						
		eP	8	56	18.8						

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m	s.		AE μ	AN μ	AZ μ		
810	Dec. 13	S	8	56	38.2	0.8	+ 6	+ 6	162		
		F	8	57	26						
		P	9	39	43.0						
811	Dec. 15	S	9	40	4.8				79		
		F	9	41	2						
		eP	0	5	46.6						
812	Dec. 15	S	0	5	57.3				62		
		F	0	6	26						
		P	2	17	25.0						
813	Dec. 15	S	2	17	33.3				32		
		F	2	18	5						
		eP	12	42	10.7						
814	Dec. 16	S	12	42	15.0				88		
		F	12	42	27						
		eP	0	34	13.9						
815	Dec. 16	S	0	34	25.7	0.7	+ 4	+ 2			
		F	0	34	59						
		S	7	9	59.9						
816	Dec. 17	F	7	10	53	0.6	- 1	+ 6	+ 2	55	
		iP	9	55	15.2						
		S	9	55	22.5						
		M _{EN}	9	55	23.0						
		M _Z	9	55	27.2						
817	Dec. 20	F	9	58	2	0.7	+ 108	- 129	+ 34	210	
		eP	2	42	40.4						
		P ₁	2	42	58.5						
		S	2	43	8.6						
		M _N	2	43	16.3						
		M _E	2	43	20.1						
		F	2	44	38						
818	Dec. 22	eP	2	43	20.1	1.1	- 6		- 7	617	
		S	8	10	30.8						
		M _E	8	12	21.8						
		M _N	8	12	30.1						
		C	8	15	16						
819	Dec. 23	F	8	22		3.7	+ 5		- 7		
		S	3	10	58.9						
		F	3	11	52						
820	Dec. 24	eP	9	1	52.5						
		F	9	2	57						
821	Dec. 25	P	17	0	41.6				35		
		S	17	0	46.3						
		F	17	1	3						
822	Dec. 27	P	17	1	3	1.1	- 3	- 3	50		
		S	3	51	40.8						
		M _N	3	51	47.6						
		M _E	3	51	48.4						
823	Dec. 28	M _E	3	51	49.1	1.1	- 8				
		F	3	52	41						
		S	9	32	44.3						
824	Dec. 28	F	9	33	6				54		
		eP	20	6	29.1						
825	Dec. 28	S	20	6	36.3	1.1	+ 2	+ 3	- 5	59	
		F	20	6	52						
		iP	23	50	27.9						
		S	23	50	35.9						
		M _E	23	50	37.1						
824	Dec. 28	M _Z	23	50	39.4	0.7	- 21	- 35	- 7		
		M _N	23	50	42.4						
		M _E	23	50	37.1						
825	Dec. 28	M _Z	23	50	39.4	0.7	- 38		+ 9		
		M _N	23	50	42.4						
		M _E	23	50	37.1						
825	Dec. 28	M _Z	23	50	39.4	0.7	- 38		+ 9		
		M _N	23	50	42.4						
		M _E	23	50	37.1						





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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		
826	Dec. 29	F	23	53	22	2.0				381	
		eP	3	28	58.6						
		P ₁	3	29	50.0						
827	Dec. 29	S	3	30	26.4			- 8		194	
		F	3	31	47						
		eP	12	56	24.9						
828	Dec. 30	S	12	56	51.0					220	
		F	12	57	57						
		eP	11	51	13.3	0.6	- 3	+ 4			
		S	11	51	42.9	0.6	- 5				
829	Dec. 31	M _E	11	51	45.4	0.6					
		M _N	11	51	47.3	0.6		+ 7			
		F	11	52	51						
830	Dec. 31	S	11	59	48.3						
		F	12	0	41						
830	Dec. 31	S	21	47	14.2						
		F	21	48	19						

Corrigenda.			
Page	Line	Read	For
5	5	55.2	55.4
5	21	eP	iP
5	48	eS	S
14	53	-43	+43
32	58	25.4	425.
33	23	iP	P
36	36	12.8	12.9