TYOSI, JAPAN.

SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

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

INSTRUMENTAL CONSTANTS

LNSTRUMENT	COMPONENT	MASS kg	DAMMPING	T_0	$\frac{r}{T_0^2}$	ε	V
Wiechert	N—S	200	Air	6.3	0.004	7	97
	E—W	200	„	3.7	0.020	4	76
Wiechert	U—D	80	Magnetic	3.4	0.022	6	75
Omori	N—S	14.5	„	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

From Jan. 2 to Jan. 6 1930 No. 1

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
1	Jan.2	iLEN	2 46 07.3	0.8	+4	+4			
		F	2 46 30						
2	Jan.2	P	9 24 33.0					67	
		eLEN	9 24 42.0						
		F	9 25 59						
3	Jan.3	e	11 06 03.3						
		F	11 06 31						
4	Jan.3	eP	20 54 42.6					133	
		LEN	20 55 00.7						
		F	20 56 25						
5	Jan.5	ePZ	10 23 39.4					1960	
		ePN	10 23 42.3						
		ePE	10 23 46.1						
		L	10 26 48.3						
		FE	10 37 ±						
6	Jan.6	eP	3 54 51.8					844	
		eL	3 56 45.6						
		FE	4 21 ±						
7	Jan.6	ePZ	8 07 05.3					122	
		ePEN	8 07 06.4						
		LEN	8 07 22.9						
		F	8 09 44						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
8	Jan.6	ePE	21 25 51.4					71	
		eL	21 26 01.0						
		F	21 26 38						
9	Jan.7	e	19 43 50.1						
		F	19 44 19						
10	Jan.11	eP	15 10 56.3					16	
		LEN	15 10 58.5						
		F	15 11 15						
11	Jan.11	PZ	16 14 00.3	0.1			+12	70	Felt slightly. Mouth of River Kuji.
		PEN	16 14 02.0						
		LEN	16 14 11.4						
		ME	16 14 11.7	0.3	±18				
		F	16 16 06						
12	Jan.12	PZ	6 22 30.0					490	
		PE	6 22 33.3						
		LZ	6 23 36.1						
		LE	6 23 39.7						
		F	6 25 43						
13	Jan.12	eP	20 03 55.5					86	
		LEN	20 04 07.1						
		F	20 04 52						
14	Jan.15	e	12 45 05.5						
		F	12 45 12						
15	Jan.15	eL	20 12 07.8						
		F	20 13 09						
16	Jan.17	P	18 45 03.9					23	
		L	18 45 07.0						
		F	18 45 25						
17	Jan.17	PZ	19 09 03.0					27	
		PEN	19 09 03.8						
		L	19 09 07.4						
		F	19 09 41						
18	Jan.19	ePN	5 27 11.1					36	
		L	5 27 15.9						
		F	5 27 30						
19	Jan.19	P	15 50 12.0					119	
		L	15 50 28.1						
		FE	15 52 15						
20	Jan.21	e	11 01 06.8						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	Amplitude AN μ	Amplitude AZ μ	△ km.	Remarks
		F	11 01 30						
21	Jan.21	PZ	13 28 13.4					54	
		PEN	13 28 14.6						
		LEN	13 28 21.9	1·4	−23	−26			
		FE	13 30 43						
22	Jan.21	eP	22 09 53.0					44	
		L	22 09 58.9	1.2	−10	+ 6			
		F	22 11 19						
23	Jan.21	eLEN	23 01 45.4						
		eLZ	23 01 46.8						
		F	23 03 19						
24	Jan.22	e	7 28 19.3						
		F	7 29 15						
25	Jan.23	eP	3 05 12.0					50	
		L	3 05 18.8						
		F	3 05 46						
26	Jan.23	eP	7 49 34.3					129	
		eLNE	7 49 51.7						
		F	7 51 31						
27	Jan.23	ePN	19 49 29.0					35	
		L	19 49 33.7						
		F	19 50 06						
28	Jan.25	eP	8 41 26.0					251	
		eL	8 41 59.8						
		F	8 43 14						
29	Jan.25	P	13 47 59.2					75	
		LEN	13 48 09.3						
		F	13 43 09						
30	Jan.25	PZ	20 42 24.1					79	Felt slightly Kasima nada.
		PEN	20 42 25.1						
		LZ	20 42 32.4						
		LEN	20 42 35.7	1.2	+26	− 51			
		ME	20 42 36.0	1.2	±44				
		F	20 45 24						
31	Jan.26	eP	21 24 31.4					1940	
		eL	21 27 38.1						
		F	21 29 21						
32	Jan.27	eP	1 24 13.2						
		F	1 24 52						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
33	Jan.27	P	19 37 33.6					89	
		eLE	19 37 45.6						
		eLN	19 37 47.6						
		F	19 39 23						
34	Jan.28	P	0 52 26.3					88	
		LEN	0 52 38.1						
		F	0 53 49						
35	Jan.28	eP	5 24 35.6					61	
		eL	5 24 43.8						
		F	5 25 43						
36	Jan.31	P	2 40 01.2					45	
		L	2 40 07.3						
		F	2 41 21						
37	Jan.31	eP	3 20 29.1					333	
		eL	3 21 14.0						
		F	3 22 33						
38	Feb. 1	Pz	15 03 23.6					50	
		L	15 03 30.3						
		F	15 03 51						
39	Feb. 2	P	8 07 28.6					56	
		S	8 07 36.1						
		L	8 07 40.1	1.0	−235	+236			
		F	8 10 03						
40	Feb. 2	PN	20 10 10.4					96	
		L	20 10 23.3						
		F	20 11 54						
41	Feb. 3	eN	0 10 59						
		F	0 26 ±						
42	Feb. 3	P	6 01 44.0	0.4	−3	+9	−32	58	Felt moderately.
		L	6 01 51.8	0.8	−283	−354	−74		Lake Kitaura.
		F	6 04 10						
43	Feb. 4	P	15 05 52.6					76	
		L	15 06 02.9						
		F	15 08 33						
44	Feb. 5	eP	9 35 35.7						
		F	9 36 19						
45	Feb. 5	P	12 59 34.0					68	
		SEN	12 59 43.2	0.5	+15	−10			
		LEN	12 59 46.2	0.5	−92	+109			

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	Δ km.	Remarks
		Lz	12 59 46.2	0.7			+21		
		F	13 02 36						
46	Feb. 6	P	8 43 45.7					38	
		L	8 43 50.8	0.7	+ 9	+22			
		F	8 44 37						
47	Feb. 7	ePEN	17 42 17.5					102	
		ePZ	17 42 25,9						
		eLE	17 42 31.3						
		eLN	17 42 34.0					.	
		eLz	17 42 34.9						
		FN	17 55 ±						
48	Feb. 8	P	7 30 48.8					62	
		L	7 30 57.2						
		F	7 31 27						
49	Feb. 11	ePZ	9 13 36.0					460	
		ePEN	9 13 38.3						
		eLN	9 14 35.0						
		eLE	9 14 40.4						
		eLz	9 14 40.7						
		F	9 17 ±						
50	Feb. 11	P	15 03 04					121	
		L	15 03 21						
		F	15 05 21						
51	Feb. 12	eP	4 04 40.9					43	
		LEN	4 04 46.7						
		eLz	4 04 48.1						
		F	4 05 04						
52	Feb. 12	eP	4 20 40.5					83	
		eLEN	4 20 51.7						
		F	4 21 40						
53	Feb. 14	eP	2 20 39.8						
		F	2 20 56						
54	Feb. 14	ePE	21 46 19.4					94	
		eSE	21 46 32.0						
		eLN	21 46 37.2						
		eLE	21 46 39.0						
		F	21 47 48						
55	Feb. 15	ePZ	1 13 01.5					88	
		LEN	1 13 11.9						
		Lz	1 13 13.4						
		F	1 13 43						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
56	Feb. 15	eP	4 23 44.6					23	
		L	4 23 47.7						
		F	4 24 11						
57	Feb. 15	eP	6 13 06.7					21	
		L	6 13 09.5						
		F	6 13 16						
58	Feb. 15	eP_E	10 26 13.0					711	
		eS	10 27 31.1						
		eL_N	10 27 48.7						
		F	10 29 51						
59	Feb. 15	P	12 32 39.8					73	
		eL_{EN}	12 32 49.7						
		F	12 33 35						
60	Feb. 17	eP_N	10 30 29.6					153	
		eL_N	10 30 50.2						
		eL_E	10 30 51.1						
		F	10 32 ±						
61	Feb. 17	eL_E	10 31 28.2						
		F	10 32 14						
62	Feb. 17	e_1	10 32 43.9						
		e_2	10 32 52.3						
		e_3	10 33 01.9						
		F	10 33 07						
63	Feb. 17	eP	10 55 04.1						
		F	10 55 28						
64	Feb. 17	eP	11 57 56.4					58	
		eL	11 58 04.2						
		F	11 58 22						
65	Feb. 18	eP	2 06 23.6					108	
		L	2 06 28.6						
		F	2 07 15						
66	Feb. 19	eP	1 08 17.7						
		F	1 08 34						
67	Feb. 19	eP	18 58 44					30	
		eL	18 58 48						
		F	18 58 55						
68	Feb. 20	eP	11 29 21.1						
		F	11 30 26						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
69	Feb. 20	ePg	13	46	44.6						
		F	13	48	12						
70	Feb. 20	P	14	19	12.0					27	Felt slightly.
		$\overline{P}_{EN}$	14	19	12.2						Off cape Inubō.
		L_{EN}	14	19	15.7	0.5	−19	−22			
		F	14	19	53						
71	Feb. 20	e	14	53	16.9						
		L	14	53	49.1						
		F	14	54	06						
72	Feb. 20	ePg	15	19	19.8					105	
		eL	15	19	33.9						
		F	15	19	39						
73	Feb. 20	P	18	07	44.0					103	
		$_eL_{EN}$	18	07	57.9						
		F	18	09	23						
74	Feb. 21	ePg	2	04	29.9						
		F	2	04	47						
75	Feb. 21	P	8	37	25.2	0.3	+ 1	− 1	+ 2	154	
		L_{EN}	8	37	45.9	0.7	+13	−18			
		M_N	8	37	58.3	0.9		−25			
		F	8	43	±						
76	Feb. 21	ePg	10	01	37.5						
		F	10	02	17						
77	Feb. 21	ePg	22	45	16.6						
		F	22	45	50						
78	Feb. 22	ePg	1	10	04.3						
		F	1	10	39						
79	Feb. 22	ePg	6	55	27.4					125	
		L	6	55	48.2						
		F	6	57	09						
80	Feb. 22	ePg	9	08	53.7						
		F	9	09	57						
81	Feb. 22	ePg	14	48	34.0					146	
		eL	14	48	53.7						
		F	14	50	57						
82	Feb. 22	P	20	22	20.1	0.3		− 1	+ 2	148	
		L	20	22	40.1	0.7	+15	−21			

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
		F	20 28 ±						
83	Feb. 23	P	0 09 25.4					21	
		L	0 09 28.2						
		F	0 09 41						
84	Feb. 23	ePg	6 26 44.6					27	
		L	6 26 48.3						
		F	6 27 02						
85	Feb. 23	ePg	10 22 27.7					33	
		eL	10 22 32.2						
		F	10 23 06						
86	Feb. 23	ePg	19 16 05.4					539	
		eL	19 17 18.1						
		F	19 21 ±						
87	Feb. 24	P	5 18 20.3					65	
		LEN	5 18 29.1						
		F	5 20 20						
88	Feb. 24	ePg	19 49 05.5					454	
		eL	19 50 06.7						
		F	19 51 49						
89	Feb. 25	ePg	1 16 12.9					23	
		eL	1 16 16.0						
		F	1 16 25						
90	Feb. 25	ePg	20 05 58.2					58	
		L	20 06 06.0						
		F	20 07 44						
91	Feb. 25	ePg	20 41 43.0					46	
		L	20 41 49.2						
		F	20 42 13						
92	Feb. 27	P	14 05 15.2					70	
		LEN	14 05 24.7						
		F	14 06 24						
93	Feb. 28	ePg	18 29 33.5					132	
		eL	18 29 50.5						
		F	18 30 50						
94	Feb. 28	ePg	18 31 23.2					160	
		P̄	18 31 30.2						
		LEN	18 31 44.8						
		F	18 35 39						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
95	Feb. 28	ePE	21 10 36.4						
		F	21 11 47						
96	Mar. 1	ePE	13 05 12.0						
		eL	13 05 13.8						
		F	13 05 36						
97	Mar. 1	ePE	22 38 11.1					131	
		L	22 38 28.8						
		F	22 39 37						
98	Mar. 2	P	2 42 50.6					86	Felt slightly.
		LEN	2 43 02.2						Neighbourhood of Tiba
		F	2 45 09						
99	Mar. 2	P	12 27 12.8					151	
		eL	12 27 33.2						
		F	12 28 37						
100	Mar. 3	ePE	21 14 48.6					154	
		eLEN	21 15 09.4						
		F	21 16 45						
101	Mar. 3	ePE	22 04 41.7					147	
		eLEN	22 05 01.5						
		F	22 05 57						
102	Mar. 3	ePE	22 55 33.7					151	
		eLEN	22 55 54.0						
		F	22 58 32						
103	Mar. 4	ePE	3 51 00.6					147	
		eLEN	3 51 20.4						
		F	3 52 30						
104	Mar. 4	ePE	5 11 25.3					151	
		LE	5 11 45.6	1.1	−16				
		LN	5 11 45.6	0.7		+22			
		MN	5 11 52.4	1.3		+40			
		ME	5 12 08.1	1.3	+28				
		F	5 14 45						
105	Mar. 4	ePEN	13 45 55.1					199	
		ePZ	13 45 56.8						
		L	13 46 21.9						
		F	13 46 47						
106	Mar. 4	eP	23 49 05.0					117	
		eL	23 49 20.8						
		F	23 50 13						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
107	Mar. 5	PZ	0 08 53.5					157	
		ePN	0 08 54.7						
		ePE	0 08 58.2						
		$\bar{P}$	0 09 03.2						
		L	0 09 14.7						
		F	0 11 06						
108	Mar. 6	ePZ	1 00 26.0					153	
		ePN	1 00 34.0						
		ePE	1 00 34.8						
		eLEN	1 00 46.6						
		F	1 02 44						
109	Mar. 6	ePZ	1 53 08.1					159	
		ePN	1 53 15.5						
		eLEN	1 53 29.5						
		F	1 54 46						
110	Mar. 6	eP	12 33 34.5					689	
		LE	12 35 07.3	3.0	−16				
		LN	12 35 09.3	1.7		−14			
		ME	12 35 11.5	3.5	−36				
		MN	12 35 11.5	1.7		+19			
		F	12 37 14						
111	Mar. 7	ePZ	15 13 19.6					101	
		ePN	15 13 20.4						
		ePE	15 13 21.7						
		LE	15 13 33.2						
		eLZ	15 13 34.6						
		F	15 15 05						
112	Mar. 8	eP	5 45 55.9						
		F	5 46 57						
113	Mar. 9	P	4 40 03.0	0.5	+ 2	− 2	+ 3	151	
		L	4 40 23.3	0.5	+24	+20			
		F	4 43 10						
114	Mar. 9	ePZ	18 18 47.4					148	
		ePEN	18 18 49.3						
		$\bar{P}$	18 18 54.0						
		LEN	18 19 09.3						
		F	18 20 33						
115	Mar. 9	eP	18 41 51.0					474	
		eSE	18 42 33.2						
		eLEN	18 42 54.9						
		F	18 47 33						
116	Mar. 9	eP	19 03 17					159	
		eL	19 03 38						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	Amplitude AN μ	Amplitude AZ μ	△ km.	Remarks
		F	19 04 56						
117	Mar. 9	P	19 54 40					159	
		$\bar{P}$	19 54 47						
		L	19 55 02						
		M_N	19 55 09						
		M_E	19 55 26						
		F	20 01 ±						
118	Mar. 9	eP	20 13 25					417	
		eL	20 14 22						
		F	20 16 59						
119	Mar.10	eP	4 58 42					139	
		eL	4 59 01						
		F	5 00 16						
120	Mar.10	eP	12 56 31.6					180	
		eL	12 56 56.6						
		F	12 58 30						
121	Mar.10	eP	21 38 30.2					281	
		eL	21 39 08.2						
		F	21 40 30						
122	Mar.11	P	0 44 48						
		F	0 45 39						
123	Mar.11	P	1 31 00					1675	
		L_E	1 33 26	7.8	+40				
		L_N	1 33 31	3.9		−47			
		F	1 37 17						
124	Mar.12	P	1 40 55.2					273	
		$\bar{P}_N$	1 41 10.5						
		$\bar{P}_E$	1 41 12.2						
		L_{EN}	1 41 32.0						
		F	1 43 54						
125	Mar.12	P	8 49 57.2					94	
		$\bar{P}_{EN}$	8 50 04.4						
		L_{EN}	8 50 09.8						
		M_E	8 50 11.2	0.8	+20				
		F	8 51 32						
126	Mar.12	P	12 46 50.0					128	
		$\bar{P}$	12 46 57.2					208	
		S	12 47 07.3						
		$\bar{S}$	12 47 25.3						
		F	12 51 ±						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
127	Mar.12	ePg	21	15	17.4					872	
		eLg	21	17	14.9						
		F	21	18	12						
128	Mar.12	ePg	21	47	41.4					227	
		eLg	21	48	12.0						
		F	21	49	07						
129	Mar.12	ePg	23	55	11.1						
		F	23	55	44						
130	Mar.13	ePg	3	19	45.8					156	
		$\overline{P}$	3	19	52.9						
		L	3	20	06.8						
		F	3	21	11						
131	Mar.13	P	4	29	22.5					268	
		$\overline{P}$	4	29	27.9					344	
		SZ	4	29	54.0						
		SEN	4	29	58.7						
		$\overline{S}$Z	4	30	09.9						
		$\overline{S}$EN	4	30	14.2						
		ME	4	30	36.7	1.0	+12				
		F	4	36	±						
132	Mar.13	P	5	20	14.9					63	
		L	5	20	23.4						
		F	5	21	12						
133	Mar.13	ePg	9	32	48.3					209	
		eLg	9	33	16.5						
		F	9	34	05						
134	Mar.14	PEN	1	22	23.5					27	
		PZ	1	22	23.9	0.1			+ 7		
		LEN	1	22	27.1	0.5	+12	−24			
		LZ	1	22	28.4	0.5			+ 4		
		F	1	23	16						
135	Mar.14	ePg	14	16	48.9						
		$\overline{P}$	14	16	56.0					148	
		L	14	17	08.8						
		F	14	18	05						
136	Mar.14	P	14	19	50.6						
		$\overline{P}$	14	19	57.1					164	
		eLEN	14	20	12.7						
		F	14	21	57						
137	Mar.14	e	15	21	22.5						
		F	15	22	13						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
138	Mar.14	e	15 42 22.7						
		F	15 43 56						
139	Mar.14	$_eP$	17 13 39.4					122	
		$_eL$	17 13 55.8						
		F	17 15 04						
140	Mar.14	$_eP_E$	21 05 27.5					111	
		$_eP_Z$	21 05 32.9						
		L	21 05 46.0						
		F	21 06 47						
141	Mar.14	e	22 18 55.3						
		F	22 19 25						
142	Mar.15	P_Z	18 34 11.8					147	
		P_{EN}	18 34 13.2						
		L_Z	18 34 27.5	0.7			+ 4		
		L_{EN}	18 34 33.0	0.5	+ 9	−12			
		M_Z	18 34 36.5	0.5			− 5		
		M_{EN}	18 34 45.8	0.7	−12	+15			
		F	18 37 29						
143	Mar.16	e	1 09 00.3					85	
		$_eL$	1 09 11.8						
		F	1 10 11						
144	Mar.16	$_eP$	19 27 22					31	
		L	19 27 26						
		F	19 27 38						
145	Mar.16	$_eP$	20 15 06					25	
		L	20 15 09						
		F	20 15 31						
146	Mar.17	$_eL$	0 08 40.9						
		F	0 08 57						
147	Mar.17	$_eL$	1 30 25.0						
		F	1 30 37						
148	Mar.17	$_eP$	2 09 06.8					118	
		$_eL$	2 09 22.7						
		F	2 10 44						
149	Mar.17	e_E	19 07 56.5						
		$_eL_{EN}$	19 08 07.2						
		F	19 09 04						
150	Mar.17	e_N	19 24 37.5						
		$_eL$	19 24 43.0						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
		F	19	25	14						
151	Mar.18	e_N	2	11	53.9						
		$_eL$	2	12	13.1						
		F	2	13	06						
152	Mar.18	e_N	2	46	45.5						
		$_eL$	2	47	02.4						
		F	2	48	01						
153	Mar.19	e	8	27	32.2						
		$_eL$	8	27	49.9						
		F	8	28	46						
154	Mar.19	$_eP$	10	17	06.9					147	
		$_eL$	10	17	26.7						
		F	10	20	42						
155	Mar.21	$_eP$	8	39	48.3					139	
		$_eL$	8	40	07.0						
		F	8	41	18						
156	Mar.21	P	23	24	33.5					153	
		L	23	24	54.1	1.3	+ 8	−17			
		M_N	23	25	07.6	1.3		−19			
		M_E	23	25	16.1	1.3	+13				
		F	23	30	30						
157	Mar.22	$_eP_N$	17	02	48.0					484	
		$_eP_E$	17	02	49.3						
		$_e\bar{P}_E$	17	02	59.0						
		$_e\bar{P}_N$	17	03	01.2						
		$_eS_N$	17	03	53.3						
		$_eS_E$	17	03	54.6						
		$\bar{S}$	17	04	05.1						
		F	17	05	46						
158	Mar.22	P	17	51	02.4	1.6	+15	+ 7	+16	150	
		$\bar{P}_E$	17	51	09.4	1.9	−56				
		$\bar{P}_N$	17	51	09.4	1.1		−15			
		L_{EN}	17	51	22.6	1.6	+77	−103			
		M_Z	17	51	45.4	4.0			+117		
		M_{E1}	17	51	46.2	2.4	+148				
		M_{N1}	17	51	55.7	3.8		±149			
		M_{N2}	17	52	10.7	5.4		±281			
		M_{E2}	17	52	16.4	5.9	±198				
		M_{N3}	17	53	09.4	3.6		±123			
		M_{E3}	17	53	16.8	6.0	±250				
		F	18	11	±						
159	Mar.23	P	0	24	40.2					74	Felt slightly.

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
		L	0 24 50.2	0.6	− 8	+ 6			Upper Valley of River Omoi.
		F	0 26 09						
160	Mar.23	eP	13 09 00.1						
		F	13 09 32						
161	Mar.24	eP_E	15 02 42					89	
		eL	15 02 54						
		F	15 04 02						
162	Mar.24	eP	15 49 42.7						
		F	15 50 54						
163	Mar.25	eP	15 09 13.6					87	
		L	15 09 25.3						
		F	15 10 11						
164	Mar.25	eP	20 29 32.2					707	
		eL	20 31 07.5						
		F	20 32 27						
165	Mar.25	eP	22 40 34.4					95	
		L	22 40 47.2						
		F	22 41 40						
166	Mar.26	eP	4 56 21.2					33	
		L	4 56 25.7						
		F	4 57 05						
167	Mar.26	P	14 23 08.0			+	+	157	
		M_Z	14 23 25.5	1.7			−10		
		L_{NE}	14 23 29.1	1.3	+15	−28			
		M_N	14 23 42.8	1.5		+48			
		M_{E1}	14 23 50.8	2.5	−37				
		M_{E2}	14 24 22.3	3.6	−29				
		M_{E3}	14 25 26.9	5.6	+46				
		F	14 34 ±						
168	Mar.26	eP	16 20 27.5					3393	
		eL_E	16 27 04.0						
		F	17 20 ±						
169	Mar.27	P	1 41 57.2			+	+	155	
		M_Z	1 42 10.5	1.1			−14		
		L_{EN}	1 42 18.1	0.8		−25			
		M_N	1 42 37.1	1.3		−25			
		M_E	1 42 48.5	1.7	+27				
		F	1 52 ±						
170	Mar.27	eP	11 46 13.9					45	
		eL	11 46 20.0						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	Amplitude A_N μ	Amplitude A_Z μ	△ km.	Remarks
		F	11 46 57						
171	Mar.27	eP	12 46 11.5					51	
		eL	12 46 18.4						
		F	12 46 58						
172	Mar.28	eP_{EN}	13 22 51.0					53	
		eP_Z	13 22 52.0						
		L_{EN}	13 22 58.1	1.0	− 6	− 6			
		eL_Z	13 23 01.0						
		F	13 24 02						
173	Mar.28	eP	21 53 07.0					47	
		eL	21 53 13.3						
		F	21 54 05						
174	Mar.29	eP	2 46 53.9						
		F	2 47 49						
175	Mar.29	eP	2 53 41.0					140	
		eL	2 53 59.9						
		F	2 54 24						
176	Mar.29	eP	3 11 56.3					161	
		L_{EN}	3 12 18.1						
		F	3 16 04						
177	Mar.29	eP	4 04 49.4					115	
		eL	4 05 04.9						
		F	4 06 09						
178	Mar.29	eP	9 56 21.4					389	
		L	9 57 13.9						
		F	9 58 47						
179	Mar.30	eP	0 06 46.0					150	
		$\overline{P}$	0 06 52.5						
		L	0 07 06.2						
		F	0 08 37						
180	Mar.30	eP	5 40 51.8						
		F	5 41 52						
181	Mar.30	eP	14 08 37.3					321	
		L	14 09 20.6						
		F	14 09 57						
182	Mar.31	eP	10 00 19.3					164	
		L	10 00 41.4						
		F	10 02 20						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
183	Mar.31	ePg	13	16	20.5					54	
		Lg	13	16	27.8						
		F	13	16	41						
184	Mar.31	P	13	59	52.8					87	
		Lg	14	00	04.5						
		F	14	01	19						
185	Apr. 1	ePg	12	18	14.9					173	
		eLEN	12	18	38.2						
		F	12	19	35						
186	Apr. 1	P	18	15	10.3					4	
		LEN	18	15	10.8						
		F	18	15	51						
187	Apr. 1	P	18	23	27.1						
		F	18	23	39						
188	Apr. 1	ePE	23	04	51.9					167	
		ePNZ	23	04	52.8						
		$\bar{P}$Z	23	04	59.0						
		$\bar{P}$EN	23	05	01.0						
		LEN	23	05	14.4						
		MN	23	05	20.7	1.3		+12			
		ME	23	05	36.5	2.3	+17				
		F	23	10	57						
189	Apr. 3	ePg	4	22	57.1					175	
		Lg	4	23	20.7						
		F	4	24	27						
190	Apr. 6	P	5	20	19					47	Felt slightly. NE off Tyosi.
		LEN	5	20	25	1.0	+23	+31			
		F	5	21	47						
191	Apr. 7	ePg	1	31	51.6					107	
		eLg	1	32	06.0						
		F	1	33	17						
192	Apr. 8	Lg	23	07	41.8						
		F	23	08	06						
193	Apr. 9	ePg	17	37	04.6					167	
		eLg	17	37	27.1						
		F	17	38	36						
194	Apr.10	P	8	46	50.6	0·4	+ 2	− 5	+16	69	Felt moderately. Lower Valley of River Naka.
		LEN	8	46	59.9	1 7	+78	+73			
		F	8	50	26						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
195	Apr.10	eL	17 24 15.2						
		F	17 24 48						
196	Apr.11	eP	1 01 21.9						
		F	1 02 15						
197	Apr.11	P	2 19 41.0					25	
		L	2 19 44.4						
		F	2 19 51						
198	Apr.11	eP	15 05 39.3					56	
		L	15 05 46.9						
		F	15 06 38						
199	Apr.11	eP	20 43 03.7					88	
		eL	20 43 15.5						
		F	20 43 48						
200	Apr.13	eP	15 24 32.8					113	
		eL	15 24 48.0						
		F	15 26 09						
201	Apr.20	e	8 38 05.8						
		F	8 38 56						
202	Apr.21	e	8 25 55.9						
		F	8 26 46						
203	Apr.21	e	8 36 20.4						
		F	8 38 04						
204	Apr.21	eP	19 22 04.8					948	
		eS	19 24 11.6						
		F	19 26 52						
205	Apr.23	eP	20 51 14.0					30	
		L	20 51 18.0						
		F	20 52 10						
206	Apr.24	eP	6 51 55.3					1054	
		eS	6 53 48.7						
		eLN	6 54 36.8						
		eLE	6 54 40.4						
		FE	8 21 ±						
207	Apr.24	eP	9 28 35.1					353	
		eLE	9 29 22.7						
		FN	9 59 ±						
208	Apr.27	eLE	1 32 27.9						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		eLN	1	33	28.5						
		F	1	40	±						
209	Apr.27	eP	12	31	30.2					72	
		L	12	31	39.9						
		F	12	32	25						
210	Apr.29	eP	1	20	19.9					38	
		eL	1	20	25.0						
		F	1	20	46						
211	Apr.29	eL	3	53	58.7						
		F	4	13	±						
212	Apr.29	eP	20	05	59.1					59	
		eL	20	06	07.1						
		F	20	07	39						
213	May 1	P	9	58	03·8	2.6	+250	+180	+770	18	Felt strongly.
		MZ	9	58	05.1	1.8			−2100		Northern Part of
		LEN	9	58	09.9	1.6	−2500	+2000			Kujukurihama.
		MEN	9	58	14.1	1.5	±7900	±4600			
		FN	10	10	±						
214	May 1	eP	10	13	36.9					47	
		eL	10	13	43.3						
		F	10	14	28						
215	May 1	P	10	15	56.1	1.1	+10	+12	+38	15	Felt slightly.
		LEN	10	16	01.5	0.6	+206	−200			Northern Part of
		ME	10	16	04.5	1.0	+276				Kujukurihama.
		F	10	18	17						
216	May 1	ePEN	10	24	19.3					40	
		ePZ	10	24	21.3						
		eLEN	10	24	24.7						
		F	10	25	13						
217	May 1	P	10	34	01.8					24	
		SEN	10	34	05.0						
		LEN	10	34	07.1						
		F	10	35	15						
218	May 1	eP	10	41	38.8						
		F	10	41	57						
219	May 1	eP	10	44	17.7						
		F	10	44	46						
220	May 1	eP	10	49	50.7						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	Amplitude A_N μ	Amplitude A_Z μ	△ km.	Remarks
		F	10 50 15						
221	May 1	P	10 57 26.7					27	
		S	10 57 30.3						
		L	10 57 32.0	1.1	+22				
		F	10 59 05						
222	May 1	P	11 02 30.3					44	
		L	11 02 36.2	0.9	+16	--26			
		F	11 04 00						
223	May 1	eP	11 04 49.5						
		F	11 05 04						
224	May 1	eP	11 09 06.2					46	
		eL	11 09 12.4						
		F	11 09 49						
225	May 1	P	11 12 49.9					25	
		S	11 12 53.3						
		L	11 12 56.0						
		F	11 14 21						
226	May 1	eP	11 20 24.8						
		F	11 20 43						
227	May 1	eP	12 14 06.1					57	
		eL	12 14 13.8						
		F	12 14 47						
228	May 1	eP	12 32 35.4						
		F	12 32 47						
229	May 1	eP	12 33 31.2					56	
		eL	12 33 38.8						
		F	12 34 19						
230	May 1	eP	12 36 24.4					36	
		eL	12 36 29.3						
		F	12 36 45						
231	May 1	eP	12 42 29.1						
		F	12 42 52						
232	May 1	P	13 03 09.0					28	
		S	13 03 12.8						
		L	13 03 14.7						
		F	13 05 ±						
233	May 1	eP	13 04 07.4						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	13 04 47						
234	May 1	P	13 20 35.3	2.6	+65	+39	+194	14	Felt rather strongly.
		MZ	13 20 37.9	1.9			+300		Northern part of
		L	13 20 40.9	1.3	--205	−478			Kujukurihama.
		ME	13 20 43.4	2.1	±440				
		F	13 26 ±						
235	May 1	P	13 24 36.7	0.8			+14	35	
		L	13 24 41.4						
		MEN	13 24 43,8	0.9	+43	−21			
		F	13 25 50						
236	May 1	P	13 27 52.8					40	
		L	13 27 58.2						
		F	13 28 38						
237	May 1	eP	13 33 12.0						
		F	13 33 34						
238	May 1	eP	13 35 16.7						
		F	13 36 22						
239	May 1	eP	13 40 23.8						
		F	13 40 55						
240	May 1	eP	13 45 08.3					40	
		eL	13 45 13.7						
		F	13 46 29						
241	May 1	P	13 46 17.8					39	
		L	13 46 23.0						
		ME	13 46 23.3	0.8	+29				
		MN	13 46 23.8	0.8		±23			
		F	13 47 36						
242	May 1	eP	13 52 01.0					48	
		eL	13 52 07.5						
		F	13 52 40						
243	May 1	eP	13 59 30.2					44	
		eL	13 59 35.9						
		F	14 00 32						
244	May 1	eP	14 15 54.1					47	
		eL	14 16 00.4						
		F	14 17 13						
245	May 1	eP	14 23 12.2						
		F	14 26 48						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
246	May 1	ePg	14 40 37.1					14	
		eLg	14 40 39.0						
		F	14 40 51						
247	May 1	ePg	15 55 44.5						
		F	15 56 05						
248	May 1	ePg	16 01 48.9					40	
		eLg	16 01 54.3						
		F	16 02 37						
249	May 1	ePg	16 18 47.4					42	
		eLg	16 18 53.0						
		F	16 19 07						
250	May 1	ePg	16 40 52.9					41	
		eLg	16 40 58.4						
		F	16 41 51						
251	May 1	ePg	16 43 34.6					50	
		eLg	16 43 41.4						
		F	16 44 23						
252	May 1	ePg	16 50 58.0						
		F	16 51 26						
253	May 1	ePg	17 35 34.1						
		F	17 35 38						
254	May 1	ePg	18 05 21.8					30	
		eLg	18 05 25.8						
		F	18 05 34						
255	May 1	ePg	18 09 46.0					41	
		eLg	18 09 51.5						
		F	18 10 12						
256	May 1	ePg	18 24 52.9					40	
		eLg	18 24 58.3						
		F	18 25 18						
257	May 1	ePg	18 31 00.9						
		F	18 31 22						
258	May 1	ePg	20 41 39.6					37	
		eLg	20 41 44.6						
		F	20 42 05						
259	May 1	ePg	20 54 38.2					38	
		eLg	20 54 43.0						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	20 55 06						
260	May 1	eP	22 08 20.3					57	
		eL	22 08 28.0						
		F	22 08 45						
261	May 1	eP	22 49 55.1					29	
		eL	22 49 59.0						
		F	22 50 18						
262	May 2	P	0 07 15	0.5	+ 4	+ 3	+12	12	
		L	0 07 19	1.1	−16	−15			
		MEN	0 07 24	0.5	+35	−36			
		F	0 09 04						
263	May 2	eP	1 44 05.0						
		F	1 44 32						
264	May 2	eP	2 04 39.6						
		F	2 06 34						
265	May 2	eP	2 24 42					43	
		eL	2 24 48						
		F	2 25 04						
266	May 2	eL	6 22 43						
		F	6 22 56						
267	May 2	eP	6 56 49						
		F	6 57 17						
268	May 2	eP	16 13 09.5					37	
		eL	16 13 13.1						
		F	16 13 47						
269	May 3	P	2 50 51					32	
		S	2 50 55						
		L	2 50 58	0.8	+11				
		F	2 52 28						
270	May 3	eP	23 17 29.2						
		F	23 18 08						
271	May 3	P	23 49 55.7					42	
		L	23 50 01.4	0.8	+ 8	− 8			
		F	23 50 40						
272	May 4	eL	10 05 57.9						
		F	10 06 33						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
273	May 4	P	21	55	19.5	0.5	+ 4	+ 3	+ 9	15	Felt slightly.
		L	21	55	23.5	0.6	−43	+32			Northern part of
		ME	21	55	25.6	1.5	+87				Kujukurihama.
		MN	21	55	29.1	0.6		−70			
		F	21	57	12						
274	May 4	eP	23	37	00.7					41	
		L	23	37	06.2						
		F	23	37	35						
275	May 5	eP	1	14	53						
		F	1	15	13						
276	May 5	P	1	56	31					77	
		L	1	56	42						
		F	1	58	15						
277	May 5	eP	6	45	50						
		F	6	46	25						
278	May 5	eP	22	13	19.7						
		F	22	13	45						
279	May 5	ePE	23	00	35.2					8560	
		L	23	10	23.6	10.2	−104	−227			
		ME	23	13	16.8	13.3	±625				
		F	0	14	±						
280	May 6	eP	4	56	43.7						
		F	4	57	21						
281	May 6	P	7	47	47.2					24	
		L	7	47	50.4						
		ME	7	47	53.1	0.8	+35				
		MN	7	47	54.2	0.8		±28			
		F	7	49	05						
282	May 7	eP	7	51	20.7						
		F	7	52	25						
283	May 7	ePE	8	10	08.4					8050	
		eL	8	19	30.8						
		FE	8	49	±						
284	May 8	eP	5	28	26.4					119	
		L	5	28	42.4						
		F	5	29	08						
285	May 8	eP	5	41	33					110	
		L	5	41	48						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	Amplitude A_N μ	Amplitude A_Z μ	△ km.	Remarks
		F	5 43 42						
286	May 8	eP	7 43 15					116	
		L	7 43 31						
		F	7 45 05						
287	May 8	P	8 07 48.6					22	
		L	8 07 51.6						
		F	8 08 36						
288	May 8	eP	9 19 28.6					102	
		eL	9 19 42.3						
		F	9 20 22						
289	May 9	eP	13 25 47.4					112	
		eL	13 26 02.5						
		F	13 26 51						
290	May 9	eP	0 50 11					86	
		L	0 50 22						
		F	0 51 54						
291	May 9	eP	1 04 17					124	
		L	1 04 33						
		F	1 05 19						
292	May 9	eL	4 06 34.2						
		F	4 07 16						
293	May 9	eL	4 15 01						
		F	4 15 46						
294	May 9	eP	4 48 41					148	
		L	4 49 01						
		F	4 50 09						
295	May 9	eP	4 51 58					143	
		L	4 52 17						
		F	4 53 31						
296	May 9	eP	9 53 58.6					99	
		eL	9 54 11.9						
		F	9 54 43						
297	May 9	eP	11 53 00.9					136	
		eL	11 53 19.2						
		F_E	11 58 02						
298	May 9	eP	12 42 09.9					52	
		eL	12 42 16.9						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
		F	12 42 57						
299	May 9	eP	12 43 59.9					93	
		eL	12 44 12.5						
		F	12 45 21						
300	May 9	eL	16 49 08.4						
		F	16 50 13						
301	May 9	eP	17 36 28.8					145	
		eLE	17 36 48.4						
		eLN	17 36 49.5						
		FE	17 42 ±						
302	May 9	eP	19 03 28.4					81	
		eL	19 03 39.3						
		F	19 04 22						
303	May10	eP	3 33 10.2					159	
		eL	3 33 31.6						
		F	3 36 57						
304	May10	eL	3 50 00.3						
		F	3 51 08						
305	May10	eP	4 51 09.5					144	
		L	4 51 29.3						
		F	4 53 14						
306	May10	eL	8 21 19.6						
		F	8 22 19						
307	May10	eP	9 53 25.0					45	
		eL	9 53 31.0						
		F	9 54 11						
308	May10	eP	12 55 26.6					45	
		eL	12 55 32.6						
		F	12 56 11						
309	May10	eP	13 26 36.1					68	
		L	13 26 45.3						
		F	13 27 44						
310	May10	eP	15 53 59.9					522	
		eL	15 55 10.2						
		F	15 56 18						
311	May10	eP	17 59 48.4						
		F	18 00 27						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
312	May10	eL	20	13	28.8						
		F	20	14	17						
313	May10	eL	20	30	04.8						
		F	20	31	15						
314	May10	eP	20	57	28.2					56	
		eL	20	57	35.7						
		F	20	58	22						
315	May10	eP	21	07	36.2					90	
		L	21	07	48.4						
		F	21	09	48						
316	May10	$_{e}P_{E}$	22	07	11.9					261	
		eL	22	07	47.1						
		F	22	08	36						
317	May10	eP	22	48	22.2						
		F	22	48	58						
318	May11	$_{e}P_{E}$	0	01	44.0					93	
		$_{e}L_{E}$	0	01	56.6						
		$_{e}L_{N}$	0	01	58.7						
		F	0	03	05						
319	May11	eL	3	24	04.6						
		F	3	24	41						
320	May11	eP	3	56	52.5						
		F	3	57	43						
321	May11	L	7	45	45.3						
		F	7	46	09						
322	May11	eP	10	17	27.6					88	
		eL	10	17	39.5						
		F	10	19	02						
323	May12	eP	21	18	59.8						
		F	21	19	46						
324	May12	eP	21	27	11.7					146	
		L	21	27	31.4	1.3	+27	−24			
		F	21	37	±						
325	May13	eP	13	03	39					119	
		L	13	03	55						
		F	13	05	02						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	Amplitude A_N μ	Amplitude A_Z μ	△ km.	Remarks
326	May13	P	20 18 51.1					42	Felt slightly
		L	20 18 56.8						Neighbourhood of Tyosi.
		MEN	20 18 57.1	0.6	±29	±13			
		F	20 20 00						
327	May14	P	0 02 59					30	
		L	0 03 03						
		F	0 03 49						
328	May14	eP	3 32 31					46	
		eL	3 32 37						
		F	3 33 21						
329	May14	eP	4 50 49					116	
		L	4 51 08						
		F	4 52 27						
330	May14	eL	8 46 45.7						
		F	8 47 45						
331	May14	eP	8 56 31.5						
		F	8 56 37						
332	May14	eP	8 56 52.0					142	
		L	8 57 11.1	0.8	− 8	+11			
		F	9 01 49						
333	May14	P	11 15 55.5						
		F	11 16 24						
334	May14	eP	11 27 28.0						
		P	11 28 30						
335	May14	P	12 02 26.3					62	
		L	12 02 34.6						
		F	12 03 30						
336	May14	eP	12 52 56.9					125	
		eL	12 53 13.7						
		F	12 53 50						
337	May14	eP	14 53 42.3					110	
		eL	14 53 57.1						
		F	14 54 28						
338	May14	eP	17 36 10.6					383	
		eL	17 37 02.2						
		F	17 38 33						
339	May14	eP	18 11 22.4						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
		F	18	11	47						
340	May15	$_ePn$	1	34	15.2					49	
		L	1	34	21.8						
		F	1	36	±						
341	May15	$_ePn$	1	35	21.8					95	
		$_eL$	1	35	34.6						
		F	1	37	25						
342	May15	$_ePn$	15	58	33.1					104	
		L	15	58	47.1						
		F	16	05	±						
343	May15	e_E	16	44	04.0						
		L	16	44	08.0						
		F	16	45	09						
344	May15	$_ePn$	19	13	35.3					123	
		$_eL$	19	13	51.9						
		F	19	15	10						
345	May15	$_ePn$	19	26	18					160	
		L	19	26	40						
		F	19	27	57						
346	May15	$_ePn$	21	49	39.8					88	
		L	21	49	51.6						
		F	21	51	05						
347	May15	$_ePN$	23	31	04.9					130	
		L	23	31	22.4						
		F	23	32	24						
348	May16	P	4	39	03.9	0.2	− 3	+ 7	+43	7	Felt rather strongly. Northern part of kujukurihama.
		L	4	39	08.8	1.0	+46	+81			
		MEN	4	39	09.1	1.0	±156	±475			
		F	4	42	±						
349	May16	$_eL$	6	30	26.4						
		F	6	31	29						
350	May16	P	20	55	36.3	0.6	−22	+13		39	Felt slightly Northern part of kujukurihama.
		L	20	55	41.5						
		F	20	56	51						
351	May16	$_ePn$	22	35	05.4					90	
		$_eL$	22	35	17.6						
		F	22	37	28						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
352	May16	ePg	22	48	17.1						
		F	22	48	57						
353	May17	ePg	0	49	36.8						
		F	0	50	04						
354	May17	ePE	1	13	50.7					114	
		eL	1	14	06.0						
		F	1	15	04						
355	May17	ePg	4	06	19.1					123	
		L	4	06	35.7						
		F	4	07	28						
356	May17	ePg	5	06	41.4					99	
		L	5	06	54.7						
		F	5	07	46						
357	May17	Pg	5	14	33.5	2.2	+ 5	+ 2	+ 2	142	
		L	5	14	52.6						
		M_N	5	15	33.1	4.7		±154			
		M_E	5	16	50.1	5.5	±151				
		F	5	35	±						
358	May17	eL	5	23	36.8						
		F	5	24	15						
359	May17	eL	5	32	03.1						
		F	5	32	59						
360	May17	Pg	12	27	52.6					26	
		L	12	27	56.1						
		F	12	28	56						
361	May17	ePg	12	43	40.6						
		F	12	44	02						
362	May18	ePg	8	27	53.1						
		F	8	28	22						
363	May18	ePg	15	26	32.0					140	
		L	15	26	50.8						
		F	15	35	±						
364	May18	eL	15	54	13.6						
		F	15	55	21						
365	May18	eL	16	23	01.8						
		F	16	24	03						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
366	May19	P	19 32 27.4					89	
		L	19 32 39.4	1.3	−76	+29			
		M_N	19 32 39.7	0.7		−128			
		F	19 35 50						
367	May19	eP	20 21 07.3						
		F	20 21 32						
368	May20	eP	0 08 36.6					2680	
		eL_E	0 12 55.5						
		eL_N	0 12 57.1						
		M_E	0 13 02.2	8.1	±44				
		F	0 28 ±						
369	May20	L	2 16 29.9						
		F	2 17 17						
370	May20	eP	3 17 28.4					111	
		eL	3 17 43.4						
		F	3 18 50						
371	May20	eL	20 28 37.6						
		F	20 54 ±						
372	May20	e	20 54 03.6						
		F	20 55 12						
373	May21	P	7 11 26.3	1.5	+14	+13	+52	9	
		L	7 11 29.8	1.1	+22	−54			
		M_E	7 11 32.4	2.0	+155				
		M_N	7 11 34.4	1.5		+262			
		F	7 16 ±						
374	May21	eP	21 28 17.6					52	
		L	21 28 24.6						
		F	21 29 21						
375	May22	P	0 40 32.4					76	
		L	0 40 42.7						
		F	0 41 47						
376	May22	eL	0 42 05.1						
		F	0 42 41						
377	May22	eP	2 37 36.6					125	
		eL	2 37 53.5						
		F	2 40 22						
378	May22	P	6 03 36.6					39	
		eL	6 03 41.8						
		F	6 04 12						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude A_E μ	A_N μ	A_Z μ	△ km.	Remarks
379	May22	P	12	52	51.3					42	
		eL	12	52	56.9						
		F	12	53	32						
380	May22	eP	13	14	38.3						
		F	13	15	02						
381	May22	eP	14	23	06.6						
		F	14	23	46						
382	May23	e	20	23	52.6						
		eL	20	24	10.2						
		F	20	24	37						
383	May24	P	1	38	39.6	2.7	− 5	− 5	− 5	186	Felt moderately. South off the coast of Osima.
		$\overline{P}$	1	38	40.4	4.4	+30	+52	+75		
		L	1	39	04.7	1.2	+356	−490			
		MZ	1	39	06.2	1.7			±250		
		MN	1	39	09.1	2.2		±403			
		F	1	57	±						
384	May24	eP	5	23	21.4						
		F	5	24	01						
385	May24	eP	6	05	16.4						
		F	6	05	32						
386	May24	eP	6	34	24.7					314	
		eL	6	35	07.0						
		F	6	37	21						
387	May25	P	5	52	26.0					28	
		L	5	52	29.8						
		MEN	5	52	32.6	0.9	+33	−22			
		F	5	53	30						
388	May26	eP	18	08	27.2					736	
		eL	18	10	06.4						
		F	18	17	±						
389	May26	eP	19	39	18.1						
		F	19	40	19						
390	May27	eP	3	34	53.1					557	
		eL	3	36	08.1						
		F	3	39	±						
391	May27	P	21	20	23.6					122	
		$\overline{P}$	21	20	28.8						
		L	21	20	40.0						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	21 22 14						
392	May 28	eP	2 55 03.0					496	
		eL	2 56 09.9						
		F	2 56 51						
393	May 29	eP	4 18 16.8					168	
		eL	4 18 39.5						
		F	4 19 46						
394	May 29	P	4 32 05.2	0.9		− 5.	+10	59	Felt slightly. Lower Valley of River Naka.
		L	4 32 13.2	0.9	+10	+25			
		ME	4 32 14.6	1.3	+66				
		MN	4 32 15.1	0.8		−42			
		MZ	4 32 17.0	0.8			±42		
		F	4 34 43						
395	May 29	eP	18 20 32.5					67	
		eL	18 20 41.6						
		F	18 22 22						
396	May 30	eP	12 44 29.0						
		F	12 45 24						
397	May 31	eP	5 47 09						
		F	5 48 15						
398	May 31	eP	6 36 32.4					39	
		eL	6 36 37.7						
		F	6 37 09						
399	May 31	eP	9 59 49.0					133	
		eL	10 00 06.9						
		F	10 01 18						
400	May 31	L	19 58 18.8						
		F	19 58 48						
401	June 1	P	2 58 36.3	1.1	+13	−56	+53	82	Felt rather strongly. Lower Valley of River Naka.
		$\overline{P}_N$	2 58 38.2	2.2		−237			
		$\overline{P}_Z$	2 58 38.2	0.8			+278		
		MZ	2 58 39.4	2.6			−630		
		L	2 58 47.4	1.3	+152	−111			
		ME	2 59 02.4	1.9	±1160				
		MN	2 59 06.5	2.4		±960			
		FE	3 32 ±						
402	June 1	eP	3 11 22.1						
		F	3 11 40						
403	June 1	eP	3 15 41.1						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	3 16 13						
404	June 1	eP	18 01 19.1					151	
		eL	18 01 39.6						
		F	18 03 33						
405	June 1	eP	18 18 37.3					401	
		eL	18 19 31.3						
		F	18 21 26						
406	June 2	eL	14 48 05.6						
		F	14 48 39						
407	June 3	eP	5 20 51.7						
		F	5 21 53						
408	June 4	L	3 15 12.4						
		F	3 16 56						
409	June 4	eP	4 57 38.0					651	
		eL	4 59 05.8						
		F	5 00 48						
410	June 4	eP	10 18 46.0					90	
		eL	10 18 58.1						
		F	10 20 25						
411	June 4	eL	18 58 02.1						
		F	18 58 45						
412	June 5	P	16 33 22.7	0.5		+ 3	− 9	13	Felt slightly.
		L	16 33 24.6	0.5	−11				Kasimanada.
		MN	16 33 27.2	0.7		−111			
		ME	16 33 28.2	0.7	−84				
		F	16 35 23						
413	June 5	eL	21 06 ±						
		F	21 18 ±						
414	June 5	eP	21 45 32.4					61	
		eL	21 45 40.6						
		F	21 46 21						
415	June 5	eP	22 38 12.4					46	
		eL	22 38 18.6						
		F	22 39 05						
416	June 9	eP	0 46 20.1					238	
		eL	0 46 52.2						
		F	0 49 21						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
417	June11	eP	8	04	12.5						
		F	8	04	50						
418	June11	eP	9	40	01.0						
		F	9	40	55						
419	June11	eP	9	57	30.9					8380	
		eLE	10	07	10.5						
		MN	10	12	19.7	26.0		±260			
		ME	10	13	35.4	26.0	±470				
		F	10	46	±						
420	June11	eP	10	31	48.8						
		F	10	32	22						
421	June11	eP	13	22	20.2						
		F	13	23	33						
422	June12	eP	3	20	44.6						
		F	3	21	21						
423	June15	eP	20	47	55						
		F	20	48	26						
424	June17	eP	11	59	18.6					85	
		L	11	59	30.1						
		F	12	02	02						
425	June18	eP	19	12	54						
		F	19	13	56						
426	June18	eP	20	28	49						
		F	20	30	11						
427	June18	ePZ	21	12	22.0					101	
		ePEN	21	12	25.3						
		eLZ	21	12	37.1						
		eLEN	21	12	38.9						
		F	21	19	±						
428	June20	eP	15	49	39.3						
		F	15	50	31						
429	June21	eP	22	06	25.1					97	
		eL	22	06	38.2						
		F	22	07	35						
430	June22	eP	17	16	55.9						
		F	17	17	50						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
431	June23	P	15	14	15.0		+		+	80	
		L	15	14	25.8						
		ME	15	14	26.5	1.3	±37				
		MN	15	14	28.5	1.3		±37			
		F	15	16	43						
432	June25	eP	22	06	22.0						
		F	22	08	22						
433	June26	eP	9	08	35.9						
		F	9	09	16						
434	June26	eP	9	11	22.7					148	
		eL	9	11	42.6						
		F	9	13	18						
435	June26	eP	18	11	24.6						
		F	18	11	51						
436	June27	eP	23	06	10.6					79	
		eL	23	06	22.2						
		F	23	07	58						
437	June28	eP	17	29	34.9						
		F	17	30	02						
438	June29	P	9	25	22.9	0.3	+ 1	− 1	+ 8	71	Felt slightly.
		LEN	9	25	32.4	0.5	+ 3	− 7			Nisiura.
		ME	9	25	35.1	0.5	+20				
		MN	9	25	43.2	0.5		−13			
		F	9	27	35						
439	June30	eP	7	54	55.4						
		F	7	55	23						
440	June30	P	19	52	08.7	0.4	− 1		+ 6	27	Felt slightly.
		L	19	52	12.4	1.0	−63	−94			Northern Part
		F	19	53	33						of Kujukurihama.
441	June30	P	19	53	37.7					22	
		L	19	53	40.7						
		F	19	54	05						
442	June30	P	19	55	41.3					23	Felt slightly.
		L	19	55	44.4	0.8	−28	−58			Northern Part
		F	19	56	43						of Kujukurihama.
443	July 1	P	1	27	00.9					51	
		L	1	27	07.8						
		F	1	28	28						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
444	July 2	eP	14	14	22.5						
		F	14	14	53						
445	July 3	eP	6	12	09.7					5660	
		eS	6	19	27.7						
		eL	6	27	25						
		F	6	49	±						
446	July 3	eP	9	45	50.2					15	
		L	9	45	52.2						
		F	9	46	08						
447	July 4	eP	2	53	13.3						
		F	2	53	21						
448	July 4	L	2	54	08.5						
		F	2	54	26						
449	July 4	L	6	03	55.7						
		F	6	04	28						
450	July 5	P	1	34	02.8	0.8	− 2	− 3		82	
		L	1	34	13.9	1.0	+109	−109	−19		
		F	1	37	40						
451	July 5	eP	16	20	44.3						
		F	16	21	43						
452	July 5	eP	16	26	25.2					122	
		eL	16	26	41·6						
		F	16	27	51						
453	July 5	eP	17	57	27.3					131	
		eL	17	57	45.0						
		F	18	00	18						
454	July10	eP	1	03	20.9					187	
		eL	1	03	46.1						
		F	1	05	00						
455	July10	eP	20	37	54.2					141	
		eL	20	38	13.2						
		F	20	40	35						
456	July10	eP	21	35	18.9					214	
		eL	21	35	47.7						
		F	21	39	58						
457	July11	eP	0	48	24.6					148	
		eL	0	48	44.6						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	0	50	19						
458	July11	eP	6	16	42.3					23	
		eL	6	16	45.4						
		F	6	17	27						
459	July11	eP	13	35	59.7						
		F	13	36	51						
460	July12	eP	6	25	54.0						
		F	6	26	30						
461	July14	eL	4	46	±						
		F	4	57	±						
462	July14	ePZ	19	24	20.3	0.6			+ 1	61	Felt slightly.
		P	19	24	20.6	0.8	− 3	−11	+10		Kasima-nada.
		L	19	24	28.8	1.1	−52	+85			
		F	19	28	10						
463	July14	eP	20	05	06.4					54	
		eL	20	05	13.8						
		F	20	05	59						
464	July15	eP	13	08	49.9						
		F	13	10	08						
465	July15	eP	22	17	15.3						
		F	22	18	09						
466	July16	P	15	42	22.3					30	
		L	15	42	26.3	0.9	+14	−19			
		F	15	43	07						
467	July17	eP	20	54	48.3						
		F	20	55	34						
468	July18	P	5	04	05.6					50	
		L	5	04	12.3	1.0	+ 5	−15			
		F	5	04	48						
469	July18	P	19	31	59.2					42	
		L	19	32	04.8	0·8	− 5	−15			
		F	19	32	47						
470	July18	eP	23	15	35.8					34	
		eL	23	15	40.4						
		F	23	16	08						
471	July20	eP	8	21	54.2						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	8 23 23						
472	July20	eP	14 53 01.6					213	
		eL	14 53 30.3						
		F	14 54 36						
473	July21	eP	3 55 47.3					37	
		L	3 55 52.3						
		F	3 56 20						
474	July23	P	2 18 16.9					35	
		L	2 18 21.6						
		F	2 19 14						
475	July23	eP	4 28 12.9					803	
		eL	4 30 01.1						
		MN	4 30 07.8	2.4		±51			
		MZ	4 30 10.7	1.4			−10		
		ME	4 30 19.3	2.0	±45				
		F	5 13 ±						
476	July24	eP	13 23 53.1					68	
		eL	13 24 02.3						
		F	13 25 08						
477	July24	P	19 27 15.9					30	
		L	19 27 20.0	0.8	− 7	−27			
		F	19 28 33						
478	July26	eP	12 36 15.3					36	
		L	12 36 24.2						
		F	12 36 44						
479	July27	eP	0 09 41.7					71	
		eL	0 09 51.2						
		F	0 10 48						
480	Aug. 6	eP	13 21 32.3					23	
		L	13 21 35.4						
		F	13 22 17						
481	Aug. 6	eP	20 15 59.7						
		F	20 17 00						
482	Aug. 7	eP	3 23 32.1					22	
		L	3 23 35.0						
		F	3 24 14						
483	Aug. 7	L	7 32 14.7						
		F	7 32 37						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
484	Aug. 7	eP	8 02 33.4					79	
		eL	8 02 44.0						
		F	8 03 44						
485	Aug. 7	eP	16 05 58.6					22	
		L	16 06 01.6						
		F	16 06 23						
486	Aug.10	eP	22 11 58.0					352	
		L	22 12 45.4						
		F	22 13 56						
487	Aug.11	eP	21 52 23.3						
		F	21 53 35						
488	Aug.13	eP	21 17 12.1						
		F	21 17 42						
489	Aug.15	eP	11 43 41.8					105	
		eL	11 43 56.0						
		F	11 46 38						
490	Aug.16	eP	7 30 47.2					59	
		eL	7 30 55.2						
		F	7 31 29						
491	Aug.16	eP	12 14 23.9					78	
		eL	12 14 34.4						
		F	12 15 29						
492	Aug.17	eP	1 05 20.1					26	
		L	1 05 24.9						
		F	1 06 26						
493	Aug.17	eP	18 28 47.1	2.7	− 5	− 4	−	91	Felt moderately. Northern part of the Uraga Channel.
		iP	18 28 48.3	0.6	− 8	− 6	− 5		
		$\bar{P}_{EN}$	18 28 54.2	2.7	+20	−33			
		L_{EN}	18 28 59.4	2.5	+118	−231			
		L_Z	18 28 59.4	1.7			+99		
		M_E	18 29 14.3	2.0	−173				
		F	18 42 ±						
494	Aug.17	eP	18 43 47.0					52	
		L	18 43 54.0						
		F	18 44 41						
495	Aug.17	eP	20 40 07.9						
		F	20 40 47						
496	Aug.17	L	21 32 50.0						
		F	21 33 02						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
497	Aug.18	P	1 56 38.8					27	
		L	1 56 42.4						
		F	1 56 56						
498	Aug.18	eP	2 29 20.5						
		F	2 29 47						
499	Aug.18	P	4 39 02.2					27	
		L	4 39 05.8						
		F	4 39 23						
500	Aug.19	eP	4 42 24.0					87	
		P	4 42 28·9						
		L	4 42 35.7						
		ME	4 42 48.8	1.5	−124				
		F	4 46 29						
501	Aug.19	eP	9 00 24.3					30	
		eL	9 00 28.3						
		F	9 01 41						
502	Aug.19	eP	21 40 38.3					129	
		L	21 40 55.7						
		F	21 48 ±						
503	Aug.20	P	2 41 37.1	0.1	+67	−11	−254	7	Felt rather strongly. Northern part of Kujukurihama.
		L	2 41 40.6	1.1	−1840	−3960			
		Mz	2 41 42.2	0.6			−372		
		F	2 49 ±						
504	Aug.20	P	3 05 04.3					28	
		L	3 05 08.1						
		F	3 05 45						
505	Aug.20	eP	4 56 03.2					33	
		L	4 56 07.7						
		F	4 56 30						
506	Aug.20	eP	6 22 15.6					81	
		L	6 22 26.5						
		F	6 23 03						
507	Aug.20	eP	12 14 17.3					101	
		eL	12 14 30.9						
		F	12 15 01						
508	Aug.21	ePE	5 59 09.2					4085	
		eLE	6 07 43.8						
		F	6 33 ±						
509	Aug.21	eP	19 12 56.9					24	

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	Amplitude AN μ	Amplitude AZ μ	△ km.	Remarks
		L	19 13 00.1						
		F	19 13 38						
510	Aug.21	eP	19 45 33.1					695	
		eP̄	19 45 58.7						
		eL	19 47 06.7						
		F	19 50 50						
511	Aug.21	eP	20 15 08.5					40	
		L	20 15 13.9						
		F	20 15 57						
512	Aug.22	P	10 30 36.1					49	
		L	10 30 42.7	1.2	+20	−31			
		F	10 33 21						
513	Aug.22	P	19 58 08.5					27	
		L	19 58 12.1	1.1	−40	−59			
		F	19 59 44						
514	Aug.23	P	22 11 28.3					27	
		L	22 11 31.9	1.1	− 8	−31			
		ME	22 11 32.2	1.1	+16				
		F	22 12 28						
515	Aug.24	eP	5 00 52.6						
		F	5 02 13						
516	Aug.24	eP	5 18 07.2						
		F	5 18 35						
517	Aug.24	eP	22 32 51.1						
		F	22 33 26						
518	Aug.26	eP	21 41 06.3					545	
		eL	21 42 19.7						
		F	21 45 ±						
519	Aug.27	eP	4 12 07.1					91	
		eL	4 12 19.4						
		F	4 13 20						
520	Aug.29	eP	13 20 24.0						
		F	13 20 54						
521	Aug.30	eP	4 57 17.8						
		F	4 57 47						
522	Aug.30	eP	5 04 54.1					728	
		eL	5 06 32.2						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	Amplitude AN μ	Amplitude AZ μ	△ km.	Remarks
		F	5 09 33						
523	Aug.31	eP	16 18 34.3						
		F	16 19 21						
524	Aug.31	eP	23 01 31.2						
		F	23 01 49						
525	Sep. 2	eP	3 42 34.8					61	
		eL	3 42 43.0						
		F	3 43 44						
526	Sep. 3	eP	17 04 46,3						
		F	17 05 29						
527	Sep. 3	eP	20 31 19.1					85	
		eL	20 31 30.6						
		F	20 32 19						
528	Sep. 4	ePZ	13 18 38.8					291	
		ePEN	13 18 40.0						
		eLEN	13 19 19.2						
		eLZ	13 19 25.9						
		F	13 23 21						
529	Sep. 6	eP	0 04 35.8						
		F	0 05 10						
530	Sep. 8	eP	16 25 48.1						
		F	16 26 16						
531	Sep. 8	P	23 14 43.1					55	
		L	23 14 50.5						
		F	23 16 14						
532	Sep. 9	eP	4 54 16.8						
		F	4 55 03						
533	Sep. 11	P	1 05 52.4					53	
		L	1 05 59.6						
		F	1 07 01						
534	Sep. 11	eP	7 23 54.4					128	
		eLEN	7 24 11.6						
		FE	7 35 ±						
535	Sep. 11	eP	17 56 11.3					23	
		L	17 56 14.4						
		F	17 56 37						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
536	Sep. 11	ePF	21 49 29.4 21 50 18						
537	Sep. 12	ePeLF	1 48 17.9 1 48 50.1 1 50 00					239	
538	Sep. 14	ePZePENeLENF	10 40 29.4 10 40 31.5 10 40 58.5 10 42 27					200	
539	Sep. 14	ePF	17 01 59.2 17 02 29						
540	Sep. 15	ePF	16 03 22.6 16 04 36						
541	Sep. 17	PLF	13 56 43.9 13 56 53.0 13 58 11					68	
542	Sep. 17	PLF	19 55 09.9 19 55 37.7 19 59 ±					206	
543	Sep. 17	eP eL F	21 03 51.2 21 04 01.6 21 04 38					77	
544	Sep. 18	eP eL F	0 29 19.8 0 29 30.7 0 30 26					81	
545	Sep. 18	eP L F	3 17 10.2 3 17 18.0 3 17 52					58	
546	Sep. 19	eP L F	3 44 53.9 3 44 57.5 3 45 16					27	
547	Sep. 19	eP eL F	6 29 15.3 6 29 26.3 6 30 11					82	
548	Sep. 21	eP L F	10 36 34.4 10 36 44.0 10 38 31					71	

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
549	Sep. 21	L	15	28	48.9						
		F	15	28	51						
550	Sep. 21	P	18	32	16.9					206	
		L	18	32	44.6						
		F	18	34	58						
551	Sep. 22	ePE	8	12	53.1					4930	
		eL	8	23	36.8						
		F	8	56	±						
552	Sep. 22	eP	12	26	56.1						
		F	12	28	27						
553	Sep. 24	P	13	53	07.3					42	
		L	13	53	13.0						
		F	13	54	13						
554	Sep. 24	P	16	01	40.4					79	
		L	16	01	51.0						
		F	16	02	43						
555	Sep. 25	eP	13	19	29.6					41	
		eL	13	19	35.1						
		F	13	19	59						
556	Sep. 26	eP	13	18	00.7						
		F	13	18	55						
557	Sep. 27	ePZ	4	56	19.9					279	
		ePEN	4	56	22.7						
		L	4	56	57.5						
		F	5	05	±						
558	Sep. 28	PZ	18	52	09.0					132	
		PEN	18	52	10.2						
		P̄EN	18	52	14.9						
		LEN	18	52	28.0						
		eLZ	18	52	30.4						
		F	18	54	06						
559	Sep. 29	eP	5	48	02.3						
		F	5	48	50						
560	Sep. 29	eP	13	54	57.2					908	
		eL	13	56	59.6						
		F	13	58	06						
561	Sep. 30	P	13	55	22.1	1.1	+ 2	− 2	+ 9	42	
		SEN	13	55	27.8	1.1	−12	+14			

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		L^E	13	55	32.1	1.1	+15				
		M^E	13	55	32.4	1.1	−21				
		F	13	57	41						
562	Oct. 1	eP	6	28	26.3					4235	
		eS	6	34	26.8						
		F	7	21	±						
563	Oct. 1	P	8	23	00.8						
		F	8	23	38						
564	Oct. 2	eP	19	02	50.3					476	
		e^{SEN}	19	03	54.4						
		e^{LEN}	19	04	29.1						
		eLZ	19	04	33.1						
		F	19	12	±						
565	Oct. 4	eP	0	50	39.5					91	
		e^E	0	50	51.8					100	
		e^N	0	50	52.9						
		F	0	52	14						
566	Oct. 5	eP	5	17	30.0						
		F	5	18	09						
567	Oct. 5	e^E	21	04	28.0					73	
		e^N	21	04	29.4						
		S^N	21	04	39.2						
		L^E	21	04	40.6						
		L^N	21	04	41.9						
		F	21	06	07						
568	Oct. 6	eP	3	27	59.1					82	
		eL	3	28	10.2						
		F	3	29	27						
569	Oct. 6	eP	9	06	44.3						
		F	9	06	54						
570	Oct. 6	eP	10	26	04.7						
		F	10	26	35						
571	Oct. 6	eP	12	23	56.6					29	
		eS	12	24	00.5						
		eL	12	24	04.2						
		F	12	24	54						
572	Oct. 7	eP	2	16	40.1						
		F	2	16	58						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
573	Oct. 7	ePg	3 57 14.2					28	
		eL	3 57 17.9						
		F	3 57 34						
574	Oct. 7	eL	5 03 33.7						
		F	5 03 42						
575	Oct. 7	eP	13 19 20.4					76	
		eL	13 19 30.6						
		F	13 21 09						
576	Oct. 8	ePZ	19 28 57.6					5820	
		ePEN	19 28 58.7						
		eSE	19 37 50.4						
		eLE	19 42 01.5						
		FE	20 51 ±						
577	Oct. 10	ePZ	6 49 01.1					52	
		ePEN	6 49 01.9						
		eLEN	6 49 08.9						
		F	6 51 05						
578	Oct. 12	L	12 50 42.1						
		F	12 50 56						
579	Oct. 12	PEN	17 58 03.7	1.1	+ 5	− 6		32	Felt slightly.
		PZ	17 58 03.7	0.9			+12		Nishi-ura.
		eS	17 58 08.0						
		LEN	17 58 11.2	1.9	+162	+181			
		LZ	17 58 11.2	0.9			−32		
		F	18 01 31						
580	Oct. 12	ePN	18 40 42.5	1.0		+ 1		26	
		PEN	18 40 42.5	1.0	+ 4		+15		
		PN	18 40 42.8	1.0		− 7			
		S	18 40 46.0	1.2	−28	+24			
		LEN	18 40 48.1	1.3	+71	+45			
		F	18 42 37						
581	Oct. 13	P	1 54 14.8					95	
		L	1 54 27.6						
		F	1 55 21						
582	Oct. 15	eP	1 01 07.1					39	
		eL	1 01 12.3						
		F	1 01 30						
583	Oct. 15	eP	1 05 17.5					42	
		L	1 05 23.1						
		F	1 06 16						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
584	Oct. 15	eP	6	01	36.9					338	
		eL	6	02	22.5						
		F	6	03	20						
585	Oct. 15	eP	11	11	34.5						
		F	11	11	58						
586	Oct. 16	eP	6	18	27.4					84	
		eL	6	18	38.7						
		F	6	20	15						
587	Oct. 16	eP	16	05	42.7					27	
		L	16	05	46.3						
		F	16	06	05						
588	Oct. 17	eP	6	33	29.1					344	
		eLEN	6	34	15.4						
		F	6	38	±						
589	Oct. 17	eP	6	37	06.0					358	
		LN	6	37	54.2	2.6		−32			
		eLEZ	6	38	00.7	3.6	+28				
		F	6	57	±						
590	Oct. 19	eP	10	10	29.9					94	
		eL	10	10	42.5						
		F	10	11	30						
591	Oct. 19	eL	17	07	38.4						
		F	17	07	49						
592	Oct. 19	eP	17	14	20.0						
		F	17	14	34						
593	Oct. 20	eP	0	55	21.2					28	
		L	0	55	25.0						
		F	0	55	37						
594	Oct. 20	eP	10	03	01.0					28	
		eL	10	03	04.7						
		F	10	03	20						
595	Oct. 21	eP	5	53	14.2					63	
		L	5	53	22.7						
		F	5	54	24						
596	Oct. 21	P	19	40	02.7	0.7	+ 3	− 1	+ 8	28	
		S	19	40	06.5	0.7	−19	− 8			
		LE	19	40	10.6	0.9	−35				
		LN	19	40	11.5	0.9		−30			

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	19	42	21						
597	Oct. 22	eP	4	37	06.4					27	
		L	4	37	10.0						
		F	4	37	23						
598	Oct. 24	eP	5	22	20.0					112	
		eLN	5	22	35.1						
		F	5	23	51						
599	Oct. 24	P	16	50	35.7						
		F	16	50	40						
600	Oct. 24	eP	17	45	56.9					38	
		eL	17	46	02.0						
		F	17	46	50						
601	Oct. 25	P	5	19	18.8	5.9	+24	−135	−16	2010	
		LE	5	22	43.1	6.0	−87				
		LN	5	22	57.3	2.7		±68			
		LZ	5	22	59.9	2.8			+13		
		MZ	5	23	01.8	3.5			+18		
		MN	5	23	08.6	5.5		±262			
		ME	5	23	16.8	6.0	±202				
		FN	6	16	±						
		FE	7	17	±						
602	Oct. 25	eP	5	37	12.1						
		F	5	38	48						
603	Oct. 25	P	7	22	09.1	0.9	− 3	+ 1		62	
		S	7	22	17.4	1.1	− 7	+ 7			
		L	7	22	19.8	1.1	+26	+31			
		F	7	24	29						
604	Oct. 29	eP	3	40	39.6					15	
		L	3	40	41.6						
		F	3	41	18						
605	Oct. 29	eP	6	14	28.2					2085	
		e	6	17	44.3						
		eL	6	17	58.8						
		F	7	04	±						
606	Nov. 1	eP	0	40	06.0					111	
		eEN	0	40	15.5						
		L	0	40	21.0	1.4	+10	+18			
		F	0	42	43						
607	Nov. 5	eP	6	54	19.5					39	
		L	6	54	24.8						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	Amplitude AN μ	Amplitude AZ μ	△ km.	Remarks
		F	6 54 52						
608	Nov. 5	P	23 04 51.8					30	
		L	23 04 55.8						
		F	23 05 22						
609	Nov. 6	eP	16 08 47.8						
		F	16 09 33						
610	Nov. 7	eP	7 41 35.9					36	
		L	7 41 40.7						
		F	7 42 02						
611	Nov. 8	eP	21 54 13.4						
		F	21 55 08						
612	Nov. 9	eP	12 51 30.1						
		F	12 52 02						
613	Nov.10	e	4 17 35						
		eL	4 22 00						
		F	5 01 ±						
614	Nov.10	eP	13 59 12.4						
		F	13 59 51						
615	Nov.10	eP	18 31 26.9						
		F	18 32 06						
616	Nov.10	eZ	22 35 44.0					76	
		PZ	22 35 44.7	0.3			+ 3		
		PEN	22 35 45.4						
		SN	22 35 52.7						
		L	22 35 55.0	0.7	−33	+87	+18		
		MN	22 36 13.0	0.7		±128			
		F	22 39 02						
617	Nov.10	eP	22 57 16.4					1835	
		eLE	23 00 25.0						
		FE	23 19 ±						
618	Nov.11	eP	5 14 18.1						
		F	5 14 48						
619	Nov.12	eP	17 42 22.6					84	
		eL	17 42 33.9						
		F	17 43 37						
620	Nov.12	L	23 17 14.1						
		F	23 17 24						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
621	Nov.13	eP	10	51	25.4						
		F	10	53	41						
622	Nov.15	eP	9	10	00.0					398	
		eL	9	10	53.6						
		F	9	13	10						
623	Nov.16	eP	13	34	19.6					42	
		eL	13	34	25.2						
		F	13	34	44						
624	Nov.17	P	6	06	56.7					41	
		L	6	07	02.2	0.6	+27	+45	− 5		
		F	6	07	52						
625	Nov.18	eP	10	40	02.5					73	
		eL	10	40	12.3						
		F	10	41	03						
626	Nov.18	eP	17	51	56.4					106	
		eL	17	52	10.7						
		F	17	54	03						
627	Nov.18	eP	19	08	58.3						
		F	19	09	50						
628	Nov.18	eP	19	10	38.6						
		F	19	11	16						
629	Nov.18	eP	22	41	17.9						
		F	22	41	55						
630	Nov.18	eP	23	13	13.3					93	
		eS	23	13	25.8						
		eLN	23	13	37.3						
		eLE	23	13	38.3						
		F	23	15	49						
631	Nov.19	eP	7	29	50.2					65	
		eL	7	29	59.0						
		F	7	31	02						
632	Nov.19	P	10	09	51.3					127	
		LEN	10	10	08.4						
		MN	10	10	14.6	1.0		±36			
		ME	10	10	18.4	2.1	± 6				
		F	10	14	25						
633	Nov.20	eP	2	34	36.9					73	
		eL	2	34	46.7						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		F	2 35 55						
634	Nov.20	eP	20 53 45.9					235	
		eL	20 54 17.6						
		F	20 55 04						
635	Nov.21	eP	18 50 21.0					201	
		eL	18 50 48.1						
		F	18 52 21						
636	Nov.21	eP	19 17 18.8					220	
		eL	19 17 48.4						
		F	19 19 27						
637	Nov.21	eP	20 49 19.3						
		F	20 49 59						
638	Nov.21	eP	21 17 57.3					191	
		eLE	21 18 23.0						
		F	21 19 26						
639	Nov.21	ePN	21 56 14.5						
		F	21 57 01						
640	Nov.21	eP	22 14 14.5						
		F	22 14 54						
641	Nov.22	eL	11 24 17.8						
		F	11 24 33						
642	Nov.22	eP	11 27 14.3					33	
		L	11 27 18.7						
		F	11 27 37						
643	Nov.22	eP	14 29 04.2					55	
		e	14 29 11.6						
		F	14 29 46						
644	Nov.22	P	16 38 14.2					82	
		SEN	16 38 25.2						
		F	16 39 42						
645	Nov.23	eP	2 03 31.9						
		F	2 04 04						
646	Nov.23	eP	8 38 56.6					183	
		eS	8 39 21.2						
		F	8 40 27						
647	Nov.23	P	20 35 34.2					81	

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		SEN	20	35	45.1						
		F	20	36	41						
648	Nov.25	L	0	09	12.1						
		F	0	09	33						
649	Nov.25	eP	5	02	22.7						
		F	5	02	53						
650	Nov.25	eP	15	27	03.4					199	
		eL	15	27	30.2						
		F	15	28	59						
651	Nov.25	eP	16	06	19.4					164	
		$\bar{P}$	16	06	25.8						
		S	16	06	41.5						
		F	16	10	12						
652	Nov.25	eP	16	50	32·6					169	
		e$\bar{P}$	16	50	41.3						
		eS	16	50	55.3						
		eL	16	51	05.9						
		F	16	52	42						
653	Nov.25	L	18	05	17.0						
		F	18	05	33						
654	Nov·25	eP	18	34	47.0						
		F	18	35	41						
655	Nov.25	eP	21	14	09.8						
		F	21	14	54						
656	Nov.25	P	22	33	13.9					27	
		S	22	33	17.7						
		F	22	34	13						
657	Nov.25	eP	23	23	46.2					198	
		eLEN	23	24	12.8						
		F	23	25	23						
658	Nov.26	PEN	4	03	13.8	2.5	+ 9	+ 5		198	Felt moderately. Northern part of Izu-Peninsura.
		PZ	4	03	13.8	2.2			+10		
		$\bar{P}$EN	4	03	18.1	3.0	+145	+58			
		$\bar{P}$Z	4	03	18.1	2.7			+100		
		eEN	4	03	24.1	3.0	+380	+160			
		eZ	4	03	24.1	1.5			−500		
		LZ	4	03	31.4	2.7			−560		
		ME	4	03	33.2	2.4	±745<				
		LN	4	03	40.5	2.7		−660			
		MN	4	03	45.2	1.2		±765<			

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		FN	5 50 ±						
		FE	6 15 ±						
659	Nov.26	eP	4 29 38.1					157	
		eL	4 29 59.2						
		F	4 31 51						
660	Nov.26	eP	4 46 39.6					97	
		S	4 46 52.6						
		F	4 48 14						
661	Nov.26	eP	6 12 14.5						
		F	6 12 53						
662	Nov.26	eP	6 26 50.3						
		F	6 27 03						
663	Nov.26	eP	6 46 13.5						
		F	6 46 39						
664	Nov.26	eP	7 15 48.0						
		F	7 16 29						
665	Nov.26	eP	8 38 12.6						
		F	8 38 42						
666	Nov.26	eP	9 21 04.4					31	
		L	9 21 08.6						
		F	9 21 32						
667	Nov.26	eP	9 36 44.7						
		F	9 37 48						
668	Nov.26	eP	10 06 56.7					161	
		eS	10 07 18.3						
		eL	10 07 31.2						
		F	10 08 52						
669	Nov.26	eP	13 52 41.3					195	
		eS	13 53 07.6						
		F	13 55 48						
670	Nov.26	eP	17 42 58.6					139	
		eS	17 43 17.2						
		F	17 49 ±						
671	Nov.26	eP	21 42 09.7					232	
		eS	21 42 41.0						
		F	21 43 48						

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
672	Nov.28	ePg	4 57 54.0					68	
		S	4 58 03.1						
		F	4 58 34						
673	Nov.28	ePg	16 23 41.2						
		F	16 24 27						
674	Nov.29	ePg	3 49 37.1						
		F	3 50 20						
675	Nov.29	ePg	14 05 16.0						
		F	14 05 35						
676	Nov.29	ePg	16 12 24.8						
		F	16 13 22						
677	Dec. 1	P	18 29 17.1	0.8	? − 2	− 5	− 9	36	Felt slightly. Off the coast of kujukurihama.
		SEN	18 29 21.9	1.4	+65	+18			
		MN	18 29 22.3	1.4		−29			
		F	18 31 26						
678	Dec. 2	ePg	13 24 21.8						
		F	13 25 10						
679	Dec. 2	eLE	16 22 ±						
		F	16 28 ±						
680	Dec. 2	ePg	17 46 30.7						
		F	17 47 02						
681	Dec. 3	ePg	0 01 43.3						
		F	0 02 11						
682	Dec. 3	PZ	12 30 06.9	0.8			− 3	55	
		PEN	12 30 09.6	0.8	+ 3	− 4			
		SEN	12 30 17.0	1.4	+20	−31			
		F	12 33 18						
683	Dec. 3	P	13 04 50.9						
		F	13 05 23						
684	Dec. 3	ePg	18 50 48.0					64	
		eS	18 50 56.6						
		F	18 51 29						
685	Dec. 4	ePE	4 04 56.4					3610	
		ePN	4 06 07.3						
		eLE	4 13 10.3						
		eLN	4 13 29.3						
		MN	4 15 29.7	16.7		±750			

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		ME	4	18	58.9	13.1	±1000				
		MZ	4	19	01.0	15.3			±575		
		FN	4	58	±						
		FE	5	23	±						
686	Dec. 5	PZ	1	51	16.2					32	
		SEN	1	51	20.5						
		F	1	52	11						
687	Dec. 6	eP	3	21	36.4						
		F	3	22	14						
688	Dec. 6	eP	4	08	15.6					619	
		eS	4	09	30.5						
		F	4	11	58						
689	Dec. 7	PEN	4	50	27.2					27	Felt slightly.
		PZ	4	50	28.7				±20		Kasimanada.
		SEN	4	50	30.8	0.4	+17	−39			
		eSZ	4	50	32.1						
		F	4	51	10						
690	Dec. 7	eP	4	59	31.2						
		F	5	00	15						
691	Dec. 7	eP	13	02	31.7						
		F	13	03	34						
692	Dec. 7	eP	13	15	14.0						
		F	13	16	05						
693	Dec. 7	eP	14	50	51.3					154	
		eS	14	51	12.1						
		eL	14	51	18.3						
		F	14	51	53						
694	Dec. 7	eP	15	06	02.1					87	Felt slightly.
		e	15	06	08.1						Kasimanada.
		S	15	06	13.8						
		ME	15	06	21.3	0.6	+44				
		MN	15	06	22.4	0.9		±45			
		F	15	09	59						
695	Dec. 7	e	16	13	03.4						
		F	16	14	13						
696	Dec. 7	e	22	36	16.0						
		F	22	36	55						
697	Dec. 8	eP	0	34	50.2					76	

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		eS	0	35	00.4						
		F	0	36	18						
698	Dec. 8	eP	3	28	46.9					77	
		eS	3	28	57.3						
		F	3	29	28						
699	Dec. 9	eP	8	38	41.1					146	
		eP̄	8	38	49.1						
		eS	8	39	00.8						
		F	8	41	01						
700	Dec. 9	eP	20	07	00.1						
		F	20	08	03						
701	Dec. 9	eP	23	15	23.0						
		F	23	15	46						
702	Dec. 11	eP	20	30	18.4						
		F	20	30	52						
703	Dec. 12	eP	21	49	03.3						
		F	21	50	40						
704	Dec. 12	eP	22	50	20.0						
		F	22	51	18						
705	Dec. 13	eP	2	25	07.2						
		F	2	25	37						
706	Dec. 13	L	6	41	46.9						
		F	6	42	01						
707	Dec. 13	eP	17	07	05.8						
		F	17	07	55						
708	Dec. 13	eP	19	11	17.6						
		F	19	11	44						
709	Dec. 13	eP	23	24	30.2					524	
		eS	23	25	40.8						
		ME	23	26	37.4	4.5	−66				
		MN	23	27	24.8	3.9		−60			
		F	23	33	±						
710	Dec. 14	eP	17	47	17.0						
		F	17	48	22						
711	Dec. 15	P	14	22	16.1	1.3	+10	+12	+25	32	

No.	Date	Phase	Time 135° E h. m. s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		S	14 22 20.4	2.5	+60	+80			
		M	14 22 21.2	2.3	−162	−320			
		F	14 25 01						
712	Dec. 17	eP	4 50 25.8					311	
		$e\overline{P}$	4 50 36.0						
		eLN	4 50 54.2						
		F	4 52 27						
713	Dec. 18	P	0 26 32.2					30	
		S	0 26 36.2	1.0	+46	+21			
		F	0 27 26						
714	Dec. 18	eP	7 41 45.9						
		F	7 42 04						
715	Dec. 19	eP	21 18 20.6						
		F	21 19 02						
716	Dec. 20	eP	23 04 36.5					556	
		eLNZ	23 05 51.4						
		eLE	23 05 55.2						
		ME	23 06 01.9						
		F	23 12 ±						
717	Dec. 21	eP	21 16 19.8					731	
		LNZ	21 17 58.3						
		LE	21 18 00.2						
		F	21 25 ±						
718	Dec. 21	eP	23 56 10.7					2575	
		eLE	0 00 54.7						
		F	0 09 ±						
719	Dec. 22	eP	5 57 12.3					94	
		eS	5 57 24.9						
		F	5 58 26						
720	Dec. 22	eP	12 40 56.8						
		F	12 41 22						
721	Dec. 23	eP	16 34 01.0					447	
		eS	16 35 01.3						
		F	16 37 09						
722	Dec. 23	eP	19 33 50.8						
		F	19 34 19						
723	Dec. 23	eP	23 47 32.8						
		F	23 48 17						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
724	Dec. 24	P	8	56	50.5					613	
		S	8	58	13.1	1.1	−14	−10			
		ME	8	58	17.1	0.9	−16				
		MN	8	58	18.8	0.9		−20			
		F	9	06	±						
725	Dec. 24	eP	16	11	50.2					154	
		S	16	12	11.0						
		MN	16	12	21.5	0.7		+18			
		ME	16	12	24.5	0.7	+21				
		F	16	15	28						
726	Dec. 25	eP	8	07	13.6						
		F	8	07	50						
727	Dec. 26	P	15	05	21.6					38	
		SEN	15	05	26.7						
		F	15	06	22						
728	Dec. 26	eP	16	54	50.6						
		F	16	58	±						
729	Dec. 26	eP	22	26	16.0					46	
		S	22	26	22.2						
		F	22	27	17						
730	Dec. 28	eP	3	45	34.3					19	
		S	3	45	36.9						
		F	3	45	55						
731	Dec. 28	e	16	22	54.8						
		F	16	23	24						
732	Dec. 28	eP	16	28	06.6						
		F	16	28	31						
733	Dec. 29	P	13	30	38.6					28	
		S	13	30	42.3						
		F	13	30	54						
734	Dec. 29	P	15	57	10.3					35	
		S	15	57	15.0						
		F	15	57	45						
735	Dec. 30	eP	5	17	49.2						
		F	5	18	47						
736	Dec. 30	P	5	57	12.3	0.4	+ 2			74	
		SN	5	57	22.3						
		SE	5	57	23.1						

No.	Date	Phase	Time 135° E h.	m.	s.	Period s.	Amplitude AE μ	AN μ	AZ μ	△ km.	Remarks
		MN	5	37	24.8	1.0		--36			
		F	6	00	±						
737	Dec. 30	ePg	5	59	24.5				+	70	
		S	5	59	33.9						
		F	6	00	40						
738	Dec. 30	ePg	10	39	22.6						
		F	10	39	52						
739	Dec. 30	ePg	23	23	44.4						
		F	23	24	27						
740	Dec. 31	ePg	20	16	39.7					672	
		eS	20	18	10.2						
		F	20	19	29						