朝鮮總督府觀測所

地震年報

昭和八年

The Seismological Bulletin

of

Weather Bureau of Tyôsen

For the Year

1933

KOREA

Compiled

By

Weather Bureau of Tyôsen

The Government General of Tyôsen

Zinsen, Tyôsen, Nippon.

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Preface.

Hitherto, the results of the seismological observations made at the meteorological observatories in Tyôsen (Corea), were compiled in "The Annual Report of the Meteorological Observatory of the Government-General of Tyôsen" published by this bureau. But, hereafter, the seismological report will be published once a year quite independent of the other meteorological reports. Now-a-days, in Tyôsen, slight attention is given to the study of earthquake owing to a minority of local shocks. Nevertheless, about 300 years ago, at an active period, frequent strong shocks were experienced all over the peninsula and inflicted severe damage to the buildings and human beings. Therefore, the seismological observation must not be neglected even in the present time of less activity.

Accordingly, in this report, whole the local shocks occurred in the peninsula and its neighbouring seas are described with minute description of their seismometrical elements observed at this bureau and the other local observatories. Moreover, near and distant earthquakes which are observed at the above mentioned observatories, are also compiled in this report with the full description of the nature of them referring the seismological reports published by the Central Meteorological Observatory, Tôkyô, and the other foreign observatories.

All the results of seismological observation made at the local observatories in Tyôsen which are in charge of this bureau are described at the end portion of this report. The present report is compiled by K. Hayata, the seismological expert of this bureau.

S. I. Kunitomi,
Director,
Weather Bureau of Tyôsen.

February 13, 1935.

1. Introduction.

The present publication contains the results of the seismometrical observations made at Weather Bureau of Tyôsen, Zinsen, and the local meteorological observatories in Tyôsen in the year 1933. (The seismic reports of Tyôsen from the year 1915 to 1932 have been included hitherto in the Annual Report of the Meteorological Observatory of the Government General of Tyôsen.)

Symbols and Notations:–

P	Normal first phase (longitudinal waves).
PRn	Longitudinal waves n–times reflected at the earth's surface.
S	Normal second phase (transverse waves).
SRn	Transverse waves n–times reflected at the earth's surface.
PS	Waves changed from longitudinal to transverse oscillation on reflecting at the earth's surface.
L	Long waves at the biginning of the surface waves.
M	Largest motion in the surface phase.
C	Tail or end portion.
PcP	Longitudinal waves reflected at the earth's core.
ScS	Transverse waves reflected at the earth's core.
F	End of the discernible movement.
i	Sudden or distinct commencement of a phase.
e	Gradual or indistinct commencement of a phase.
AN	N–S component of amplitude.
AE	E–W component of amplitude.
AZ	Vertical component of amplitude.
+	Displacement to the north, east and upwards.
–	Displacement to the south, west and downwards.
Δ	Epicentral distance.
(r)	Remarkable earthquake; Major radius of the felt area is greater than 300km.
(m)	Moderate earthquake; Major radius is less than 300km. and greater than 200km.

Time:– Time is referred to Greenwich Mean Time.

2. Seismological Stations in Tyôsen.

(1) Weather Bureau of Tyôsen, Zinsen.

Longitude λ; 126° 38′E Latitude φ; 37° 29′N

Height above mean sea level; 69.7m.

Geological nature of the ground; Grey Granite–gneiss.

Instruments and constants (approximate):–

Mkg; Mass of the pendulum. V; Magnification.

T ; Proper period of the pendulum.

$\frac{r}{T^2}$mm/sec^2; Coefficient of friction.

ε ; Damping coefficient.

Instrument	Component	M kg	V	T sec	$\frac{r}{T^2}$ mm/sec^2	ε
Wiechert's Seismograph	N-S	200	96	5.3	0.009	5.9
	E-W	200	101	5.3	0.012	7.0
	Z	80	73	4.6	0.016	7.5
Oomori's Portable Seismograph	N-S	12	50	4.0	0.02	
	E-W	12	50	4.0	0.02	
Seismograph of low magnification	N-S	2.3	2	4.0	0.03	2
	E-W	2.3	2	4.0	0.03	2
	Z	1.5	2	4.0	0.03	2
Oomori's Tronometer	N-S	50	150	15	0.05	
	E-W	50	150	15	0.05	

(2) Keizyô Meteorological Observatory.

Longitude λ; 126° 58′E Latitude φ; 37° 34′N

Height above mean sea level; 85.5 m.

Geological nature of the ground; Granite.

Instruments and constants (approximate):–

Instrument	Component	M kg	V	T sec	$\frac{r}{T^2}$ mm/sec^2	ε
Wiechert's Seismograph	N-S	200	96	4.9	0.02	6.4
	E-W	200	96	5.0	0.02	6.9
Oomori's Portable Seismograph	N-S	12	50	3.5	0.03	
	E-W	12	50	3.5	0.03	

(3) Taikyû Meteorological Observatory.

Longitude λ; 128° 36′E Latitude φ; 35° 52′N

Height above mean sea level; 50.5m.

Geological nature of the ground; Shale.

Instruments and constants (approximate);–

Instrument	Component	M kg	V	T sec	$\frac{r}{T^2}$ mm/sec^2	ε
Wiechert's Seismograph	N-S	200	70	4.3	0.01	3.4
	E-W	200	80	4.3	0.01	3.2
Oomori's Portable Seismograph	N-S	12	50	4.0	0.02	
	E-W	12	50	4.0	0.02	
Seismograph of low magnification	N-S	2.3	2	4.0	0.03	2
	E-W	2.3	2	4.0	0.03	2
	Z	1.5	2	4.0	0.03	2

(4) Husan Meteorological Observatory.

Longitude λ; 129° 01′E Latitude φ; 35° 06′N

Height above mean sea level; 12.5m.

Geological nature of the ground; Grey Granite–gneiss.

Instrument and constants (approximate):–

Instrument	Component	M kg	V	T sec	$\frac{r}{T^2}$ mm/sec^2	ε
Oomori's Seismograph	N–S	16	20	20	0.06	2

(5) Heizyô Meteorological Observatory.

Longitude λ; 125° 45′E Latitude φ; 39° 02′N

Height above mean sea level; 51.0m.

Geological nature of the ground; Lower Daidô System.

Instruments and constants (approximate):–

Instruments	Component	M kg	V	T sec	$\frac{r}{T^2}$ mm/sec^2	ε
C. M. O. Portable Seismograph	N–S	17.7	50	6.0	0.015	
	E–W	17.9	50	6.0	0.015	
Seismograph of low magnification	N–S	2.0	2	6.0	0.02	2
	E–W	2.0	2	6.0	0.02	2
	Z	0.2	2	2.0	0.03	2

3. The Earthquakes occurred in Tyôsen in the Year 1933.

The number of the earthquakes occurred in Tyôsen in the year 1933 amounted to 16, and 12 of them were felt by person in the epicentral region. These felt earthquakes were very local ones and many of them were not recorded instrumentally at stations due to the scant net of installation of seismographs in Tyôsen. The number of unfelt earthquakes amounted to 4 and their scales were very small also. These earthquakes are found in the next tables.

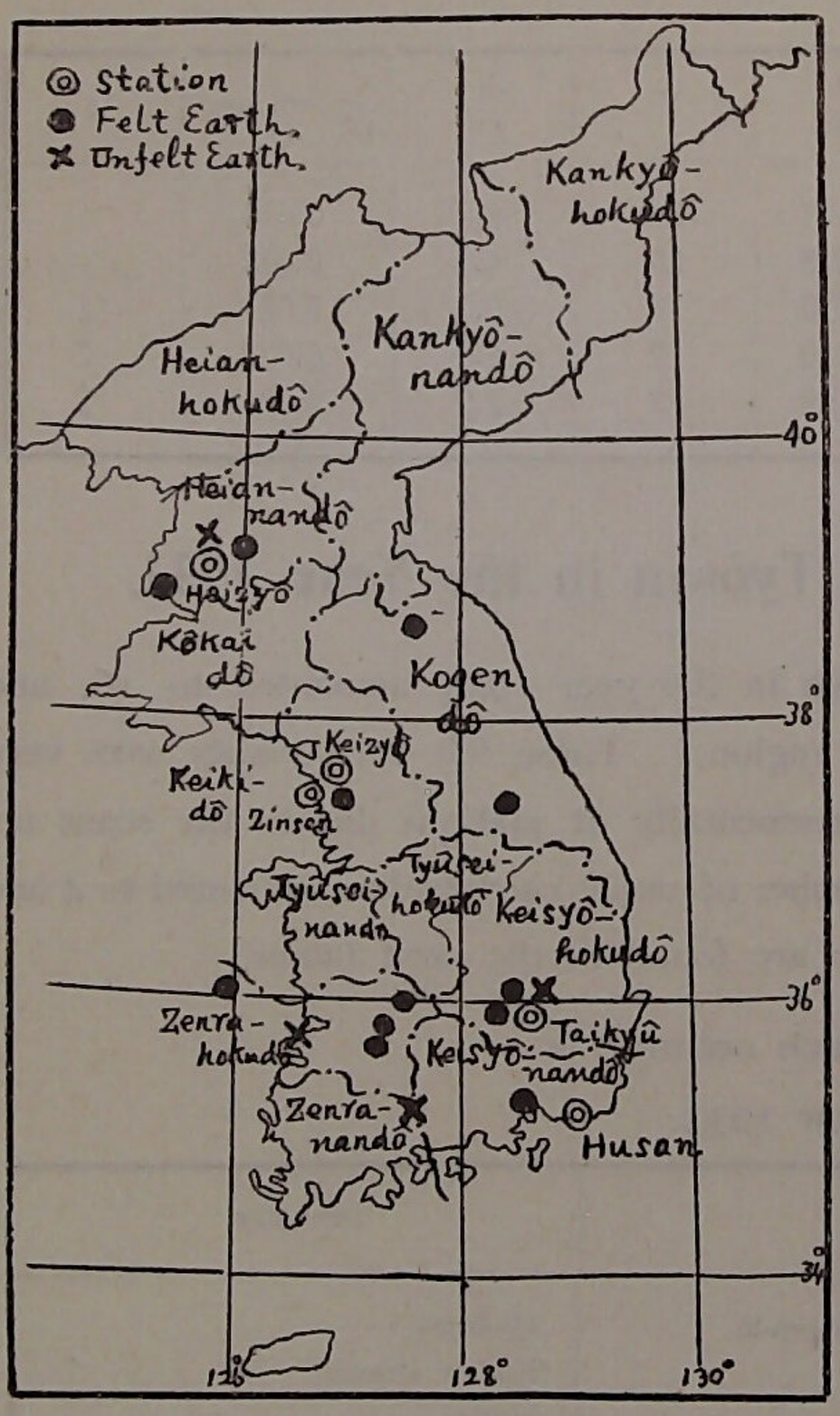
The felt earthquakes which occurred in Tyôsen in the year 1933.

Date	G. M. T.	Epicentre	Intensity
	h m		
Jan. 16	11 27	SW part of Waiyôgun, Kôgendô.	Moderate
Feb. 11	3 07	Heisyôgun, Kôgendô.	Rather strong?
Mar. 7	12 57	Vicinity of Taikyû.	Slight
Mar. 9	3 46	Vicinity of Taikyû.	Slight
May 21	4 37	Mosyugun, Zenrahokudô.	Moderate
May 23	2 31	Seitô, Zenrahokudô.	Slight?
May 24	14 15	Kôryôwan, Heiannandô.	Slight?

Date	G. M. T.	Epicentre	Intensity
	h m		
July 12	16 18	Vicinity of Keizyô.	Slight
Sept. 2	15 29	Vicinity of Masan.	Rather strong
Nov. 20	14 18	Vicinity of Heizyô.	Slight
Dec. 15	20 59	Upper Valley of the River Bankei, Zenrahokudô.	Rather strong
Dec. 20	14 53	Upper valley of the River Bankei.	Rather strong

The unfelt earthquakes which occurred in Tyôsen in the year 1933.

Date	G. M. T.	Epicentre
	h m	
Mar. 3	1 19	Middle valley of the River Sensin.
Apr. 3	1 46	Vicinity of Heizyô ?
Aug. 27	23 42	Vicinity of Taikyû.
Nov. 6	7 26	Middle coast of Zenrahokudô.



The map of distribution of the epicentres of earthquakes occurred in Tyôsen in the Year 1933.

4. Summary of the Earthquakes recorded in Tyôsen in the year 1933.

Summary of the readings of observations made at each station in Tyôsen in the year 1933 are tabulated in the following table for each earthquake and the readings made at several stations in Nippon and foreign countries corresponding to each earthquake are added to, which are abstracted from "Kisyô Yôran" (Monthly Report of Geophysics of Central Meteorological Observatory, Tôkyô), Preliminary Bulletin of Central Station of the Jesuit Seismological Association and Bulletins of other foreign stations at hand.

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
1	Jan. 1	Zinsen	P	8 59 07.9							8 28.9?	7000?	Africa?
		Keizyô	eP	59 08.0							8 26.	6940	
		Taikyû	P?	59 38.3?							7 42.1?	6105?	
		Heizyô	P	59 54.0							8 03.4?	6500?	
		Amboina	P	8 56 10							5 53	4330	
		Batavia	Pz	58 35							8 04	6560	
		Zi-ka-wei	Pz	58 54									
		Medan	P	59 56							9 52	7690	
		Pasadena	iz	9 01 06									
		Florissant	iPz	07 25							5 55	4135	
		Hamburg	ez	07 52									
		Ottawa	eE	14 06									
		St. Louis	e	30									
2	Jan. 3	Taikyû	P	15 30 11.2							2 28.8?	1420?	(m) 190km. ENE off Miyako, λ=144.°0E, φ=40.°4N. Felt moderately in the epicentral region.
		Keizyô	P	30 14.6	± 50	− 70		16	13				
		Zinsen	eP	30 16.2							2 10.1?	1220?	
		Heizyô	P	30 18.5									
		Morioka		15 27 40.6	NE295	NW375	−192	1.0	1.0	2.8	25.3	188	
		Sapporo		27 52.2			−226			4.0	45.0	334	
		Tôkyô		28 35.4	±220	±200	± 40	7.8	6.2	4.0	1 09.0	630	
		Wazima		28 40.0	± 64	± 56	± 6				1 26.3	793	
		Kôbe		29 28.8	− 21	± 22	− 8			6.3	1 47.5	995	
		Kôti		29 37.	±150	±150			2.0		2 23.	1350	
		Hamada		29 44.6							2 56.3	1703	
		Hukuoka		30 14.1	−33	± 21		15.4	14.5		3 15.2	1912	
		Zi-ka-wei	ez	15 31 38			14			15	4 00.	2533	
		Saint Louis	e	37									
		Batavia	eP	37 26							7 27.	5900	
		Medan	e	44 06									
		Hamburg	e	16 11			21			19			
		Württemberg	eL	16 11									
3	Jan. 3	Keizyô	P	22 43 03.0							1 37.6	900	The Nippon Sea, Deep earthquake.
		Zinsen	P	43 06.1							1 40.4	920	
		Pasadena	iPz	22 52 28									
4	Jan. 4	Keizyô	P	1 29 04.8							3 25.2	2020	(r) 270km. SE off Titi-zima, the Bonin Islands. λ=145.°0E, φ=25.°8N. Felt rather strongly at Titi-zima.
		Zinsen	P	29 06.8							3 31.9	2100	
		Heizyô	eP	29 21.9							3 56.6	2400	
		Titi-zima		1 25 22.6	+415	−425	−170	2.1	2.8	2.2	26.4	196	
		Hatizyô-zima		26 48.	+ 55	+ 45			1.7		1 24.	770	
		Tôkyô		27 17.0	±220	±120	± 36	10.4	8.3	3.5	1 54.0	1060	
		Siomisaki		27 20.5	− 5	+1		2.8	2.8		1 53.5	1055	
		Kôti		27 40.									
		Sendai		27 45.8	− 45	+ 89	+ 29	3.0	3.0	1.9	2 00.3	1123	
		Miyazaki		27 53.0	− 6	+ 5	− 4	13.0	12.0	14.2	2 45.8	1597	
		Wazima		27 55.5	± 27	+ 28	± 2	1.9	1.9	1.1	2 17.8	1298	
		Hamada		28 04.6							2 34.2	1472	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Naha		1 28 25.9	± 20	± 15		3.9	3.8				
		Taihoku		29 29.0							3 48.5	2298	
		Zi-ka-wei	Pz	1 29 33			– 28			15	3 40	2244	
		Batavia	Pz	33 29							6 54	5200	
		Medan	eP	33 36							7 01	5420	
		Saint Louis	ePE	38 23							10 50	9820	
		Florissant	iP	38 24									
		Ottawa	e	49 25									
5	Jan. 4	Keizyô	P	4 09 02.0							7 48.	6220	Alaska.
		Zinsen	eP?	09 11.8							7 41.1?	6090?	J.S. A. gives λ=145°W φ=60.°3N U. S. C. G. S. gives λ=143° W, φ=62°N.
		Sitka	iP	4 01 20							4 01	2450	
		Spokane	eP	04 29							5 18	3515	
		Pasadena	ePEZ	06 06							6 01	4245	
		Tucson	eP	06 29							5 54	4120	
		Madison	iP	06 57							6 11	4420	
		Florissant	iPHZ	07 18							6 20	4590	
		Saint Louis	ePH	07 19							6 29	4755	
		Little Rock	iP	07 35							6 27	4720	
		Ottawa	eP	07 36							6 30	4775	
		Baffalo	iP	07 40							6 45	5055	
		Pittsburgh	eP	08 00							6 54	5215	
		Georgetown	iP	08 11							6 57	5275	
		Fordham	eP	08 12									
		Woodstock	P	08 25									
		Denver	eSN	11 30									
		Zi-ka-wei	ez?	21 53			+ 10			14			
		Medan	e	23 35									
6	Jan. 7	Taikyû	e	4 09 45.0	+130	+ 92		18	13				(r) 200km. NE off Miyako. λ=144.°0E, φ=40.°3N. Felt rather strongly in the epicentral region.
		Keizyô	P	09 51 4	+240	+190		14	13				
		Heizyô	P	09 54.7	+ 35	± 56		15	20				
		Zinsen	e	09 57.	+340	–260	+280	17.6	16.1	13.9			
		Husan	eP	09 57.6									
		Morioka		4 07 11.9	>±630	>±620		2.2	2.1		35.0	260	
		Sapporo		07 27.7			–542			3.5	50.3	373	
		Tôkyô		08 10.0	–450	–560	±600	6.5	5.4	4.3	1 11.	650	
		Wazima		08 12.6	–180	–170	± 34	2.8	3.1	3.1	1 21.6	746	
		Ootomari		08 16.0	+625			22.2			2 27.	1400	
		Gihu		08 33.5	+105	–700	+320	4.3	15.0	11.0	1 38.0	900	
		Kôbe		08 53.4	–124	+109	± 48	15.5	16.0	12.3	1 42.5	945	
		Hamada		09 11.4	–327	+404	–271	15.2	14.2	14.1	2 06.2	1182	
		Kôti		09 16.0	±700	±900		17.0	17.0		2 07.	1190	
		Hukuoka		09 47.3	+186	– 80	±100	14.4	12.4	10.8	2 22.8	1348	
		Titi-zima		09 55.3		–110			10		2 11.8	1238	
		Naha		11 07.5	± 34	± 34	± 6	18.0	15.0	15.0	4 00.2	2442	
		Isigaki-zima		11 46.5							4 14.8	2622	
		Taihoku		11 58.	+300	+400	+165	15.0	17.2	16.5			
		Zi-ka-wei	Pz	4 11 10.	– 33	– 70	– 78	12	13	12	3 50	2389	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Amboina	P	4 15 11							6 48	5220	
		Medan	eP	15 18									
		Batavia	P	16 36							7 56	6420	
		Pasadena	ePz	18 15							9 33	8360	
		Hamburg	ePz	18 39							10 00	8800	
		Württemberg	eP	19 06							10 17	9000	
		Florissant	iPNZ	19 33									
		Little Rock	ePE	19 44							10 40	9600	
7	Jan. 8	Taikyû	P	6 31 56.0									(m) 140km. eastern off the mouth of the River Mabuti. λ=142.°9E, φ=41.°2N. Felt rather strongly in the epicentral region.
		Heizyô	eP	32 03.									
		Keizyô	eP	32 03.2									
		Zinsen	eP	32 06.							2 30?	1430?	
		Morioka		6 29 27.8	+210	+215	±167	1.0	0.9	3.3	24.3	180	
		Sapporo		29 44.7	+208	+348	+125	3.1	2.1	2.1	41.8	310	
		Tôkyô		30 21.7	+140	±141		3.5	3.7		1 22.3	753	
		Wazima		30 30.6	± 35	± 42					1 33.6	860	
		Ootomari		30 31.5							1 57.	1090	
		Gihu		30 44.4	+ 35	- 34	- 16	3.1	2.3	2.4	1 43.5	955	
		Oosaka		31 18.1	- 68	- 75	+ 20	3.5	4.6	3.4	1 41.4	934	
		Kôti		31 42.							2 30.	1430	
		Hamada		31 38.8							2 57.8	1718	
		Hukuoka		32 44.1							3 01.0	1760	
		Zi-ka-wei	Pz	6 33 26			+ 11			16	4 40.	2244	
		Pasadena	ePz	39 56									
		Württemberg	eLNE	7 15 —									
8	Jan. 9	Zinsen	P	2 09 32.0							6 14?	4480?	Württemberg gives; λ=71°E, φ=36°9N. (NE part of Afghanistan.)
		Keizyô	P	09 33.1									
		Medan	P	2 08 32							6 37	5030	
		Zi-ka-wei	iPz	09 16			- 7			11			
		Hamburg	iPz	09 37	+ 35	+ 40	+ 15	7	7	7			
		Württemberg	iPZE	09 45.5		-4500	+11700				6 28	5100	
		Batavia	PN	10 46							7 02	5440	
		Amboina	iP	12 10							8 34	7150	
		Pasadena	ePNEZ	15 48									
		Florissant	iz	19 41									
9	Jan. 10	Zinsen	eP?	3 12 47.7							1 35?	870?	NW off Amami-Oosima, Kagosima Prefecture.
		Keizyô	P	13 01.0							1 20	730	
		Zi-ka-wei	ez	3 10 36			± 9			8			
10	Jan. 15	Zinsen	P	18 10 05.6							7 01	5340	New Guinea. λ=147°E, φ=5°S.
		Keizyô	P	10 26.5							6 44.3	5035	
		Florissant	ePE	18 06 09									
		Amboina	iP	06 17							3 23	2050	
		Batavia	P	09 30									
		Zi-ka-wei	ez	10 04			- 5			12			
		Medan	P	10 22							6 16	4700	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Pasadena	iPNEZ	18 15 21									
		Württemberg	eL	19 03 —									
11	Jan. 16	Keizyô	P	11 27 09.8							16.6	124	SW part of Waiyô-gun, Kôgendô Tyô-sen. λ=127°28′E, φ=38°37′N. Felt rather strongly in the epicentral region.
		Zinsen	P	27 13.7							19.7	146	
		Heizyô	P	27 15.1							20.7	153	
		Taikyû	S	28 18.5									
		Husan	eP	28 40.0									
12	Jan. 21	Zinsen	e	16 38 12.6									
		Keizyô	eP?	38 13.3									
		Heizyô	P	38 14.6									
		Württemberg	e	16 44 08									
		Hamburg	eN	46 28	+ 13	+ 6	+ 5	12	12	12			
13	Jan. 21	Zinsen	eP	19 34 01.2		± 70			16		10 50.4?	9820?	The Indian Sea. J. S. A. gives λ=59°E, φ=41°S U. S. C. G. S.; λ=59°E, φ=37°S Württemberg; λ=56°E, φ=35.°5S
		Keizyô	eP	34 33.2							10 37.0	9530	
		Heizyô	eP	34 40.1									
		Taikyû	e	41 41.	± 58			16					
		Medan	P	19 29 06							7 39	6130	
		Batavia	P	30 31							7 30	5900	
		Malabar	eP	30 31							7 34	6010	
		Amboina	P	32 33							9 05	7760	
		Manila	iP	33 05							10 07	8930	
		Zi-ka-wei	ez	34 00			+ 39			16	10 29?	9282?	
		Württemberg	ez	34 26	+ 35	+ 23	+ 55	18	18	18		10600	
		Hamburg	ePz	34 40	+ 95	+280	+ 75	18	60	30		11100	
		Fordham	iP′	40 37									
		Ottawa	eP′	40 40								15900	
		Buffalo	iP′	40 47									
		Woodstock	iP′	40 49									
		Florissant	iP′z	41 04									
		Little Rock	eP′E	41 07									
		Saint Louis	iP′EN	41 14									
		Madison	iP′	41 21									
		Pasadena	iP′z	41 21									
		Tucson	eP′	41 30									
		Sitka	iP′	41 37									
		Honolulu	iP′	44 00									
14	Feb. 3	Heizyô	P	22 16 20.4							3 52.7	2350	Northern off the island of Urupp, the Kurile Islands. J. S. A. gives; λ=151°E, φ=46°N.
		Taikyû	eP	16 25.3							3 52.0	2340	
		Keizyô	P	16 25.4							3 55.3	2375	
		Zinsen	P	16 27.9							3 57.0	2400	
		Zi-ka-wei	Pz	22 17 36			+ 15			20	5 10	3589	
		Batavia	i	22 16									
		Pasadena	iP	22 31							8 48	7370	
		Hamburg	ez	23 30			+ 18			24			
		Madison	iP	23 30							9 37	8340	
		Florissant	iP	23 46							9 57	8730	
		Saint Louis	iP	23 47							9 54	8670	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Württemberg	iPz	22 23 55							9 59	8800	
		Little Rock	eP	23 58							10 03	8850	
		Cincinnati	iP	24 00							10 03	8850	
		Fordham	eP	24 16							10 20	9190	
		Georgetown	iP	24 17							10 19	9170	
15	Feb. 4	Keizyô	P	6 23 12.2									WNW off Titi-zima, the Bonin Islands.
		Zinsen	P	23 26.6									
		Pasadena	iP	6 29 35									
16	Feb. 9	Taikyû	P	3 59 00.9							1 44.0	960	(r) 200km. SW off the island of Hatizyô. Depth ; 250km. λ=138.°8E, φ=31.°7N.
		Keizyô	P	59 23.8							2 04.3	1160	
		Zinsen	P	59 25.9							2 04.6	1170	
		Hatizyô-zima		3 57 44.7	−240	±300	− 70		1.7		39.4	292	Felt at Hatizyô and eastern part of Kwantô district.
		Siomisaki		57 52.0	+ 30	± 44	+ 8	4.2	3.3	1.5	46.3	343	
		Hamamatu		57 55.3	− 31	− 54		3.1	3.1		50.7	376	
		Tôkyô		58 03.	−200	+140	+ 50	6.5	4.5		52.0	386	
		Kôbe		58 04.2	+ 36	− 37	− 13		5.0	4.6	54.7	406	
		Titi-zima		58 19.2	− 65	+ 52	− 41	0.4	1.0	0.6	1 07.7	617	
		Wazima		58 24.1							1 07.5	615	
		Hamada		58 26.5							1 11.3	653	
		Sendai		58 32.0	+ 78	− 29	± 20	0.7	1.5	1.7	1 17.4	703	
		Hukuoka		58 34.3		− 17	− 7	−	3.3	2.9	1 26.1	791	
		Sapporo		59 32.4	− 17	− 25		3.7	3.7		2 03.1	1151	
		Pasadena	iPz	4 08 38									
17	Feb.13	Heizyô	eP	2 54 59.5									The Altai range. Württemberg gives λ=89°E, φ=46°N.
		Keizyô	P	55 07.0							4 57.0	3205	
		Zinsen	eP	55 08.							5 01	3255	
		Taikyû	eL?	3 04 55.7									
		Husan	eL?	05 16.7									
		Zi-ka-wei	iPz	2 55 06			+ 45			9	9 40?	8222	
		Medan	eP	57 16									
		Hamburg	ePz	58 09	+ 60	+100	+ 50	8	11	11			
		Württemberg	P	58 30							7 14	5700	
		Batavia	P	3 01 15									
		Pasadena	i	02 43									
18	Feb.13	Zinsen	e	4 38 34									
19	Feb.13	Keizyô	P	23 10 55.7							3 55.0	2375	Eastern off the cape of Nosyappu, Hokkaidô district.
		Zinsen	eP	10 58.1							3 52.?	2340?	
20	Feb.19	Taikyû	P	4 29 06.6							2 21.8	1340	WSW off the island of Yonakuni. λ=122.°4E, φ=24.°2N.
		Zinsen	P	29 16.7							2 34.0	1470	
		Keizyô	P	29 18.5							2 43.8	1568	
		Heizyô	P	29 34.7									
		Taihoku	iP	4 26 33.5	+750	−850	+130				17.3	129	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Zi-ka-wei	ez	4 27 38							1 28?	810	
		Medan	i	32 30									
		Batavia		32 48									
21	Feb.19	Zinsen	P	4 29 46.0							2 05.0	1640	
22	Feb.21	Keizyô	e	18 17 24.4									
23	Feb.23	Heizyô	eP	8 28 54.1									
		Zinsen	eP	29 13.	-149	± 90	± 48	48	43	25			Damage at Iquique, Chile.
		Keizyô	P	29 16.0	± 81	± 57		26.0	22.0		10 49.0	9795	J. S. A. gives λ=71°W.
		La paz	iP	8 10 28								410	φ=19,°5S Depth;100km.
		San Juan	iP	16 38							5 47	4000	H ; 8h09m38s
		Little Rock	ePN	19 13							7 58	6400	U. S. C. G. S. gives
		Woodstock	iP	19 23							8 10	6630	λ=69°W, φ=19°S
		Georgetowa	iP	19 18							8 04	6515	H ; 8h09m25s
		Cincinnati	iP	19 27							8 07	6570	
		Fordham	iP	19 31							8 09	6610	
		Saint Louis	eP	19 32							8 16	6740	
		Florissant	iP	19 33							8 19	6800	
		Chicago	iP	19 42							8 26	6940	
		Buffalo	iP	19 46									
		Ann Arbor	iP	19 48							8 30	7015	
		Madison	iP	19 49							8 38	7170	
		Ottawa	iP	20 00							8 43	7270	
		Tucson	iP	20 04							8 38	7170	
		Denver	ePN	20 19							8 51	7420	
		Pasadena	iP	20 34							9 17	7940	
		Berkeley	eP	21 02							9 48	8550	
		Ukiah	eP	21 14							9 49	8570	
		Spokane	P	21 28							9 58	8750	
		Victoria		22									
		Württemberg	iP	22 53	+100	+160	+175	24	21	21		11000	
		Hamburg	Pz	23 07	+130	+240	+200	20	20	20		10700	
		Amboina	iP	29 00									
		Batavia	e	29 08									
		Manila	eP′	29 20									
		Medan	P′	29 30									
		Zi-ka-wei		29 20							4 46	3040	
24	Mar. 2	Husan	P	17 34 02.5							2 43.0	1560	(r) Strong earthquake off Sanriku. (230km. off Kamaisi, Iwate Prefecture.) λ=144.°7E, φ=39.°1N. Great damage along Sanriku coast due to the tidal wave occurred after the shock.
		Taikyû	P	34 05.9	±9091	±4545		17.8	20.8		2 27.0	1400	
		Keizyô	P	34 16.6							2 31.7	1450	
		Zinsen	iP	34 19.2	±3700	±7800	±7500	11.9	19.6	18.5	2 39.0	1520	
		Heizyô	eP	34 21.5							2 53.1	1670?	
		Miyako		17 31 35							29.	215	
		Morioka		31 38.9	NW 14600	NE 16500	+10200	2.5	2.6	2.4	35.3	262	
		Sendai		31 44.2	+22700	>+17900	-16650	3.4	3.4	5.0	35.8	266	
		Sapporo		32 04.4	>±20000	>±12750							
		Tôkyô		32 14.	+12700	-8800	-8300	5.0	4.3	3.8	1 00.	540	
		Wazima		32 30.2	±2400	±3000					1 17.8	708	
		Hamamatu		32 49.4	>±4000	>±4000					1 15.0	680	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Kôbe		17 33 06.3	SW 3000	SE4800	−5200	4.3	4.7	4.3	1 38.5	905	
		Kôti		33 26.7	±17500	±17500	±12500		2.6	2.4	2 01.	1130	
		Hamada		33 36.3							1 51.2	1652	
		Titi-zima		33 46.5	>±1900	>±1400	−3500			9.0	2 19.0	1310	
		Hukuoka		33 56.6	±2000	±2000	>±200	6.6	8.8		2 56.5	1705	
		Dairen		35 06.2	+220			15.5			3 29.	2070	
		Naha		35 39.5	±1350	±1500	±572	5.0	4.4	2.5	3 34.2	2123	
		Taihoku		36 12.5	>±1200	>±1200	±6500	25	25	15	4 23.4	2736	
		Zi-ka-wei	iPz	17 35 34	−903	+2976		15	16		4 00	2533	
		Amboina	iP	39 16							6 50	5260	
		Honolulu	iP	40 18							6 53	5195	
		Medan	iP	40 25							8 35?	7160?	
		Batavia	iP	40 41							8 27	7020	
		Malabar	eP	40 54							8 32?	7100?	
		Victoria	P	41 20									
		Spokane	iP	41 52							9 00	7600	
		Apia	iP	41 54									
		Ukiah	eP	42 00							9 13	7860	
		Berkeley	iP	42 06							9 07	7740	
		Pasadena	iPz	42 31							9 57	8720	
		Denver	eP	43 04							9 01	7620	
		Hamburg	iP	43 05	>3700	>5000	3000	40	40	40			
		Württemberg	eP?	43 09.5							10 48?	9450	
		Madison	iP	43 31							10 19	9170	
		West Bromwich	iP	43 31							10 36	9510	
		Strasbourg	iP	43 32							10 33	9450	
		Saint Louis	eP	43 40							10 44	9680	
		Chicago	iP	43 42							10 38	9555	
		Ann Arbor	iP	43 42							10 36	9510	
		Florissant	iP	43 45							10 47	9750	
		Ottawa	iP	43 48							10 37	9650	
		Denton, Texas	iP	43 49							10 49	9795	
		Buffalo	iP	43 54							10 32	9430	
		Little Rock	iP	43 55							10 53	9880	
		Cincinnati	iP	44 02							10 57	9970	
		Woodstock	eP	44 06							10 49	9795	
		Fordham	iP	44 13							10 45	9705	
		Georgetown	eP	44 13							10 19	10470	
		Tortosa	P	44 15							10 58	9995	
		Halifax	P	44 16							11 14	10350	
		La Paz	iP′	50 08									
25	Mar. 2	Taikyû	P	18 29 26.0									(r) After shock of No. 24. λ=144°E, φ=39°N.
		Keizyô	P	29 30.4									
		Zinsen	P	29 33.1									
26	Mar. 2	Taikyû	P	19 44 48.4									(r) Ditto. λ=143. 2E, φ=39°4N.
		Zinsen	P	44 49.2									
		Heizyô	P	44 58.2									
		Keizyô	L?	45 02.5									
27	Mar. 2	Taikyû	P	20 45 53.2		+125			12.7		2 49.8	1640	(r) Ditto. λ=144.°6E, φ=39.°3N.
		Keizyô	P	46 03.7									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ		s	s	m s	km	
		Zinsen	P	20 46 06.4									
		Heizyô	P	47 08.7							2 32.4	1454	
28	Mar. 2	Zinsen	eL	22 42 16.									(m) Ditto. λ=143,°7E, φ=39.°6N.
		Keizyô	eL	42 18.6									
29	Mar. 3	Keizyô	P	0 21 21.5							3 48.2	2290	Ditto.
30	Mar. 3	Husan	P	1 19 03.5							15.0	111	Middle valley of the River Sensin, Zenra-hokudô, Tyôsen.
		Taikyû	P	19 08.3							13.0	97	
		Keizyô	P	20 23.0									
		Zinsen	P	20 26.3									
31	Mar. 3	Zinsen	eP	2 24 27.3									
		Keizyô	P	24 34.4							4 36	2485	Philippine.
		Heizyô	P	24 49.8									
		Taikyû	eL	28 29.6									
		Zi-ka wei	Pz	2 23 16			3			12	3 00	1744	
		Amboina	e	24 34									
		Medan	P	24 50							4 05	2580	
		Batavia	eP	25 06							4 21	2810	
		Pasadena	ez	37 47									
32	Mar. 3	Taikyû	eP	4 40 42.2									(m) After shock of No. 24. λ=143.°6E, φ=39°N.
		Keizyô	P	41 02.0									
		Zinsen	P	41 05.3									
33	Mar. 3	Zinsen	e	5 38 07.									Ditto.
34	Mar. 3	Taikyû	P	9 15 51.4							2 40.0	1530	(r) Ditto. λ=143.°E, φ=39°N.
		Keizyô	P	15 59.0	+ 24	− 21		13.0	10.0		2 44.2	1570	
		Zinsen	P	16 01.									
		Heizyô	P	16 07.9							2 42.3	1550	
35	Mar. 3	Taikyû	eP	9 41 40.2							2 28.6	1420	(r) Ditto. λ=143.°E, φ=39°N.
		Keizyô	P	41 49.2							2 36.8	1500	
		Zinsen	P	41 55.3									
		Heizyô	P	41 58.1							2 52.5	1665	
36	Mar. 3	Taikyû	eP	10 07 23.9									(r) Ditto. λ=144°E, φ=39°N.
		Zinsen	P	07 39.2									
		Keizyô	P	08 00.0							2 16.0	1280	
		Heizyô	eS?	10 07.0									
37	Mar. 3	Zinsen	P	10 35 10.5									(r) Ditto. λ=143°.E, φ=39.°7N.
		Taikyû	P	35 12.4									
		Keizyô	P	35 27.4							2 54.6	1690	
38	Mar. 3	Taikyû	P	11 59 33.6									
		Keizyô	P	59 34.0							2 47.2	1610	(r) Di to. λ=145°E, φ=38.°2N
		Zinsen	eL	12 04 18.									
39	Mar. 3	Taikyû	P	12 16 54.2									Ditto.

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s		s	m s	km	
		Keizyô	P	12 17 06.2							3 11.8	1875	
		Zinsen	P	17 12.3									
40	Mar. 3	Taikyû	eP	15 05 12.7									(r) Ditto.
		Keizyô	P	05 23.7							2 54.2	1680	λ=144.°4E,
		Zinsen	eP	05 25.2									φ=39°N.
41	Mar. 3	Taikyû	eP	15 10 12.9							2 31.9	1450	(r) Ditto.
		Keizyô	P	10 24.9							2 39.0	1520	λ=144°E.
		Zinsen	eP	10 13.6									φ=39.°4N.
42	Mar. 3	Taikyû	eP	15 53 14.9									(r) Ditto.
		Keizyô	P	54 11.4									λ=143.°7E,
		Zinsen	eL	59 32									φ=39°N.
43	Mar. 3	Taikyû	eP	16 14 51.0									(m) Ditto.
		Keizyô	P	15 04.8							3 00.4	1745	λ=145.°1E,
		Zinsen	P	15 07.1									φ=39.°1N.
44	Mar. 3	Taikyû	eP	18 50 17.7									(m) Ditto. λ=143.°8E, φ=38.°8N.
45	Mar. 3	Zinsen	P	19 10 19.2									(r) Ditto.
		Taikyû	eP	10 24.5							2 37.0	1500	λ=144.°4E,
		Keizyô	P	10 32.7							2 39.0	1520	φ=39°N.
46	Mar. 3	Taikyû	eP	19 53 33.3									(m) Ditto. λ=143.°5E, φ=39.°3N.
47	Mar. 3	Taikyû	eP	20 23 17.6									(m) Ditto. λ=143.°5E, φ=39.°5N.
48	Mar. 7	Taiky	P	12 57 52.2							0.5	38	Local. Felt slightly at Taikyû.
49	Mar. 8	Keizyô	P	1 38 48.0							2 20 0	1320	(r) After shock of
		Zinsen	P	38 50.4							2 43.4	1560	No. 24
		Heizyô	P	38 55.9									λ=144°E, φ=39.°6N.
50	Mar. 8	Husan	eP	10 28 26.3							47.0	349	(m) Iyo-nada, Ehime Prefecture. (45km. SW off the City of Matuyama.)
		Matuyama		10 27 34.2	−342	+640	−171	0.6	0.5	0.5	6.6	49	
		Hukuoka		27 55.0							21.9	163	λ=132.°4E, φ=33.°
		Hamada		27 48.9	− 6	− 10	+ 14	1.4	1.3	0.8	17.9	134	7N. Felt in Sanyô,
		Kôbe		28 04.8	+ 3	− 6	+ 6		0.5	1.7	35.8	266	Sikoku, and Kyûsyû
		Gihu		28 25.4									districts.
51	Mar. 9	Taikyû	P	3 46 17.0							2.2	16	Local. Felt slightly at Taikyû
52	Mar.11	Keizyô	eP	14 25 57.1	± 21	± 30		13.0	15.0		3 04.4	1790	After shock of
		Taikyû	eL	28 38.8	−110	+111		19.7	17.5				No. 24
		Zinsen	e	29 39									
53	Mar.11	Taikyû	P	19 34 13.7							2 20.9	1329	(r) 250km. WNW off Titi-zima, the Bonin Islands.
		Husan	eP	35 28.9									
		Keizyô	P	35 57.1							2 34.0	1470	λ=140.°E, φ=28°N.
		Zinsen	P	35 59.1							2 30.0	1430	Depth 350km.
		Heizyô	iP	36 16.9							2 51.5	1655	Felt at Titi-zima and Kwantô, Tôhoku districts.

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				h m s	μ	μ	μ	s	s	s	m s	km	
		Titi-zima		19 33 49.1	-1100	+850	+550	1.5	1.5	2.5	51.0	378	
		Hatizyô-zima		34 28	-244	+225			3.4		1 13	670	
		Tokyô		34 50.9	+270	-210					1 38	900	
		Hamamatu		34 51.0	+ 54	− 72		2.7	3.3		1 21.4	744	
		Kôti		34 52.3	± 80	±110	± 40	8.5	8.5	8.5	1 38	900	
		Kôbe		19 34 53.2	-112	-183	-145	3.9	4.5	3.0			
		Hamada		35 10.2	+ 25	+ 17		2.9	4.1		1 49.3	1013	
		Hukuoka		35 11.2	− 44	− 77	− 93	3.4	3:4	5.6	1 58.1	1101	
		Akita		35 32.8	-455	-325	-130	3.5	3.7	2.8	2 17.2	1292	
		Sapporo		36 08.8	-120	+188			3.9		2 42.0	1550	
		Wazima		36 14.0	± 80	± 81	± 16	3.1	3.0		1 54.2	1062	
		Taihoku		36 15.9	+ 50	-120		5.3	5.3		2 47.4	1614	
		Dairen		36 42.1							3 14.7	1907	
		Palau		36 47.0							8 13.6	1896	
		Zi-ka-wei	iPz	19 36 14			− 30			9	2 56	1622	
		Amboina	iP	38 18									
		Medan	e	40 15							6 04	4490	
		Batavia	iP	40 22							6 15	4650	
		Malabar	iP	40 24							6 19	4760	
		Hamburg	iPz	44 44	9		6	15		16		8400	
		Württemberg	iPz	45 02							9 43	9100	
		Ottawa	e	49 55									
		Little Rock	e	49 56									
		Pasadena	iS	53 54									
54	Mar.12	Keizyô	eP	5 09 07.8							2 27.2	1400	After shock of No. 24
		Zinsen	eL	12 11									
55	Mar.17	Keizyô	P	16 01 23.4	− 10	± 19		9.8	13.0		4 54.1	3155	The Aleutian Islands λ=166°E, φ=51°N. J. S. A. gives λ=160°E, φ=56°N. (Kamtchatka)
		Heizyô	eP	01 29.2							4 54.0	3155	
		Zinsen	P	01 41.1							5 00.6	3250	
		Taikyû	eP?	03 22.7									
		Sitka	iP	16 02 15							5 28	3675	
		Zi-ka-wei	iPz	02 32			+ 34			12	6 12	4589	
		Honolulu	eP	04 03							6 22	4630	
		Pasadena	iP	16 05 14							7 58	6410	
		Tucson	eP	05 56							8 30	7015	
		Amboina	i	06 02									
		Saint Louis	eP	06 25							9 05	7700	
		Florissant	iP	06 28							8 59	7570	
		Ottawa	eP	06 30							8 59	7570	
		Buffalo	iP	06 34									
		Hamburg	iP	06 36		53			20			7800	
		Cincinnati	iP	06 42							9 11	7820	
		Little Rock	iP	06 42							9 10	7800	
		Medan	i	06 46									
		Württemberg	iP	07 03.5							9 28	8200	
		Georgetown	eP	07 10							9 25	8100	
56	Mar.17	Keizyô	eP	19 38 11.0	± 50	± 50		16.0	16.0		4 07.8	2540	Mindanao. λ=128°E, φ=7°N.
		Taikyû	eP?	38 40.7									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Heizyô	eP	19 39 30.6							4 50.0	3095	Württemberg gives λ=128°E. φ=5.°5N Manila gives λ=128°E, φ=6.°5N.
		Zinsen	eS?	43 17									
		Amboina	P	19 35 00									
		Batavia	iP	37 36							4 17	2670	
		Zi-ka-wei	iPz	37 50			- 81			16	4 52	3311	
		Medan	iN	38 31									
		Württemberg	eP	46 26	28	25	42	20	20	20	11 58	11700	
		Ottawa	e	53. 3									
		Hamburg	eL	20 21									
57	Mar.18	Taikyû	iP	15 53 50.5							2 04.8	1170	(r) 80km. Southern off the island of Hatizyô. λ=139.°7E, φ=32.°4N. Felt at a part of Kwantô district.
		Keizyô	P	54 15.1							2 19.0	1310	
		Zinsen	iP	54 17.2							2 33.6	1465	
		Heizyô	iP	54 33.9							2 07.5	1195	
		Hatizyô-zima		15 51 58.2	+470	−450	+ 97	1.7	2.0		17.9	134	
		Hamamatu		52 18.3	−169	−138		3.6	3.6		34.0	252	
		Tôkyô		52 25.7	+120	−155					37.8	281	
		Oosaka		52 35.9	+386	+221	−123	3.3	3.4	3.1	48.2	358	
		Kôti		52 49.5	± 35	± 50	± 40	5.0	3.0	3.0	1 00	540	
		Titi-zima		52 50.5	- 60	- 63	- 50	0.5	0.6		1 02.8	568	
		Wazima		52 53.3	± 56	± 33					1 59.0	1110	
		Hamada		53 09.7							1 19.0	720	
		Morioka		53 16.4		± 12			0.7		1 17.7	707	
		Akita		53 18.2	± 28			3.7			1 11.0	650	
		Hukuoka		53 25.2	- 32	- 14	- 7	3.3	3.3	2.9	1 26.9	799	
		Sapporo		53 53.8									
		Naha		54 25.5	± 16	± 11		3.1	2.6		2 13.0	1250	
		Taikoku		55 26.5							3 12.8	1889	
		Pasadena	iP	16 03 33									
		Württemberg	eL	49									
58	Mar.23	Heizyô	eP	17 42 14.4									Mongolia, Würtemberg gives λ=109°E, φ=51°N.
		Zinsen	eP?	42 28.8									
		Keizyô	P	42 32.6									
		Taikyû	eP?	42 57.0									
		Württemberg	ePE	17 48 33							7 39	6500	
59	Mar.25	Husan	eP	12 51 03.7							37.0	275	Neighbourhood of Mt. Aso λ=131°1E, φ=32.°9 N. Felt over Kyûsyû district.
		Taikyû	P	51 27.4							44.5	332	
		Keizyô	P	52 08.8							1 08.3	507	
		Zinsen	P	52 09.8							1 11.8	533	
		Heizyô	eP	53 04.0							1 11.0	530	
60	Mar.31	Keizyô	eP	22 04 34.3							4 28.4	2795	Mongolia?
		Zinsen	eP?	04 39.8							3 25.2?	2020?	
		Württemberg	ez?	22 09. 9									
		Hamburg	e	31									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
61	Apr. 1	Taikyû	P	16 01 56.3									(r) After shock of No. 24. λ=143.°5E, φ=39.°5N.
		Zinsen	eP?	02 04	± 20	± 18		13.0	12.0		1 40?	920?	
		Keizyô	P	02 06.6	± 8	- 25		11.0	12.0				
		Heizyô	P	02 11.9							2 28.6?	1416?	
62	Apr. 1	Taikyû	P	22 44 06.9									(r) Ditto. λ=144°8E, φ=38.°6N.
		Zinsen	P	44 18.1							2 46.0	1600	
63	Apr. 2	Zinsen	eL?	10 16 37.1									(r) Ditto. λ=144.°0E, φ=39.°4N.
64	Apr. 3	Heizyô	P?	1 46 20.4							16.3?	121?	Local.
65	Apr. 9	Taikyû	eP	2 49 27.6	+140			13.2			2 35.0	1480	(r) After shock of No. 24. λ=144.°0E, φ=39.°2N.
		Keizyô	P	49 45.3	+ 76	+ 81		12.0	15.0				
		Zinsen	P	49 49.3	± 93	± 47	± 51	10.8	12.9	11.0			
		Heizyô	P	49 55.4		± 20			15		2 20.5?	1320?	
66	Apr. 9	Zinsen	eP?	10 33 17									(r) Ditto. λ=144.°2E, φ=39.°2N.
		Taikyû	eP	33 22.1									
		Keizyô	P	33 34.1							2 22.0	1340?	
67	Apr.19	Keizyô	P	2 58 51.8							2 44.0	1570	(r) Ditto. λ=144.°5E, φ=39.°6N.
		Zinsen	eP	58 57.8							2 42.2	1550	
68	Apr.19	Husan	P	6 47 41.7									(m)The Mouth of the River Daidakusui, Formosa. λ=121.°7E, φ=24.°3N. Felt over Formosa.
		Taikyû	P	47 51.5		- 64			4.5		2 32.6	1460	
		Zinsen	iP	48 00.9							2 39.8	1530	
		Keizyô	iP	48 01.8		- 61			4.2		2 44.8	1585	
		Heizyô	iP	48 20.8							2 59.1	1730	
		Karenkô		6 44 35.0									
		Taihoku		44 59.1	+21300	-22500	+5800	1.4	2.1	1.8	12.5	93	
		Isigaki-zima		45 19.1	±600	-475	±382	6.0	7.0	3.5	38.7	287	
		Naha		46 06.8			± 79			2.0	1 49.0	1010	
		Hukuoka		47 37.6	+ 43	+ 29	- 48	4.1	4.0	6.7	2 09.3	1213	
		Kôti		47 55.0							3 09.0	1840	
		Hamada		48 02.8	+ 81		+ 67	19.2		10.8	2 41.4	1544	
		Palau		43 23.4							3 47.4	2284	
		Kôbe		48 27.7	- 9	- 15	- 10	15.2	14.5	14.4	4 38.7	2181	
		Hamamatu		48 51.1							3 25.6	2026	
		Hatizyô-zima		48 57.0							3 33.0	2110	
		Titi-zima		48 58.3	± 10	±110	± 80	1.1	1.9	2.2	3 33.2	2112	
		Wazima		49 03.2							6 28.8	4751	
		Tôkyô		49 05.0							5 40.0	3875	
		Sendai		49 23.8							7 46.3	6186	
		Sapporo		49 23.9									
		Akita		49 29.0							5 00.0	3240	
		Florissant	iP	50 46							9 26	8120	
		Medan	P	50 50									
		Batavia	P	51 22									
		Württemberg	iPz	6 57 18	33	32	48	14	14	14		9500	
		Ottawa	e	7 03 37									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
69	Apr.23	Taikyû	eP	6 09 15									Near the island of Kos, Asia Minor. λ=26.°5E, φ=36.°5N. Destructive at the island of Kos and on main land of Asia Minor. H ; $5^h 57^m 18^s$ Depth ; 50km.
		Zinsen	eP	09 15.8							9 36.1	8320	
		Keizyô	P	09 18.8							9 32.2	8220	
		Ravensburg	eP	6 01 32							3 21	2050	
		Württemberg	iP	01 43.0							3 22	2100	
		Hamburg	eP	02 13	170	150	80	11	10	10	3 54	2420	
		Ottawa	eP	09 04							9 24	8060	
		Medan	e	09 07									
		Fordham	eP	09 15							9 30	8200	
		Buffalo	iP	09 20							9 40	8390	
		Georgetown	eP	09 25							9 56	8710	
		Cincinnati	iP	09 53							10 58	9995	
		Madison	eP	09 54							10 09	8970	
		Saint Louis	eP	10 03							10 23	9250	
		Manila	iP	10 08							11 59	11450	
		Batavia	e	10 13									
		Sitka	iP	10 13							9 54	8670	
		Little Rock	eP_N	10 29							10 50	9820	
70	Apr.23	Taikyû	P	7 16 38.6							1 42.0	940	(r) After shock of No. 24. λ=143 °6E, φ=39.°7N.
		Keizyô	P	16 48.2	± 55	+ 70		12.0	12.0				
		Zinsen	eP	16 51.3	- 47	- 49	+ 94	11.2	11.2	12.8			
		Heizyô	P	17 00.6									
71	Apr.23	Taikyû	P	8 28 56.5									Ditto. λ=143.°3E, φ=39.°4N.
		Keizyô	eP?	29 08.2							2 22.0	1240	
		Zinsen	eP	29 11.3									
72	Apr.27	Keizyô	eP	2 45 32.8	+ 72	±165		13.0	14.0		7 39 0	6050	Alaska. λ=148.°W, φ=68°N. J. S. A. gives λ=148.°8W, φ=60.°7N. H=$2^h 36^m 18^s$ U. S. C. G. S. gives λ=150°W, φ=61°N. H=$2^h 36^m 18^s$ Strong at Seward and Anchorage, Alaska. Nemerous after shocks.
		Zinsen	eP	45 32.9	-173	-126	±382	12.3	12.3	13.8	7 42.6	6120	
		Heizyô	P	45 33.1							7 28.5	5855	
		Taikyû	P	45 38.2							7 43.3	6120	
		Sitka	P	2 38 17									
		Spokane	iP	41 18									
		Saskatoon	P	41 41							4 38	2990	
		Berkeley	eP	41 56							4 52	3125	
		Ukiah	eP	41 58							5 03	3280	
		Pasadena	iP	42 52							5 21	3565	
		Denver	eP_E	43 02							5 26	3640	
		Tucson	iP	43 33							6 04	4295	
		Honolulu	iP	43 45							6 07	4350	
		Chicago	iP	44 00							6 16	4520	
		Florissant	iP	44 05							6 24	4665	
		Saint Louis	iP	44 06							6 25	4685	
		Ann Arbor	iP	44 06									
		Ottawa	iP	44 20							6 39	4960	
		Little Rock	iP_N	41 23							6 44	5035	
		Woodstock	iP	44 54									
		Georgetown	iP	44 55									
		Fordham	iP	44 58							7 04	5400	
		Weston, Mass.	eP	45 05							6 58	5295	
		Halifax	P	45 13							7 14	5580	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
		Württemberg	iP	h m s 2 47 14	μ 48	μ 39	μ 78	s 17	s 17	s 17	m s 9 08	km 7800	
		San Juan	P	47 25									
		Tortosa	iP	47 56							9 42	8430	
		Manila	iP	48 03							9 39	8375	
		Amboina	i	49 01									
		La Paz	iP	49 53									
		Medan	e	50 28									
		Batavia	e	53 33									
73	May 1	Keizyô	P	18 34 19.1							3 44.0	2245	Near the island of Etorohu, the Kurile Islands.
		Zinsen	eP	34 22.8							3 46.?	2270?	
74	May 1	Keizyô	P?	18 57 13.1									Ditto.
		Zinsen	eI.?	19 04 31.5									
75	May 1	Zinsen	eP	19 55 22.0							3 27.1	2040	Southern off the island of Etorohu, the Kurile Islands. λ=148.°5E, φ=43.°4N.
		Keizyô	P	55 23.1							3 48.0	2290	
		Kusiro		19 52 04.8	−380	−260		3.8	2.0		47.1		
		Sapporo		52 41.0	±173	−248	− 96	3.2	3.2	3.6	59.1	439	Felt slightly at Kusiro & Nemuro, rather strongly at Syana.
		Akita		53 13.4	+ 68	+ 69		2.7	2.7		1 35.9	860	
		Sendai		53 18.0	− 32	+ 41	+ 17	1.4	1.3	1.3	1 38.0	900	
		Tôkyô		53 54.7	− 22	− 26					1 59.0	1110	
		Wazima		53 57.0							2 12.4	1244	
		Oosaka		54 28.5	+ 13	+ 8	+ 6	3.2	3.4	2.4	3 33.6	2116	
		Hamamatu		54 50.9							3 03.4	1784	
		Hamada		54 58.4							3 04.8	1798	
		Titi-zima		55 26							3 05	1800	
		Hukuoka		55 26.3							3 49.5	2313	
		Pasadena	iP	20 02 12									
		Hamburg	iPz	02 59	13	15	12	17	30	17			
		Württemberg	eP	03 22									
		Saint Louis	eP	03 24							10 07	8930	
		Florissant	eP_E	03 26							10 05	8890	
76	May 3	Zinsen	eP	23 34 23.1							4 36	2905	The River Daidakusui, Formosa.
		Keizyô	P	34 27.0							4 30	2825	
77	May 8	Keizyô	eL	11 43 05.0									Mexico. J. S. A. gives λ=101.°2W φ=16.°3N. Depth 100km H=$10^h 33^m 50^s$
		Zinsen	eL?	35 03									
		Tucson	iP	10 37 50							3 25	2025	
		Little Rock	iP_E	38 03							3 35	2135	
		Pasadena	iP	38 46							4 17	2650	
		Saint Louis	eP	38 48							4 14	2610	
		Denver	eP_N	38 49							4 10	2560	
		Florissant	iP	38 51							4 20	2690	
		Chicago	iP	39 17									
		Madison	iP	39 31							4 38	2930	
		Berkeley	eP	39 39							4 53	3140	
		Ann Arbor	eP	39 42							5 12	3420	
		Georgetown	iP	39 54							5 01	3255	
		Buffalo	iP	40 10							5 10	3385	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Fordham	iP	10 40 20							5 23	3585	
		San Juan	iP	40 20							5 24	3605	
		Ottawa	eP	40 37							5 31	3790	
		Burlington	iP	40 50							5 25	3620	
		Sitka	iP	42 17							7 01	5340	
		Weston, Mass.	eS	46 30									
		Hamburg	eP	46 37									
		Württemberg	eP	46 45								10000	
		Honolulu	S	50 14									
78	May 12	Keizyô	e	16 21 06.6									
		Zinsen	eL	24 54									
		Württemberg	e	16 53									
79	May 16	Zinsen	eP	1 20 06.9							6 12.7	4460	North Sumatra. Württemberg gives λ=97°E. φ=5°N. H=1h 12m15s
		Taikyu	eP	20 12.7							6 10.6	4420	
		Heizyô	eP?	20 26.1							5 57.5	4175?	
		Keizyô	L	34 10.9		+ 64			13.7				
		Medan	iP	1 13 23							39	340	
		Batavia	iP	16 18							3 03	2570	
		Amboina	P	19 03							5 13	3600	
		Hamburg	ePz	24 52									
		Württemberg	eP	24 55							10 23	9250	
		Pasadena	e	31 02									
		Saint Louis	e	35 15									
		Florissant	eN	35 25									
80	May 19	Zinsen	eL	19 08 32									The Atlantic Ocean J. S. A. gives λ=14.°3W, φ=1.°9S H=17h 58m02s
		Keizyô	eL	09 00.4									
		Tortosa	iP	18 06 14							6 43	5015	Württemberg gives λ=16.°5W, φ=0.°5N.
		San Juan	P	07 26							7 37	6010	
		Württemberg	eP	07 28.5	52	36	83	16	16	16	7 38	5900	
		Hamburg	ePz	07 58	55	60	11	14	14	14	8 08	6600	
		Saint Louis	eP	08 12							11 57	11400	
		Fordham	eP	09 04							9 07	7740	
		Georgetown	iP	09 04							9 21	8020	
		Ottawa	eP	09 22							9 16	7890	
		Florissant	eP	10 14							9 55	8690	
		Little Rock	ePN	10 20							10 01	8810	
		Pasadena	ez	16 04									
81	May 21	Taikyû	P	4 37 25.1									Felt at Mosyu, Zenraholkudô, Tyôsen.
82	May 21	Zinsen	eP	11 58 26.9							2 58.6	1730	SSE off the island of Hatizyô.
		Keizyô	P	58 33.3							3 00.4	1790	
83	May 22	Taikyû	eP	20 46 40.0									Hyûga-nada, Miyazaki Prefecture. λ=131 °8E, φ=31.°9N. Felt at southern coast of Kyûsyû district.
		Keizyô	P	47 39.4									
		Zinsen	eP?	47 48.6									
84	May 23	Taikyû	eP	16 37 52.9							1 12.6	666	Ditto.

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Keizyô	P	16 38 22.5									λ=131.°7E,
		Zinsen	eP?	38 24.2							1 23.8	770	φ=31.°4N.
		Heizyô	eL	41 24.0									
85	May 23	Taikyû	eP	16 53 09.5							1 27	646	Ditto.
		Keizyô	eP	53 35.5									λ=131.°4E,
		Zinsen	e	55 05									φ=31.°2N.
		Heizyô	L	56 44									
86	June 2	Husan	P	7 39 55.7							1 11.3	650	Miyakonozyô,
		Taikyû	P	40 06.8							1 26.8	800	Miyazaki Prefecture.
		Keizyô	P	40 37.3	+ 37	+117		4.8	5.2		1 28.0	810	λ=131.°1E,
		Zinsen	P	40 37.3							1 33.8	860	φ=31.°7N.
		Heizyô	P	41 04.3							1 49.0	1010	Felt at SE part of Kyûsyû.
		Medan	i	7 46 31									
		Batavia	Pv	46 54							6 34	4960	
		Hamburg	eZ	51 02	14	21	20	15	15	15			
		Württemberg	iPz	51 21								9800	
		Pasaden	eP	51 02									
87	June 3	Husan	P	17 10 55.9									Neighbourhood of
		Taikyû	P	11 01.3							1 27.3	800	Amami-Oosima,
		Zinsen	eP	11 20.8							1 55	1070	Kagosima Prefecture.
		Keizyô	P	11 25.8							1 43.2	950	
		Heizyô	P	11 56.8							2 24.9	1375?	
		Medan	i	17 16 35									
		Batavia	P	16 57									
		Hamburg	ePz	21 32	9	12	10	13	13	13			
		Württemberg		21 50								10000	
		Pasadena		22 17									
88	June 6	Taikyû	eP	2 33 31.8							3 53.?	2350?	Philippine.
		Zinsen	P	33 44.0							4 26.6	2780	Manila gives
		Keizyô	P	33 45.5							4 23.8	2745	λ=121°35′E,
		Heizyô	P	33 55.5									φ=14°20′N.
													Felt strongly at Manila.
		Amboina	iP	2 30.3							2.8	410	
		Batavia	P	33 35							5 22	3760?	
		Medan	P	33 36							4 48	3220	
		Hamburg	ePz	41 27	25	5	10	24-30	24-30	21			
		Württemberg	eP	41 39								10600	
89	June 7	Zinsen	P	11 51 25.9							4 24.0	2745	Burma.
		Heizyô	P	51 27.7							4 09.8	2560	Württemberg gives
		Keizyô	P	51 30.6							4 12.6	2600	λ=100°E,
		Taikyû	P	51 39.0							4 37.5	2925	φ=26°N.
		Medan	P	11 51 24									
		Batavia	eP	52 54									
		Hamburg	ePz	57 10		8	11		11	11			
		Württemberg	eP	57 21							9 13	7800	
		Pasadena	eP	12 05 05									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
90	June 7	Zinsen	P	11 59 03.5							2 34.0	1470	
		Taikyû	eP	59 58.5									
		Keizyô	eP?	12 00 07.2		− 81			16.0		1 52.?	1042?	
91	June 8	Heizyô	P	18 13 36.3									(r)180km. ENE off Miyako, Iwate Prefecture, λ=144.°0E, φ=40.°2N. Felt in eastern part of Tôhoku, southern part of Hokkaidô, and a part of Kwantô districts.
		Taikyû	P	13 56.1							2 29.1	1421	
		Keizyô	P	14 04.5		+ 36			16.0				
		Zinsen	eP	14 06.0							2 38.6	1520	
		Urakawa		18 11 20.6	±470	±460		3.1	2.0		27.3	202	
		Miyako		11 22	−600	−540		1.0	1.0		26	193	
		Morioka		11 26.1	NE±430	NW±600	− 83	1.5	1.4	1.5	31.7	235	
		Sendai		11 43.3	−256	−237	−108	3.5	3.3	2.8	44.7	332	
		Tôkyô		12 12	+ 80	− 75		4.8	6.0		1 00.6	546	
		Wazima		12 23.2	+ 45	± 31	± 9				1 16.1	691	
		Hamamatu		12 30	± 20	± 20		4.0	4.0		1 39.0	910	
		Oosaka		12 53.3	+ 28	+ 25	− 6	4.7	5.3	2.8	2 09.5	1215	
		Kôti		13 23									
		Titi-zima		13 47							2 17	1290	
		Hukuoka		13 50.3							2 51.7	1657	
		Taihoku		16 02.7							4 30.3	2830	
		Pasadena	ePz	18 19 30									
		Saint Louis	eP	21 54							12 06	11625	
		Hamburg	iPz	22 44	12	15	7	21-30	21-30	18			
		Württemberg	eP	23 07							10 16	9200	
		Florissant	iPz	23 25							10 35	9490	
92	June12	Taikyû	eP	21 11 01.9									(r) Kisen-numa, Miyagi Prefecture, λ=141.°7E, φ=38.°8N. Felt in all Tôhoku, Southern part of Hokkaidô, and Small part of Kwantô districts.
		Heizyô	P	11 10.3									
		Keizyô	P	11 13.8									
		Zinsen	eP	11 17.4									
		Sendai		21 08 40.0	−840	−660	−161	3.7	3.9	1.2	12.2	91	
		Akita		08 50.5	−1010	±1180	−760	3.1	3.5	2.1	22.3	165	
		Tôkyô		09 20.0	±225	±119		3.8	4.3		57	423	
		Sapporo		09 24.8	− 60	+ 73			2.0		56.3	418	
		Wazima		09 26.4	± 48	± 34					1 27.0	800	
		Hamamatu		09 42.9	+ 33	+ 41		2.0	2.0		1 08.0	620	
		Oosaka		10 00.5	− 69	± 58	+ 14	3.9	4.3	3.1	1 36.7	887	
		Hamada		10 31.0							1 46.6	986	
		Kôti		10 41	± 20			5			2 05.0	1170	
		Hukuoka		11 03.9							2 11.9	1239	
		Titi-zima		11 17							1 55	1070	
		Pasadena	eZ	21 20 00									
		Württemberg	eP	20 42								9400	
93	June 13	Taikyû	P	20 35 39.4							2 31.1	1441	(r) 170km eastern off the mouth of the River Mabuti, Aomori Prefecture. λ=143.°7 φ=40.°7N. Felt in all part of Tôhoku and southern part of Hokkaidô.
		Heizyô	P	35 51.8									
		Keizyô	P	36 44.0							2 37.8	1510	
		Zinsen	eP	36 47.7							2 36.?	1490?	
		Urakawa		20 34 03.3		±562			2.1		18.8	140	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Morioka		20 34 14.0	NE660	ES700	−320	1.3	1.3	1.5	24.1	179	
		Sapporo		34 19.1	±311	−489	+198	2.8	2.0		37.2	277	
		Akita		34 21.4	−1950	−1900	−1046	2.0	2.4	1.9	37.0	275	
		Tôkyô		35 08	+275	+250	+143	3.3	2.2	3.5	1 25	780	
		Ootomari		35 09.5							1 40.5	925	
		Wazima		35 10.8	± 75	+103	± 18				1 16.2	692	
		Hamamatu		35 43.0	− 58	+ 73		2.6	2.6		1 09.1	631	
		Oosaka		35 47.7	± 83	− 70	− 25	3.8	4.0	2.6	1 49.9	1019	
		Hamada		36 14.9							1 53.8	1058	
		Kôti		36 13							2 17	1290	
		Hukuoka		36 38.0							2 33.4	1464	
		Taihoku		38 52.7							4 22	2720	
		Pasadena	eP	20 45 21							9 47	8530	
		Hamburg	ePz	45 32							9 50	8200	
		Württemberg	eP	45 57							10 08	9100	
		Florissant	ePz	46 22							10 53	9880	
		Saint Louis	eS	56 56									
94	June 13	Zinsen	e	22 51 47									Alaska. J. S. A. gives λ=149°W, φ=16°N.
		Sitka	iP	22 21 59							2 05	1170	
		Saskatoon	P	25.4							4 30	2800	
		Pasadena	iP	26 39							5 28	3675	
		Florissant	ePz	27 46							6 28	4735	
		Saint Louis	eP	27 50							6 07	4350	
		Ottawa	eP	28 08							6 37	4910	
		Buffalo	iP	28 12									
		Fordham	iP	28 40							7 04	5400	
		Georgetown	iP	28 42							7 06	5440	
		Hamburg	ePz	30 29									
		Württemberg	eP	31 04							9 01	7650	
95	June 18	Taikyû	P	21 40 19.6							2 08.5	1205	(r) 100km. eastern off Kinkasan, Miyagi Prefecture. λ=142.°8E, φ=38.°5N. Felt from Southern part of Hokkaidô to eastern part of Tyûbu districts.
		Husan	P	40 28							2 07	1190	
		Keizyô	P	40 30.2	+326	−470		13.0	15.0		2 21.0	1330	
		Zinsen	P	40 34.1	±330	±950		13	23		2 19.0	1310	
		Heizyô	P	40 53.0							2 26	1390	
		Sendai		21 37 56.1	-13100	−8620	+10200	3.5	3.4	4.7	13.9	103	
		Morioka		38 06.5	sw12700	sE8300	−8700	2.2	2.2	2.4	23.6	176	
		Akita		38 24.9	+25750	+16900		2.4	2.5		35.6	265	
		Tôkyô		38 30.0	−2500	−200	−2125	3.3	3.3	4.3	43.7	324	
		Wazima		38 40.5	+813	+570	± 82				1 05.6	596	
		Sapporo		38 49.5	±5650	−3000	+760	3.2	2.6		57.0	423	
		Hamamatu		38 59.9	−583	−527		2.8	2.8		1 04.6	586	
		Oosaka		39 15.8	±610	−1000	−256	4.0	4.0	2.3	1 26.3	793	
		Ootamari		39 38.0	− 58	+175		3.9	3.5		1 26.5	795	
		Kôti		39 39.6	±1000	±800		2.6	2.6		1 48	1000	
		Hamada		30 47.6	− 71	+ 47		12.0	11.6		1 46.3	983	
		Tıti-zima		40 09							2 00	1120	
		Hukuoka		40 12	−1200	+1300	±1800	17.3	19.5	17.8	2 17	1290	
		Dairen		40 22.0	+ 20			21.0			3 15.4	1914	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Naze		21 40 59.3	+ 6	+ 11	+ 4	15.2	16.5	18.2	2 54.3	1683	
		Taihoku		42 32.6	±850	±400	±230	20.5	16.0	13.6	4 00	2440	
		Palau		43 10.3							5 16.5	3493	
		Amboina	iP	21 46 07							6 17	4720	
		Medan	P_N	46 43								6020	
		Honolulu	iP	47 00							7 37	6010	
		Batavia	iPz	47 07							7 39	6110	
		Sitka	iP	47 08							11 32	10775	
		Pasadena	iP	49 24							9 34	8310	
		Ukiah	e	49 00							9 00	7600	
		Hamburg	iPz	49 42							9 41	8200	
		Württemberg	iP	50 04.5	127	93	205	17	17	16		9250	
		Saint Louis	iP	50 29							10 45	9705	
		Florissant	iPz	50 31							10 44	9680	
		Ottawa	eP	50 34							10 45	9820	
		Buffalo	iP	50 38							10 50	9820	
		Georgetown	iP	50 58									
96	June 24	Zinsen	eP	22 03 19	−480	±230	+280	16	14	14	7 15	5600	Sumatra.
		Heizyô	P	03 27.4							7 39.9	6070	Batavia gives
		Taikyû	eP	03 28.1	±220	±289		11	13		6 55.0	5235	λ=104.°2E,
		Keizyô	eP	03 38.1		−330			14		7 01	5340	φ=5°.0N.
		Husan	e	13 12									Destructive along SW coast of Sumatra. Great number of after shocks accompanied.
		Soengei Langka	iP	21 55 00									
		Batavia	iP	55 19									
		Malabar	P	55 39									
		Medan	P	57 16									
		Amboina	P	22 00 03							3 51.?	2330?	
		Württemberg	eP	08 20		100	120		21	21	11 50	10500	
		Hamburg	ePz	08 21	440	230	160	30	24-31	33			
		Sitka	iP′	13 07									
		Pasadena	iP′	13 59									
		Ottawa	eN	14.2									
		Buffalo	eP′	14 14									
		Saint Louis	eP′	14 19									
		Florissant	iP′z	14 19							11 51	11250	
		Georgetown	eP′	14 24									
		Charlottesville	iP′	14 33									
		San Juan	eP′	15 10									
97	July 3	Zinsen	eL?	15 26 32									
		Keizyô	eL?	26 47.3									
		Medan	eP	15 13 25							3 22	1910	
		Batavia	e	19 35									
		Württemberg	eL	38									
98	July 9	Zinsen	P	34 09									(r) SE off the island of Etorohu, the Kurile Islands. λ=149.°5E, φ=43.°0N. Felt slightly at Nemuro.
		Taikyû	P	34 19.9							3 44	2245	
		Keizyô	P	34 21.5		78			17.0		3 18	1940	
		Heizyô	P	34 23.4							3 50	2320	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	c m	
		Nemuro		1 30 57.7	±230	−120		3.5	4.5		39.0	289	
		Sapporo		31 42.8	-161	−215	− 66	3.8	3.8	2.9	1 36.3	883	
		Ootomari		31 58.1	− 83			2.0			1 32.0	850	
		Akita		32 06							2 32.6	1456	
		Sendai		32 15.9	± 80	± 60		18.2	15.1		1 40.5	1535	
		Hamamatu		32 48							3 00.0	1745	
		Tôkyô		32 54							1 59.?	1110?	
		Wazima		32 57.6	± 8	± 9		18.2	18.2		2 14.8	1268	
		Oosaka		33 48.7	− 9	− 26	+ 8	5.4	6.1	2.7	3 00.3	1750	
		Hamada		33 59.5	− 46	− 52	− 86	16.7	21.6	19.4	3 18.2	1943	
		Titi-zima		34 20.4							3 10.5	1855	
		Hukuoka		34 21.9	± 42	± 31		15.4	17.6		3 35.0	2135	
		Naze		35 14.0							4 13.4	2604	
		Taihoku		36 46									
		Honolulu	e	1 37 27							8 23	6880	
		Sitka	iP	38 34							7 16	5620	
		Batavia	e	39 15									
		Medan	e	40 25									
		Pasadena	ePz	41 02							8 58	7560	
		Hamburg	iPz	1 41 50	13	16		20	17		10 40	9600	
		Württemberg	iP	42 15.5							10 00	8790	
		Florissant	iPz	42 17							10 02	8830	
		Saint Louis	eP	42 12							10 00	8790	
		Ottawa	eP	42 20							10 03	8900	
		Georgetown	eP	42 40							10 42	9640	
99	July 9	Keizyô	P	9 32 18.6		- 44			16.0		3 23.8	2010	SE off the island of Etorohu, the Kurile Islands. J. S. A. gives λ=153.°2E, φ=45.°3N.
		Taikyû	eP	32 21.2							3 41.0	2210	
		Zinsen	P	32 26.4							3 44.7	2260	
		Sitka	eP	9 36 31							6 45	5055	
		Pasadena	eZ	38 55									
		Hamburg	ePz	39 46	11	12	18	18	23	18			
		Württemberg	eZ	40 11							10 13	9050	
		Florissant	iPz	40 14							9 58	8750	
		Saint Louis	eP	40 18							10 02	8830	
		Georgetown	iP	40 49							10 28	9350	
		Honolulu	S	43 46									
100	July 9	Taikyû	P	9 52 34.1							3 46.0	2270	Ditto.
		Keizyô	P	52 34.6									
		Zinsen	P	52 37.7							3 49.8	2320	
101	July 9	Zinsen	eP?	11 25 35							4 16.?	2640?	Ditto.
		Keizyô	eP?	25 37.0							4 00.6	2510	
102	July 9	Keizyô	P	12 34 57.4		−221			16.0		3 56.2	2390	(r) SE off the island of Etorohu, the Kurile Islands. λ=149.°0E, φ=42.°5N. Felt slightly at Kusiro.
		Taikyû	P	34 58.0							3 31	2090	
		Zinsen	P	34 59	-337	±174		20.6	16.3		3 47	2280	
		Heizyô	P	35 05.8							3 54	2360	
		Nemuro		12 31 32.1	−550	−190		5.5	4.2		41.7	309	
		Sapporo		32 19.7	−205	−346	−119	3.2	3.0	41	1 24.7	777	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Ootomari		12 32 34.6	+275			2.6			2 04.0	1160	
		Akita		32 50.5							4 02.8	2468	
		Sendai		32 51.1	-575	-461	±133	16.7	16.3	14.0	1 41.8	938	
		Tôkyô		33 29.1							3 02.4	1774	
		Wazima		33 36.6	± 26	+ 35	± 9	19.1	17.0	17.9	2 24.7	1371	
		Gihu		33 55.7	±250	-330	-260	16.0	16.0	16.5	2 37.0	1500	
		Oosaka		34 17.7	- 33	-202	- 7	9.8	9.8	2.5	3 23.7	2007	
		Kôti		34 32.5							3 22	1990	
		Hamada		34 35.1	+620	-286	-420	27.0	23.2	17.7	3 24.1	2011	
		Titi-zima		34 53.4	+ 70	+150		11	11		3 05.2	1802	
		Hukuoka		34 58.9	+200	±350	±320	21.0	17.0	17.2	3 37.6	2166	
		Naze		35 48.2	± 13	± 14	± 7		19.6	19.3	4 17.7	2661	
		Taihoku		37 09	±310	±360	±170	17.7	18.5	18.5	5 45	3965	
		Sitka	iP	12 39 07							6 48	5105	
		Honolulu	eP	39 24							7 00	5320	
		Amboina	P	39 48							7 10	5580	
		Medan	eP	40 54							8 19	6850	
		Batavia	P	41 12									
		Pasadena	iPz	41 37							8 59	7580	
		Tucson	eP	42 20							9 27	8140	
		Hamburg	iPz	42 27									
		Florissant	ePz	42 51							10 03	8850	
		Saint Louis	iPz	42 51							10 06	8910	
		Württemberg	iP	42 53							10 08	9000	
		Ottawa	eP	43 00							10 04	8870	
		Fordham	eP	43 18									
103	July 9	Zinsen	eP	16 11 19							3 51	2331	Eastern off the cape of Nosyappu, Hokkaidô district.
		Taikyû	eP?	11 23							3 46?	2270?	
		Keizyô	eP?	11 28.0							3 52?	2340?	
		Heizyô	e	19 48									
		Pasadena	eZ	16 18 02									
		Hamburg	ePz	18 53	2	2	6	18	18	18			
		Württemberg	eP	19 18							10 02	8830	
		Saint Louis	eP	19 18							10 02	8830	
104	July 9	Keizyô	eP	17 55 47							4 01	2450	Ditto.
		Zinsen	e	56 06									
		Taikyû	e	59 35									
105	July 9	Keizyô	eP?	22 19 13							4 19.?	2680?	Ditto.
		Zinsen	e	22 24									
		Taikyû	e	22 44									
106	July 10	Taikyû	P	0 24 43.0							2 30.0?	1430?	(r) 250km. eastern off Kamaisi, Iwate Prefecture. λ=144.°8E, φ=38.°9N. Felt from southern part of Hokkaidô to NE part of Kwantô districts.
		Keizyô	eP	24 52							2 36	1490	
		Zinsen	P	25 00							2 38	1510	
		Heizyô	P	25 01.7							2 41.?	1540?	
		Miyako		0 22 18	+ 702	-717		1.0	1.0		16	119	
		Morioka		22 20.9	NE>500	NW>500	±300			0.9	30.4	226	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Sendai		0 22 23.8	-444	+283	-148	2.7	2.5	2.6	31.3	232	
		Akita		22 33.3	-2500	±1000	-378	2.4	2.4	2.4	38.9	289	
		Sapporo		22 48.0	-141	-181		0.9	1.1		52.5	390	
		Tôkyô		22 50.9	-145	±130	± 78	4.6	5.0	4.6	53.2	395	
		Wazima		23 07.7	+141	+156	+ 54	2.7			1 06.5	605	
		Gihu		23 21.5	+ 35	- 30	- 18	4.0	1.4	1.4	1 16.0	690	
		Oosaka		23 39.9	+ 90	+108	+ 19	4.3	4.0	2.2	1 00.9	549	
		Kôti		24 06									
		Hamada		24 10.3							2 21.5	1335	
		Titi-zima		24 25.1							2 00.0	1120	
		Hukuoka		24 34.5							2 52.0	1660	
		Naze		25 22.6									
		Taihoku		26 50							4 58	3215	
		Pasadena	iP	0 33 12							9 32	8240	
		Hamburg	iPz	33 42		4			20				
		Württemberg	eP	34 04.5								9300	
		Florissant	iP	34 19									
107	July 10	Taikyû	P	10 41 05.0									Borneo.
		Zinsen	P	14 20.4									
		Keizyô	P	41 22.9							6 27.6	4729	
		Amboina	iP	10 34 29							1 04	580	
		Pasadena	ePz	47 32									
		Württemberg	e	52									
		Florissant	iPz	54 27							6 52	5180	
		Saint Louis	eP	54 31							9 50	8590	
		Ottawa	e	54 55									
108	July 11	Keizyô	eP	6 02 40									Off the coast of K-uzyûkuri, Tiba Prefecture.
		Zinsen	eL?	06 18									
109	July 11	Taikyû	P	6 52 40.2									ESE off Katuura, Tiba Prefecture.
		Keizyô	P	32 59									
		Zinsen	e	53 00									
110	July 12	Keizyô	P	16 18 32.9							02.1	15.5	Local. Felt slightly at Keizyô.
		Zinsen	P	18 37.1							5.9	43.8	
111	July 13	Taikyû	e	8 00 05.0									(m) 60km. WNW off the island of O-kuziri, Hokkaidô district. λ=138.°7E, φ=42.°4N.
		Keizyô	eP	00 08	± 12	± 15		11.0	12.0				
		Zinsen	e	00 14									
		Sapporo		7 58 08.1	+348	+381		2.5	2.9		21.7	161	Felt at SW part of Hokkaidô and North part of Tôhoku districts.
		Akita		58 19.1	-128	-102		3.4	3.4		26.2	195	
		Sendai		58 45.6	+ 42	+ 20	± 14	10.9	7.5	9.9	1 45.4	974	
		Wazima		59 12.9							34.5	256	
		Tôkyô		59 23.2									
		Gihu		59 33.4	+ 16			3.2			1 32.0	850	
		Siomisaki		8 00 02.4									
		Hamada		01 37.3							2 39.5	1525	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Hamburg	ez	8 09 16		2			14				
		Pasadena	iP	09 25									
		Württemberg	eP	09 40								9100	
112	July 14	Heizyô	P	16 05 14.6							1 19.5	725	Off Vladivostock. λ=132°E, φ=43°N
		Keizyô	iP	05 19.4							1 23.2	852	
		Zinsen	iP	05 21.2							1 25.1	780	
		Taikyû	P	05 30.7							1 32	850	
		Pasadena	iP	16 14 54							9 22	8040	
		Saint Louis	eP	15 54							9 04	7680	
113	July 18	Husan	eP?	7 33 07							1 33	690?	Ditto.
114	July 18	Taikyû	eP	11 26 45							1 18.2	712	Ditto.
		Keizyô	eP	27 10							1 25	780	
		Heizyô	eS?	27 34									
		Zinsen	eS	28 44.3									
		Pasadena	iPz	11 37 51									
		Württemberg	eL	40									
115	July 18	Zinsen	e	19 10 18									Philippine.
		Taikyû	eP	10 58.3							4 37.2?	2922?	Manila gives λ=143.°45′E, φ=8°15′N. (Caroline Is.)
		Keizyô	eP?	12 19							5 26?	3640?	
		Amboina	P	19 08 14							3 33	2170	
		Batavia	i	12 37									
		Pasadena	iPz	18 46									
		Württemberg	ePz	19.6								13000	
		Saint Louis	ePz	24 43							9 31	8220	
		Florissant	ePz	24 43							9 30	8200	
116	July 19	Taikyû	e	13 40 24									Alaska. J. S. A. gives λ=170°W, φ=50°N. (Aleutian.)
		Keizyô	eP	40 24							6 31	4795	
		Zinsen	e	40 27									
		Sitka	iP	13 37 29							4 14	2610	
		Pasadena	iPz	40 27							6 47	5085	
		Florissant	iPz	42 10							7 54	6330	
		Saint Louis	iPz	42 11							7 54	6330	
		Ottawa	eP	42 34							8 12	6700	
		Georgetown	iP	43 05							8 39	7190	
		Fordham	iP	43 12							8 29	7000	
		Hamburg	ez	44 06	6	4		19	19				
		Württemberg	eP	44 33							10 03	9000	
		San Juan	e	45 28							10 09	8970	
117	July 19	Keizyô	P	15 07 53.7							6 27	4720	Alaska. J. S. A. gives λ=170°W. φ=50°N. (Aleutian)
		Taikyû	eP	07 54.8							6 23	4645	
		Zinsen	P	07 56.1							6 27.7?	4735?	
		Sitka	iP	15 05 00							4 14	2610	
		Honolulu	e	15 07 46									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Pasadena	iP	15 07 57							6 29	4755	
		Florissant	iPz	09 40							7 54	6330	
		Saint Louis	iPz	09 40							7 53	6310	
		Ottawa	iP	10 04							8 12	6700	
		Fordham	iP	10 31							8 41	7230	
		Georgetown	iP	10 32							8 37	7150	
		Hamburg	iPz	11 37	6	5		18	18				
		Württemberg	eP	12 03.5							10 02	9000.	
		San Juan	eP	12 42							10 28	9350	
118	July 19	Keizyô	e	20 59 01									
		Zinsen	e	21 00 20									
		Taikyû	e	03 41									
119	July 20	Taikyû	P	23 17 08.4									(r) 280km. eastern off Kinkasan, Miyagi Prefecture. λ=144.°8E, φ=38.°5N. Felt from Southern part of Hokkaidô to Kwantô districts.
		Keizyo	P	17 18.4							3 25.6	2026	
		Zinsen	P	17 22.1									
		Heizyô	P	17 27.8									
		Morioka		23 14 48.0	NE>±500	NW>500	−220	1.2	1.2	1.1	33.7	250	
		Sendai		14 48.3	+480	+515	−241	1.7	1.6	1.7	34.4	255	
		Akita		15 02.0	+563	−434	+112	1.1	1.7	1.9	42.2	314	
		Sapporo		15 09.9	−133	+187	− 81	1.6	1.6	1.7	51.6	383	
		Tôkyô		15 14.9	+170	+210	± 85	3.8	1.6	3.5	53.5	397	
		Wazima		15 33.6	−102	−150	+ 59				1 06.3	603	
		Gihu		15 45.8	− 52	− 58	+ 13	1.6	1.6	2.2	1 17.2	702	
		Oosaka		16 01.7	+ 92	+140	+ 17	5.0	5.0	1.9	1 53.9	1059	
		Kôti		16 28									
		Hamada		16 35.5							2 27.9	1409	
		Titi-zima		16 44.8							2 00.2	1122	
		Hukuoka		16 59.9							2 55.3	1693	
		Pasadena	iP	23 25 35									
		Ottawa	e	26 43									
		Hamburg	ez	26 07	3			20					
		Württemberg	eP	26 29							10 21	9200	
120	July 22	Zinsen	eP	21 03 34							6 46	5070	Aleutian. J. S. A gives λ=166.°1W, φ=51.°9N. U. S. C. G. S. gives λ=169°W, φ=52°N.
		Taikyû	P	03 38.5							6 50.0	5145	
		Heizyô	eP	03 39.6							6 33.9	4845	
		Keizyô	e	22 57									
		Sitka	iP	20 59 48							3 01	1760	
		Honolulu	eP	21 01 42							5 18	3515	
		Pasadena	ePz	02 46							6 19	4575	
		Tucson	iP	03 40							6 48	5105	
		Florissant	iPz	04 38							7 32	5920	
		Saint Louis	iPE	04 39							7 34	5960	
		Ottawa	eP	05 03							7 56	6400	
		Fordham	iP	05 34							9 12	7840	
		Amboina	P	06 37									
		Hamburg	iPz	06 52	44	63	43	20	20	20			
		Medan	e	06 57									
		Württemberg	iP	07 19							9 58	8600	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		San Juan	iP	21 07 41							10 21	9210	
		Barcelona	eP	07 59									
		Batavia	e	08.2									
121	July 24	Heizyô	P	8 39 29.3							1 16.2	690	Southern off Vladivostock. λ=132.°5E, φ=42°N.
		Keizyô	iP	39 32.7							1 46.8	988	
		Zinsen	P	39 34.3							1 19.6	730	
		Taikyû	P	39 41.8							1 25.6	790	
122	July 24	Keizyô	e	19 08 13									J. S. A gives λ=174.°5W, φ=15.°2S. (SW to Samoa.)
123	July 28	Taikyû	eP	16 45 00.5							54.5?	405?	(m) 15km. WSW off the city of Wakayama.
		Keizyô	eP?	46 40.1									
		Zinsen	eP?	49 50							1 42?	940?	λ=135.°0E, φ=34.°2N.
		Heizyô	eP?	47 34.8							2 32.4?	1450?	Felt in Kinki, Tyûgoku, Sikoku and Tyûbu districts.
		Wakayama		16 43 30.5	±950	+950	+650	0.9	0.8	0.9	04.3	32	
		Sumoto		43 31.4	−513	−556	−128	1.9	2.6	2.3	04.9	36	
		Kôti		43 48.6	±200	±180	±100	2.9	2.9	2.0	17.8	132	
		Gihu		43 56.7	+235	−225	−110	1.4	1.9	1.5	29.4	218	
		Hamada		44 08.1	− 17	+ 12	+ 13	2.8	3.4	3.1	41.4	307	
		Wazima		44 22.8	+110	− 90	+ 14				55.4	411	
		Hukuoka		44 24.9	− 30	− 23		1.6	2.8		1 01.2	552	
		Tôkyô		44 44.4	± 80	± 65		3.3	2.8		51.2	380	
		Sendai		45 05.4	± 8	± 11		2.3	3.4		1 38.9	909	
124	Aug. 4	Keizyô	e	17 43 13.3									
		Zinsen	eL	47 10									
		Medan	eP	17 43 23							56	510	
		Württemberg	e	53									
125	Aug. 5	Zinsen	eP?	1 00 42									The Solomon Islands.
		Keizyô	eS?	10 08.0									
		Batavia	e	0 52 12									
		Pasadena	iP	0 57 16							10 56		
		Württemberg	ePP	1 05 46								15000	
126	Aug. 11	Heizyô	P	8 59 20.9							4 09.6	2560	North Burma. λ=96°E, φ=30°N. Manila gives λ=97°E, φ=27°N.
		Zinsen	eP	59 40.3	+ 90	− 57	− 78	13.0	13.1	12.5	4 50.2	3095	
		Keizyô	P	59 43.9	± 31	+ 40		10.0	12.0		4 43.6	3009	
		Taikyû	eP	59 53.7							5 05.6	3325	
		Medan	iP	8 58 59									
		Batavia	i	9 00 35									
		Hamburg	ePz	05 07							8 09	7760	
		Württemberg	iP	05 19.5							9 14	7880	
		Pasadena	iZ	13 15									
		Ottawa	eN	14.03									
		La Paz	Pz	14 08									
127	Aug. 14	Zinsen	e	22 21 07.4									
		Keizyô	eP	21 12.2							4 20.8	2702	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Württemberg	eZ?	22 26 23									
		Hamburg	e	46	3	8		7	7				
128	Aug.15	Taikyû	P	3 01 20.3							2 55.0	1690	(r) 280km, NNE off Titi-zima, the Bonin Islands. λ=144.°0E, φ=29.°2N. Felt slightly at Titi-zima, Tukuba, Hukusima and Aizu.
		Keizyô	P	01 44.1							2 59.?	1730?	
		Zinsen	iP	01 48.0							3 12.?	1875?	
		Heizyô	iP	02 04.9									
		Titi-zima		2 58 31.1	-140	- 87	- 76	0.4	0.4	0.2	26.1	194	
		Tôkyô		59 41.9							1 18	710	
		Gihu		3 00 00.5	+ 14	- 17		2.2	1.4		1 36.7	887	
		Oosaka		00 05.0	- 26	- 14	+ 11	3.6	3.6	2.3	1 50.5	1025	
		Sendai		00 08.7	- 63	-104	- 52	2.5	4.2	1.3	1 40.9	929	
		Kôti		00 18									
		Wazima		00 20.2	+ 83	± 40	± 15						
		Hamada		00 40.4							2 13.3	1253	
		Hukuoka		00 51.3							2 17.9	1299	
		Naze		00 57.1							3 02.3	1773	
		Sapporo		01 12.7									
		Akita		01 28.8	± 60	± 60		3.1	3.1		1 58	1100	
		Taihoku		02 35.8							3 25.5	2025	
		Pasadena	iP	3 10 04									
		Württemberg	ePPz	14.7								10500	
		La Paz	Pz	17 41									
		Ottawa	e	22									
129	Aug.18	Keizyô	e	8 22 22									
		Zinsen	e	22 34									
130	Aug.20	Zinsen	eP?	11 50 03.8									SE part of Luzon. Manila gives. λ=124°50′E, φ=13°37′N.
		Taikyû	P	50 08.3							4 14.0	2610	
		Medan	e	11 50 58									
		Batavia	e	52 04									
		Württemberg	eP	58							12	10700	
		La Paz	ePz	12 05 28		+ 7			24				
		Hamburg	e	09	8	10	13	23	23	16			
		Ottawa	e	12									
131	Aug.20	Taikyû	P	12 11 09.3							4 13.0	2600	Ditto.
132	Aug.22	Taikyû	e	13 21 51.4									
		Württemberg	eL	13 25									
133	Aug.25	Heizyô	P	7 54 57.4							3 38.1	2170	λ=102°E, φ=34°N. Between Prov. of Szechuen and Kansu, China. J. S. A. gives λ=103.°2E, φ=30.°9N. H=7h 50m36s
		Zinsen	eP	54 58	-262	+260	+420	6.8	7.4	8.0	3 49	2305	
		Keizyô	P	55 03.8		-344			9.0		3 45.2	2262	
		Taikyû	P	55 16.7	±187	±405		7.5	10.9		3 52.8	2350	
		Manila	iP	7 55 41							4 23	2730	
		Medan	P_N	56 24							4 53.?	3300	
		Bombay	iP	56 45							5 04	3295	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Batavia	iPz	7 57 50							5 50	4350	
		Amboina	PE	57 37							6 23	4830	
		Malabar	P	58 11							5 46	4480	
		Ksara	iP	8 00 11							6 48	5105	
		Belgrade	eP	01 02									
		Copenhagen	P	01 08							8 48	7370	
		Hamburg	iPz	8 01 22	180	240	140	11	11	11	9 04	7680	
		Trieste	iP	01 27							9 05	7700	
		Württemberg	iP	01 37.5	785	455	470	25	20	20	8 42	7800	
		Padua	iP	01 40									
		Florence Xim.	iP	01 43							9 17	7940	
		De Bilt	P	01 44							9 19	7980	
		Zurich	eP	01 44							9 22	8040	
		Strasbourg	iP	01 45							10 22	9230	
		Uccle	iP	01 49							9 27	8140	
		Neuchatel	eP	01 50							9 26	8120	
		Tananarive	eP	01 56							9 40	8390	
		Parc St. Maur	iP	02 00							9 39	8375	
		Stonyhurst	iP	02 04							9 36	8320	
		Tunis	P	02 22									
		Barcelona	P	02 24							10 03	8850	
		Alger-Bouzareah	iP	02 38							10 03	8850	
		Toledo	iP	02 51									
		Cartuja-Granada	P	03 01									
		Coimbra	P	03 04							10 26	9310	
		San Fernando	iP	03 09							10 46	9730	
		Saskatoon	P	03 41							11 05	10150	
		Ottawa	eP	04 30								11500	
		Pasadena	iP	04 30									
		Florissant	ePN	04 56							12 12	11775	
		Saint Louis	ePN	04 59							12 34	12340	
		Georgetown	iP	04 59									
		Tucson	eP	05 05									
		Berkeley	ePR1	07 54									
		La Paz	iP'E	10 35.5									
134	Aug.27	Taikyû	P	23 42 19.7							03.7	275	Local.
135	Aug.28	Zinsen	P	22 39 28.3	± 25	± 54		18.5	18.5				The South Atlantic Ocean. J. S. A. gives λ=27°W, φ=58°S. H=22h 19m46s
		Keizyô	P	39 33.4							5 53	4105	
		Taikyû	P	39 36.1							3 33?	2110?	
		Heizyô	P	39 38.2									
		La Paz	Pz	22 28 58							7 42	6110	
		Tananarive	iP	30 19							8 55	7500	
		Honolulu	e	30 24									
		Dakar	iP	31 12							9 32	8240	
		San Juan	eP	32 10							10 19	9170	
		Coimbra	P	32 25							11 36	10875	
		Toledo	eP	33 27									
		Tortosa	eP	33 37									
		Saint Louis	e	33 54									
		Georgetown	iP	33 59									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Florence Xim.	eP	22 34 00									
		Fordham	eP	34 02									
		Ottawa	eP	34.3									
		Amboina	e	34 15									
		Neuchatel	eP	34 18									
		Strasbourg	eP	34 18									
		Florissant	iPz	34 18							11 53	11300	
		Württemberg	eP	34 19	72	57	95	20	20	20		12800	
		Kew	eP	34 23							12 45	12660	
		De Bilt	eP	34 33									
		Batavia	e	34 37									
		Hamburg	ePz	34 42	210	290	120	53	53	17			
		Madison	eP	34 46									
		Pasadena	iP'z	38 31									
		Ann Arbor	ePR1	39 00									
		Berkeley	ePR1	38 53									
		Bombay	iPR1	38 54									
		Victoria	e	39 00									
		Tucson	P'	38 39									
		Sitka	iP'	39 17									
136	Aug.29	Taikyû	P?	12 33 59									(m) 55km. SE off the mouth of the River Abukuma, Miyagi Prefecture. λ=141.°4E, φ=37.°7N. Felt in SE part of Tôhoku and a part of Kwantô districts.
		Sendai		12 31 40.9	±570	−352	−386	1.8	1.8	1.3	10.9	81	
		Tôkyô		32 03.5	±145	−222		0.8	0.8		32	238	
		Akita		32 04.6	−233	−148	−156	2.1	2.1	2.0	32.2	340	
		Wazima		32 27.9	− 71	± 6					51.4	381	
		Gihu		32 35.1	− 59	+ 30	+ 17	1.3	1.5	1.8	57.3	425	
		Sapporo		32 53.6							1 16.2	692	
		Oosaka		33 07.0	+117	+196	− 24	3.2	0.8	2.4	1 11.1	651	
		Kôti		33 30									
		Hukuoka		33 55.0							2 04.6		
		Hamada		35 00.5							43.7	324	
137	Sept. 2	Husan	P	16 42 56.5							1 52.0	1040	(r) 330km. southern off the island of Hatizyô. λ=139.°4E, φ=30.°3N. Depth about 300km. Felt abnormally at SE part of Kwantô and Tôhoku districts.
		Taikyû	P	43 33.1	+ 57	+ 42		5.0	5.4		2 01.0	1130	
		Zinsen	P	44 04							2 13	1250	
		Keizyô	iP	44 04.4							2 09.7	1217	
		Heizyô	P	44 21.8							2 25.2	1375	
		Hatizyô-zima		16 42 19.9	±1250	±1250	−255				49.7	369	
		Titi-zima		42 27.1	−1200	−950	+630	0.7	0.7	0.8	57.1	424	
		Siomisaki		42 32 8	−220	+290	−114	3.7	3.8	3.7	58.2	432	
		Tôkyô		42 43.3		−651	−460		2.0	3.8	1 06.7	607	
		Kôbe		42 46.3	+490	−400	−187	6.5	4.8	5.2	1 08.5	625	
		Gihu		42 46.7	−350	−380		3.3	3.6		1 06.7	607	
		Kôti		42 48.4	± 60	± 50	+ 30	6.0	6.0	2.8	1 13.9	679	
		Wazima		43 05.2	+ 91	±101	± 11	3.6	4.3	3.0	1 20.9	739	
		Hamada		43 09.2							1 27.5	805	
		Sendai		43 13.6	+384	+482	−174	2.5	2.4	2.4	1 32.2	852	
		Hukuoka		43 15.1	±210	−124		4.8	3.8		1 34.3	863	
		Akita		43 29.8	+489	−244		3.2	3.1		1 49.5	1015	
		Sapporo		44 08.3	− 67	+133		4.4	6.8		2 17.2	1292	
		Ootomari		44 33.6		± 65			3.2		3 02.0	1170	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Taihoku		16 44 42.7							2 46	1600	
		Palau		45 48.5							3 37.9	2169	
		Amboina	iP	16 48 40							5 07	3520	
		Medan	iP	49 06							6 11	4610	
		Batavia	iP	49 10							6 22	4810	
		Honolulu	e	50 20									
		Ottawa	e	52.2									
		Sitka	iP	51 02							7 58	64 0	
		Pasadena	iP	52 57							9 40	8390	
		Hamburg	ePz	53 10	8	11		14	14				
		Württemberg	eP	53 27							10 12	10000	
		Florissant	iPz	53 35							10 24	9270	
		Saint Louis	iP	53 56							10 03	8850	
		Georgetown	iP	58 49									
		La Paz	Pz	17 00 21									
		San Juan	e	01 27									
138	Sept. 6	Taikyû	eP	22 19 17.4							8 57.0	7540	The Fiji Islands. J. S. A. gives λ=178.°0W, φ=24.°0S. H=22h 08m29s Depth 600km.
		Keizyô	eP	19 28.8							9 07.0	7740	
		Zinsen	P	19 30.2							9 07	7740	
		Heizyô	P	19 38.5									
		Apia	iP	22 10 58							11 30	10725	
		Honolulu	eP	16 19									
		Amboina	iP	17 55							6 59	5390	
		Manila	iP	18 38							8 22	6860	
		Malabar	iP	18 58							8 29	7060	
		Batavia	iPz	19 00							8 37	7220	
		Ukiah	eP	19 36							8 16	6740	
		Berkeley	eP	19 41							7 19	5675	
		Pasadena	iP	19 44							9 26	8120	
		Medan	iP	20 04							10 52?	10000	
		Tucson	iP	20 07							9 27	8140	
		Florissant	iPz	21 28							10 55	9930	
		Saint Louis	iP	21 28							10 55	9930	
		La Paz	ePN	21 35							10 57	9970	
		Cincinnati	eP	21 46									
		Madison	pP	23 48									
		Fordham	e	24 30									
		Ottawa	eE	24.6									
		Georgetown	iPR1	26 59									
		Hamburg	Pz	27 06									
		Württemberg	iPz	27 13								17200	
		San Juan	iP′	27 35									
139	Sept. 9	Heizyô	P	5 04 18.3							1 26.4	790	Neighbourhood of Vladivostock.
		Keizyô	iP	04 27.2	+ 47	± 41		5.3	2.9		1 32.4	854	
		Zinsen	P	04 28.8							1 34.2	860	
		Taikyû	P	04 39.9							1 44	965	
		Württemberg	eP	5 13 07							8 48	7400	
		Pasadena	iPz	13 43							6 18	7960	
		La Paz	Pz	21 16									

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
140	Sept.21	Taikyû	eP	3 16 12.5							1 23.0	760	(m) The strong Earthquake of Noto, Isikawa Prefecture. λ=136°58′E, φ=37°04′N. Damage at epicentral region.
		Zinsen	eP	16 28.							1 50	1020	
		Keizyô	eP	16 28.6		– 70			10.0		1 31.3	843	
		Heizyô	P	16 45.5							1 58.8	1108	
		Wazima		3 14 32.2	+28000	–20250	–3250	1.2	1.2	1.2	4.8	36	
		Nagano		14 44.4	–2780	+2620	–992	9.2	4.1	2.6	15.2	113	
		Gihu		14 53.3	+340	+420	+280	1.9	2.0	2.0	21.5	160	
		Tôkyô		15 12.4	–500	+731	+500	4.8	3.1	3.7	36.0	267	
		Kôbe		15 12.1	+146	–160	–125	6.5	4.0	4.6	38.4	285	
		Sendai		15 18.9	+137	+160	– 60	4.4	2.5	4.4	47.0	349	
		Akita		15 23.0	+140	+128	– 89	3.1	3.5	2.7	52.1	387	
		Kôti		15 36.7	± 30	± 45	± 40	3.0	3.0	3.5			
		Hukuoka		16 08.5	–130	± 75		11.5	13.0		1 15.5	685	
		Sapporo		16 13.5							1 24.0	770	
		Naze		17 05.8							2 35.5	1485	
		Taihoku		22 11									
		Amboina	P	3 22 07									
		Pasadena	iP	26 38									
		Württemberg	eP	26 49								9400	
		La Paz	Pz	34 22									
141	Sept.21	Taikyû	P	9 50 51.9									(m) 100km. SE off Miyako, Iwate Prefecture. λ=143.°0E, φ=39.°3N. Felt in eastern half part of Tôhoku district.
		Keizyô	eP	51 03.2	±230			14.0					
		Heizyô	P	51 03.9							1 54.4	1064	
		Zinsen	eP	51 07									
		Sendai		9 48 31.8	+381	+272	–124	2.0	2.0	1.5	21.9	163	
		Morioka		48 32.7	NE250	NW318	–207	1.2	1.0	3.4	25.0	186	
		Akita		48 43.6	+477	–402	+467	2.1	2.9	2.8	43.1	320	
		Ootomari		48 55.6							2 33	1460	
		Tôkyô		49 01.8	–188	–188	–166	3.1	3.4	2.8	1 06.5	605	
		Sapporo		49 13.1	–122	+193	– 65	3.6	2.9	3.4	53.2	395	
		Wazima		49 17.0	+ 75	+ 36	± 15	3.0	2.7	2.7	1 07.7	617	
		Gihu		49 30.9	± 21	– 33	+ 12	1.6	1.8	2.1	1 03.7	577	
		Kôbe		49 53.6	+ 19	+ 14	+ 14	17.5	16.0		1 25.0	780	
		Hamada		50 20.8							1 22.3	753	
		Kôti		50 24									
		Hukuoka		50 46.9	± 48	– 50		13.5	18.3		2 22.5	1345	
		Pasadena	eP	9 59 46									
		Hamburg	ez	10 00 09	5	14		20	17				
		Württemberg	ePz	00 29								9800	
		Amboina	P	02 40									
		La Paz	PE	07 54		+ 9			18				
		Ottawa	eE?	11.8									
142	Sept.21	Zinsen	eP?	13 45 03.									110km. ESE off Miyako. λ=143.°3E, φ=39.°4N. The Aleutian Islands. J. S. A. gives λ=174.°4W, φ=51.°9N. H=15h 19m50s Depth 30to50km.
		Keizyô	eP	45 12.5							4 12.5	2595	
143	Sept.24	Keizyô	eP	15 27 22.6							6 11.2	4424	
		Taikyû	eP	27 24.3							5 44.0	3945	
		Zinsen	eP	27 25							6 15	4500	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Sitka	iP	15 25 00							4 17	2650	
		Honolulu	eP	26 18							5 26	3640	
		Pasadena	eP	27 52							6 36	4885	
		Madison	iP	29 16							7 45	6160	
		Florissant	iPz	29 34							8 00	6440	
		Saint Louis	iP	29 35							7 59	6420	
		Ottawa	eP	29 52							8 18	6780	
		Cincinnati	iP	29 54									
		Buffalo	iP	30 00							8 23	6880	
		Fordham	iP	30 22									
		Geogetown	iP	30 22							8 43	7270	
		Hamburg	iPz	31 17	20	14	25	27	27	27	9 38	8200	
		Württemberg	iPz	31 44.5							9 52	8500	
		Medan	eP	32 06							10 23	9380	
		Batavia	iP	32 17							10 32	9580	
		La Paz	eP'?	39 43		+ 49			24		10 54	9905	
144	Sept.25	Heizyô	P	18 57 38.8							5 12	3420	Württemberg gives λ=85°E, φ=33°N. (Tibet.)
		Zinsen	eP	57 40.5		−112			11.1		6 28.5	4745?	
		Keizyô	eP	57 42		±180			13.2		5 33.7	3769	
		Taikyû	eP	19 02 39.6							6 38.6	4945?	
		Medan	P	18 59 09									
		Batavia	eP	19 00 15							7 04	5480	
		Hamburg	iPz	00 40	180	210	84	12	11	11		5900	
		Württemberg	iPz	00 54.5	40	73	90	15	15	15	7 59	6500	
		Amboina	eP	01 16							6 29	5930	
		Ottawa	e	08 48									
		La Paz	P'z	10 07								16890	
145	Sept.30	Keizyô	eP	14 28 48.8							6 12.0	4440	New Guinea. Württemberg gives λ=139°E, φ=3.°5S. H=14h 20m50s
		Amboina	eP	14 23.5							2 53?	1700?	
		Batavia	ePz	27 29									
		Medan	eP	28 42							6 06	4540	
		La Paz	Pz	40 56									
		Württemberg	ePP	41 02								13200	
		Florissant	ePz	41 44							9 50	8590	
		Ottawa	eE	43.5									
146	Oct. 2	Zinsen	eP?	15 50 18									The Pacific Ocean. J. S. A. gives λ=80.°0W, φ=2.°5S. La Paz gives λ=80.°5W, φ=2.°3S.
		Keizyô	eP?	50 20									
		Taikyû	eL	52 23.6									
		La Paz	iPz	15 33 51		+113			15		3 40	2200	
		San Juan	iP	34 48									
		Woodstock	iP	37 10							6 45	5055	
		Georgetown	iP	37 07							6 11	4420	
		Saint Louis	ePN	37 12							6 13	4460	
		Florissant	iPz	37 13							6 13	4460	
		Cincinnati	iP	37 13							4 56	3195	
		Fordham	iP	37 28							6 26	4705	
		Tucson	eP	37 36							6 36	4885	
		Buffalo	iP	37 38							6 44	5035	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Madison	iP	15 37 42									
		Ottawa	iP$_N$	37 58							6 52	5180	
		Pasadena	iP	38 22							7 13	5610	
		Berkeley	iP	38 58							6 45	5055	
		Ukiah	eP	39 08							6 44	5035	
		Saskatoon	eP	39 11							7 58	6400	
		Victoria	iP	40 00									
		Honolulu	iP	41 28							9 51	8610	
		Württemberg	iPz	42 33.5							11 00	10500	
		Hamburg	iPz	42 35									
		Nanking	P	49 06									
		Amboina	e	49 12									
		Batavia	iE	49 37									
		Medan	iP	50 23									
147	Oct. 3	Taikyû	P	18 40 56.0							1 58.0	1100	(m) Central part of Niigata Prefecture. λ=138.°80E, φ=37.°20N.
		Keizyô	iP	41 13.1		± 43			13.0				
		Zinsen	eP	41 16.6		± 33			13.6				
		Heizyô	P	41 25.0							1 56.4	1084	Depth 35km. Felt in Hokuroku, Tyûbu, Kwantô and Tôhoku districts.
		Takata		18 39 04.1							8.2	61	
		Niigata		39 05.0	+8720	+4720	−900	5.0	5.0	2.0	10.5	80	Small damage at epicentral region.
		Wazima		39 18.2	+1300	−1400	−380			1.8	20.1	146	
		Tôkyô		39 22.5	+2000	±2000	−2500				22.8	169	
		Sendai		39 23.8	−668	−513	+268	1.9	2.4	3.4	25.7	191	
		Gihu		39 33.6	+160	−200		3.0	1.9		41.6	309	
		Akita		39 35.1	+428	±257	−170	3.7	2.8	2.3	30.8	229	
		Kôbe		39 53.9	− 85	+120	− 65	5.0	5.0	2.6	55.9	416	
		Sapporo		40 27.8	± 22	+ 40		3.2	3.4		1 11.5	655	
		Kôti		40 31	± 20	± 15	± 15	3	3	3.5	1 03	570	
		Hukuoka		40 45.2	± 45	± 25		9.2	13.2		1 52.9	1049	
		Taihoku		47 12									
		Nanking	P	18 42 55							3 29	2050	
		Pasadena	iP	50 55									
		Württemberg	ePz	51 17									
		La Paz	P	58 40									
148	Oct. 5	Taikyû	eP	13 53 57.3									Württemberg gives λ=56°E, φ=32.°5N. (Persia)
		Keizyô	eP	56 21.5		+ 18			14.0				
		Württemberg	eP	13 37 05							6	4300	
		Hamburg	eP	38 47	50	35		11	11				
		Nanking	e	38 48									
		Medan	e	39.2									
		La Paz	ePz?	47 51									
		Batavia	e	49									
		Ottawa	e	53									
149	Oct. 9	Taikyû	eP	12 09 43.3									Upper valley of the River Dôsi, Kanagawa Prefecture. λ=139.°0E, φ=35.°5N.
150	Oct. 14	Heizyô	P	7 50 28.7							26.4	196	Local.
151	Oct. 21	Taikyû	P	2 47 03.3							2 07.4	1190	SE off the cape of Nozima, Tiba Prefecture.

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	hm	
		Keikyô	eP	2 47 21.2	± 19	– 45		16.0	14.0				
		Zinsen	eP	47 23.4									
		Nanking	ePE	2 48 49									
		Württemberg	eL	3 30									
152	Oct. 26	Zinsen	eP?	0 00 45									North Chile.
		Keizyô	eP?	02 14									La Paz gives
													λ=69°W,
	Oct. 25	Sucre	iPN	23 29 27							45	410	φ=22.°3S.
		La Paz	iPN	30 01	–265			3			22	775	J. S. A. gives
		San Juan	iP	35 43							5 53	4105	λ=68.°W; φ=22°S.
		Georgetown	iP	38 21							8 11	6650	U. S. C. G. S. gives
		Fordham	iP	38 31							8 22	6860	λ=67°W, φ=22°S.
		Florissant	iPz	38 38							8 27	6960	
		Saint Louis	iP	38 38							3 26	6940	
		Buffalo	iP	38 46							8 44	7290	
		Ottawa	ePN	39 00							8 48	7370	
		Tucson	iP	39 05							8 54	7480	
		Pasadena	iP	39 38							9 25	8100	
		Hamburg	ez	41									
		Württemberg	eP	41 31							11 09	11000	
		Sitka	iPR	45 33									
		Amboina	i	47 19									
		Malabar	P	47 27									
		Batavia	iPz	47 36									
		Medan	P	47 50									
153	Nov. 2	Zinsen	eP	12 34 44.3							6 25.9	4703	Aleutian.
		Keizyô	eP	34 48.8							6 13.6	4472	J. S. A. gives
													λ=168°W, φ=45°N.
		Sitka	iP	12 32 12							4 17	2650	H=12h 27m08s
		Victoria	eP	33 30									
		Honolulu	eP	34 35							4 27	2780	
		Pasadena	iP	35 07							6 34	4920	
		Chiufeng	iP	35 30	+ 23	– 24	– 38	21	21	21	6 47	5047	
		Nanking	iPE	35 50							7 27	5765	
		Madison	iP	36 34									
		Saint Louis	eP	36 51							8 00	6440	
		Florissant	iPz	36 52							7 58		
		Buffalo	iP	37 14									
		Fordham	iP	37 42							8 43	7270	
		Amboina	i	38 15									
		Hamburg	ez	38 37	22	8	11	24	24	24			
		Batavia	e	39									
		Württemberg	eP	39 04							10 08	8750	
		Ottawa	e	45.5									
154	Nov. 5	Keizyô	eP?	20 41 27.2									
		Zinsen	eS	41 48.5									Mongolia?
		Taikyû	eP	42 15.6									
		Nanking	iP	20 31 37							3 55	2370	
		Chiufeng	P	31 57		+ 8	– 6		8	13	3 52	2338	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Medan	eP	20 32 15							7 30	7015	
		Batavia	e	43.5									
		Württemberg	eL	21 05.5									
155	Nov. 6	Taikyû	P	7 26 06.5							27.4	203	Middle coast of Zenrahokudô, Tyôsen.
		Zinsen	eP?	27 16.7							31.7?	235?	
		Keizyô	eP	27 22.2									
		Nanking	e?	7 28 15									
156	Nov.20	Heizyô	iP	14 18 21.8		± 7					1.5	11	Felt slightly at Heizyô.
157	Nov.20	Heizyô	iP	23 32 30.5	– 30	± 20		13.5	17.5		9 15	7900	Baffin Bay.
		Zinsen	iP	32 39.7	±127	–350	±217	14.1	15.8	15.9	9 05.2	7704	J. S A. gives
		Keizyô	P	32 42.2		+ 25			16.2		8 36.0	7130	λ=70°W, φ=72°N.
		Taikyû	P	32 49.5							9 17.0	7940	H=23h 21m40s
		Saskatoon	iP	23 27 02							4 32	2910	
		Ottawa	iP	27 23							4 41	3030	
		Halifax	eP	27 25							4 50	3130	
		Sitka	iP	27 42							4 59	3230	
		Buffalo	iP	27 48							5 00	3240	
		Weston	eP	27 50							5 00	3240	
		Toronto	i	27 50							4 38	2930	
		Madison	iP	27 56							4 58	3215	
		Chicago	iP	27 57							5 12	3420	
		Ann Arbor	iP	28.0							5 12	3420	
		Fordham	iP	28 04							5 15	3470	
		Bozeman	iP	28 14							5 20	3545	
		Woodstock	iP	28 19							5 23	3585	
		Georgetown	iP	28 21							5 30	3705	
		Cincinnati	iP	28 23									
		Charlottesville	iP	28 30							5 30	3705	
		Saint Louis	iP	28 33							5 36	3810	
		Florissant	iPz	28 33							5 37	3825	
		Hamburg	iPz	28 46		170	390		13	13	5 23	4000	
		Little Rock	iP	29 07							5 04	3295	
		Württemberg	iP	29 19.0	450	430	300	17.5	17.5	17.5	6 09	4600	
		Tucson	iP	29 27							6 18	4560	
		Denton	iP	29 28									
		Ukiah	iP	29 31							6 26	4705	
		Pasadena	iP	29 57							6 47	5085	
		San Juan	iP	31 02							7 44	6140	
		Chiufeng	iPE	32 28	+ 16	–114	+130	11	19	16	8 50	7405	
		Honolulu	iP	32 42							9 08	7760	
		La Paz	iPN	34 30	–193			46			10 56	10000	
		Sucre	iPz	34 40							10 44	9680	
		Medan	eP	35 50									
		Nanking	PP	35 57			167			15			
		Batavia	eP	36 09									
		Amboina	eP	36 11									
158	Nov.22	Zinsen	eP?	12 24 54							1 02.?	560?	NW part of Amami-Oosima, Kagosima Prefecture.
		Taikyû	eP	25 07.4									

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Keizyô	eP	12 25 18.3							1 10.0	640	
		Heizyô	eP	26 49.8									
		Nanking	ePE	12 23 13							2 18	1264	
		Chiufeng	e	27 40									
159	Nov.22	Taikyû	P	12 50 50.3							2 30.0	1430	J. S. A. gives λ=150°E, φ=3°S The Bismark Islands.
		Zinsen	eP	51 05.6							6 57.0	5275	
		Keizyô	eP	51 07.1							6 58.4	530	
		Amboina	iPN	12 47 17							4 01	2530	
		Batavia	iP	50 07									
		Malabar	P	50 31									
		Nanking	iP	51 07							7 04	5355	
		Medan	eP	51 31							8 03?	6500?	
		Chiufeng	iP	52 01	19	– 15	38	18	20	18	7 45	6079	
		Honolulu	e	52 11							7 43	6120	
		Sitka	eP	54 56							10 28	9350	
		Victoria	e	55 30									
		Pasadena	iP	55 36								11300	
		Hamburg	ePz	13 01.1	18	17	18	25	25	24			
		Württemberg	iP'z	01 23.5	20	10	27	20	20	20	8 50?	14100	
		Cincinnati	iP'	01 38									
		Sucre	P'	01 39									
		La Paz	eP'N	01 44									
		Saint Louis	PRE	01 58									
		Florissant	iPRZ	01 59									
		Little Rock	ePRI	02 01									
		Ottawa	e	03.0									
160	Nov.22	Taikyû	eP	19 01 33.5							1 50.0	1020	Vicinity of Amami-Oosima, Kagosima Prefecture.
		Zinsen	eP?	03 03									
		Keizyô	eP?	03 11.2									
		Nanking	e	19 01 30							2 58	1685	
		Chiufeng	P	03 01	– 1	+ 2	– 3	10	10	10	2 57	1677	
161	Nov.22	Taikyû	eP	22 33 44.0							2 08.0	1200	Ditto.
		Keizyô	eP	34 54.2							1 44.6	966	
		Zinsen	eP?	35 05							1 06.3?	603?	
		Heizyô	eP	36 38.0									
		Nanking	P	22 34 00			20			7	2 38	1475	
		Chiufeng	P	35 27							3 01	1723	
162	Nov.28	Zinsen	eP	11 19 12.6									Sumatra.
		Keizyô	eP	39 14.1							2 51.0	1650	
		Batavia	e	11 06 05							1 21	750	
		Medan	eP	07 10							1 41	940	
		Chiufeng	eP	18 09	+ 26	– 13	– 28	13	13	13	7 00	5264	
		Nanking	ePN	18 41							7 25	5720	
		Württemberg	eP	16 44							5 54	4300	
		Hamburg	ePz	16 49	35	85	45	13	19	19	6 00	4400	

No.	Date	Station		G. M. T.	Max. Amplitude N	Max. Amplitude E	Max. Amplitude Z	Period N	Period E	Period Z	Duration of P~S	Δ	Remarks
				h m s	μ	μ	μ	s	s	s	m s	km	
		Pasadena	eZ	11 26									
		Sucre	eP?	29 24									
		Ottawa	eE	33									
		La Paz	LN	12 10 00	+ 22			20					
163	Dec. 2	Zinsen	eP	8 47 12.0							3 16.0	1920	ESE off Daitô, Formosa.
		Nanking	ePN	8 45 58									
		Chiufeng	eP	47 43							3 55	2366	
		Medan	e	49.1									
164	Dec. 4	Heizyô	iP	19 37 20.1							2 48.0	1620	(r) Eastern off the Sôya Strait (140km. northern off Abasiri, Hokkaidô.) λ=144.°0E, φ=45.°2N. Deep. Abnormally felt in southern part of Hokkaidô and NE part of Tôhoku districts.
		Keizyô	iP	37 21.7							2 43.1	1561	
		Taikyû	iP	37 23.5							2 48.1	1621	
		Zinsen	iP	37 23.8	– 71	+ 81	+ 32	5.4	5.9	3.2	2 46.9	1609	
		Ootomari		19 34 34.4	+520	+713		1.9	2.2		35.0	260	
		Nemuro		34 54.4	+500	–690					47.6	354	
		Sapporo		35 07.5	+3000	–3050	+621	2.7	2.1	3.4	55.6	413	
		Akita		35 45.2		±172	+113		3.7	3.2	1 13.8	678	
		Sendai		35 57.2	+151	+198	+ 70	4.5	4.5	2.6	1 33.1	860	
		Wazima		36 22.8	–360	–418		3.1	3.3		1 54.1	1061	
		Tôkyô		36 30.4	–310	+300	±280	4.6	3.4	4.0	2 10.3	1223	
		Gihu		36 44.3	–250	+218	– 91	3.4	4.5	2.5	2 14.8	1268	
		Kôbe		36 57.9	+196	+ 90	–103	5.7	5.5	5.8	2 25.8	1387	
		Hamada		37 13.5	-610	+580	-690	4.8	6.0	4.6	1 29.7	827	
		Kôti		37 16.0	± 40	± 50	± 20	4.0	4.5	4.0	2 39	1520	
		Hukuoka		37 31.8	–110	± 63		3.8	2.8		2 55.2	1692	
		Titi-zima		37 59.3	– 47	– 17		4.5	4.5		3 18.4	1946	
		Naze		38 20.0							3 46.3	2273	
		Taihoku		39 23							4 50	2320	
		Chiufeng	iP	19 38 18							3 36	2150	
		Nanking	iP	38 46							4 06	2510	
		Amboina	iP	42 17							6 53	5290	
		Medan	iP	43 20							6 36	5020	
		Batavia	iPz	43 42							7 58	6430	
		Saskatoon	iP	44 05							8 10	6670	
		Honolulu	i	44 32									
		Pasadena	iP	44 38							8 46	7900	
		Württemberg	iPz	45 17							9 16	8500	
		Madison	iP	45 24							9 25	8100	
		Ottawa	iPN	45 38							9 42	8440	
		Saint Louis	iPN	45 46							9 43	8450	
		Fordham	iP	46 02							9 53	8650	
		Georgetown	iP	46 02							9 53	8650	
		La Paz	ePz	52 48									
		Sucre	P	52 49									
		Hamburg	i	53 48									
165	Dec.12	Taikyû	P	14 19 38.7							6 43.5	5025	Württemberg gives λ=153°E, φ=4°S. (New Britain.)
		Keizyô	eP	19 56.6							6 53.8	5211	
		Zinsen	eP	19 56.8							6 54.4	5223	

No.	Date	Station		G. M. T.	Max. Amplitude			Period			Duration of P~S	Δ	Remarks
					N	E	Z	N	E	Z			
				h m s	μ	μ	μ	s	s	s	m s	km	
		Ambolna	iP	14 17 23									
		Batavia	iZ	19 31									
		Nanking		20 00							7 01	5300	
		Medan	eP	20 45									
		Chiufeng	iP	20 50							7 03	6015	
		Pasadena	iP	24 20									
		Hamburg	ePz	30 09	13	13	5	20	23	20			
		Württemberg	iP'N	30 16							10 40?	14300	
		La Paz	eP'E	30 31	+ 9	– 3		22	5			16700	
		Sucre	eP'	30 34								16700	
		Saint Louis	iPN	30 36									
		Florissant	i	30 52									
166	Dec.15	Taikyû	eP	20 59 14.4									Felt rather strongly at Zensyû, Tyôsen.
167	Dec.20	Taikyû	eP	14 53 34.3									Ditto.
163	Dec.24	Zinsen	eP?	10 54 09.6							6 44.7?	5049?	New Britain ?
		Amboina	iP	10 48 15							3 50	2320	
		Nanking	ePz	54 10									
		Chiufeng	eP	55 02							7 20	5742	
		Batavia	P	55 11							3 19?	2000?	
		Medan	e	55 15									
		Pasadena	iPz	59 08									
		Württemberg	iPS	11 16 38								14000	

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ		s	μ	km	
1	Jan. 1	Pz	8 59 07.9				4.9	∪ 0.7	7000?	Africa?
		PcPz?	59 29.							
		S_N?	9 07 36.8							
		ScS_N?	08 33.0							
		ScS_E	08 34.7							
		eL_E	17 29.							
		F	32 50.							
2	Jan. 3	eP_E	15 30 16.2						1220?	ENE off Miyako.
		eS_E?	32 26.3							
		eL_E	33 40.7							
		F	16 00 50.							
3	Jan. 3	P_E	22 43 06.1						920	The Nippon Sea. Deep earth.
		S_N	44 46.5							
		F	50 30.							
4	Jan. 4	Pz	1 29 06.8						2100	SE off Titi-zima, the Bonin Islands.
		P_N	29 07.2							
		iz	29 10.1							
		i_N	29 10.2							
		i_E	29 10.3							
		PR_{1E}	29 17.4							
		PR_{1N}	29 17.5							
		S_N	32 39.1							
		eL	34 58.							
		F	Lost during change of record sheets							
5	Jan. 4	ePz?	4 09 11.8						6090?	Alaska.
		ez	09 18.3							
		e_N	09 18.4							
		ePR_{1Z}	11 03.							
		ez	15 07.							
		S_N	16 52.9							
		eL_Z	24 58.							
		ez	30 02.9							
		e_H	31 08.							
		F	41 50.							
6	Jan. 7	e	4 09 57.							NE off Miyako.
		eL_N	12 31.							
		L_E	13 17.							
		L_Z	13 18.							
		M_N	14 19.5	+ 340			17.6			
		M_E	14 54.6		− 260		16.1			
		M_Z	15 46.3			+ 280	13.9			
		C	21 40.							
		F	5 13 50.							
7	Jan. 8	eP_E	6 32 06.						1430?	Off the mouth of the River Mabuti, Aomori Prefecture.
		eP_Z	32 09.7							

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
		eSE?	6 34 36.							
		eLN	35 44.							
		eLE	36 26.							
		eLZ	36 29.							
		F	51 50.							
8	Jan. 9	PZ	2 09 32.0						4480?	NE part of Afghanistan.
		eSZ?	15 46.							
		eLZ?	19 56.							
		FZ	38 40.							
9	Jan. 10	ePZ?	3 12 47.7						870?	NW off Amami Oosima, Kagosima Prefecture.
		eSZN	14 23.							
		F	20 50.							
10	Jan. 15	PE	18 10 05.6						5340	New-Guinea.
		eN	10 16.8							
		eZ	10 26.4							
		PR1Z	12 17.5							
		PR1E	12 37.0							
		SE	17 07.							
		F	32 40.							
11	Jan. 16	P	11 27 13.7						146	SW part of Waiyô-gun, Kogendô, Tyôsen. Felt in the epicentral region.
		S	27 33.4							
		iE	27 34.6							
		F	29 10.							
12	Jan. 21	eE	16 38 12.6							
		FE	49 20.							
13	Jan. 21	ePE	19 34 01.2						9820?	Indian Sea.
		eE	34 34.8							
		ePZ	34 35.7							
		eE	35 51.8							
		eSEZ?	44 51.6							
		eEZ	47 15.8							
		eE	52 32.8							
		eE	20 12 19.8							
		M1E	20 06.		± 70		16			
		eE	25 00.							
		M2E	27 58.		± 30		15			
		F	21 04 40.							
14	Feb. 3	P	22 16 27.9					S 0.6 W 0.6 U 0.7	2400	Northern off the Urupp island, the Kurile Islands.
		PcP	20 04.5							
		S	20 24.9							
		eL	22 00.0							
		F	45 ±							
15	Feb. 4	PH	6 23 26.6					N+ E+		WNW off Titi-zima, the Bonin Islands.

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
		FH	22 28 ±							
16	Feb. 9	PEZ	3 59 25.9					N 0.0	1170	SW off the island of
		PN	59 26.6					E 0.4		Hatizyô.
		SZ	4 01 30.5					D 0.7		
		SE	01 31.3							
		SN	01 33.3							
		F	07 30.							
17	Feb. 13	eP	2 55 08.					∪+	3255	The Altai range.
		eSN	3 00 09.							
		eLZ	03 57.							
		eLN	03 58.							
		C	11 54.							
		F	54 00.							
18	Feb. 13	eE	4 38 34.							
		eN	39 —							
		F	43 ±							
19	Feb. 13	ePZ	23 10 58.1							
		ePE	11 00.2						2340?	Eastern off the cape
		eSE?	14 50.							of Nosyappu, Hokkai-
		eLE	17 59.							dô district.
		F	29 10.							
20	Feb. 19	P	4 29 16.7					N 1.1	1470	WSW off the island
		iPR1N	29 22.0					W		of Yonakuni.
		iPR1Z	29 22.5					∪ 1.1		
		eSZ	31 51.							
		F	Lost in next quake							
21	Feb. 19	PZ	4 29 46.0						1640	
		PN	29 46.7							
		SE	32 31.							
		SN	32 32.							
		F	5 06 50.							
22	Feb. 23	eP'Z	8 29 13.							Chile, Damage at
		eP'N	29 15.							Iquique.
		PR1Z	33 27.							
		PR1N	33 29.							
		ePR2Z?	36 24.							
		ePR2E?	36 35.							
		eN	37 11.							
		eE	38 30.							
		eZ	39 09.							
		eN	39 12.							
		eE	39 55.							
		eZ	40 27.							
		eScPcSPZ?	43 26.							
		eScPc3PH?	43 27.							

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
		SR_{1N}	8 53 11.							
		SR_{1E}	53 24.							
		eSR_{2Z}	59 12.							
		eSR_{2E}	59 26.							
		eSR_{2N}	59 28.							
		eL_H?	9 14 ±							
		M_{1N}	16 18.	− 149			48.			
		M_{1E}	16 20.		± 90		43.			
		M_{2E}	28 06.		± 65		33.			
		M_{2N}	29 02.	± 40			30.			
		M_{3E}	35 02.		± 59		25.			
		M_{3N}	35 07.	± 39			30.			
		M_{4E}	41 20.		± 65		26.			
		M_{4Z}	42 28.			± 48	25.			
		M_{4N}	43 02.	± 130			30.			
		F	10 25 ±							
23	Mar. 2	iP	17 34 19.2					S 1	1520	Strong earthquake off Sanriku. Great damage along Sanriku coast due to the tidal wave.
		i_N	34 27.9					W 12		
		i_N	34 35.2					U 9		
		S_N	36 58.							
		M_E	36 13.9		±7800		19.6			
		M_Z	38 41.0			±7500	18.5			
		M_N	39 22.6	±3700			11.9			
		C	18 01 10.							
		F	21 51 50.							
24	Mar. 2	P	18 29 33.1							After shock of No.23
		F	Lost in principal quake							
25	Mar. 2	P	19 44 49.2							Ditto.
		F	Lost in principal quake							
26	Mar. 2	P	20 46 06.4							Ditto.
		F	Lost in principal quake							
27	Mar. 2	eL	22 42 16.							Ditto.
		F	49 0.							
28	Mar. 3	P	1 20 26.3							Middle valley of the River Sensin, Zeura-hokudô, Tyôsen.
		S?	20 28.7							
		F	21 13.							
29	Mar. 3	eP	2 24 27.3							Philippine.
		e	24 33.							
		e	25 03.							
		e	28 37.							
		F	35 40.							
30	Mar. 3	P	4 41 05.3							After shock of No.23
		eL	45 01.							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
		F	4 57 0.							
31	Mar. 3	e	5 38 07.							Ditto.
		F	40 00.							
32	Mar. 3	P	9 16 01.							Ditto.
		i	16 10.9							
		e	19 13.							
		F	Lost in next quake							
33	Mar. 3	P	9 41 55.3							Ditto.
		eL	46 03.							
		F	Lost in next quake							
34	Mar. 3	P	10 07 39.2							Ditto.
		e	08 09.							
		e	11 11.							
		F	22 00.							
35	Mar. 3	P	10 35 10.5							Ditto.
		F	50 00.							
36	Mar. 3	eL	12 04 18.							Ditto.
		F	09 30.							
37	Mar. 3	P	12 17 12.3							Ditto.
		eL	21 47.							
		F	28 00.							
38	Mar. 3	eP	15 05 25.2							Ditto.
		eL	09 53.							
		F	Lost in next quake							
39	Mar. 3	eP	15 10 13.6							Ditto.
		eL	14 00.							
		F	31 00.							
40	Mar. 3	eL	15 59 32.							Ditto.
		F	16 03 00.							
41	Mar. 3	P	16 15 07.1							Ditto.
		eL	18 56.							
		F	28 00.							
42	Mar. 3	P	19 10 19.2							Ditto.
		eL	14 13.0							
		F	24 00.							
43	Mar. 8	P	1 38 50.4						1560	Ditto.
		S_N	41 33.8							
		eL	42 22.							

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
		F	h m s 1 48 ±	μ	μ	μ	s	μ	km	
44	Mar. 11	e_N	14 29 39.							Ditto.
		F	58 20.							
45	Mar. 11	P	19 35 59.1						1430	WNW off Titi-zima, the Bonin Islands.
		i	36 03.4							
		S	38 29.1							
		i_E	38 39.1							
		i_N	38 42.5							
		PcS	46 51.							
		F	20 07 20.							
46	Mar. 12	eL	5 12 11.							After shock of No.23
		F	26 ±							
47	Mar. 17	P	16 01 41.1						3250	The Aleutian Islands.
		PcP	04 43.1							
		S	06 41.7							
		PcS	07 40.0							
		L	08 30.9							
		ScS	11 13.0							
		eF	50 —							
48	Mar. 17	eS?	19 43 17.							Mindanao.
		eL?	46 13.							
		eF	20 20 —							
49	Mar. 18	iP	15 54 17.2				3.0	S 2	1465	Southern off the island of Hatizyô.
		eS	56 50.8				3.0	E 7		
		e	57 43.5				3.0	D 4		
		L	58 27.5							
		PcP	59 06.8							
		eF	16 07 —							
50	Mar. 23	eP_E?	17 42 28.8							Mongolia.
		e_E	43 35.6							
		e_E	47 22.6	May be another quake.						
		e_E	47 57.6							
		eL_N?	48 32.7							
		F	18 10 00.							
51	Mar. 25	P	12 52 09.8						533	Neighbourhood of Mt. Aso.
		e	53 02.2							
		S	53 21.6							
		i	53 25.1							
		F	13 05 00							
52	Mar. 31	eP_E?	22 04 39.8						2020?	Mongolia ?
		eS_N?	08 05.							
		eL_N?	12 16.							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
		F	22 27 ±							
53	Apr. 1	eP_N?	16 02 04.						920	After shock of No. 23
		eP_E	02 10.5							
		eP_Z	02 11.5							
		eS_N	03 43.9							
		eS_E	04 5.3							
		e_N	05 4.							
		eL_N	05 31.5							
		eL_E	06 11.							
		eL_Z	06 17.							
		M_E	07 30.		± 18		12			
		M_N	07 1.	± 20			13			
		F	29 0.							
54	Apr. 1	P_E	22 44 18.1						1600	Ditto.
		S_E	47 04.1							
		eL	48 34.							
		F	23 03 ±							
55	Apr. 2	eL_N?	10 16 37.1							Ditto.
		F	24 ±							
56	Apr. 9	P_E	2 49 49.3							Ditto.
		L_N	52 25.2							
		M_N	55 49.0	± 93			10.8			
		M_Z	56 35.3			± 51	11.0			
		M_E	56 57.2		± 47		12.9			
		F	3 38 00.							
57	Apr. 9	eP_E?	10 33 17.							Ditto.
		F	50 ±							
58	Apr. 19	eP_E	2 58 57.8						1550	Ditto.
		eS_N	3 01 40.							
		eI_N	03 05.							
		F	14 00.							
59	Apr. 19	iP	6 48 00.9					N 5.9	1530	Mouth of the River Daidakusui, Formosa.
		S_E	50 40.7					E 1.4		
		L_E	51 01.5					U 1.6		
		C	58 57.							
		F	7 53 00.							
60	Apr. 23	eP_E	6 09 15.8						8320	Near the island of Kos, Asia Minor.
		$ePcP_E$	09 41.3							
		ePRI	12 0±							
		eS_N	18 51.9							
		$eScS_N$	21 06.							
		eL_N	34 39.3							
		F	7 09 00.							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
61	Apr, 23	eP_E	7 16 51.3							After shock of No.23
		eP_N	16 53.3							
		eL_N	19 13.7							
		M_Z	22 59.8			+ 94	12.8			
		M_N	23 06.8	— 47			11.2			
		M_E	23 07.7		— 49		11.2			
		F	Lost in next quake							
62	Apr. 23	eP	8 29 11.3							Ditto.
		eL?	32 45.9							
		F	45 00.							
63	Apr. 27	eP_N	2 45 32.9						6120	Alaska.
		eP_Z	45 33.4							
		eP_E	45 36.3							
		S	53 15.5							
		eL	3 02 18.							
		M_E	12 02.0		— 126		12.3			
		M_Z	12 12.2			± 382	13.8			
		M_N	12 14.1	— 173			12.3			
		F	4 17 30.							
64	May 1	eP	18 34 22.8						2270?	Near the island of Etorohu, the Kurile Islands.
		eS?	38 09.							
		eL?	40 59.							
		F	56 00.							
65	May 1	eL_N?	19 04 31.5							Ditto.
		F	09 00.							
66	May 1	eP_N	19 55 22.0						2040	Southern off the island of Etorohu, the Kurile Islands.
		eP_E	55 26.4							
		eN_E	57 11.1							
		eS	58 49.1							
		eL_N	20 00 28.7							
		F	30 00.							
67	May 3	eP_N	23 34 23.1						2905	The River Daidaku-sui, Formosa.
		$ePcP_{NE}$	37 24.							
		e_E	38 20.							
		eS_E?	38 59.							
		F	49 20.							
68	May 8	eL?	11 35 03.							Mexico.
		F	12 06 50.							
69	May 12	e L	16 24 54.							
		F	31 30.							
70	May 16	eP_E	1 20 06.9						4460	North Sumatra.
		eP_N	20 08.9							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
		ePZ	1 20 09.7							
		eSN	26 19.6							
		eSE	26 21.1							
		ScS?	30 26.3							
		eL	32 06.9							
		F	2 14 ±							
71	May 19	eL	19 08 32.							The Atlantic Ocean.
		F	28 50.							
72	May 21	ePE	11 58 26.9						1730	SSE off the island of Hatizyô.
		eSEN	12 01 25.5							
		eLN	02 54.							
		F	13 50.							
73	May 22	eP?	20 47 48.6							Hyûga-nada, Miyazaki Prefecture.
		F	50 50.							
74	May 23	ePE?	16 38 24.2						770	Ditto.
		eS	39 48.0							
		eL	40 34.0							
		F	50 20.							
75	May 23	e	16 55 05.							Ditto.
		eL	55 49.7							
		F	17 03 40.							
76	June 2	PNZ	7 40 37.3					N 2.6	860	Miyakonozyô, Miyazaki Prefecture.
		PE	40 37.6					W 0.7		
		SZ	42 11.1					U 2.8		
		SN	42 17.							
		C	45 09.							
		F	8 19 50.							
77	June 3	ePZ	17 11 20.8						1070	Neighbourhood of Amami Oosima, Kagosima Prefecture.
		eE	12 46.1							
		eSE	13 16.							
		eSN	13 23.							
		LE	14 00.							
		C	17 00.							
		F	50 30.							
78	June 6	PN	2 33 44.0						2780	Philippine.
		eSN	38 10.6							
		F	51							
79	June 7	PZ	11 51 25.9					Down.	2745	Burma.
		ePE	51 26.3							
		eSZ	55 49.9							
		eSN	55 51.							
		eSE	55 53.							

5. The Seismic Reports of Weather Bureau of Tyôsen in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
		F	h m s	μ	μ	μ	s	μ	km	
			Lost in next quake							
80	June 7	P_N	11 59 03.5						1470	
		P_Z	59 15.							
		S_Z	12 01 37.5							
		S_E	01 44.							
		F	22 20.							
81	June 8	eP_E	18 14 06.0						1520	ENE off Miyako, Iwate Prefecture.
		eS_N	16 44.6							
		eL_N	17 48.1							
		F	54 40.							
82	June 12	eP_{ZE}	21 11 17.4							Kisen-numa, Miyagi Prefecture.
		eL_E?	15 00.							
		F	20 30.							
83	June 13	eP	20 36 47.7						1490?	Eastern off the mouth of the River Mabuti, Aomori Prefecture.
		eS_N?	39 24.							
		L_N	40 28.							
		F	21 04 40.							
84	June 13	e	22 51 47.							Alaska.
		F	58 50.							
85	June 18	P_N	21 40 34.1					S 4.3 W 20.3	1310	Eastern off Kinkasan, Miyagi Prefecture.
		P_E	40 34.5							
		S_N	42 53.1							
		L_E	44 03.							
		M_E	44 10.6		± 950		23			
		M_N	45 09.7	± 330			13			
		C	51 10.							
		F	23 42 00.							
86	June 24	eP_Z	22 03 19.						5600	Sumatra.
		eP_E	03 20.							
		eP_N	03 21.							
		e	04 05.							
		PR_{1Z}	05 27.0							
		PR_{1N}	05 28.0							
		PR_{1E}	05 30.							
		$ePcS_N$	09 53.							
		S_E	10 34.							
		SR_1	13 57.							
		M_{E1}	26 07.4		± 230		14			
		M_{N1}	26 12.2	± 290			13			
		M_{E2}	28 28.2		± 140		11			
		M_{N2}	29 42.2	— 480			16			
		M_Z	31 7.1			+ 280	14			
		C	43 30.							

5. The Seismic Reports of Weather Bureau of Tyôsen in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
	25	F	h m s 0 06 40.	μ	μ	μ	s	μ	km	
87	July 3	eL?	15 26 32.							
		F	36 20.							
88	July 9	P	1 34 09.							SE off the island of Etorohu, the Kurile Islands.
		F	Uncertain							
89	July 9	P	9 32 26.4						2260	Ditto.
		eS	36 11.1							
		eL	38 01.2							
		F	Lost in next quake							
90	July 9	P	9 52 37.7						2320	Ditto.
		eS	56 27.5							
		eL_N	58 21.							
		F	10 50							
91	July 9	eP_E?	11 25 35.						2640	Ditto.
		eS_N?	29 51.0							
		eL_E	33 16.							
		eL_N	33 37.							
		F	46 30.							
92	Jnly 9	P	12 34 59.						2280	Ditto.
		e_N	38 23.							
		S_N	38 46.1							
		S_E	38 51.2							
		L_E	40 12.							
		M_N	41 02.0	— 337			20.6			
		M_E	42 22.5		± 174		16.3			
		C	12 48 45.							
		F	14 18 40.							
93	July 9	eP_E	16 11 19.						2331	Eastern off the cape of Nosyappu, Hokkaidô district.
		eP_N	11 24.							
		eS_E	15 10.							
		eS_N	15 11.							
		eL_N	17 13.							
		F	38 40.							
94	July 9	e	17 56 06.							Ditto.
		F	18 10 30.							
95	July 9	e	22 22 24.							Ditto.
		F	40 40.							
96	July 10	P	0 25 00.						1510	Eastern off Kamaisi, Iwate Prefecture.
		S_N	27 37.6							
		eL	29 16.							
		F	Lost during adjusting instrument							

5. The Seismic Reports of Weather Bureau of Tyôsen in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
97	July 10	P_N	10 41 20.4							Borneo.
		L?	47 48.							
		F	11 09 40.							
98	July 11	eL_N?	6 06 18.							Off the coast of Kuzyûkuri, Tiba Prefecture.
		F	12 30.							
99	July 11	e	6 53 00.							ESE off Katuura, Tiba Prefecture.
		eL_N	56 40.							
		F	7 03 40.							
100	July 12	P_E	16 18 37.1						43.8	Local. Felt slightly at Keizyô.
		P_N	18 37.4							
		S_N	18 43.0							
		S_E	18 43.1							
		F	19 32.							
101	July 13	e_E	8 00 14.							WNW off the island of Okuziri, Hokkaidô district.
		e_N	00 26.							
		eL_N?	02 21.							
		F	22 50.							
102	July 14	iP	16 05 21.2					S 4.0 W 2.7	780	Off Vladivostock.
		S	06 46.3							
		F	13 40.							
103	July 18	eS_E	11 28 44.3							Ditto.
		F	36 40.							
104	July 18	e	19 10 18.							Philippine.
		F	44 30.							
105	July 19	e	13 40 27.							Alaska.
		F	57							
106	July 19	P_H	15 07 56.1						4735?	Alaska.
		S_E?	14 23.8							
		F	38 50.							
107	July 19	e	21 00 20.							
		F	07 50.							
108	July 20	P_E	23 17 22.1							Eastern off Kinkasan, Miyagi Prefecture.
		eL_N?	22 23.							
		F	Lost in microseismus							
109	July 22	ePz	21 03 34.						5070	Aleutian.
		eP_E	03 39.							
		eS_E	10 20.							
		eS_N	10 21.							
		eS_Z	10 26.							

5. The Seismic Reports of Weather Bureau of Tyôsen in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
		eSS_N	21 13 22.							
		eSS_E	· 13 32.							
		$eSSS_N$	15 31.							
		eL_Z	17 46.							
		F	22 02 30.							
110	July 24	P_H	8 39 34.3				1.4	W 2.6	730	Southern off Vladivostock.
		S_E	40 53.9							
		F	46 20.							
111	July 23	eP_Z?	16 46 50.						940?	WSW off Wakayama.
		eS_Z?	48 32.2							
		F	51 20.							
112	Aug. 4	eL_N	17 47 10.							
		F	51 30.							
113	Aug. 5	eP_E?	1 00 42.							
		e_E	01 2.							The Solomon Islands.
		e_N	01 6.							
		e_E	01 24.							
		e_N	09 31.							
		eL_N?	13 21.							
		F	23 00.							
114	Aug. 11	eP_E	8 59 40.3						3095	North Burma.
		eS_E	9 04 30.5							
		e_E	04 39.5							
		eL_E	07 57.							
		M_N	09 04.0	+ 90			13.0			
		M_E	11 3.2		− 57		13.1			
		M_Z	11 7.6			− 78	12.5			
		F	33 ±							
115	Aug. 14	e_E	22 21 07.4							
		F	23 00.							
116	Aug. 15	iP	3 01 48.0					S 2.1	1875?	NNE off Titi-zima, The Bonin Islands.
		S	05 00.?					E 5.8		
		eL?	07 27.					D 6.8		
		F	14 00.							
117	Aug. 18	e_E	8 22 34.							
		e_E	23 42.							
		F	29 ±							
118	Aug. 20	eP_E?	11 50 03.8							SE part of Luzon.
		e_E	50 50.1							
		e_E	52 05.8							
		e_E	52 31.0							
		e_E	54 41.8							

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No.	Date	Phase	G. M. T.	Amplitude AN	Amplitude AE	Amplitude AZ	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
		eE	12 01 25.8							
		eE	15 48.0							
		eE	22 07.							
		F	25 00.							
119	Aug. 25	eP	7 54 58.						2305	Between Prov. of Szechuen and Kansu, China.
		SZ	58 46.							
		SE	58 48.							
		MZ1	59 04.2			− 239	7.2			
		MN1	59 04.7	+ 132			6.9			
		ME1	59 06.5		+ 260		7.4			
		LZ	8 00 39.							
		LE	00 42.							
		MN2	01 14.9	− 262			6.8			
		MZ2	02 47.4			+ 420	8.0			
		CE	15 17.							
		FE	9 34 00.							
120	Aug. 28	P1Z	22 39 28.3							South Atlantic Ocean.
		eP1E	39 34.							
		P2Z	39 36.5							
		eP2E	39 44.3							
		P2Z	39 50.							
		eN	43 22.							
		eZ	43 24.3							
		eZ	46 34.							
		eZ	56 32.							
		ME	23 54 18.2		± 54		18.5			
		MN	54 20.5	± 25			18.5			
	29	FZ	00 52 00.							
121	Sept. 2	P	16 44 04.						1250	Southern off the island of Hatizyô.
		S	46 17.							
		SR1?	46 37.							
		SR2?	46 56.							
		PcS?	55 31.							
		F	Lost in microseismus							
122	Sept. 6	P	22 19 30.2						7740	The Fiji Islands.
		ePR1?	21 42.							
		ePR2?	22 45.							
		eSN	28 37.							
		eSE	28 44.							
		eSR1?	32 24.							
		eL?	36 42.							
		e	52 16.							
		F	57 00.							
123	Sept. 9	P	5 04 28.8						86)	Neighbourhood of Vladivostock.
		iS	5 06 03.0							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
		F	5 16 00.							
124	Sept. 21	eP	3 16 28.						1020	The Strong Earthquake of Noto, Isikawa Prefecture.
		eS	18 18.							
		L	19 06.							
		F	35 00.							
125	Sept. 21	eP	9 51 07.							SE off Miyako, Iwate Prefecture.
		eL	55 07.							
		F	10 14 00.							
126	Sept. 21	eP?	13 45 03.							ESE off Miyako.
		eL	50 07.							
		F	57 00.							
127	Sept. 24	eP	15 27 25.						4500	Aleutian Islands.
		eS	33 40.							
		F	16 00 00.							
128	Sept. 25	eP	18 57 40.5						4745?	Tibet.
		PcP?	19 02 44.							
		S?	04 09.							
		SR_1?	08 06.							
		SR_2?	09 09.							
		SR_3?	10 13.							
		L?	10 53.							
		M_E	12 07.3		− 112		11.1			
		F	49 00.							
129	Oct. 2	eP?	15 50 18.							
		F?	17 51 ±							The Pacific Ocean.
130	Oct. 3	eP_E	18 41 16.6						1920	Central part of Niigata Prefecture.
		eL_E	44 32.4							
		M_E	45 13.4		± 33		13.6			
		F	19 10 ±							
131	Oct. 21	eP_E	2 47 23.4						3340	SE off the cape of Nozima, Tiba Prefecture.
		eL_N	52 30.4							
		F	3 02 ±							
132	Oct. 26	eP?	0 00 45.							North Chile.
		eL?	12 30.							
		F	1 00 ±							
133	Nov. 2	eP_E	12 34 44.3						4703	Aleutian.
		eS_E	41 10.2							
		F	58 ±							
134	Nov. 5	eS_N	20 41 48.5							Mongolia?
		F	48 ±							

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Period	First motion	Δ	Remarks
			h m s	μ	μ	μ	s	μ	km	
135	Nov. 6	eP?	7 27 16.7							Middle coast of Zenr-ahokudô, Tyôsen.
		eS	27 48.4							
		F	31 ±							
136	Nov. 20	$iP_N(eP_E)$	23 32 39.7	− 1.9	−			S 1.9	7704	Baffin Bay.
		iP_Z	32 39.8			+ 5.8	4.1	E —		
		ePR_{1Z}	35 09.5			± 13	8.6	U 5.8		
		ePR_{2N}	36 54.7							
		ePR_{2Z}	36 56.0							
		iS_N	41 44.9							
		eL_E	53 42.2							
	21	M_Z	0 06 50.4			± 217	15.9			
		M_E	07 08.2		− 350		15.8			
		M_N	11 37.2	± 127			14.1			
		F	19 ±							
137	Nov. 22	eP_E?	12 24 54.0						460?	NW part of Amami-Oosima, Kagosima Prefecture.
		eS_E	25 56.2							
		F	34 ±							
138	Nov. 22	eP_E	12 51 05.6						5275	The Bismark Islands.
		eS_E	58 02.6							
		F	13 35 ±							
139	Nov. 22	eP_E?	19 03 03.						427?	Vicinity of Amami-Oosima, Kagosima Prefecture.
		eS_E	04 00.6							
		F	17 ±							
140	Nov. 22	eP_E?	22 35 05.						603?	Ditto.
		eS_E	36 11.3							
		F	22 57 ±							
141	Nov. 28	eP_E?	11 19 12.6						7700?	Sumatra.
		eL_E?	41 43.5							
		F	12 14 ±							
142	Dec. 2	eP_N	8 47 12.0						1920	ESE off Daitô, Formosa.
		eS_E	50 28.0							
		eL_E	53 14.0							
		F	9 05 ±							
143	Dec. 4	iP_N	19 37 23.8	+ 7.4			2.7	N 7.4	1609	Eastern off the Sôya strait.
		iP_E	37 24.0		+ 9.3		2.7	E 9.3		
		iP_Z	37 23.4			− 9.5	3.2	D 9.5		
		i_{EN}	38 51.4							
		i_Z	38 55.1							
		iS_E	40 10.7							
		iS_N	40 15.0							
		iS_Z	40 13.9							
		M_{1E}	40 22.3		+ 70		3.7			
		M_{2E}	40 54.5		+ 81		5.9			

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No.	Date	Phase	G. M. T.	Amplitude			Period	First motion	Δ	Remarks
				A_N	A_E	A_Z				
			h m s	μ	μ	μ	s	μ	km	
		M_N	19 40 54.5	− 71			5.4			
		M_Z	40 23.6			+ 32	3.2			
		C_N	41 06.9							
		C_E	41 07.8							
		C_Z	41 06.5							
		F	20 06 ±							
144	Dec. 12	eP_{EN}	14 19 56.8						5223	New Britain.
		iS_N	26 51.2							
		iS_E	26 53.2							
		F	52 ±							
145	Dec. 24	eP?	10 54 09.6						5049?	New Britain?
		eS?	11 00 54.3							
		F	13 22 ±							

6. The Seismic Reports of Keizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitute A_N	Amplitute A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
1	Jan. 1	eP	8 59 08.0					6940	Africa?
		eS	07 34.0						
		F	33 ±						
2	Jan. 3	P	15 30 14.6						ENE off Miyako.
		L_N	33 39.4						
		M_N	34 38.6	± 50			16		
		M_E	36 04.9		— 70		13		
		F	16 24 ±						
3	Jan. 3	P_E	22 43 03.0					900	The Nippon Sea. Deep earth.
		S_N	44 40.6						
		F	54 ±						
4	Jan. 4	P	1 29 04.8					2020	SE off Titi-zima, the Bonin Islands.
		i	29 08.0						
		PR_1	29 20.6						
		PR_2	29 29.0						
		S_N	32 30.0						
		i_E	32 53.2						
		i_E	33 06.8						
		i_E	33 19.8						
		eL	34 53.0						
		F	2 40 ±						
5	Jan. 4	P	4 09 02.0					6220	Alaska.
		S	16 50.0						
		F	58 ±						
6	Jan. 7	P	4 09 51.4						NE off Miyako.
		L_N	12 27.4						
		L_E	13 11.4						
		M_N	15 26.4	+ 240			14		
		M_E	15 50.9		+ 190		13		
		C	21 20.						
		F	5 47 00						
7	Jan. 8	eP	6 32 03.2						Off the mouth of the River Mabuti, Aomori Prefecture.
		e	36 12.						
		F	51 ±						
8	Jan. 9	P	2 09 33.1						NE part of Afghanistan.
		S	19 03.5						
		F	49 ±						
9	Jan. 10	P	3 13 01.0					730	NW off Amami-Oosima, Kagosima Prefecture.
		S	14 30.						
		F	29 ±						
10	Jan. 15	P	18 10 26.5					5035	New-Guinea.
		PR_1	12 17.7						

6. The Seismic Reports of Keizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		S	18 17 10.8						
		F	39 ±						
11	Jan. 16	P_N	11 27 09.8					124	SW part of Waiyô-Gun, Kôgendô Tyôsen. Felt in the epicentral region.
		P_E	27 10.0						
		S	27 26.4						
		i_E	27 26.9						
		i_N	27 28.4						
		F	28 50						
12	Jan. 21	eP_N?	16 38 13.3						
		F	45 ±						
13	Jan. 21	eP	19 34 33.2					9530	Indian Sea.
		eS	45 10.2						
		e_E	20 52 10.						
		eL?	00 12.						
		F	21 15 ±						
14	Feb. 3	P	22 16 25.4					2375	Northern off the island of Urupp, the Kurile Islands.
		PcP	20 10.6						
		iS	20 20.7						
		eL	24 23.4						
		F	52 ±						
15	Feb. 4	P	6 23 12.2						WNW off Titi-zima, the Bonin Islands.
		i_E	23 16.0						
		F	32 ±						
16	Feb. 9	P	3 59 23.8					1160	SW off the island of Hatizyô.
		i_E	59 28.7						
		S	4 01 28.1						
		L	03 02.3						
		F	15 +						
17	Feb. 13	P	2 55 07.0					3205	The Altai range.
		PR_1	55 39.8						
		S	3 00 04.0						
		L	03 18.0						
		F	50 ±						
18	Feb. 13	P	23 10 55.7					2375	Eastern off the cape of Nosyappu, Hokkaidô district.
		S	14 50.7						
		L	19 09.7						
		F	36 ±						
19	Feb. 19	P	4 29 18.5					1568	WSW off the island of Yonakuni.
		PR_{1N}	29 23.1						
		e	29 47.5	Probably be P of another quake					
		S	32 02.3						
		e_N	32 42.5	Probably be S of another quake					

6. The Seismic Reports of Keizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		F	5 0 +						
20	Feb. 21	e	18 17 24.4						
		F	29 ±						
21	Feb. 23	P	8 29 16.0					9795	Chile, Damage at Iquique.
		S	40 05.0						
		L	53 24.0						
		M_{1E}	9 28 26.2		± 54	26.0			
		M_{1N}	35 03.2	± 81		26.0			
		M_{2E}	41 13.1		± 57	22.0			
		M_{2N}	42 18.5	± 76		22.0			
		F	10 14 +						
22	Mar. 2	P	17 34 16.6					1450	Strong earthquake off Sanriku, Great damage along Sanriku coast due to the tidal wave.
		S_N	36 48.3						
		C_E	18 11 00.3						
		e	20 47 28.5						
		F	21 58 00						
23	Mar. 2	P	18 29 30.4						After shock of No. 22.
		S?	32 35.4						
		F	Lost ni principal quake						
24	Mar. 2	I.?	19 45 02.5						Ditto.
		F	Lost in principal quake						
25	Mar. 2	P	20 46 03.7						Ditto.
		F	Lost in principal quake						
26	Mar. 2	eL	22 42 18.6						Ditto.
		F	50 ±						
27	Mar. 3	P	0 21 21.5					2290	Ditto.
		S	25 09.7						
		F	37 ±						
28	Mar. 3	P	1 20 23.0						Middle valley of the River Sensin, Zenra-hokudô, Tyô-sen.
		F	21 10.						
29	Mar. 3	P_N	2 24 34.4					2485	Philippine.
		S_N	28 38.0						
		F	42 ±						
30	Mar. 3	P	4 41 02.0					2350	After shock of No. 22
		eL	44 55.2						
		F	5 03 ±						
31	Mar. 3	P	9 15 59.0					1570	Ditto.
		PR_1	16 08.0						
		S	18 43.2						

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No.	Date	Phase	G. M. T.	Amplitute A_N	Amplitute A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		L	9 19 48 0						
		M_E	21 36.1		— 21	10.0			
		M_N	22 40.8	+ 24		13.0			
		F	Lost in next quake						
32	Mar. 3	P	9 41 49.2					1500	Ditto.
		S	44 26.0						
		L	46 22.0						
		F	Lost in next quake						
33	Mar. 3	P	10 08 00.0					1280	Ditto.
		PR_1	08 06.2						
		S	10 16.0						
		L	13 4.0						
		F	Lost while changing records.						
34	Mar. 3	P	10 35 27.4					1690	Ditto.
		S	38 22.0						
		L	40 20.0						
		F	52 ±						
35	Mar. 3	P	11 59 34.0					1610	Ditto.
		S	12 02 21.2						
		L	04 20.0						
		F	13 ±						
36	Mar. 3	P	12 17 06.2					1875	Ditto.
		S	20 18.0						
		L	22 25.0						
		F	36 ±						
37	Mar. 3	P	15 05 23.7					1680	Ditto.
		PR_1	05 31.9						
		S	08 17.9						
		L_E	09 23.9						
		F	Lost in next quake.						
38	Mar. 3	P	15 10 24.9					1520	Ditto.
		S	13 03.9						
		L	14 07.9						
		F	34 ±						
39	Mar. 3	P	15 54 11.4						
		L	58 47.8						
		F	16 09 ±						
40	Mar. 3	P	16 15 04.8					1745	Ditto.
		S	18 05.2						
		L	19 07.8						
		F	31 ±						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
41	Mar. 3	P	19 10 32.7					1520	Ditto.
		S	13 11.7						
		L	15 09.7						
		F	27 ±						
42	Mar. 8	P	1 38 48.0					1320	Ditto.
		S	41 08.0						
		L	42 10.0						
		F	57 ±						
43	Mar. 11	eP	14 25 57.1					1790	Ditto.
		eS	29 01.5						
		L	30 31.1						
		M_{1E}	32 19.2		± 30	15.0			
		M_N	33 10.2	± 21		13.0			
		M_{2E}	38 25.2		± 26	14.0			
		F	52 ±						
44	Mar. 11	P	19 35 57.1					1470	WNW off Titi-zima, the Bonin Islands.
		i	37 01.9						
		e	38 09.1						
		S	38 31.1						
		PcS	46 50.1						
		F	20 19 ±						
45	Mar. 12	eP	5 09 07.8					1400	After shock of No. 22.
		eS	11 35.0						
		eL	12 42.0						
		F	29 ±						
46	Mar. 17	P	16 01 23.4					3155	The Aleutian Islands.
		S	06 17.6						
		L	08 08.6						
		M_N	17 27.1	— 10		9.8			
		M_E	17 30.3		± 19	13.0			
		F	17 21 ±						
47	Mar. 17	eP	19 38 01.1					2540	Mindanao.
		eS	42 18.8						
		L	46 04.8						
		M_N	54 23.5	± 50		16.0			
		M_E	55 52.3		± 50	16.0			
		F	21 03 ±						
48	Mar. 18	P	15 54 15.1				S 3.4	1310	Southern off the island of Hatizyô.
		S	56 34.1				E 9.8		
		L	58 49.9						
		F	16 25 ±						
49	Mar. 23	P	17 42 32.6						Mongolia.
		e	43 39.3						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		e	17 46 11.6	May be another quake					
		L	47 57.0						
		F	18 23 ±						
50	Mar. 25	P	12 52 08.8?					507	Neighbourhood of Mt. Aso.
		eS_E	53 04.8						
		L_N	53 17.1						
		F	13 09 ±						
51	Mar. 31	eP	22 04 34.3					2795?	Mongolia?
		i_E	04 42.9						
		eS?	09 02.7						
		eL	12 43.7						
		F	27						
52	Apr. 1	P	16 02 06.6						After shock of No. 22.
		L	05 30.4						
		M_N	06 58.6	± 8		11.0			
		M_E	07 47.0		— 25	12.0			
		F	47 ±						
53	Apr. 9	P	2 49 45.3						Ditto.
		L_N	52 10.1						
		L_E	53 06.3						
		M_E	54 41.3		+ 81	15.0			
		M_N	55 37.1	+ 76		12.0			
		F	3 49 ±						
54	Apr. 9	P	10 33 34.1					1340?	Ditto.
		eS?	35 56.1						
		L	37 25.3						
		F	59 ±						
55	Apr. 19	P	2 58 51.8					1570	Ditto.
		S	3 01 35.8						
		L_N	03 03.0						
		F	13 ±						
56	Apr. 19	iP	6 48 01.8				N 6.8 E 2.3	1585	Mouth of the River Daidakusui, Formosa.
		S	50 46.6						
		L	52 36.8						
		M_E	52 48.6		— 61	4.2			
		F	7 44 ±						
57	Apr. 23	P	6 09 18.8					8220	Near the island of Kos, Asia Minor.
		PR_I	11 57.6						
		S	18 51.0						
		eL_E	34 08.0						
		F	7 12 ±						
58	Apr. 23	P	7 16 48.2						After shock of No. 22.

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No.	Date	Phase	G. M. T.	Amplitute A_N	Amplitute A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		L	19 20.2						
		M_E	22 40.2		+ 70	12.0			
		M_N	23 03.2	± 55		12.0			
		F	Lost in next quake						
59	Apr. 23	eP	8 29 08.2?					1240	Ditto.
		S	31 30.2						
		L	33 26.2						
		F	58 ±						
60	Apr. 27	eP	2 45 32.8					6050	Alaska
		ePR_1	47 25.2						
		ePR_2	48 18.8						
		ePR_3	49 03.0						
		ePcS?	50 05.6						
		S	53 11.8						
		ScS	55 07.8						
		eSR_1	57 22.8						
		eL	02 02.7						
		M_E	10 04.6		± 165	14.0			
		M_N	12 25.8	+ 72		13.0			
		F	4 38 ±						
61	May 1	P	18 34 19.1					2245	Near the island of Etorohu, the Kurile Islands.
		S	38 03.1						
		L	40 13.1						
		F	Lost in next quake.						
62	May 1	P?	18 57 13.1						Ditto.
		i	19 04 20.1						
		F	29 ±						
63	May 1	P	19 55 23.1					2290	Southern off the island of Etorohu, the Kurile Islands.
		S	59 11.1						
		eL	20 00 38.0						
		F	.32 ±						
64	May 3	P	23 34 27.0					2825	The River Daidakusui, Formosa.
		PcP?	37 05.0						
		S	38 57.0						
		eE	40 57.0						
		eE	43 59.0						
		F	51 ±						
65	May 8	eL	11 34 05.0						Mexico.
		F	59 ±						
66	May 12	eE	16 21 06.6						
		e?	25 45.6						
		F	38 ±						

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No.	Date	Phase	G. M. T.	Amplitude A_N μ	Amplitude A_E μ	Period s	First motion μ	Δ km	Remarks
67	May 16	P	Lost while changing record						North Sumatra.
		L	1 34 10.9						
		M_E	1 35 59.2		+ 64	13.7			
		F	2 20						
68	May 19	eL	19 09 00.4						The Atlantic Ocean.
		F	28 —						
69	May 21	P	11 58 33.3					1790	SSE off the island of Hatizyô.
		S	12 01 33.7						
		L	03 05.7						
		F	21 ±						
70	May 22	P	20 47 39.4						Hyûga-nada, Miyazaki Prefecture.
		F	21 02						
71	May 23	P	16 38 22.5						Ditto.
		L	40 33.5						
		F	Lost in next quake						
72	May 23	eP	16 53 35.5						Ditto.
		L	55 50.5						
		F	17 12 ±						
73	June 2	P	7 40 37.3				N 0.9 W 0.4	810	Miyakonozyô, Miyazaki Prefecture.
		S_N	42 05.3						
		eL	42 42.3						
		M_N	42 58.9	+ 37		4.8			
		M_E	42 59.4		+ 117	5.2			
		C	45 38.						
		F	8 16 ±						
74	June 3	P	17 11 25.8					950	Neighbourhood of Amami-Oosima, Kagosima Prefecture.
		S	13 09.0						
		L	13 57.2						
		F	55 ±						
75	June 6	P	2 33 45.5				N 1.6 E 1.0	2745	Philippine.
		S	38 09.1						
		L	41 08.9						
		F	3 00 ±						
76	June 7	P_E	11 51 30.6					2600	Burma.
		eS_E	55 43.2						
		F	Lost in next qnake.						
77	June 7	eP_E?	12 00 07.2					1042?	
		S_E	01 59.2						
		M_E	02 08.8		— 81	15.0			
		F	33 ±						

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No.	Date	Phase	G. M. T.	Amplitute A_N	Amplitute A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
78	June 8	P_E	18 14 04.5						ENE off Miyako, Iwate Prefecture.
		L_E	17 42.5						
		M_E	19 16.7		+ 36	16.0			
		F	19 11 ±						
79	June 12	P	21 11 13.8						Kisen-numa, Miyagi Prefecture.
		eL	14 30.						
		F	31 ±						
80	June 13	P	20 36 44.0					1510	Eastern off the mouth of the River Mabuti, Aomori Prefecture.
		eS_N	39 21.8						
		L_N	40 19.0						
		F	21 11 ±						
81	June 18	P	21 40 30.2				S 1.5	1330	Eastern off Kinkasan, Miyagi Prefecture.
		S_N	42 51.2				W 7.3		
		L_E	43 34.2						
		L_N	44 10.2						
		M_N	45 00.4	+ 326		13.0			
		M_E	45 01.3		— 470	15.0			
		C	48 28.						
		F	Lost while changing record						
82	June 24	eP_E	22 03 38.1					5340	Sumatra.
		$ePcS_E$	09 36.						
		S_E	10 39.						
		SR_{1E}	13 35.						
		L_E	21 43.						
	25	M_E	26 19.2		— 330	14.0			
		F	0 57 ±						
83	July 3	eL?	15 26 47.3						
		F	47 ±						
84	July 9	P_E	1 34 21.5					1940	SE off the island of Etorohu, the Kurile Islands.
		S_E	37 30.5						
		e_E	38 10.5						
		L_E	40 00.0						
		M_E	41 35.6		— 78	17.0			
		C_E	47 56.0						
		F_E	3 01 ±						
85	July 9	P_E	9 32 18.6					2010	Ditto.
		S_E	35 42.4						
		L_E	38 00.0						
		M_E	39 34.7		-44	16.0			
		F_E	Lost in next quake						
86	July 9	P_E	9 52 34.6						Ditto.
		e_E	55 03.6						
		F_E	11 00 ±						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
87	July 9	ePE?	11 25 37.0					2510	Ditto.
		eSE	29 37.6						
		eLE	32 50.6						
		FE	Lost in next quake						
88	July 9	PE	12 34 57.4					2392	Ditto.
		eE	38 22.6						
		SE	38 53.6						
		LE	40 53.0						
		ME	42 24.1		— 221	16.0			
		FE	14 38 ±						
89	July 9	ePE?	16 11 28.0					2340	Eastern off the cape of Nosyappu, Hokkaidô district.
		eSE	15 20.0						
		eLE?	17 44.0						
		FE	17 04 ±						
90	July 9	ePE?	17 55 47.					2450	Ditto.
		eSE	59 48.						
		eLE	18 02 11.						
		FE	26 ±						
91	July 9	eP?	22 19 13.					2680?	Ditto.
		eS	23 32.						
		eL	26 17.						
		F	48 ±						
92	July 10	ePE	0 24 52					1490	Eastern off Kamaisi, Iwate Prefecture.
		eSN	27 29.						
		eL	29 13.						
		F	51 ±						
93	July 10	PN	10 41 22.9				S 3.	4729	Borneo.
		SE	47 50.5						
		eE	51 03.5						
		F	11 11 ±						
94	July 11	ePE	6 02 40.						Off the coast of Kuzyûkuri, Tiba Prefecture.
		eLE	07 05.						
		F	21 ±						
95	July 11	PE	6 52 59.?						ESE off Katuura, Tiba Prefecture.
		LE	57 09.						
		F	7 17 ±						
96	July 12	P	16 18 32.9					15.5	Local. Felt slightly.
		S	18 35.0						
		M	18 35.2	— 33		0.6			
		F	19 24.0						
97	July 13	ePE	8 00 08.						WNW off the island of Oku-

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		eL	8 02 26.						ziri, Hokkaidô district.
		M_E	03 58.8		± 15	12.0			
		M_N	04 21.0	± 12		11.0			
		F	31 ±						
98	July 14	iP	16 05 19.4				S 3	852	Off Vladivostock.
		iS	06 42.6				W 3		
		F	23 ±						
99	July 18	eP_E	11 27 10.					780	Ditto.
		eS_E	28 35.						
		eL_E	28 59.						
		F	41 ±						
100	July 18	eP_E?	19 12 19.					3640?	Philippine.
		eS_E?	17 45.						
		eL_E?	21 57.						
		F_E	59 ±						
101	July 19	eP_E	13 40 24					4795	Alaska.
		eS_E	46 55.						
		e_E	49 57.						
		F	14 26 ±						
102	July 19	P	15 07 53.7					4720	Alaska.
		eS_E	14 21.						
		e_E	14 23.						
		eL_E	21 57.						
		F	58 ±						
103	July 19	e_E	20 59 01.						
		e_E	21 04 21.						
		F	17 ±						
104	July 20	P_E	23 17 18.4				N 2.9	2026	Eastern off Kinkasan, Miyagi Prefecture.
		S_E	20 44.0						
		L_E	22 04.0						
		F_E	29 ±						
105	July 22	e_N	21 22 57.						Aleutian.
		F	45 ±						
106	July 24	iP_E	8 39 32.7				W 2.9	988	Southern off Vladivostock.
		S_E	41 19.5						
		L_E	42 12.5						
		F_E	50 ±						
107	July 24	e_E	19 08 13.						SW to Samoa.
		e_E	17 33.						
		e_E	23 21.						
		e_E	32 17.						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		F_E	19 58 ±						
108	July 28	eP?	16 46 40.1						WSW off Wakayama.
		i_N	47 37.1						
		i_N	48 11.3						
		e_N	48 35.6						
		e_E	48 44.6						
		F	56 ±						
109	Aug. 4	e_E	17 43 13.3						
		eL_E?	47 32.7						
		F_E	55 ±						
110	Aug. 5	eS?	1 10 08.0						The Solomon Islands.
		eL?	15 03.0						
		F	24 ±						
111	Aug. 11	P	8 59 43.9					3009	North Burma.
		S	9 04 27.5						
		L	Lost while changing receord						
		M_N	10 51.6	± 31		10.0			
		M_E	11 18.9		+ 40	12.0			
		C	13 06.9						
		F	44 ±						
112	Aug. 14	eP	22 21 12.2					2702	
		eS?	25 33.0						
		eL?	30 18.0						
		F	49 ±						
113	Aug. 15	P	3 01 44.1				S 2	1730?	NNE off Titi-zima, the Bonin Islands.
		S	04 43.?				E 5		
		L	07 06.3						
		F	27 ±						
114	Aug. 18	e_E	8 22 22.						
		L_E?	24 03.						
		F_E	33 ±						
115	Aug 25	P	7 55 03.8					2262	Between Prov. of Szechuen. and Kausu, China.
		S	58 49.0						
		M_{E1}	59 14.1		+ 227	6.5			
		L	8 00 55.0						
		M_{E2}	3 20.0		− 344	9.0			
		F	9 55 ±						
116	Aug. 28	P_E	22 39 33.4					4105	South Atlantic Ocean.
		eS_E	45 26.4						
		e_E	58 15.						
		Fe	Lost out of record						

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No.	Date	Phase	G. M. T.	Amplitude A_N μ	Amplitude A_E μ	Period s	First motion	Δ km	Remarks
117	Sept. 2	iP_E	16 44 04.4				E 5.0	1217	Southern off the island of Hatizyô.
		eS_E	46 14.1						
		M_E	46 39.8						
		F	17 16 ±						
118	Sept. 6	eP_N	22 19 28.8					7740	The Fiji Islands.
		eS_N	28 35.8						
		F	23 10 ±						
119	Sept. 9	iP_N	5 04 27.2					854	Neighbourhood of Vladivostock.
		iS_E	05 59.6						
		M_E	06 06.6		± 41	2.9			
		M_N	06 13.9	+ 47		5.3			
		F	18 ±						
120	Sept. 21	eP_E	3 16 28.6					843	The Strong Earthquake of Noto, Isikawa Prefecture.
		eS_E	17 59.9						
		M_E	20 10.7		— 70	10.0			
		F	42 ±						
121	Sept. 21	eP_E	9 51 03.2						SE off Miyako, Iwate Prefecture.
		eL	54 51.7						
		M_N	56 16.1	± 230		14.0			
		F	10 16 ±						
122	Sept. 21	eP_E	13 45 12.5					2595	ESE off Miyako.
		eS_E	49 25.0						
		F	14 00 ±						
123	Sept. 24	eP_E	15 27 22.6					4424	The Aleutian Islands.
		eS_E	33 33.8						
		eL_E	36 35.7						
		F	16 35 ±						
124	Sept. 25	eP_E	18 57 42.					3769	Tibet.
		eS_E	19 03 15.7						
		eL	07 44.6						
		M_E	12 14.5		± 180	13.2			
		F	30 ±						
125	Sept. 30	eP_N	14 28 48.8					4440	New Guinea.
		eS_E	35 00.8						
		eL_E	33 00.8						
		F	15 13 ±						
126	Oct. 2	eP?	15 50 20						The Pacific Ocean.
		F	18 13 ±						
127	Oct. 3	iP_E	18 41 13.1						Central part of Niigata Prefecture.
		eL	43 44.1						
		M_E	45 08.5		± 43	13.0			

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		F	19 15 ±						
128	Oct. 5	eP	13 56 21.5						Persia.
		eS?	59 17.3						
		eL?	14 02 30.5						
		M_E	05 55.6		+ 18	14.0			
		F	42						
129	Oct. 21	eP	2 47 21.2						SE off the cape of Nozima, Tiba Prefecture.
		eL	51 46.2						
		M_N	54 49.4	± 19		16.0			
		M_E	54 49.5		— 45	14.0			
		F	3 19 ±						
130	Oct. 26	eP?	0 02 14.						North Chile.
		eL?	12 01.						
		F	1 00 ±						
131	Nov. 2	eP	12 34 48.8					4472	Aleutian.
		eS	41 02.4						
		L	45 43.8						
		F	13 23 ±						
132	Nov. 5	eP?	20 41 27.2						Mongolia?
		F	21 00 ±						
133	Nov. 6	eP	7 27 22.2						Middle coast of Zenrahokudô, Tyôsen.
		F	37 ±						
134	Nov. 20	P	23 32 42.2					7130	Baffin Bay.
		S	41 18.2						
		L	54 37.0						
	21.	M_E	0 05 22.4		+ 25	16.2			
		F	1 21 ±						
135	Nov. 22	eP	12 25 18.3					640	NW part of Amami-Oosima, Kagosima Prefecture.
		S	26 28.3						
		F	40 ±						
136	Nov. 22	eP	12 51 07.1					5301	The Bismark Islands.
		eS	58 05.5						
		L	13 04 17.3						
137	Nov. 22	eP?	19 03 11.2						Vicinity of Amami-Oosima, Kagosima Prefecture.
		F	22 ±						
138	Nov. 22	eP	22 34 54.2					966	Ditto.
		S	36 38.8						
		F	23 05 ±						
139	Nov. 28	eP	11 39 14.1					1650	Sumatra.

6. The Seismic Reports of Keizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		eS	11 42 05.1						
		I_N	44 10.9						
		eI_E	44 51.5						
		F	12 15 ±						
140	Dec. 4	iP	19 37 21.7					1561	Eastern off the Sôya strait.
		S	40 04.8						
		F	20 10 ±						
141	Dec. 12	eP	14 19 56.6					5211	New Britain.
		eS	26 50.4						
		eL	32 10.6						
		F	15 00 ±						

7. The Seismic Reports of Taikyû Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
1	Jan. 1	ePN?	8 59 38.3					6105?	Africa?
		eSN?	9 07 20.4						
		$ScSN$?	08 18.1						
		eF	17 20.						
2	Jan. 3	P	15 30 11.2					1420?	ENE off Miyako.
		eSN?	32 40.0						
		LN	33 29.5						
		F	53 20.						
3	Jan. 4	P	Lost during the change of record sheets						Alaska.
		S							
		L							
		F	2 09 20.						
4	Jan. 7	e	4 09 45.0						NE off Miyako.
		L	12 08.						
		M_{1N}	14 03.2	+ 130				18	
		M_{1E}	17 02.0		+ 92			13	
		M_{2N}	17 12.2	− 115				13	
		C	22 35.						
		F	5 06 10.						
5	Jan. 8	P	6 31 56.0						Off the mouth of the River Mabuti, Aomori Prefecture.
		eLN	34 50.						
		F	49 40.						
6	Jan. 16	S	11 28 18.5						SW part of Waiyôgun, Kôgendô, Tyôsen.
		F	29 31.7						
7	Jan. 21	eN	19 41 41.						Indian Sea.
		eN	45 53.						
		eN	47 18.						
		eN	52 43.						
		eN	08 16.						
		M_N	16 31.2	± 58		16			
		F	28 20.						
8	Feb. 3	eP	22 16 25.3					2340	Northern off the island of Urupp, the Kurile Islands.
		S	20 17·3						
		F	36 ±						
9	Feb. 9	PE	3 59 00.9					960	SW off the island of Hatizyô.
		SE	4 00 44.9						
		F	09 00.						
10	Feb. 13	eLN?	3 04 55.7						The Altai range.
		eN	07 06.7						
		F	27 —						
11	Feb. 19	P	4 29 06.6					1340	WSW off the island of Yonakuni.

7. The Seismic Reports of Taikyû Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		PR_1	4 29 11.6						
		eN	30 05.6	May be P of another quake					
		S_E	31 28.4	|	|	|			
		eN	32 33.6	May be S of another quake					
			Changed paper at $4^h\ 32^m\ 40^s$						
		F	40 00	|	|	|			
12	Mar. 2	P	17 34 05.9				S 11	1400	Strong earthquake off Sanriku.
		S	36 33.				W 14		Great damage along Sanriku coast
		L	37 28.6						due to the tidal wave.
		C	51 59.0						
		M_E	38 37.0		+4545	20.8			
		M_N	39 37.0	+9091		17.8			
		F	21 15 10.						
13	Mar. 2	P	18 29 26.0						After shock of No. 12.
		F	Lost in principal quake						
14	Mar. 2	P	19 44 48.4						Ditto.
		F	Lost in principal quake						
15	Mar. 2	P	20 45 53.2					1640	Ditto.
		S	48 43.						
		eL	49 19.0						
		M_E	51 40.8		+ 125	12.7			
		F	Lost in principal quake						
16	Mar. 3	P	1 19 08.3					97	Middle valley of the River Sensin, Zenrahokudô, Tyôsen.
		S	19 21.3						
		F	21 12.3						
17	Mar. 3	eL	2 28 29.6						Philippine.
		eF	36 10.						
18	Mar. 3	eP	4 40 42.2						After shock of No. 12
		eF	55 10.						
19	Mar. 3	P	9 15 51.4					1530	Ditto.
		S	18 31.4						
		L	19 28.9						
		F?	41 11.4						
20	Mar. 3	eP	9 41 40.2					1420	Ditto.
		eS	44 18.2						
		eL	45 22.						
		eF	10 05 10.						
21	Mar. 3	eP	10 07 23.9						Ditto.
		eF	20 10.						
22	Mar. 3	P	10 35 12.4						Ditto.

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		F	10 47 11.4						
23	Mar. 3	P	11 59 33.6						Ditto.
		F	12 10 11.2						
24	Mar. 3	P	12 16 54.2						Ditto.
		e	23 37.2	May be another quake					
		F	30 11.2						
25	Mar. 3	eP	15 05 12.7						Ditto.
		ePR_J	05 23.5						
		F	Lost in next quake.						
26	Mar. 3	eP	15 10 12.9					1450	Ditto.
		ePR_1	10 25.0						
		eS	12 44.8						
		eL	13 33.8						
		F	27 10.8						
27	Mar. 3	eP	15 53 14.9						Ditto.
		F	16 00 10.8						
28	Mar. 3	eP	16 14 51.0						Ditto.
		F	21 10.8						
29	Mar. 3	eP	18 50 17.7						Ditto.
		F	56 11.5						
30	Mar. 3	eP	19 10 24.5					1500	Ditto.
		eS	13 01.5						
		eL	14 02.5						
		F	19 10.5						
31	Mar. 3	eP	19 53 33.3						Ditto.
		F	58 10.3						
32	Mar. 3	eP	20 23 17.6						Ditto.
		F	28 10.2						
33	Mar. 7	P	12 57 52.2					4	Felt slightly, Local.
		S?	57 52.7						
		F	58 02.8						
34	Mar. 9	P	3 46 17.0					16	Felt slightly, Local.
		S	46 19.2						
		F	46 38.0						
35	Mar. 11	eL	14 28 38.8						After shock of No. 12.
		M_N	33 56.4	— 110		19.7			
		M_E	33 56.5		+ 111	17.5			
		F	53 20.						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
36	Mar. 11	P	19 34 13.7				S 9	1329	WNW off Titi-zima, the Bonin Islands.
		S	36 34.8				E 8		
		PcS	45 17.4						
		F	20 00 30.						
37	Mar. 17	eP?	16 03 22.7						The Aleutian Islands.
		L?	12 55.3						
		F	36 40.						
38	Mar. 17	eP?	19 38 40.7						Mindanao.
		L	47 02.3?						
		F	20 18 20.						
39	Mar. 18	iP	15 53 50.5					1170	Southern off the island of Hatizyô
		e	54 54.8						
		S	55 55.3						
		F	16 09 40.						
40	Mar. 23	ePE?	17 42 57.0						Mongolia.
		eN	46 44.	May be another quake					
		e	47 51.2						
		F	18 09 30.						
41	Mar. 25	P	12 51 27.4					332	Neighbourhood of Mt. Aso.
		S	52 11.9						
		F	59 30.						
42	Apr. 1	P	16 01 56.3						After shock of No. 12
		L	05 56.0						
		F	19 10.						
43	Apr. 1	P	22 44 06.9						Ditto.
		F	53 10.						
44	Apr. 9	eP	2 49 27.6	disturbed by microseismus				1480	Ditto.
		S	52 02.6						
		L	53 10.6						
		MN	54 50.9	+ 140		13.2			
		F	3 20 —						
45	Apr. 9	eP	10 33 22.1						Ditto.
		F	41 —						
46	Apr. 19	P	6 47 51.5				N 2.8	1460	Mouth of the River Daidakusui, Formosa.
		S	50 24.1				E 7.0		
		L	52 07.0						
		ME	52 31.9	— 64		4.5			
		F	7 29						
47	Apr. 23								
		eP	6 09 15.						Near the island of Kos, Asia Minor.
		F	7 00 40.						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
48	Apr. 23	P	7 16 38.6					940	After shock of No. 12.
		S	18 20.6						
		L	20 54.6						
		F	7 48 37.6						
49	Apr. 23	P	8 28 56.5						Ditto.
		F	40 40.						
50	Apr. 27	P	2 45 38.2					6120	Alaska.
		S	53 21.5						
		L	3 00 51.7						
		F	4 15 31.0						
51	May 16	eP	1 20 12.7					4420	North Sumatra.
		eS_N	26 23.3						
		eS_E	26 28.3						
		eSR_I?	29 42.3						
		eL	32 56.7						
		F	57 00						
52	May 21	P	4 37 25.1						Felt at Mosyu, Zenrahokudô, Tyôsen.
		F	37 41.3						
53	May 22	eP	20 46 40.0						Hyûga-nada, Miyazaki Prefecture.
		eF	49 00.0						
54	May 23	eP	16 37 52.9					666	Ditto.
		S	39 05.5						
		L	39 23.9						
		F	49						
55	May 23	eP	16 53 09.5					646	Ditto.
		eL	54 36.						
		F	17 04 ±						
56	June 2	P	7 40 06.8				N 3.1	800	Miyakonozyô, Miyazaki Prefecture.
		S	41 33.6				W 1.9		
		F	8 11 50.						
57	June 3	P	17 11 01.3					800	Neighbourhood of Amami-Oosima, Kagosima Prefecture.
		S	12 28.6						
		C	18 00.						
		F	47 20.						
58	June 6	eP_N	2 33 31.8					2350?	Philippine.
		eS_N?	37 25.						
		eL_E	40 14.						
		F	57 40.						
59	June 7	P	11 51 39.0					2925	Burma.
		S	56 16.5						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
		F	h m s Lost in next quake	μ	μ	s	μ	km	
60	June 7	eP	11 59 58.5						
		F	12 22 40.						
61	June 8	P	18 13 56.1					1421	ENE off Miyako, Iwate Prefecture.
		S	16 25.2						
		eL_N	17 08.						
		F	32 30.						
62	June 12	eP	21 11 01.9						Kisen-numa, Miyagi Prefecture.
		F	18 50.						
63	June 13	P	20 35 39.4					1441	Eastern off the mouth of the River Mabuti, Aomori Prefecture.
		S	38 10.5						
		L	39 14.						
		F	58 20.						
64	June 18	P	21 40 19.6			6.7	S 7.8	1205	Eastern off Kinkasan, Miyagi Prefecture.
		S	42 28.1			7.2	W 36.0		
		L_E?	43 17.						
		C	46 08.						
		F	23 08 00.						
65	June 24	eP	22 03 28.1					5235	Sumatra.
		eS	10 23.1						
		eSR_1	14 06.						
		M_N	25 22.6	± 220		11.0			
		M_E	25 28.9		± 289	12.9			
		C	34 15.						
	25	F	0 00 10.						
66	July 9	P	1 34 19.9					2245	SE off the island of Etorohu, the Kurile Islands.
		S_N	38 03.9						
		S_E	38 10.8						
		eL_N	39 14.						
		F	2 08 40.						
67	July 9	eP	9 32 21.2					2210	Ditto.
		S	36 02.2						
		L	38 28.2						
		F	Lost in next quake						
68	July 9	P	9 52 34.1					2270	Ditto.
		S	56 20.1						
		L	58 42.1						
		F	10 20 50.						
69	July 9	P	12 34 58.0					2090	Ditto.
		e_N	38 01.						
		eS_E	38 29.						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		S_N	12 38 44.						
		L	40 10.0						
		C	49 41.						
		F	13 47 00.						
70	July 9	eP_N?	16 11 23.					2270?	Eastern off the cape of Nosya–ppu, Hokkaidô district.
		eP_E?	11 25.						
		eS_E?	15 09.						
		eS_N?	15 13.						
		F	32 20.						
71	July 9	e	17 59 35						Ditto.
		F	18 08 40.						
72	July 9	e	22 22 44.						Ditto.
		F	33 50.						
73	July 10	P	0 24 43.0				N 0.4	1430?	Eastern off Kamaisi, Iwate Prefecture.
		eS?	27 13.0				E 1.6		
		F	39 40.						
74	July 10	P	10 41 05.0						Borneo.
		L?	47 19.0						
		F	59 05.0						
75	July 11	P	6 52 40.2						ESE off Katuura, Tiba Prefecture.
		eL_E?	56 58.						
		F	7 03 40.						
76	July 13	e	8 00 05.0						WNW off the island of Oku–ziri, Hokkaidô district.
		eL_E?	02 20.						
		F	21 30.						
77	July 14	P	16 05 30.7			2.1	S 5.5	850	Off Vladivostock.
		S	07 02.7			1.8	W 1.1		
		F	18 50.						
78	July 18	eP_N	11 26 45.					712	Ditto.
		S	28 03.6						
		F	41 00.						
79	July 18	eP	19 10 58.3					2922?	Philippine.
		eS?	15 36.						
		eL?	18 44.						
		F	36 10.						
80	July 19	e	13 40 24.						Alaska.
		e_E	46 48.						
		e_N	46 52.						
		F	49 20.						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
81	July 19	eP	15 07 54.8					4645	Alaska.
		eS_E	14 18.						
		eS_N	14 20.						
		F	19 30.						
82	July 19	e	21 03 41.						
		F	09 30.						
83	July 20	P	23 17 08.4						Eastern off Kinkasan, Miyagi Prefecture.
		F	overlapped by Microseismus						
84	July 22	P	21 03 38.5					5145	Aleutian.
		S	10 28.5						
		eSR_{1N}	13 27.						
		eSR_{1E}	13 28.						
		eSR_2	15 41.						
		eL_E	17 08.						
		F	58 50?						
85	July 24	P	8 39 41.8				S 6.1	790	Southern off Vladivostock.
		S	41 07.4				W 2.0		
		F	47 20.						
86	July 28	eP_E	16 45 00.5					405?	WSW off the city of Wakayama.
		eS?	45 55.0						
		F	55 40.						
87	Aug. 11	eP_E	8 59 53.7					3325	North Burma.
		e_E	9 04 20.1						
		S_N	04 58.1						
		S_E	04 59.3						
		L	07 25.4						
		F	45 25.						
88	Aug. 15	P	3 01 20.3					1690	NNE off Titi-zima, the Bonin Islands.
		S	04 15.3						
		F	14 35.						
89	Aug. 20	P	11 50 08.3					2610	SE part of Luzon.
		S	54 22.3						
		L	56 46.3						
		F	Lost in next quake						
90	Aug. 20	P	12 11 09.3					2600	Ditto.
		S	15 22.3						
		F	26 20.						
91	Aug. 22	e	13 21 51.4						
		eF	29 50.						
92	Aug. 25	P	7 55 16.7			2.3	S 1.2	2350	Between Prov. of Szechuen and Kansu, China.

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		S	7 59 09.5				W 8.2		
		L	8 01 29.5						
		M_E	05 35.8		± 405	10.9			
		M_N	06 11.4	± 187		7.5			
		C	19 24.9						
		F	9 22 10.						
93	Aug. 27	P	23 42 19.7					28	Local.
		S	42 23.4						
		F	42 45.						
94	Aug. 28	P	22 39 36.1					2110?	South Atlantic Ocean.
		e	40 26.3						
		S?	43 09.4						
		L?	50 18.6						
	29	F	0 50 0.						
95	Aug. 29	P?	12 33 59.						SE off the mouth of the River Abukuma, Miyagi Prefecture.
		eF	39 30.						
96	Sept. 2	P	16 43 33.1					1130	Southern off the island of Hatizyô.
		S	45 34.1						
		M_E	45 57.7		+ 57	5.0			
		M_N	45 58.1	+ 42		5.4			
		C	55 28.1						
		F?	17 16 52.1						
97	Sept. 6	eP	22 19 17.4					7540	The Fiji Islands.
		e	21 18.4						
		S	28 14.4						
		F	55 —						
98	Sept. 9	P	5 04 39.9					965	Neighbourhood of Vladivostock.
		S	06 24.4						
		F	16 54.9						
99	Sept. 21	eP	3 16 12.5					760	The Strong Earthquake of Noto, Isikawa Prefecture.
		S	17 35.5						
		F	31 52.5						
100	Sept. 21	P	9 50 51.0						SE off Miyako, Iwate Prefecture.
		F	10 07 00.9						
101	Sept. 24	eP	15 27 24.3					3945	The Aleutian Islands.
		S	33 08.3						
		F	45						
102	Sept .25	eP	19 02 39.6					4945	Tibet.
		S	09 18.2						
		L	12 59.1						
		F	49 05 6						

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No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
103	Oct. 2	eL	15 52 23.6						The Pacific Ocean.
		eF	17 15 50.						
104	Oct. 3	P	18 40 56.0					1100	Central part of Niigata Prefecture.
		S	42 54.0						
		L_E	44 01.7						
		L_N	45 19.7						
		F	19 01 44.7						
105	Oct. 5	eP	13 53 57.3						Persia.
		eS?	57 07.1						
		eL?	14 01 16.5						
		F	19 42.1						
106	Oct. 9	eP	12 09 43.3						Upper valley of the River Dôsi, Kanagawa Prefecture.
		F	20						
107	Oct. 21	P	2 47 03.3					1190	SE off the cape of Nozima, Tiba Prefecture.
		S	49 10.7						
		L	51 47.9						
		F	3 08 00.7						
108	Nov. 5	eP	20 42 15.6						Mongolia?
		F	47 04.6						
109	Nov. 6	P	7 26 06.5					203	Middle coast of Zenrahokudô, Tyôsen.
		S	26 43.9						
		F	34 03.9						
110	Nov. 20	P	23 32 49.5					7940	Baffin Bay.
		S	42 06.5						
		L	53 39.5						
	21	F	0 51 10.5						
111	Nov. 22	eP	12 25 07.4						NW part of Amami-Oosima, Kagosima Prefecture.
		F	35						
112	Nov. 22	P	12 50 50.3					1430	The Bismark Islands.
		S	53 20.3						
		L	58 17.3						
		F	13 28 —						
113	Nov. 22	eP	19 01 33.5					1020	Vicinity of Amami-Oosima, Kagosima Prefecture,
		S	03 23.5						
		L	05 18.5						
		F	16						
114	Nov. 22	eP	22 33 44.0					1200	Ditto.
		S	35 52.0						
		L	38 36.0						
		F	59 —						

7. The Seismic Reports of Taikyû Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
115	Dec. 4	iP	19 37 23.5			3.1	E 4.3	1621	Eastern off the Sôya strait.
		S	40 11.6			3.6	N 6.9		
		i	48 41.9						
		F	20 02 18.						
116	Dec. 12	P	14 19 38.7					5025	New Britain.
		S	26 22.2						
		F	37 48.4						
117	Dec. 15	eP	20 59 14.4						Felt rather strongly at Zensyû, Tyôsen.
		eF	59 25.8						
118	Dec. 20	eP	14 53 34.3						Ditto.
		eF	53 57.5						

8. The Seismic Reports of Husan Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
1	Jan. 7	eP	4 09 57.6						NE off Miyako.
		eL?	12 36.6						
		eF	24 50.						
2	Jan. 16	eP	11 28 40.0						SW part of Waiyôgun, Kôgen-dô, Tyôsen.
		eF	29 50.						
3	Feb. 13	eL?	3 05 16.7						The Altai range.
		e	08 57.7						
		eF	18 06.7						
4	Mar. 2	P	17 34 02.5					1560	Strong earthquake off Sanriku. Great damage along Sanriku coast due to the tidal wave.
		S	36 45.5						
		F	19 13 00.						
5	Mar. 3	P	1 19 03.5					111	Middle valley of the River Sensin, Zenrahokudô, Tyôsen.
		S?	19 18.5						
		F	21 40.						
6	Mar. 8	eP	10 28 26.3					349	Iyo-nada, Ehime Prefecture.
		eS	29 13.3						
		eF	31 50.3						
7	Mar. 11	P	19 35 28.9						WNW off Titi-zima, the Bonin Islands.
		e	36 11.9						
		eF	39 50.9						
8	Mar 25	eP	12 51 03.7					275	Neighbourhood of Mt. Aso.
		S	51 40.7						
		F	56 07.7						
9	Apr. 19	P	6 47 41.7						Mouth of the River Daidakusui, Formosa.
		F	7 02 05.8						
10	June 2	P	7 39 55.7					650	Miyakonozyô, Miyazaki Prefecture.
		S	41 07.0						
		F	47 —						
11	June 3	P	17 10 55.9						Neighbourhood of Amami-Oosima, Kagosima Prefecture.
		eL	13 20.3						
		eF	17 30.						
12	June 18	P	21 40 28.					1190	Eastern off Kinkasan, Miyagi Prefecture.
		eS	42 35.						
		eL	44 08.						
		F	52 20.						
13	June 24	e	22 13 12.						Sumatra.
		e	21 27.						
		eF	45 00.						

8. The Seismic Reports of Husan Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
14	July 18	eP?	7 33 06.5					690	Off Vladivostock.
		S	34 04.5						
		L	34 39.5						
		F	40 00.6						
15	Aug. 25	e	8 00 00.	Time uncertain					Between Prov. of Szechuen and Kansu, China.
		L	05 —						
		F	36 —						
16	Sept. 2	P	16 42 56.5	Time uncertain				1040	Southern off the island of Hatizyô.
		S	44 48.5						
		F	55 44.5						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
1	Jan. 1	P	8 59 54.0					6500?	Africa ?
		P_CP_E	9 00 32.7						
		S_E?	07 57.4						
		S_CS_E?	08 59.7						
		eL_E?	18 12.						
		F	31 40.						
2	Jan. 3	P_E	15 30 18.5						ENE off Miyako.
		L_E	34 09.5						
		F	50 30.						
3	Jan. 4	eP_N	1 29 21.9					2400	SE off Titi-zima, the Bonin Islands.
		eP_E	29 23.1						
		S_N	33 18.5						
		S_E	33 20.8						
		eL_E	35 40.4						
		F	2 02 00						
4	Jan. 7	P	4 09 54.7						NE off Miyako.
		eL_E	13 08.5						
		M_{E1}	14 22.6		± 56	20			
		M_{E2}	16 09.5		± 25	15			
		M_N	16 51.3	+ 35		15			
		F	Lost during the change of record sheets.						
5	Jan. 8	eP_E	6 32 03.						Off the mouth of the River Mabuti, Aomori Prefecture.
		i_E	32 15.0						
		F	44 30.						
6	Jan. 16	P_E	11 27 15.1					153	SW part of Waiyôgun, Kôgendô, Tyôsen. Felt in the epicentral region.
		S_E	27 35.8						
		F	28 20.						
7	Jan. 21	P	16 38 14.6						
		F	44 00						
8	Jan. 21	eP_E	19 34 40.1						Indian Sea.
		e_E	38 37.0						
		e_E	44 56.4						
		e_E	47 24.9						
		e_E	52 43.4						
		M_E	18 54.						
		F	45 20.						
9	Feb. 3	P_E	22 16 20.4					2350	Northern off the island of Urupp, the Kurile Islands.
		S_E	20 13.1						
		eL_E?	23 14.5						
		F	41 —						
10	Feb. 13	eP_E	2 54 59.5						The Altai range.
		eL_E?	3 03 11.1						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
		F	h m s 3 50 —	μ	μ	s	μ	km	
11	Feb. 19	P	4 29 34.7						WSW off the island of Yonakuni.
		cE	33 07.1						
		L_E?	34 13.1						
		F	42 30.0						
12	Feb. 23	cP_E	8 28 54.1						Chile, Damage at Iquique.
		cE	33 17.3						
		cE	51 35.9						
		F	10 13 50.0						
13	Mar. 2	eP	17 34 21.5					1670	Strong earth quake off Sanriku, Great damage along Sanriku coast due to the tidal wave.
		iP	34 24.4						
		S_N	37 14.6						
		L	38 47.0						
		M_{N1}	39 40.3						
		M_{E1}	40 03.8						
		M_{NEZ}	41 13.0						
		C_N	55 40.0						
		F	Lost in next quake						
14	Mar. 2	P	19 44 58.2						After shock of No. 13
		F	Lost in principal quake						
15	Mar. 2	P	20 47 08.7					1450	Ditto.
		S	49 44.1						
		L_N	52 06.2						
		F	21 34 20.0						
16	Mar. 3	P	2 24 49.8						Philippine.
		F	41 20.0						
17	Mar. 3	P	9 16 07.9					1550	After shock of No. 13
		eS	18 50.2						
		L	20 02.2						
		F	Lost in next quake						
18	Mar. 3	P	9 41 58.1					1665	Ditto.
		eS_E	44 50.6						
		L	46 02.1						
		F	Lost in next quake						
19	Mar. 3	eS_E?	10 10 07.0						Ditto.
		L	11 32.0						
		F	35 20.0						
20	Mar. 8	P_E	1 38 55.9						Ditto.
		eL_E	42 41.2						
		F	58 —						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
21	Mar. 11	iP	19 36 16.9					1655	WNW off Titi-zima, the Bonin Islands.
		iS	39 08.4						
		F	20 09 50.0						
22	Mar. 17	eP	16 01 29.2					3155	The Aleutian Islands.
		eS	06 23.2						
		L	11 20.7						
		F	56 40.0						
23	Mar. 17	eP	19 39 30.6					3095	Mindanao.
		eS	44 20.6						
		L_E?	49 22.6						
		F	20 32 40.0						
24	Mar. 18	iP	15 54 33.9					1185	Southern off the island of Hatizyô.
		eS_E?	56 41.4						
		L_E	58 24.6						
		F	16 14 30.0						
25	Mar. 23	eP	17 42 14.4						Mongolia.
		e_E	43 19.8						
		e_E	45 34.6						
		i	47 12.9						
		L	48 33.1						
		F	18 07 30.0						
26	Mar. 25	eP_E	12 53 04.0					530	Neighbourhood of Mt. Aso.
		S	54 15.4						
		F	13 01 —						
27	Apr. 1	P	16 02 11.9					1416?	After shock of No. 13.
		eS_E?	04 40.5						
		L_E?	06 28.5						
		M	07 27.5						
		F	25 40.0						
28	Apr. 3	P_N?	1 46 20.4					121?	Local.
		L?	46 36.6						
		F	48 20.0						
29	Apr. 9	P_E	2 49 55.4					1320?	After shock of No. 13.
		S_E?	52 15.9						
		M_E	55 15.9		± 20	15.			
		F	3 26 —						
30	Apr. 19	iP	6 48 20.8					1730	Mouth of the River Daidakusui, Formosa.
		iS	51 19.9						
		L_N	53 22.3						
		M_E	53 30.3						
		C	55 21.7						
		F	7 28 —						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
31	Apr. 23	P	7 17 00.6						After shock of No. 13
		I_E	21 11.4						
		M_E	22 48.0		± 8	14.4			
		F	45 30.0						
32	Apr. 27	P	2 45 33.1					5855	Alaska.
		S	53 01.6						
		L_E	3 01 14.1						
		M_N	11 39.1						
		M_E	12 05.1		± 25	15.			
		F	4 10						
33	May 16	eP?	1 20 26.1					4175?	North Sumatra.
		S	26 23.6						
		L_E	32 26.2						
		M_E	37 34.6						
		F	2 19 30.0						
34	May 23	eL_E	16 41 24.0						Hyûga-nada, Miyazaki Prefecture.
		F	44 10.0						
35	May 23	L_E	16 56 44.1						Ditto.
		F	17 00 47.0						
36	June 2	P	7 41 04.3					1010	Miyakonozyô, Miyazaki Prefecture.
		S	42 53.3						
		F	8 04 40.						
37	June 3	P	17 11 56.8					1375?	Neighbourhood of Amami-Oosima, Kagosima Prefecture.
		S_E?	14 21.7						
		M_E	15 12.7						
		F	35 00.						
38	June 6	P	2 33 55.5						Philippine.
		F	49 40.						
39	June 7	P	11 51 27.7					2560	Burma.
		S_E	55 37.5						
		e	59 24.1						
		F	12 15 20.						
40	June 8	P_E	18 13 36.3						ENE off Miyako, Iwate Prefecture.
		F	23 30.						
41	June 12	P	21 11 10.3						Kisen-numa, Miyagi Prefecture.
		F	15 20.						
42	June 13	P_E	20 35 51.8						Eastern off the mouth of the River Mabuti, Aomori Prefecture.
		eL?	40 57.						
		F	45 50.						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
43	June 18	P	21 40 53.0					1390	Eastern off Kinkasan, Miyagi Prefecture.
		S_N	43 19.4						
		L_E	44 25.4						
		M_E	45 40.1						
		F	22 22 —						
44	June 24	P	22 03 27.4					6070	Sumatra.
		S	11 07.3						
		SR_1	14 31.						
		L	19 28.						
		M_E	25 54.4						
		M_N	27 50.0						
		F	23 18 —						
45	July 9	P	1 34 23.4					2320	SE off the island of Etorohu, the Kurile Islands.
		S	38 13.4						
		F	2 15 40.0						
46	July 9	P	12 35 05.8					2360	Ditto.
		S	38 59.8						
		L_E?	40 49.						
		F	13 34 —						
47	July 9	e	16 19 48.						Eastern off the cape of Nosy-appu, Hokkaidô district.
		F	25 50.						
48	July 10	P	0 25 01.7					1540?	Eastern off Kamaisi, Iwate Prefecture.
		eS_N?	27 43.						
		eL_E?	29 09.						
		F	53 —						
49	July 14	P	16 05 14.6					725	Off Vladivostock.
		S	06 34.1						
		F	14 —						
50	July 18	eS_N?	11 27 34?						Ditto.
		F	12 47 —						
51	July 20	P	23 17 27.8						Eastern off Kinkasan, Miyagi Prefecture.
		F	Lost during the change of record scheets.						
52	July 22	eP	21 03 39.6					4845	Aleutian.
		eS_E	10 13.5						
		eSR_{1E}?	13 41.						
		F	22 07 50.						
53	July 24	P	8 39 29.3					690	Southern off Vladivostock.
		S_E	40 45.5						
		F	49 20.						
54	July 28	eP_E?	16 47 34.8					1450?	WSW off Wakayama.

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
		eSE?	16 50 07.3						
		F	59 30.						
55	Aug. 11	P	8 59 20.9					2560?	North Burma.
		SE?	9 03 30.5						
		LE	07 44.0						
		F	36 30.0						
56	Aug. 15	iPE	3 02 04.9						NNE off Titi-zima, the Bonin Islands.
		eE	05 27.4						
		F	19 30.0						
57	Aug. 25	P	7 54 57.4					2170	Between Prov. of Szechuen and Kansu, China.
		S	58 35.5						
		L	8 01 17.2						
		M_{N1}	01 51.4						
		M_{E1}	03 18.4						
		M_{N2}	03 38.2						
		M_{E2}	04 47.2						
		CE	11 17.2						
		F	9 11 20.0						
58	Aug. 28	P	22 36 38.2						South At'antic Ocean.
		eE	41 16.3						
		eE	43 03.1						
		F	23 01 10.0						
59	Sept. 2	P	16 44 21.8					1375	Southern off the island of Hatizyô.
		S	46 47.0						
		i	55 39.2						
		F	17 04 34.1						
60	Sept. 6	P	22 19 38.5						The Fiji Islands.
		F	23 01 —						
61	Sept. 9	P	5 01 18.3					790	Neighbourhood of Vladivostock.
		S	5 44.7						
		M	5 52.5						
		F	30 —						
62	Sept. 21	P	3 16 45.5					1108	The strong Earthquake of Noto, Isikawa Prefecture.
		S	18 44.3						
		L	19 54.5						
		M	21 16.1						
		F	39 40.0						
63	Sept. 21	P	9 51 03.9					1064	SE off Miyako, Iwate Prefecture.
		S	52 58.3						
		L	55 06.3						
		M	56 58.3						
		F	15 39.3						

9. The Seismic Reports of Heizyô Meteorological Observatory in the Year 1933.

No.	Date	Phase	G. M. T.	Amplitude A_N	Amplitude A_E	Period	First motion	Δ	Remarks
			h m s	μ	μ	s	μ	km	
64	Sept. 25	P	18 57 38.8					3420	Tibet.
		S	19 02 50.8						
		L	07 24.4						
		F	39 36.0						
65	Oct. 3	P_E	18 41 25.0					1084	Central part of Niigata Prefecture.
		eS_E	43 21.4						
		L_E	44 43.6						
		M_E	45 37.0						
		F	19 05 25.0						
66	Oct. 14	P	7 50 28.7					196	Local.
		L	50 55.1						
		F	55 10.1						
67	Nov. 20	iP	14 18 21.8				N 5? W 4	11	Felt slightly at Heizyô.
		iS	18 23.3						
		M_E	18 23.9		± 7				
		F	19 05.3						
68	Nov. 20	iP_N	23 32 30.5					7900	Baffin Bay.
		eS_E	41 45.5						
		iL_E	52 45.5						
	21	M_E	0 03 42.5		± 20	17.5			
		M_N	07 33.5	— 30		13.5			
		F	49 30.0						
69	Nov. 22	eP_E	12 26 49.8						NW part of Amami-Oosima, Kagosima Prefecture.
		F	32 23.0						
70	Nov. 22	eP_E	19 04 50.4						
		F	14 17.0						
71	Nov. 22	eP_E	22 36 38.0						Vicinity of Amami-Oosima Kagosima Prefecture.
		F	48 59.0						
72	Dec. 4	iP	19 37 20.1				N 1.4 E 4.	1620	Eastern off the Sôya strait.
		iS_E	40 08.1						
		M_E	40 12.6						
		F	20 01 38.0						

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（仁川）

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