No. From to 1933

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

INSTRUMENTAL CONSTANTS From 1st to 14th Jan 1933

No1

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.8	0007	2.8	8.0
	N—S	,,	,,	4.4	0011	2.8	8.0
Wiechert	U—D	80	,,	4.0	0055	2.5	7.5
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
1	1 Jan	ıPE	2 50 07.9					~	Local shock
		F	" " 20.9						
2	"	PE	17 58 33.6	2.0		+5.0	-2.5	1718	Distant earthquake
		S	18 01 31.4						
		L	" 04 39.8						
		M_1	" 06 32.5	4.3		+10.5			
		M_2	" 07 27.2	6.4		-11.3	+5.0		
		F	" 14 44.3						
3	4 "	ıPE	0 30 06.6					1407	Off the ENE coast of Miyako
		ıE	" 32 30.3						
		L	" 36 14.4	≒3					
		M	" " 29.3			+11.3			
		C	" 41 10.0						
		F	" 48 34.2						
4	" "	ıP	9 28 12.3	2.2	+3.7	-5.0	+3.7	1161	Off the SE coast of Izu Titi.
		2 S	" 30 59.4						
		M	" 31 24.0	4.3		-15.0	-22.5		
		C	" 39 26.9						
		F	10 01 53.2						
5	7 "	ıPN	13 19 46.3	2.3				1964	Off the ENE coast of Miyako
		S	" 13 06.1	2.3					
		M	" 15 36.6	15.0		+25.0	-50.0		
		C	" 24 06.6						
		F	" 39 12.9						
6	10 "	ıP	12 04 29.8					483	Off the NW coast of Amami-Oosima
		2 S	" 10 35.0						
		F	" 21 15.6						
7	14 "	P	11 10 45.8	1.1		-3.2	-1.5	104	Neighbourhood of mt. Aso.
		S	" 11 00.8	0.6		-6.3			
		L	" " 15.0						
		M	" " 21.5	4.0		+40.0	-23.7		
		F	" 15 28.4						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

INSTRUMENTAL CONSTANTS From 14th to 27th Jun 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.8	0.007	28	80
	N—S	,,	,,	4.4	0.011	2.8	80
Wiechert	U—D	80	,,	4.0	0.055	2.5	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
8	14 Jun	P	15 33 42.4					~~76~~	Neighbourhood of Mt Aso
		S	,, 34 06.4						
		F	,, 37 58.7						
9	15 ,,	iP	18 55 51.4	3.1	−1.5	+2.3	−3.7	206	Off the SE coast of Ariake Bay, Kagoshima Prefecture
		S	,, 56 19.2						
		F	,, 58 52.0						
10	16 ,,	eP	18 22 22.7					113	Neighbourhood of Mt Kaimon, Kagoshima Prefecture.
		S	,, ,, 38.0	0.4	~~−1.5~~	~~+4.5~~	+4.0		
		F	,, 24 25.4						
11	22 ,,	eP	4 34 30.3					10560	Distant earthquake.
		eS	,, 45 53.3						
		L	5 00 00.8	15.3					
		C	,, 29 42.4						
		F	,, 45 09.9						
12	27 ,,	P	3 33 48.3					111	Mt. Aso.
		S	,, 34 03.3						
		F	,, 36 11.0						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

INSTRUMENTAL CONSTANTS

No 2 From 1st to 13th Feb 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.5	0.032	2.4	75
	N—S	,,	,,	4.3	0.039	2.0	75
Wiechert	U—D	80	,,	3.9	0.061	3.1	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
13	1 Feb	iP	6 28 45.4					823	Local shocks
		S	,, ,, 56.5						
		F	,, 29 45.5						
14	4 ,,	iP	7 16 39.5			+2.6	+3.7	2448	Off the N coast of Is. Iki.
		S	,, 20 40.3	4.4		+2.5	+6.9		
		F	,, 31 53.6						
15	,, ,,	iP	15 21 05.5			+6.9	−1.2	788	Away to the NW Coast of Is. Tsu.
		S	,, 22 50.5	2.4		+2.5	−6.9		
		F	,, 26 01.3						
16	6 ,,	iP	16 17 20.7	1.1	−1.0	+1.3	+0.5	111	Mt. Aso
		iS	,, ,, 35.6	0.6		+8.5	+3.8		
		F	,, 24 31.1						
17	7 ,,	P	10 27 54.4	1.0	−1.2	+1.5	−0.7	116	Ditto
		S	,, 28 10.1	0.6	+4.0		−5.3		
		F	,, 32 56.6						
18	9 ,,	P	6 56 23.6	0.7	−1.0	+0.9	−1.1	97	Ditto
		S	,, ,, 36.7						
		F	,, 59 04.0						
19	,, ,,	P	12 58 39.0	2.0	+1.4	−2.0	+1.0	796	Off the SW coast of Is. Hatizyô.
		S	13 00 05.6	3.3	+2.1	−1.8	+1.5		
		F	,, 08 21.3						
20	12 ,,	iP	9 46 09.6					74	Mouth of R. Sirakawa, Kumamoto Prefecture.
		S	,, ,, 19.6	0.3					
		F	,, 47 11.8						
21	13 ,,	iP?	12 06 48.3					1772	Distant earthquake.
		S	,, 09 50.5	6.0		+16.0	−5.3		
		F	,, 22 50.0						
22	,, ,,	iP	15 56 00.8					~	Kasuga Nada.
		F	,, 58 14.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 3

INSTRUMENTAL CONSTANTS From 1st to 31st March 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.5	0032	24	75
	N—S	,,	,	4 3	0034	2.0	75
Wiechert	U—D	80	,,	3.9	0061	3.1	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
28	1 Mar	EP	16 17 07.2					~	Off the N...
		F	,, 19 50.7						Volcano
29	3 ,,	EP	2 34 10.9	3.0	+0.4	-2.7	-1.3	467	Off the coast of ...
		i	,, ,, 14.1	13.6	+18.0	-40.0	-26.7		
		S	,, 36 44.6			-9.2	+14.8		
		L	,, 37 32.6						
		M	Scale out						
		C	,, 49 32.0						
		F	5 14 ...						
30	,, ,,	EP	4 44 53.7					1340	Ditto.
		ES	,, 47 15.6						
		L	,, 48 57.0						
		M	,, 49 30.0	15.1		+13.3	+24.0		
		C	,, 54 50.8						
		F	5 09 13.0						
31	,, ,,	EP	5 46 0.03					1457	Ditto.
		ES	,, 48 33.0						
		L	,, 49 56.0						
		M	,, 50 22.1	5.3		+46.7	-60.0		
		C	,, 55 05.1						
		F	6 31 11.0						
32	,, ,,	EP	10 19 49.8					94	Middle valley of Tanushiko, Tgôura.
		S	,, 20 16.0						
		F	,, 22 17.1						
33	,, ,,	EP	11 23 48.8					1455	Direction of Iss. Philippi
		S	,, 26 21.3						
		F	,, 34 03.9						
34	,, ,,	EP	2 39 51.8					~	Off the coast of Sanrik
		F	,, 52 05.6						
35	,, ,,	P	8 15 53.6					1556	Ditto.
		S	,, 18 36.2			+5.3			
		F	,, 38 52.2						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanie Agglomerate.

No 3

INSTRUMENTAL CONSTANTS From 3th to 11th Mar 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ϵ	V
Wiechert	E—W	200	Air	4.5	0.032	2.4	75
	N—S	,,	,,	4.3	0.039	2.0	75
Wiechert	U—D	80	,,	3.9	0.061	3.1	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
36	3 Mar	P	18 41 46.6					1455	
		S	" 44 19.1						
		F	" 54 05.5						
37	" "	eP	19 08 13.2					1393	Ditto
		S	" 10 39.5						
		F	" 20 10.8						
38	" "	eP	19 35 27.5					~	Ditto
		F	19 44 13.2						
39	4 "	eP	0 06 27.0					~	Ditto
		F	" 21 05.7						
40	" "	eP	0 10 57.7					1704	Ditto
		S	" 13 54.1						
		F	" 20 57.9						
41	" "	eP?	4 11 12.5					~~1768~~	Ditto.
		~~eS?~~	" ~~14 14.3~~						
		F	" 20 38.1						
42	7 "	eP	7 46 23.3					366	Wakaura Bay.
		S	" 47 12.5						
		F	" 50 47.5						
43	" "	P	11 52 21.5					~~849~~	Off the SE Coast of Ja Hukue.
		S	" " 32.9	0.7					
		F	" 54 39.3						
44	8 "	eP	19 28 03.6					285	Jyo Nada.
		S	" " 42.0						
		F	" 31 51.3						
45	11 "	eP	23 26 06.8					1827	Distant earthquake.
		eS	" 29 14.5						
		L	" 32 05.2						
		M	" 36 40.6	13.1		+8.0			
		C	" 39 21.1						
		F	24 01 19.0						

No. 3 From 12ᵈ to 25ᵗʰ

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

INSTRUMENTAL CONSTANTS

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.5	0.22	2.4	75
	N—S	,,	,,	4.3	0.39	2.0	75
Wiechert	U—D	80	,,	3.9	0.61	3.1	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
46	12 Mar	iP	4 35 12.4	3.3	−8.3	+14.7	−8.0	1103	Off the W coast of Is. Tati.
		iS	,, 37 10.7	6.6	+8.3	+49.3	−76.0		
		M	,, 16.0	6.0	+28.0	+168.0	−166.7		
		F	5 06 59.2						
47	,, ,,	P	16 38 40.9					~	Aki Nada.
		F	,, 41 54.8						
48	18 ,,	P	1 01 48.0					3345	Aleutian Islands
		S	,, 06 55.3						
		L	,, 10 15.3						
		M	,, 45 00.0						
49	,,	eP	4 38 03.0					3272	Neighbourhood of Is. Kinkiang.
		eS	,, 43 05.2						
		F	5 18 57.5						
50	19	P	0 53 29.4	E 3.2	−1.3	+2.7	± 0	860	Off the S coast of Is. Hatidyô
		S	,, 55 03.3	N 4.8	+2.0	−3.3	+13.3		
		M	,, ,, 19.0	4.4		+16.7	−30.0		
		C	,, ,, 41.7						
		F	1 05 51.4						
51	22 ,,	P	8 18 34.4		−0.7	+2.9		114	Mt. Aso.
		S	,, ,, 49.0						
		L	,, 19 07.7			−21.3	+10.7		
		M_E	,, ,, 11.1	4.3		+29.0			
		M_N	,, ,, 14.7	4.3			+24.0		
		C	,, ,, 36.3						
		F	,, 24 30.0						
52	24 ,,	eP	2 47 47.2					2448	Distant earthquake.
		eS	,, 51 48.0						
		F	3 00 18.0						
53	25 ,,	P	21 50 37.6	1.3	−3.3	+8.0	+1.6	97	Mt. Aso.
		S	,, ,, 50.7			−1.7	−3.0		
		M	,, 51 14.1	4.2		+9.6	−6.7		
		C	,, ,, 34.0						
		F	,, 59 06.5						

No. 3 From 26th to 29th March

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

No.	Date	Phase	Time 135° E	Period	Amplitude			Δ	Remarks
					Az	Ae	An		
			h. m. s.	s.	μ	μ	μ	km.	
54	26 Mar.	P	10 36 47.7					≈	Mt. Adatara.
		F	" 38 33.0						
55	" "	P	11 21 53.3					~	Ditto
		F	" 23 03.0						
56	" "	P	12 59 53.8					≈	Ditto
		F	13 01 03.5						
57	29 "	P	12 51 48.1					≈	Hyūga Nada
		F	" 52 59.6						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanie Agglomerate.

INSTRUMENTAL CONSTANTS

No 9 From 2nd to 16th Apr 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.2	0013	2.6	80
	N—S	,,	,,	4.4	0023	2.6	80
Wiechert	U—D	80	,,	4.0	0.072	2.6	70
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
58	2 Apr	P	1 02 24.5					~	Off the coast of Sanriku.
		H	,, 14 24.5						
59	,, ,,	eP	22 44 33.5					84	Mt. Aso.
		S	,, ,, 44.7						
		H	,, 46 09.5						
60	8 ,,	P	20 54 39.9		-1.4	+1.5	0	78	Neighbourhood of Kumamoto.
		S	,, ,, 50.4			-3.8	+6.3		
		H	,, 56 36.0						
61	9 ,,	P	11 49 43.3					1620	Off the coast of Sanriku.
		S	,, 52 31.3						
		L	,, 53 19.8	E 16.1					
		M	,, 54 12.3	N 17.1		+2.6	-2.8		
		C	,, 56 43.3						
		H	12 17 43.3						
62	,, ,,	eL	19 37 42.0					~	Ditto.
		H	,, 41 42.0						
63	13 ,,	P	12 53 13.8					85	Mt Aso.
		S	,, ,, 25.3						
		H	,, 58 56.3						
64	,, ,,	P	14 14 53.3					74	Ditto.
		S	,, 15 03.2						
		H	,, 16 56.1						
65	,, ,,	P	16 04 03.4					~	Ditto.
		H	,, ,, 55.9						
66	16 ,,	P	4 43 36.7					74	Ditto
		S	,, ,, 46.7						
		H	,, 44 47.5						
67	,, ,,	P	4 45 46.8					63	Ditto
		S	,, ,, 55.3						
		H	,, 47 17.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 11

INSTRUMENTAL CONSTANTS From 5rd to 24th May 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.2	0.013	2.6	80
	N—S	,,	,	4.4	0.023	2.6	80
Wiechert	U—D	80	,,	4.0	0.072	2.6	70
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
79	5 May	P	21 04 23.7					108	Mt. Aso.
		S	,, ,, 38.2						
		F	,, 06 28.7						
80	,, ,,	P	21 41 54.0					118	Ditto
		S	,, 42 09.9						
		F	,, 44 18.6						
81	7 ,,	P	20 44 57.9					131	Ariake Bay, Kagosima Prefecture.
		S	,, 45 15.6						
		F	,, ,, 55.4						
82	11 ,,	P	13 30 35.8					240	Off Cape Sata.
		S	,, 31 08.0						
		F	,, 33 26.8						
83	15 ,,	P	10 11 27.6					~	Mt. Aso
		F	,, 16 41.8						
84	,, ,,	P	10 18 05.0					~	Mt Aso
		F	,, 21 31.8						
85	16 ,,	P	10 20 05.2	2.4			-0.3	~	Direction of south Ocean.
		L	,, 33 13.5						
		M	,, 38 26.7	1.5.3		+10.0	-16.2		
		C	,, 47 08.0						
		F	,, 58 28.5						
86	,, ,,	P	15 32 37.1					174	Off Ariake Bay.
		S	,, 33 00.5						
		F	,, 36 32.2						
87	23 ,,	P	1 31 34.7	1.1	+1.7	-1.0	-1.5	~	Near shock.
		F	,, 33 47.5						
88	,, ,,	P	5 44 36.1					203	Hyūga Nada
		S	,, 45 03.5						
		F	,, 50 55.4						
89	24 ,,	P	1 37 08.2	3.0	+5.7	-6.3	+8.8	244	Ditto.
		S	,, ,, 41.0		+13.0	-35.0	-35.0		
		F	,, 47 48.8						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 12

INSTRUMENTAL CONSTANTS From 24th May to 6th June 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.2	0.13	2.6	80
	N—S	,,	,,	4.4	0.23	2.6	80
Wiechert	U—D	80	,,	4.0	0.72	2.6	70
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
90	24 May	iP	1 52 24.9	3.0	+4.1	−3.9	+4.5	205	Hyûga Nada.
		S	,, ,, 52.5	1.3		−16.3			
		F	2 02 01.5						
91	25 ,,	iP	3 40 05.0					169	Neighb. of the mouth of R. Mimidu, Miyazaki Prefecture.
		S	,, ,, 27.8						
		F	,, 41 09.5						
92	2 June	P	13 42 46.2					161	Off Cape Sata, Kagoshima Prefecture.
		S	,, 43 07.9						
		M	,, ,, 13.9	2.1	−2.0	+1.9	+3.3		
		F	,, 47 38.7						
93	,, ,,	iP	16 39 21.6	3.4	+2.1	−2.0	+2.5	235	Neighb. of Miyakonozyô. Miyazaki Prefecture.
		S	,, ,, 53.2	3.2	+5.4		+12.8		
		M_1	,, 40 06.2	4.0	+20.0	−34.0	+37.5		
		M_2	,, ,, 30.6	4.2	+17.0	−23.8	+59.5		
		M_3	,, 41 12.7	4.8	−20.3	+20.8	−25.6		
		C	,, ,, 40.1						
		F	17 10 52.0						
94	3 ,,	P	19 33 13.8					~	Ditto.
		F	,, 35 46.4						
95	,, ,,	P	22 31 20.0					105	Mt Aso
		S	,, ,, 34.1						
		F	,, 34 31.1						
96	4 ,,	iP	2 08 57.2					608	Neighb. of Amami-Oosima.
		eS	,, 10 19.2						
		L	,, ,, 54.8	1.9	+1.8	+1.0	+4.1		
		M	,, 11 09.2	4.7	+3.0	+17.0	−13.8		
		C	,, 19 34.1						
		F	,, 44 51.8						
97	6 ,,	P	11 33 11.7					1701	Philippine Islands.
		eS	,, 36 23.8						
		eL	,, 38 58.7						
		H	,, 53 33.3						

No. From to From 7th to 28th June 1933

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

No 13

No.	Date	Phase	Time 135° E	Period	Amplitude			Δ	Remarks
					AZ	AE	AN		
			h. m. s.	s.	μ	μ	μ	km.	
98	7 June	P	20 51 43.4					3017	Direction of Burma.
		iS	. 56 27.5						
		L	21 00 11.5						
		M	„ 03 05.5	10.5		-2.4	+1.1		
		F	„ 11 31.9						
99	9 „	P	3 14 00.0					1402	Off the ENE coast of Miyake.
		S	„ 16 27.2						
		L	„ 17 53.0						
		M	„ 19 46.6	14.8		+6.2	-4.4		
		F	„ 42 48.2						
100	11 „	P	11 47 47.6					~	Southern part of Hyūga Nada.
		F	„ 49 50.0						
101	13 „	P	6 11 15.5					~	Neighb. of Kesennuma Bay. Miyagi Prefecture
		F	„ 20 47.1						
102	„ „	P	7 17 43.3		+1.4			75	Kumamoto.
		S	„ „ 53.6	0.5		+4.0			
		F	„ 19 34.7						
103	14 „	eP	5 36 49.5					1980	Off the E coast of the mouth of R. Umakuti.
		iS	„ 40 10.5	4.2		-1.9	-1.3		
		L	„ 41 08.6						
		F	6 00 30.5						
104	15 „	P	5 45 47.3					~	Off the S coast of Amami-Oosima.
		F	6 02 42.4						
105	19 „	P	6 40 20.1	4.1	+0.5	-1.4	-1.2	1472	Off the E coast of Kinkwazan
		eS	„ 42 54.3	5.2		+15	+15		
		L	„ 43 48.6						
		M	„ 44 56.8	15.5	-12.0	+15.7			
		C	„ 50 34.3						
		F	8 21 20.2						
106	25 „	P	7 03 00.7	2.1	-1.0		-1.0	4937	Sumatra.
		eS	„ 09 39.3	5.4			-1.5		
		eL	„ 12 07.0	7.7			-2.6		
		M1	„ 25 39.9	11.7	-9	-24	+56		
		M2	„ 24 24.5	11.5	+12	-69	+30		
		C	„ 48 47.6						
		F	8 36 47.8						
107	28 „	P	14 03 17.2					25	Local shock
		S	„ „ 20.6						
		F	„ 04 34.2						
108	„ „	eP	14 15 33.0					~	Mt. Aso.
		F	„ 18 00.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 14

INSTRUMENTAL CONSTANTS From 3rd to 9th July 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ϵ	V
Wiechert	E—W	200	Air	~~4.2~~	~~.025~~	~~2.6~~	~~85~~
	N—S	,,	,,	~~4.2~~	~~.027~~	~~2.5~~	~~85~~
Wiechert	U—D	80	,,	~~4.0~~	~~.674~~	~~2.4~~	~~75~~
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
109	3 July	ep	23 56 45.2					—	Distant Eqk.
		F	24 04 30.5						
110	4 ,,	ep	16 12 09.2					216	I.s. Yaku.
		S	,, ,, 38.3						
		F	,, 14 35.5						
111	,, ,,	ep	16 18 59.0					211	Ditto.
		S	,, 19 27.0						
		F	,, 20 43.0						
112	9 ,,	P	4 37 24.3					25	Local shock.
		S	,, ,, 27.7						
		F	,, 38 33.8						
113	,, ,,	P	10 34 33.8	4.9	+1.1	-2.0	-2.6	2351	Away to the SE coast of Is. Etorô.
		S	,, 38 26.9	5.0		-5.7	+9.5		
		L	,, 40 39.9			-10	+6		
		M	,, 44 13.4	15.1					
		C	,, 51 41.2						
		F	11 04 50.9						
114	,, ,,	P	18 32 28.7					2353	Ditto.
		S	,, 36 22.0	4.8		-1.8	+2.3		
		L	,, 38 49.1						
		M	,, 41 43.4	6.5		+6	-4		
		C	,, 46 01.3						
		F	- - -						
115	,, ,,	P	18 52 43.4					2349	Ditto.
		S	,, 56 36.3						
		L	,, 58 47.7						
		F	19 15 46.6						
116	,, ,,	P	21 35 04.7	4.9	+1.2	-3.0	-3.1	2266	Off the SE Coast of Is. Etorô.
		S	,, 38 55.3	4.8		+6.5	-7.1		
		L	,, 41 30.4						
		M	,, 44 41.7	15.1		+39	-20		
		C	,, 56 52.0						
		F	22 51 19.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 15

INSTRUMENTAL CONSTANTS From 10d to 14d July 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.2	0025	2.6	85
	N—S	,,	,	4.2	0027	25	85
Wiechert	U—D	80	,,	4.0	0074	24	75
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
117	10 July	P	1 11 36.9	4.8			−1.2	2353	Off the E coast of
		S	,, 15 30.2	4.9		−2.5	+2.5		Nosyapu-Zaki.
		L	,, 18 06.1						
		F	,, 30 35.7						
118	,, ,,	P	1 56 24.7					150	Neighbourhood of
		S	,, ,, 45.0						Beppu.
		F	2 00 16.7						
119	,, ,,	P	2 00 44.0					150	Ditto.
		S	,, 01 04.2						
		F	,, 02 39.9						
120	,, ,,	ep	2 55 45.0					2604	Off the E coast of
		S	,, 59 58.4						Nosyapupu-Zaki.
		F	3 07 32.0						
121	,, ,,	ip	9 24 45.0	2.1		+1.5	+1.2	1545	Off the E coast of
		eS	,, 27 26.5						Kamaisi.
		L	,, 29 33.9						
		F	,, 36 43.3						
122	,, ,,	P	19 40 40.2	2.9		−2.7	−1.8	4114	Direction of Borneo.
		S	,, 46 33.8	3.1		−2.5			
		L	,, 49 17.0						
		F	20 00 37.5						
123	11 ,,	ep	15 04 34.5					~	Off Kuzyû Kurigahama.
		F	,, 10 59.3						
124	,, ,,	ep	15 52 32.9					~	Off the ESE coast of
		F	16 08 11.2						Katuura.
125	12 ,,	ep	23 47 20.9					260	Neighbourhood of Iyuku.
		S	,, ,, 55.9						
		M	,, 48 15.7	2.8		+8.2	+7.1		
		F	,, 54 10.5						
126	14 ,,	P	10 48 43.7					~	Distant Epic.
		F	,, 51 56.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

~~$\varphi = 32°44'03''$~~ $\lambda = 129°52'31''$ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

From 15h to 29th July, 1933

INSTRUMENTAL CONSTANTS

INSTRUMENT	COMPONENT	MASS	DAMPING	~~4T~~	~~0.025~~ To	26	~~35~~
Wiechert	E—W	200	Air	~~4.2~~	~~0.027~~	~~2.5~~	~~85~~
	N—S	,,	,,	~~4.0~~	~~0.074~~	~~2.4~~	~~75~~
Wiechert	U—D	80	,,				
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
127	15 July	P	14h. 35. ~~34~~0	s.	μ	μ	μ	km.	Local shock.
		S	,, ,, 36.8						
		F	,, ,, 560						
128	,, ,,	P	14 40 08.0					15	Ditto.
		S	,, ,, 10.7						
		F	,, ,, 21.9						
129	18 ,,	iP	20 26 06.3	2.0	-10.7	-1.5	-10.4	333	Is. Yokotô.
		iS	,, ,, 51.2	2.5	-9.3	-10.4			
		M	,, ,, 53.7	2.7		+31			
		F	,, 38 31.4						
130	19 ,,	P	4 10 28.4					2584	Philippine Islands.
		S	,, 14 40.0						
		L	,, 16 52.1						
		M	,, 27 22.8						
131	,, ,,	P	22 40 35.4					4791	Direction of Alaska.
		eS	,, 47 06.2						
		F	,, 50 00.1						
132	20 ,,	P	0 08 03.2	2.1		-1.0	-1.1	4851	Ditto.
		eS	,, 14 37.5						
		F	,, 20 03.3						
133	21 ,,	P	8 17 08.8					1530	Off the E coast of Kinkwazan.
		S	,, 19 48.7						
		eL	,, 20 55.2						
		F	,, 27 22.0						
134	23 ,,	P	6 03 47.7	1.1	-1.2			5281	Direction of Aleutian Islands.
		S	,, 10 45.0	5.3		-2.1	+5.3		
		L	,, 14 42.5						
		F	7 11 57.5						
135	24 ,,	iP	17 40 09.5	1.1	-1.1	+2.0	-1.3	~	Off the S coast of Vladivostock.
		F	,, 42 45.0						
136	27 ,,	P	18 20 53.3					28	Local shock.
		S	,, ,, 57.0						
		F	,, 21 23.3						
137	29 ,,	P	1 44 51.3					430	Neighbourhood of Kii Channel.
		S	,, 45 48.7						
		M	,, ,, 54.2	3.2			-27.5		
		C	,, 46 33.2						
		F	,, 51 55.2						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

N017

INSTRUMENTAL CONSTANTS From 2nd to 20th Aug 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ϵ	V
Wiechert	E—W	200	Air	4.4	0.013	2.7	72
	N—S	,,	,,	4.5	0.019	2.8	72
Wiechert	U—D	80	,,	3.9	0.054	2.4	73
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
138	2 Aug	P	0 33 03.0					31	Neighb. of Unzendake.
		S	,, ,, 07.2		-7.0	+8.6	-15.2		
		F	Continuous						
139	,, ,,	P	0 34 11.9					30	Ditto.
		S	,, ,, 16.0						
		F	,, 35 02.5						
140	,, ,,	P	0 39 50.4					31	Ditto.
		S	,, ,, 54.6						
		F	,, 40 32.5						
141	,, ,,	P	0 44 13.1					~	Ditto.
		F	,, ,, 52.5						
142	11 ,,	iPE	17 59 56.0					3278	Upper valley of Yangtze Kiang.
		eSN	18 04 58.8						
		iLN	,, 09 08.3						
		C	,, 14 08.4						
		F	,, 25 16.0						
143	15 ,,	iPE	12 00 53.8		-0.4	+1.7	S	1340	Off the NNE coast of Is. Titi.
		eSN	,, 03 15.8						
		iL	,, 06 35.0						
		F	,, 09 19.0						
144	16 ,,	iPEZ	13 10 50.6		-2.7	+1.4	0	76	Neighb. of Kiyama, Kumamoto Prefecture.
		iSN	,, 11 00.9				+4.0		
		F	,, 13 19.0						
145	17 ,,	P	16 43 00.6		+3.1	+0.4	+1.4	28	Local shock.
		S	,, ,, 04.3		-1.7	-2.8	+2.2		
		F	,, ,, 25.0						
146	18 ,,	iP	17 20 41.1					341	Off the NNW Coast of Is. Yaku.
		S	,, 21 27.1			+7.0	-7.0		
		F	,, 25 22.3						
147	20 ,,	iPN	20 44 42.9					2276	Off the E Coast of Philippine Islands.
		iSE	,, 53 29.5						
		F	,, 54 24.2						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanie Agglomerate.

N018

INSTRUMENTAL CONSTANTS From 20th to 29th Aug 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.4	0013	27	72
	N—S	,,	,,	4.5	0014	2.8	72
Wiechert	U—D	80	,,	3.9	0.054	24	73
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
148	20 Aug	ePN	21 10 38.7					2276	Off the E coast of Philippine Islands.
		eSE	,, 14 25.3						
		F	,, 18 24.2						
149	22 ,,	ePN	22 17 35.9					2224	Ditto.
		eSE	,, 21 18.3						
		F	,, 27 24.2						
150	25 ,,	P	16 55 27.1		+2.8	+0.4	±0.0	2508	Neight of the Boundary between Kansu & Szechuen, China.
		S	,, 59 32.9	7.2	-13	+22	-21		
		eLN	17 02 35.0	17c					
		M N	,, 04 54.2				+9.1		
		M E	,, ,, 56.5	16.0		-4.1			
		M E	,, ,, 56.7	15.7	-15.4				
		E	,, 05 56.7	10.0		-10.1			
		M N	,, ,, 59.5	10.0			+8.0		
		2 E	,, 06 00.1	10.6	-8.3				
		C	,, 12 26.5						
		F	18 29 26.5						
151	,, ,,	e	20 10 47.7					~	Off the NW coast of Amami - Oo-sima.
		S	,, 11 30.8						
		F	,, 15 26.6						
152	26 ,,	eP	8 19 30.3					430	Ditto.
		eS	,, 20 29.3						
		F	,, 22 27.0						
153	,, ,,	eP	10 31 38.5					457	Ditto.
		eS	,, 32 40.0						
		F	,, 36 28.0						
154	,, ,,	e	10 46 16.0					~	Ditto.
		F	,, 47 38.0						
155	29 ,,	PE	7 39 25.5					~	Distant Eqk.
		FEN	9 31 59.0						
156	,, ,,	ePE	15 39 53.3					68	Off the mouth of R. Kuma.
		eSN	,, 40 12.4						
		F	,, 42 19.0						
157	,, ,,	PE	21 34 03.4					1585	Off the mouth of R. Akitsuma.
		SN	,, 36 48.4						
		F	,, 40 29.0						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

No 19

INSTRUMENTAL CONSTANTS From 30d Aug to 21st Sept 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ε	V
Wiechert	E—W	200	Air	4.4	0.013	2.7	72
	N—S	,,	,,	4.5	0019	28	72
Wiechert	U—D	80	,,	3.9	0054	24	73
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
158	30 Aug	PZ	0 11 15.0					~	Off the coast of Is.
		F	,, 14 15.0						Hatidyô
159	31 ,,	PN	12 54 14.2					297	Off the S coast of Is.
		SE	,, ,, 54.2						Yaku.
		F	,, 57 28.5						
160	1 Sept	P	20 49 10.0					19	Local shock.
		S	,, ,, 12.6						
		F	,, ,, 26.0						
161	3 ,,	iP	1 43 16.7		-6.9	+5.1	-0.6	876	Off the S coast of Is.
		iS	,, 44 52.3			+18	+31		Hatidyô.
		M	,, ,, 56.6	E 4.9 N 5.3		-63	-83		
		C	,, 45 33.2						
		F	2 03 33.2						
162	7 ,,	P	7 19 09.3		-7.0	+4.9	-2.5	7234	Direction of Fiji Iss.
		S	,, 27 41.5			±0.0	+3.5		
		F	,, 48 33.0						
163	9 ,,	eP	14 05 11.7					1172	Neighb. of Vladivastock.
		eS	,, 07 16.9						
		F	,, 34 31.5						
164	16 ,,	eP	1 20 56.8		D	E	-1.0	390	Off the S coast of Is. Yaku.
		eSN	,, 21 49.3						
		F	,, 26 30.0						
165	18 ,,	P	22 25 38.2					141	Is. Kosiki.
		S	,, ,, 57.2						
		F	,, 28 13.0						
166	21 ,,	P	8 38 24.5					~	Off the S coast of Is.
		F	,, 44 26.5						Okinawa.
167	,, ,,	P	12 16 19.7					935	Noto Peninsula.
		S	,, 18 01.2						
		MN	,, ,, 24.1	4.3			+29.2		
		ME	,, ,, 38.2	4.3		-23.6			
		C	,, 22 26.5						
		F	,, 28 36.5						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanic Agglomerate.

INSTRUMENTAL CONSTANTS From 21st Sept to 4th Oct 1933

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ϵ	V
Wiechert	E—W	200	Air	4.4	0013	2.7	72
	N—S	,,	,,	4.5	0019	2.8	72
Wiechert	U—D	80	,,	3.9	0054	2.4	73
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
168	21 Sept	εP	18 [illegible] 59.3					1050	At the E coast of Mijako.
		εS	[illegible] 03 [illegible] 03						
		εL	,, 04 45.6						
		F	19 07 40.3						
169	25 ,,	εP	0 27 34.1					4091	Direction of Aleution Is.
		εS	,, 33 59.4						
		F	,, 45 21.9						
170	26 ,,	εP?	4 03 51.3					2534	Distant εq.
		εS?	,, 07 58.9						
		εL	,, 10 24.2						
		F	,, 28 20.0						
171	27 ,,	εP	0 59 09.8	2.5	−0.7	+2.4	+0.4	120	Neighb. of Kumamoto.
		iS	,, ,, 25.9	0.8		+2.9	+3.0		
		F	1 03 47.8						
172	29 ,,	P	4 01 58.6					~	Neighb. of Kyûsyû
		F	,, 08 12.0						
173	,, ,,	P	22 58 58.5		−0.6	+1.4	±0.0	116	Dainai, Kumamoto Pref.
		S	,, 59 14.1			+2.5	+4.6		
		F	23 02 30.0						
174	30 ,,	P	23 28 04.0		D	+1.7	−2.3	3800	Direction of New Guinea.
		εSE	,, 33 39.5						
		εLE	,, 37 32.9						
		F	,, 53 06.0						
175	1 Oct	εP	11 24 35.3					730	Lower valley of R. Ame, Saga Pref.
		εS	,, 25 55.3						
		F	,, 27 04.5						
176	2 ,,	iP	4 24 27.6		−12.5	+6.3	−0.4	136	E foot of Mt. Aso.
		iS	,, ,, 45.9		−2.8	+4.2	−9.6		
		F	,, 27 00.0						
177	4 ,,	εP	3 40 59.3					1036	Outer part of Niigata Pref.
		εS	,, 42 50.9						
		εL	,, 44 21.1	1.5		+11			
		F	[illegible]						

No. From to

SEISMIC BULLETIN

NAGASAKI METEOROLOGICAL OBSERVATORY

φ=32°44′03″ λ=129°52′31″ h=130.6m. Lithologic foundation : Volcanie Agglomerate.

No 21

INSTRUMENTAL CONSTANTS

INSTRUMENT	COMPONENT	MASS	DAMPING	To	$\frac{r}{To^2}$	ϵ	V
Wiechert	E—W	200	Air	4.4	.013	2.7	72
	N—S	,,	,,	4.5	.019	2.8	72
Wiechert	U—D	80	,,	3.9	.054	2.4	73
Ômori	E—W	16	Magnetic				
Ômori	N—S	16	,,				

No.	Date	Phase	Time 135° E	Period	Amplitude AZ	Amplitude AE	Amplitude AN	Δ	Remarks
			h. m. s.	s.	μ	μ	μ	km.	
178	4 Oct	P	20 00 24.1		+0.9	−0.7	+0.1	205	Hyūga Nada.
		S	,, ,, 51.8			−4.2			
		F	,, 03 53.0						
179	5 ,,	eL	23 04 06.0					~	Distant eqk.
		F	,, 15 50.0						
180	6 ,,	P	5 32 11.4		−0.8	+1.0	+0.6	59	Northern part of Simbara Peninsula.
		S	,, ,, 19.4		−8.2	−7.0	+17.1		
		F	,, 33 08.1						
181	9 ,,	P	3 00 39.3					23	Local shock.
		S	,, ,, 42.4						
		F	,, ,, 56.0						
182	16 ,,	P	23 19 00.6					22	Datte
		S	,, ,, 03.5						
		F	,, ,, 13.6						
183	,, ,,	uP	23 45 27.3		+4.4	+2.1	+1.7	24	Off the coast of Kii.
		iSN	,, ,, 30.5			+6.2			
		F	,, ,, 55.5						
184	21 ,,	e	11 49 56.0					~	off the SE coast of Honsyuzaki, Tōkō. Pac.
		F	12 00 58.0						
185	,, ,,	P	18 22 06.1					22	Local shock
		S	,, ,, 09.0						
		F	,, ,, 21.1						
186	23 ,,	P	14 46 34.1					~	Hyūga Nada.
		F	,, 47 45.6						
187	5 Nov	PZ	12 04 11.0					~	
		LE	,, 05 07.7						
		F	,, 08 25.8						
188	6 ,,	PE	16 25 28.6	1.0	−0.2	−2.4	~	92	
		SN	,, ,, 41.0				−13.2		
		MN	,, ,, 43.0	2.0			+47.0		
		MZ	,, ,, 44.5	2.0	+12.3				
		ME	,, ,, 57.0	3.7		−37.4			
		C	,, 26 02.2						
		F	,, ,,						

No.

From to

SEISMIC BULLETIN

NAGASAKI METEOROLNGICAL OBSERVATORY

No.	Date	Phase	Time 135° E	Period	Amplitude			Δ	Remarks
					Az	AE	AN		
			h. m. s.	s.	μ	μ	μ	km.	
189	7 Nov	pE	1 15 26.7					91	Ditto.
		S	" " 38.9						
		F	" 16 08.0						
190	" "	P	15 44 27.9						
		eSE	" 48 15.4			+1.4	-2.0	2285	Distant eqk.
		F	" 50 46.1						
191	8 "	P	5 40 10.3					55	Ik Hukue
		S	" " 21.8						
		F	" 41 43.5						
192	10 "	P	2 21 54.3		-0.4	+1.0	~		
		S	" 22 05.2			-1.6	+1.2	8	Neighb. of Kumamoto.
		F	" 23 34.2						
193	" "	ep	14 44 27.7					~	Unknown.
		F	" 50 31.4						Dist eqk.
194	20 "	PE	8 04 34.5					100	W foot of mt. Aso
		SEN	" " 47.0						
		F	" 26 16.0						
195	21 "	P	8 33 07.2	E 3.3	+4.2	-1.2	-4.6	8220	Off the SW Coast of Ground
		S	" 42 38.2	N 8.1		+2.4	-6.0		
		eL	9 01 03.0	25.		+8.4			
		M1	" 03 59.2	18.		-9.6	+4.3		
		M2	" 06 33.0	16.		-14.5	+8.4		
		M3	" 08 47.6	17.			-9.0		
		M4	" 10 09.0	15.		-9.0	+14.5		
		M42	" " 13.5	15.	-6.2				
		M5	" 11 42.8	15.			-10.8		
		M6	" 12 46.6	15		+10.8	-9.6		
		M7	" 14 29.0	15.		+6.0	-12.0		
		M8	" 19 36.0	12.		+5.4	-9.6		
		C	" 25 31.0						
		F	" 28 26.0						
196	22 "	ePZ	21 22 19.5					650	NW Part of Amami-Oshima
		eSN	" 23 30.5						
		F	" 30 34.0						
197	" "	eP	21 50 24.0			-1.4 W	+1.8 N	8830?	South Ocean
		eS	" 56 49.2						
		eSR2	22 00 26.0						
		eL	" 04 07.5						
		F	" 21 04.0						

No.

From to

SEISMIC BULLETIN

NAGASAKI METEOROLNGICAL OBSERVATORY

No.	Date	Phase	Time 135° E	Period	Amplitude			Δ	Remarks
					AZ	AE	AN		
			h. m. s.	s.	μ	μ	μ	km.	
198	23 Nov	ℓPN	4 00 24.3					600	Neighbd of Amami-Oshima
		ℓS	" 01 38.0						
		L	" 02 06.8						
		C	" 05 32.8						
		F	" 14 32.8						
199	" "	ℓPN	7 32 55.0				N	700	Ditto
		SE	" 34 12.0			+13.2			
		M	" " 42.0	8.0		+21.7	-15.7		
		C	" 38 32.0						
		F	" 54 32.0						
200	" "	ℓ	12 08 17.0					~	Ditto
		F	" 12 17.0						
201	25 "	ℓ	9 36 13.0					~	Ditto
		F	" 41 22.0						
202	28 "	ℓ	20 44 08.2					~	Direction of South Ocean.
		F	" 56 08.2						
203	2 Dec	ℓP	2 45 03.7		+1.8	-2.0	+1.8	209	Ariake Bay, Kagoshima Pref.
		SE	" " 31.8			-3.0			
		C	" 46 24.0						
		F	" 50 54.0						
204	" "	ℓP	17 46 24.7					1894	Off the ESE Coast of Shikoku.
		ℓS?	" 49 38.1						Japan
		F	" 54 51.1						
205	4 "	ℓP	17 31 19.4					231	Southern part of Hyogo Pref.
		Sz	" " 50.5						Nada.
		F	" 37 43.0						
206	5 "	iP	4 37 42.6	2.6	-10.0	+4.2	+7.3	1801	Off the East coast of Honshu
		ℓS	" 40 47.7	3.6	+5.6	+7.5	+9.0		Deep seated
		iSz	" " 50.5	4.4	-6.9				
		iSE	" " 53.8	4.4		+24.1	-12.1		
		M	" " 59.7	4.8	±0.0	+69.9	+3.6		
		ScSN	" 48 42.4	2.0			-1.8		
		ScSE	" " 43.0	3.0		+2.6			
		F	5 00 41.4						