

THE
SEISMOLOGICAL
BULLETIN
OF
THE HUKUOKA METEOROLOGICAL OBSERVATORY
OF
JAPAN

VOL. I. NO. 4.

FROM JANUARY TO DECEMBER, 1930.

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THE HUKUOKA METEOROLOGICAL OBSERVATORY

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Constants

Position of Observatory :

Longitude :130° 25'4 E
 Latitude :33° 34'8 N
 Height from mean sea level :4.3 m
 Underground :Alluvium.

Seismographs :

| Apparatus | Component | T_0 | $\frac{r}{T_0^2}$ | V |
|-------------------------------------|-----------|-------|-------------------|-----|
| Omori's Horizontal Seismograph 15kg | E-W | 22 | 0.013 | 20 |
| Omori's Tromometer 47kg | N-S | 15 | 0.077 | 120 |

Symbols and Notations

1. Phases of the seismogram.

P = First preliminary tremors (longitudinal).

\bar{P} = Individual, or upper first preliminary tremors.

PR_n = Longitudinal waves n times reflected at the earth's surface.

S = Second preliminary tremors (transverse).

\bar{S} = Individual, or upper second preliminary tremors.

SR_n = Transverse waves n times reflected at the earth's surface.

PS = Waves changed from longitudinal to transverse oscillation,
or vice versa, through reflection at the earth's surface.

L = Long waves at the beginning of the surface phase.

M = Maximum Amplitude in principal phase.

C = Waves of the tail or end portion.

F = End of discernible movements.

2. Nature of the motion.

i = Sudden beginning of the motion.

e = Gradual beginning of the motion.

A = Amplitude of the earth's motion in microns.

A_E = E-W component of A.

A_N = N-S component of A.

Period = Time of one complete oscillation.

3. Distance of epicenter.

Δ = Distance of epicenter; for the near earthquakes calculated by the Omori's formula

$\Delta = 7.42t$, and for the distant earthquakes by the Wiechert's, Zoeppritz's and Zeissig's time distance curve.

4. Time used. Greenwich mean civil time is adopted for all determinations.

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|-----------------|------|----|----|--------|----------------|----------------|------|-----------------------------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 1 | Jan. 2 | P | 2 | 57 | 52 | 0.5 | | +10 | 83 | Eastern coast of Simabara peninsula. |
| | | S | 2 | 58 | 03 | | | | | |
| | | M _N | 2 | 58 | 06 | | | | | |
| | | F | 2 | 59 | 20 | | | | | |
| 2 | Jan. 5 | P | 1 | 24 | 51 | | | | 2550 | In Kamtchatka. |
| | | S | 1 | 29 | 00 | | | | | |
| | | F | 1 | 45 | ± | | | | | |
| 3 | Jan. 10 | P | 18 | 14 | 57 | 3.0 | -70 | | 242 | Southern part of Hiuga-nada. Felt at Miyazaki. |
| | | S | 18 | 15 | 30 | | | | | |
| | | M _E | 18 | 15 | 33 | | | | | |
| | | M _N | 18 | 15 | 54 | | | | | |
| | | F | 18 | 21 | 10 | | | | | |
| 4 | Jan. 14 | P _N | 23 | 48 | 08 | 0.7 | | ±10 | 96 | In the Tidiwa bay. |
| | | S _N | 23 | 48 | 21 | | | | | |
| | | M _N | 23 | 48 | 23 | | | | | |
| | | F _N | 23 | 49 | 30 | | | | | |
| 5 | Jan. 25 | eP _N | 2 | 34 | 58 | | | | 150 | Off the mouth of River Gokase, Miyazaki prefecture. |
| | | S _N | 2 | 35 | 19 | | | | | |
| | | F _N | 2 | 36 | 30 | | | | | |
| 6 | Feb. 5 | P̄ | 13 | 28 | 25 | 0.5 | -2725 | | 22 | Near Raizan, Itosima district, Hukuoka prefecture. Strong shock was felt at the epicentral regions. |
| | | S̄ | 13 | 28 | 28 | | | | | |
| | | M _E | 13 | 28 | 29 | | | | | |
| | | M _N | 13 | 28 | 28 | | | | | |
| | | F | 13 | 33 | 30 | | | | | |
| 7 | Feb. 5 | P̄ | 13 | 31 | 47 | 0.4 | | ±8 | 19 | After shock of No. 6. Felt at Maebaru, Itosima district. |
| | | S̄ | 13 | 31 | 50 | | | | | |
| | | M _N | 13 | 31 | 50 | | | | | |
| | | F | 13 | 32 | 10 | | | | | |
| 8 | Feb. 5 | P̄ _N | 13 | 49 | 05 | 0.4 | | | 18 | Ditto. Felt at southern part of Sahara district, Hukuoka prefecture. |
| | | S̄ _N | 13 | 49 | 08 | | | | | |
| | | M _N | 13 | 49 | 08 | | | | | |
| | | F _N | 13 | 49 | 20 | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|---------|-------------|------|----|----|--------|-----------|-----------|----------|-------------------------------------------------------------|
| | | | G. | M. | T. | | A_E | A_N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 9 | Feb. 7 | \bar{S}_N | 3 | 23 | 01 | < 0.5 | | -10 | - | After shock of No. 6. |
| | | M_N | 3 | 23 | 01 | | | | | |
| | | F_N | 3 | 23 | 17 | | | | | |
| 10 | Feb. 7 | \bar{S}_N | 3 | 27 | 14 | < 0.5 | | +7 | - | Ditto. |
| | | M_N | 3 | 27 | 14 | | | | | |
| | | F_N | 3 | 27 | 34 | | | | | |
| 11 | Feb. 7 | \bar{P} | 3 | 34 | 42 | 0.5 | -1150 | > 625 | 23 | Ditto. Felt at all places in Hukuoka prefecture. |
| | | \bar{S} | 3 | 34 | 45 | | | | | |
| | | M_E | 3 | 34 | 45 | | | | | |
| | | M_N | 3 | 34 | 46 | | | | | |
| | | F | | | | | | | | |
| 12 | Feb. 7 | \bar{P} | 3 | 37 | 08 | 0.5 | -85 | ± 100 | 22 | Ditto. Felt at Hukuoka slightly. |
| | | \bar{S} | 3 | 37 | 11 | | | | | |
| | | M_E | 3 | 37 | 11 | | | | | |
| | | M_N | 3 | 37 | 11 | | | | | |
| | | F | 3 | 38 | 50 | | | | | |
| 13 | Feb. 7 | \bar{P} | 4 | 00 | 10 | 0.5 | | -16 | 18 | Ditto. |
| | | \bar{S} | 4 | 00 | 13 | | | | | |
| | | M_N | 4 | 00 | 13 | | | | | |
| | | F | 4 | 00 | 40 | | | | | |
| 14 | Feb. 10 | \bar{P} | 16 | 29 | 19 | 0.6 | -330 | -283 | 19 | Ditto. Felt at Hukuoka slightly. |
| | | \bar{S} | 16 | 29 | 22 | | | | | |
| | | M_E | 16 | 29 | 22 | | | | | |
| | | M_N | 16 | 29 | 23 | | | | | |
| | | F | 16 | 30 | 30 | | | | | |
| 15 | Feb. 11 | eP | 0 | 13 | 12 | 5.9 | +20 | +25 | 394 | Off the mouth of River Kii-gawa, Wakayama prefecture. |
| | | S | 0 | 14 | 05 | | | | | |
| | | M_E | 0 | 14 | 49 | | | | | |
| | | M_N | 0 | 14 | 19 | | | | | |
| | | F | 0 | 19 | 10 | | | | | |
| 16 | Feb. 15 | P | 10 | 54 | 41 | | | | 77 | Upper course of River Kikuti, Kumamoto prefecture. |
| | | S | 10 | 54 | 51 | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|----------------|---------|----------------|------|----|----|--------|----------------|----------------|------------------------------|-------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 17 | Feb. 18 | M _N | 10 | 54 | 51 | 0.4 | | +7 | 22 | Near Raizan, Itosima district, Hukuoka prefecture. |
| | | F | 10 | 55 | 30 | | | | | |
| | | P̄ | 8 | 15 | 11 | 0.4 | | ±17 | | |
| | | S̄ | 8 | 15 | 14 | | | | | |
| M _N | 8 | 15 | 14 | | | | | | | |
| F | 8 | 15 | 35 | | | | | | | |
| 18 | Feb. 23 | P̄ | 12 | 27 | 04 | 0.5 | | ±25 | 22 | Ditto. Slight shock was felt at Hukuoka |
| | | S̄ | 12 | 27 | 07 | | | | | |
| | | M _N | 12 | 27 | 08 | | | | | |
| | | F | 12 | 27 | 35 | | | | | |
| 19 | Feb. 27 | P | 12 | 11 | 48 | 1.2 | | -8 | 200 | In the Hiuga-nada. |
| | | S | 12 | 12 | 15 | | | | | |
| | | M _N | 12 | 12 | 17 | | | | | |
| | | F | 12 | 13 | 35 | | | | | |
| 20 | Feb. 28 | P̄ | 15 | 36 | 43 | 0.4 | | -13 | 19 | Near Raizan, Hukuoka prefecture. |
| | | S̄ | 15 | 36 | 45 | | | | | |
| | | M _N | 15 | 36 | 45 | | | | | |
| | | F | 15 | 37 | 03 | | | | | |
| 21 | Feb. 28 | P̄ | 17 | 39 | 56 | 0.5 | | ±5 | 18 | Ditto, |
| | | S̄ | 17 | 39 | 59 | | | | | |
| | | M _N | 17 | 39 | 59 | | | | | |
| | | F | 17 | 40 | 05 | | | | | |
| 22 | Mar. 6 | eP | 3 | 33 | 55 | 7.0 | -35 | | 835 | NNW. far off Bonin Is. |
| | | S | 3 | 35 | 47 | | | | | |
| | | M _E | 3 | 35 | 53 | | | | | |
| | | M _N | 3 | 36 | 13 | | | | | |
| | | F | 3 | 40 | 50 | | | | | |
| 23 | Mar. 10 | P | 16 | 31 | 35 | 4.5 | | +10 | 1900 | E. off Kitasiretoko promontory. |
| | | S | 16 | 34 | 49 | | | | | |
| | | F | 16 | 46 | 30 | | | | | |
| 24 | Mar. 19 | eP | 15 | 30 | 24 | | | 201 | Southern part of Hiuga-nada. | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|---------|----------------|------|----|----|--------|----------------|----------------|----------|---------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 25 | Mar. 22 | S | 15 | 30 | 51 | | | | | Felt at Miyazaki slightly. |
| | | F | 15 | 32 | 20 | | | | | |
| | | eP | 8 | 52 | 29 | | | | 853 | Off Itô, Idu province. Strong shock was felt at Itô. |
| | | S | 8 | 54 | 24 | | | | | |
| | | M _E | 8 | 55 | 54 | 6.0 | -23 | | | |
| | | M _N | 8 | 55 | 04 | 8.4 | | -23 | | |
| F | 9 | 09 | 30 | | | | | | | |
| 26 | Mar. 22 | P _N | 22 | 10 | 35 | | | | 80 | In the Tidiwa-nada. |
| | | S _N | 22 | 10 | 46 | | | | | |
| | | M _N | 22 | 10 | 48 | 0.5 | | -5 | | |
| | | F _N | 22 | 11 | 35 | | | | | |
| 27 | Mar. 26 | P | 7 | 19 | 42 | | | | 5290 | In the South Sea. |
| | | S | 7 | 25 | 46 | | | | | |
| | | L | 7 | 29 | 22 | | | | | |
| | | M _E | 7 | 31 | 39 | 16.3 | -19 | | | |
| | | F | 8 | 10 | — | | | | | |
| 28 | Mar. 26 | P | 19 | 12 | 07 | | | | 145 | In the Iyo-nada. |
| | | S | 19 | 12 | 27 | | | | | |
| | | F | 19 | 13 | 30 | | | | | |
| 29 | Mar. 30 | P | 20 | 09 | 47 | | | +4 | 133 | Northern part of Bungo channel. |
| | | S | 20 | 10 | 05 | | | | | |
| | | M _E | 20 | 10 | 06 | 0.6 | +50 | | | |
| | | M _N | 20 | 10 | 06 | 0.9 | | +41 | | |
| | | F | 20 | 12 | 15 | | | | | |
| 30 | Apr. 19 | P _N | 4 | 31 | 30 | | | | 86 | In the Tidiwa bay. |
| | | S _N | 4 | 31 | 42 | | | | | |
| | | M _N | 4 | 31 | 43 | 0.4 | | +7 | | |
| | | F _N | 4 | 32 | 10 | | | | | |
| 31 | Apr. 19 | P _N | 5 | 09 | 59 | | | | 88 | After shock of No. 30. |
| | | S _N | 5 | 10 | 11 | | | | | |
| | | F _N | 5 | 10 | 35 | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|-----------------|------|----|----|--------|----------------|----------------|------|--------------------------------------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 32 | Apr. 19 | P _N | 5 | 39 | 54 | | | | 88 | After shock of No. 30. |
| | | S _N | 5 | 40 | 06 | | | | | |
| | | F _N | 5 | 40 | 20 | | | | | |
| 33 | Apr. 23 | P | 21 | 53 | 24 | | | | 2230 | SE. off Kunasiri island, Hokkaidô. |
| | | S | 21 | 57 | 07 | | | | | |
| | | M _E | 22 | 03 | 08 | 17.4 | +188 | | | |
| | | M _N | 22 | 02 | 58 | 16.3 | | +43 | | |
| | | F | 22 | 31 | — | | | | | |
| 34 | Apr. 25 | P | 9 | 16 | 17 | | | | 94 | Off the mouth of River Yorumo, Ôita prefecture. Slight shock was felt at eastern part of Hukuoka prefecture. |
| | | S | 9 | 16 | 29 | | | | | |
| | | M _N | 9 | 16 | 36 | 4.8 | | +42 | | |
| | | F | 9 | 19 | 50 | | | | | |
| 35 | Apr. 25 | P | 12 | 31 | 55 | | | | 101 | Near Ôita. Felt at eastern part of Hukuoka prefecture. |
| | | S | 12 | 32 | 08 | | | | | |
| | | M _N | 12 | 32 | 16 | 4.4 | | -4.3 | | |
| | | F | 12 | 34 | 10 | | | | | |
| 36 | Apr. 25 | P _N | 12 | 58 | 07 | | | | 94 | After shock of No. 35. |
| | | eS _N | 12 | 58 | 19 | | | | | |
| | | F _N | 12 | 58 | 55 | | | | | |
| 37 | Apr. 25 | P _N | 14 | 17 | 26 | | | | 84 | Ditto. |
| | | S _N | 14 | 17 | 37 | | | | | |
| | | F _N | 14 | 18 | 35 | | | | | |
| 38 | Apr. 26 | P | 16 | 25 | 42 | | | | 4410 | In the Okhotsk sea. S and L phases not distinct. △ doubtful. |
| | | e(S?) | 16 | 31 | 53 | | | | | |
| | | e(L?) | 16 | 35 | 47 | | | | | |
| | | F | 17 | 06 | — | | | | | |
| 39 | Apr. 28 | e | 18 | 46 | 02 | | | | — | In the South Sea. All phases not distinct. |
| | | e(L?) | 18 | 49 | 24 | | | | | |
| | | M _N | 18 | 51 | 12 | 11.8 | | -10 | | |
| | | F | 19 | 05 | — | | | | | |
| 40 | May 1 | P | 1 | 00 | 05 | | | | 968 | Near Tyôsi, Tiba prefecture. |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|--------|----------|------|----|----|--------|-----------|-----------|----------|-------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A_E | A_N | | |
| | | | h | m | s | s | μ | μ | km. | |
| | | L | 1 | 02 | 15 | | | | | Strong shock was felt at Tyôsi, Tôkyo and Kakioka. |
| | | M_E | 1 | 03 | 16 | 6.0 | -60 | | | |
| | | M_N | 1 | 03 | 04 | 7.2 | | -150 | | |
| | | F | 1 | 14 | 00 | | | | | |
| 41 | May 1 | eL | 4 | 25 | 00 | 6.0 | | -14 | - | After shock of No. 40. |
| | | M_N | 4 | 25 | 10 | | | | | |
| | | F | 4 | 28 | 00 | | | | | |
| 42 | May 5 | eP | 13 | 52 | 00 | | | | 4390 | Near Rangoon, Burma. Very strong shock was felt at the epicentral regions. |
| | | S | 13 | 58 | 10 | | | | | |
| | | L | 14 | 04 | 36 | | | | | |
| | | M_{E1} | 14 | 08 | 55 | 17.0 | +1170 | | | |
| | | M_{E2} | 14 | 14 | 08 | 17.0 | ± 620 | | | |
| | | M_{E3} | 14 | 21 | 38 | 18.5 | +750 | | | |
| | | M_N | 14 | 05 | 07 | 13.4 | | >900 | | |
| 43 | May 6 | e(P?) | 22 | 45 | 22 | | | | 7570 | In Persia? P and L phases not distinct. |
| | | S | 22 | 54 | 21 | | | | | |
| | | e(L?) | 23 | 04 | 45 | | | | | |
| | | M_E | 23 | 17 | 30 | 17.0 | +90 | | | |
| | | M_N | 23 | 15 | 12 | 23.3 | | ± 100 | | |
| | | F | 23 | 50 | - | | | | | |
| 44 | May 16 | P | 20 | 16 | 06 | | | | 842 | Off Itô, Idu province. |
| | | S | 20 | 17 | 59 | | | | | |
| | | M_N | 20 | 18 | 40 | 6.2 | | +18 | | |
| | | F | 20 | 24 | 00 | | | | | |
| 45 | May 19 | eS | 3 | 58 | 49 | | | | - | N. off Naze, Kagosima prefecture. P phase could not be distinguished. |
| | | F | 4 | 01 | 30 | | | | | |
| 46 | May 19 | P | 15 | 07 | 16 | | | | 1550 | Upper valley of River Pinantaikei, Formosa. |
| | | S | 15 | 09 | 58 | | | | | |
| | | M_E | 15 | 10 | 19 | 7.9 | +31 | | | |
| | | M_N | 15 | 11 | 43 | 6.7 | | -15 | | |
| | | F | 15 | 18 | 15 | | | | | |

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|-----|---------|----------------|------|----|----|--------------|----------------|----------------|------|-------------------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 47 | May 23 | P̄ | 12 | 54 | 07 | 0.3 | ±5 | | 18 | Near Raizan, Itosima district, Hukuoka prefecture. |
| | | S̄ | 12 | 54 | 09 | | | | | |
| | | M _N | 12 | 54 | 10 | | | | | |
| | | F | 12 | 54 | 30 | | | | | |
| 48 | May 23 | P̄ | 13 | 00 | 40 | 0.4 | -7 | | 19 | Ditto. Slight shock was felt at Hukuyosi and Irube. |
| | | S̄ | 13 | 00 | 43 | | | | | |
| | | M _N | 13 | 00 | 43 | | | | | |
| | | F | 13 | 01 | 05 | | | | | |
| 49 | May 23 | P | 16 | 39 | 58 | 5.0 9.6 | -26 -82 | | 837 | SE. off Ōsima, Idu province. |
| | | e | 16 | 41 | 29 | | | | | |
| | | L | 16 | 41 | 51 | | | | | |
| | | M _E | 16 | 43 | 05 | | | | | |
| | | M _N | 16 | 41 | 56 | | | | | |
| | | F | 16 | 56 | 00 | | | | | |
| 50 | May 25 | P̄ | 14 | 51 | 50 | <0.5 0.4 | +75 +55 | | 17 | Near Raizan, Hukuoka prefecture. Felt at Hukuoka slightly. |
| | | S̄ | 14 | 51 | 52 | | | | | |
| | | M _E | 14 | 51 | 52 | | | | | |
| | | M _N | 14 | 51 | 52 | | | | | |
| | | F | 14 | 53 | 30 | | | | | |
| 51 | May 31 | P | 18 | 00 | 32 | 6.5 7.6 | -35 -96 | | 1059 | Lower course of River Naka, Ibaraki prefecture. Felt at Kwanto, Tōhoku and central Japan. |
| | | e | 18 | 02 | 31 | | | | | |
| | | L | 18 | 02 | 55 | | | | | |
| | | M _E | 18 | 03 | 44 | | | | | |
| | | M _N | 18 | 03 | 17 | | | | | |
| | | C | 18 | 05 | 12 | | | | | |
| | | F | 18 | 15 | 30 | | | | | |
| 52 | June 4 | P | 9 | 57 | 35 | | | | 3740 | In the South Sea. |
| | | eS | 10 | 03 | 07 | | | | | |
| | | F | 10 | 11 | — | | | | | |
| 53 | June 11 | iP | 0 | 57 | 46 | 24.0 20.4 | +74 +24 | | 4650 | Ditto. |
| | | S | 1 | 04 | 09 | | | | | |
| | | M _E | 1 | 12 | 11 | | | | | |
| | | M _N | 1 | 13 | 48 | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|---------|------------------|------|----|----|--------|-----------|---------|----------|------------------------------------------------------------------|
| | | | G. | M. | T. | | A_E | A_N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 54 | June 12 | F | 1 | 24 | — | | | | | |
| | | \bar{P} | 1 | 49 | 22 | | | | 23 | Near Raizan, Hukuoka prefecture. Felt at Maebaru slightly. |
| | | \bar{S} | 1 | 49 | 25 | | | | | |
| | | M_E | 1 | 49 | 25 | 0.4 | +28 | | | |
| | | M_N | 1 | 49 | 25 | 0.4 | | ± 9 | | |
| F | 1 | 49 | 35 | | | | | | | |
| 55 | June 14 | P | 9 | 25 | 00 | | | | — | In the Tidiwa bay. |
| | | F | 9 | 26 | 00 | | | | | |
| 56 | June 18 | eP | 20 | 46 | 18 | | | | 241 | E. off Miyazaki. |
| | | S | 20 | 46 | 51 | | | | | |
| | | M_E | 20 | 46 | 57 | 0.8 | +8 | | | |
| | | M_N | 20 | 46 | 59 | 1.4 | | -10 | | |
| | | F | 20 | 49 | 30 | | | | | |
| 57 | June 21 | eP | 9 | 48 | 03 | | | | 235 | Ditto. |
| | | \bar{P} | 9 | 48 | 07 | | | | | |
| | | iS | 9 | 48 | 34 | | | | | |
| | | M_N | 9 | 48 | 40 | 1.4 | | +25 | | |
| | | C | 9 | 49 | 21 | | | | | |
| | | F | 9 | 50 | 40 | | | | | |
| 58 | July 2 | P | 21 | 10 | 42 | | | | 3775 | In the South Sea. |
| | | ePR ₁ | 21 | 11 | 58 | | | | | |
| | | S | 21 | 16 | 16 | | | | | |
| | | eSR ₁ | 21 | 18 | 48 | | | | | |
| | | L | 21 | 20 | 25 | | | | | |
| | | M_E | 21 | 27 | 12 | 16.5 | +1025 | | | |
| | | M_N | 21 | 24 | 34 | 15.6 | | -790 | | |
| | | F | 21 | 55 | — | | | | | |
| 59 | July 13 | eP? | 19 | 30 | 20 | | | | — | All phases not distinct. Epicenter unknown. |
| | | eL? | 19 | 41 | 25 | | | | | |
| | | M_E | 19 | 42 | 18 | 16.1 | ± 25 | | | |
| | | M_N | 19 | 42 | 18 | 15.1 | | -12 | | |
| | | F | 19 | 59 | — | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|-----------------|------|----|----|--------|----------------|----------------|------|----------------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 60 | July 18 | eP | 9 | 42 | 59 | | | | 79 | Upper course of River Sira-kawa, Kumamoto prefecture. |
| | | S | 9 | 43 | 10 | | | | | |
| | | F | 9 | 43 | 40 | | | | | |
| 61 | July 18 | iP | 10 | 22 | 14 | | -6 | +2 | 81 | Ditto. |
| | | iS | 10 | 22 | 25 | | | | | |
| | | M _E | 10 | 22 | 29 | 0.4 | +50 | | | |
| | | M _N | 10 | 22 | 25 | 0.6 | | -56 | | |
| | | C | 10 | 22 | 42 | | | | | |
| | | F | 10 | 23 | 45 | | | | | |
| 62 | July 18 | P | 10 | 24 | 26 | | | | 77 | Ditto. Small amplitudes. |
| | | S | 10 | 24 | 36 | | | | | |
| | | F | 10 | 24 | 57 | | | | | |
| 63 | July 20 | S | 2 | 20 | 55 | | | | — | Ditto. |
| | | F | 2 | 21 | 10 | | | | | |
| 64 | July 22 | P | 19 | 29 | 50 | | | | 1910 | SE. off Iturup island, Tisima islands. |
| | | S | 19 | 33 | 05 | | | | | |
| | | F | 19 | 47 | — | | | | | |
| 65 | July 24 | P̄ | 17 | 10 | 22 | | | | 19 | Near Raizan, Hukuoka prefecture. Felt at Magarihuti, Irube and Hukuyosi. |
| | | S̄ | 17 | 10 | 24 | | | | | |
| | | M _E | 17 | 10 | 25 | 0.3 | +20 | | | |
| | | F | 17 | 10 | 36 | | | | | |
| 66 | Aug. 17 | P | 9 | 30 | 47 | | | | 858 | Northern part of Uruga channel. Strong shock was felt at the coast of Tokyo bay. |
| | | S | 9 | 32 | 43 | | | | | |
| | | M _E | 9 | 33 | 31 | 2.9 | -10 | | | |
| | | M _N | 9 | 33 | 11 | 3.0 | | -8 | | |
| | | F | 9 | 38 | — | | | | | |
| 67 | Aug. 20 | iP | 20 | 56 | 56 | | | +8 | 1470 | W. off Yonakuni-zima island, Okinawa prefecture. |
| | | S | 20 | 59 | 30 | | | | | |
| | | eL | 21 | 00 | 05 | | | | | |
| | | M _{E1} | 21 | 01 | 10 | 19.5 | ±800 | | | |
| | | M _{I2} | 21 | 03 | 07 | 15.5 | +800 | | | |
| | | M _N | 21 | 02 | 38 | 14.9 | | -452 | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|----------|---------------------------------------|------|----|-----|--------|----------------|----------------|----------|-----------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 68 | Sept. 21 | C | 21 | 06 | 52 | | | | | The Himalayas? |
| | | F | 21 | 27 | — | | | | | |
| | | eP | 23 | 09 | —10 | | | | | |
| | | eS | 23 | 14 | 28 | | | | | |
| | | eL | 23 | 19 | 47 | | | | | |
| | | M _E | 23 | 22 | 33 | 16.4 | +363 | | | |
| | | M _N | 23 | 20 | 20 | 20.4 | | +82 | | |
| 69 | Sept. 29 | F | 23 | 51 | — | | | | | In the Kagosima bay. |
| | | iP | 4 | 53 | 16 | | +6 | +8 | 312 | |
| | | eS | 4 | 53 | 58 | | | | | |
| | | M _N | 4 | 54 | 10 | 2.9 | | —6 | | |
| 70 | Oct. 16 | F | 4 | 59 | 30 | | | | | Near Taisyôzi, Isikawa prefecture. |
| | | P | 21 | 33 | 55 | | | | 592 | |
| | | S | 21 | 35 | 15 | | | | | |
| | | M _N | 21 | 35 | 25 | 2.8 | | +8 | | |
| 71 | Oct. 16 | F | 21 | 37 | 25 | | | | | Ditto. Very strong shock was felt at the epicentral regions. |
| | | P | 21 | 37 | 28 | | | | 619 | |
| | | S | 21 | 38 | 51 | | | | | |
| | | M _E | 21 | 38 | 56 | 2.9 | +75 | | | |
| | | M _N | 21 | 39 | 00 | 3.4 | | —92 | | |
| 72 | Oct. 21 | F | 21 | 47 | 30 | | | | | N. off Misaki peninsula, Ehime prefecture. |
| | | P | 5 | 25 | 45 | | —5 | —4 | 145 | |
| | | S | 5 | 26 | 04 | | | | | |
| | | M _E | 5 | 26 | 07 | 0.7 | +15 | | | |
| | | M _N | 5 | 26 | 08 | 0.5 | | +11 | | |
| 73 | Oct. 24 | F | 5 | 27 | 40 | | | | | Neighbouring sea of Mariana Is, South Sea. |
| | | iP | 20 | 19 | 54 | | +8 | —4 | 2330 | |
| | | iPR ₁ orPR ₂ | 20 | 20 | 26 | 4.8 | +75 | —60 | | |
| | | iS | 20 | 23 | 45 | | | | | |
| | | M _{E1} | 20 | 23 | 56 | 6.0 | +735 | | | |
| | | M _{E2} | 20 | 26 | 29 | 23.4 | —495 | | | |
| | | M _N | 20 | 24 | 08 | 13.0 | | +727 | | |
| F | 21 | 16 | — | | | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|------------------|------|----|----|--------|----------------|----------------|------|-------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 74 | Oct. 28 | eP | 21 | 15 | 05 | 20.0 | +28 | | 2370 | Neighbouring sea of Mariana Is, South Sea. |
| | | S | 21 | 19 | 00 | | | | | |
| | | L | 21 | 21 | 12 | | | | | |
| | | M _E | 21 | 22 | 12 | | | | | |
| | | C | 21 | 25 | 25 | | | | | |
| | | F | 21 | 37 | — | | | | | |
| 75 | Nov. 9 | eP | 19 | 15 | 31 | 23.7 | ±38 | | 3470 | In the South Sea. |
| | | eS | 19 | 20 | 46 | | | | | |
| | | eL | 19 | 22 | 46 | | | | | |
| | | M _E | 19 | 23 | 57 | | | | | |
| | | F | 19 | 55 | — | | | | | |
| 76 | Nov. 10 | e(P?) | 13 | 51 | 08 | | | | — | Ditto. All phases not distinct. |
| | | e(S?) | 13 | 56 | 57 | | | | | |
| | | F | 14 | 21 | — | | | | | |
| 77 | Nov. 11 | iP | 8 | 32 | 30 | 6.8 | ±15 | | 949 | NW. off Yonakuni-zima island, Okinawa prefecture. |
| | | S | 8 | 34 | 38 | | | | | |
| | | M _E | 8 | 34 | 48 | | | | | |
| | | M _N | 8 | 34 | 44 | | | | | |
| | | F | 8 | 43 | — | | | | | |
| 78 | Nov. 17 | P | 15 | 16 | 24 | 0.5 | | | 252 | Upper course of River Gōnōgawa, Hiroshima prefecture. |
| | | P [*] ? | 15 | 16 | 26 | | | | | |
| | | P̄ | 15 | 16 | 28 | | | | | |
| | | S | 15 | 16 | 58 | | | | | |
| | | M _E | 15 | 17 | 06 | | | | | |
| | | M _N | 15 | 17 | 11 | | | | | |
| | | F | 15 | 19 | 30 | | | | | |
| 79 | Nov. 25 | P | 19 | 04 | 37 | 15.0 | -7400 | | 888 | Northern part of Idu province. Felt at epicentral regions Disastrously. |
| | | e | 19 | 06 | 18 | | | | | |
| | | L | 19 | 06 | 37 | | | | | |
| | | M _E | 19 | 08 | 29 | | | | | |
| | | M _N | 19 | 06 | 41 | | | | | |
| | | F | 20 | 05 | — | | | | | |
| 80 | Nov. 29 | e | 14 | 22 | 53 | | | | — | Faint record. |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks | |
|-----|---------|----------|------|----|----|--------|-----------|-------|----------|-----------------------------------------------------------------|---------------------|
| | | | G. | M. | T. | | A_E | A_N | | | |
| | | | h | m | s | s | μ | μ | km. | | |
| 81 | Dec. 2 | S | 14 | 23 | 07 | | | | | | |
| | | F | 14 | 23 | 32 | | | | | | |
| | | eP? | 7 | 07 | 10 | | | | | 3590? | Distant earthquake. |
| | | eS? | 7 | 12 | 33 | | | | | | |
| | | eL? | 7 | 18 | 08 | | | | | | |
| | | M_E | 7 | 19 | 40 | 10.5 | -18 | | | | |
| | | M_N | 7 | 18 | 52 | 9.5 | | -8 | | | |
| F | 7 | 36 | — | | | | | | | | |
| 82 | Dec. 3 | P | 18 | 58 | 15 | | | | 4110 | In Burma. | |
| | | $PR_1?$ | 18 | 59 | 56 | | | | | | |
| | | S | 19 | 04 | 08 | | | | | | |
| | | L | 19 | 10 | 12 | | | | | | |
| | | M_{E1} | 19 | 12 | 00 | 22.0 | +2950 | | | | |
| | | M_{E2} | 19 | 14 | 06 | 17.5 | +2925 | | | | |
| | | M_{E3} | 19 | 15 | 53 | 19.9 | +3875 | | | | |
| | | M_N | 19 | 10 | 18 | 21.6 | | >992 | | | |
| | | C | 19 | 23 | 25 | | | | | | |
| | | F | 20 | 34 | — | | | | | | |
| 83 | Dec. 5 | P | 20 | 32 | 55 | | | | 407 | Eastern part of Harima-nada. | |
| | | S | 20 | 33 | 50 | | | | | | |
| | | M_N | 20 | 33 | 51 | 1.0 | | +12 | | | |
| | | F | 20 | 35 | 20 | | | | | | |
| 84 | Dec. 8 | e | 6 | 23 | 25 | | | | — | P and S phases could not be distinguished. Probably in Formosa. | |
| | | eL? | 6 | 27 | 33 | | | | | | |
| | | M_E | 6 | 30 | 17 | 13.0 | -7 | | | | |
| | | F | 6 | 43 | — | | | | | | |
| 85 | Dec. 8 | P | 8 | 04 | 20 | | | | 1820 | In Formosa. S phase not distinct. | |
| | | eS | 8 | 07 | 27 | | | | | | |
| | | L | 8 | 08 | 52 | | | | | | |
| | | M_E | 8 | 11 | 19 | 11.4 | -35 | | | | |
| | | M_N | 8 | 11 | 41 | 10.6 | | -11 | | | |
| | | F | 8 | 33 | — | | | | | | |
| 86 | Dec. 12 | iP | 13 | 54 | 39 | | | +3 | 76 | Probably upper course of River | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|----------------|------|----|----|--------|----------------|----------------|-----|---------------------------------------------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 87 | Dec. 12 | iS | 13 | 54 | 49 | 0.5 | +20 | -13 | 73 | Kikuti, Kumamoto prefecture. Felt at southern part of Hukuoka prefecture. |
| | | M _N | 13 | 54 | 51 | | | | | |
| | | C | 13 | 55 | 08 | | | | | |
| | | F | 13 | 56 | 10 | | | | | |
| | | iP | 16 | 02 | 12 | | | | | |
| 88 | Dec. 12 | iS | 16 | 02 | 22 | 0.7 | +20 | +18 | 74 | Ditto. |
| | | M _E | 16 | 02 | 23 | | | | | |
| | | M _N | 16 | 02 | 23 | | | | | |
| | | F | 16 | 03 | 50 | | | | | |
| | | iP | 19 | 43 | 08 | | | | | |
| 89 | Dec. 14 | iS | 19 | 43 | 18 | 1.1 | +20 | +21 | 402 | Ditto. |
| | | M _E | 19 | 43 | 18 | | | | | |
| | | M _N | 19 | 43 | 18 | | | | | |
| | | F | 19 | 45 | 20 | | | | | |
| | | P | 9 | 30 | 02 | | | | | |
| 90 | Dec. 18 | S | 9 | 30 | 56 | 0.9 | +3 | -6 | 187 | |
| | | M _N | 9 | 31 | 00 | | | | | |
| | | F | 9 | 33 | 00 | | | | | |
| | | P | 10 | 41 | 51 | | | | | |
| | | S | 10 | 42 | 16 | | | | | |
| 91 | Dec. 20 | M _E | 10 | 42 | 28 | 1.2 | +355 | -838 | 237 | Near Miyosi, Hiroshima prefecture. Slight shock was felt at Hukuoka. |
| | | M _N | 10 | 42 | 38 | | | | | |
| | | F | 10 | 44 | 50 | | | | | |
| | | P | 14 | 03 | 07 | | | | | |
| | | S | 14 | 03 | 39 | | | | | |
| | | M _E | 14 | 03 | 49 | | | | | |
| 92 | Dec. 20 | M _N | 14 | 03 | 52 | 12.9 | | | — | After shock of No. 91. |
| | | C | 14 | 05 | 55 | | | | | |
| | | F | 14 | 12 | ± | | | | | |
| 93 | Dec. 20 | S | 14 | 24 | 17 | 12.9 | | | 229 | Ditto. |
| | | F | 14 | 25 | 10 | | | | | |
| | | P | 14 | 43 | 45 | | | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks | |
|-----|---------|----------------|------|----|----|--------|----------------|----------------|----------|-----------------------|-------------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | | |
| | | | h | m | s | s | μ | μ | km. | | |
| 94 | Dec. 20 | S | 14 | 44 | 16 | | | | | | |
| | | M _E | 14 | 44 | 31 | 2.3 | -10 | | | | |
| | | M _N | 14 | 44 | 28 | 2.0 | | -18 | | | |
| | | F | 14 | 47 | 00 | | | | | | |
| | | P | 23 | 27 | 24 | | | | | 220 | After shock of No. 91. |
| | | S | 23 | 27 | 53 | | | | | | |
| | | M _E | 23 | 28 | 01 | 2.1 | +25 | | | | |
| 95 | Dec. 21 | M _N | 23 | 28 | 08 | 3.3 | | -68 | | | |
| | | C | 23 | 29 | 02 | | | | | | |
| | | F | 23 | 31 | 30 | | | | | | |
| | | iP | 12 | 15 | 07 | | | | +1 | 252 | Ditto.(Slight shock was felt at Hukuoka.) |
| | | iS | 12 | 15 | 41 | | | | | | |
| | | M _E | 12 | 15 | 53 | 7.0 | +465 | | | | |
| | | M _N | 12 | 15 | 52 | 6.0 | | -888 | | | |
| 96 | Dec. 21 | F | 12 | 24 | — | | | | | | |
| | | eP | 12 | 18 | 38 | | | | | 229 | Ditto. |
| | | S | 12 | 19 | 09 | | | | | | |
| | | M _N | 12 | 19 | 12 | 0.9 | | +61 | | | |
| 97 | Dec. 21 | F | 12 | 24 | 40 | | | | | | |
| | | eP | 13 | 10 | 09 | | | | | 226 | Ditto. |
| | | eS | 13 | 10 | 40 | | | | | | |
| 98 | Dec. 21 | F | 13 | 11 | 50 | | | | | | |
| | | eP | 13 | 17 | 42 | | | | | 223 | Ditto. |
| | | eS | 13 | 18 | 12 | | | | | | |
| 99 | Dec. 21 | F | 13 | 18 | 50 | | | | | | |
| | | eP | 14 | 10 | 22 | | | | | 200 | Ditto. |
| | | eS | 14 | 10 | 49 | | | | | | |
| 100 | Dec. 21 | F | 14 | 11 | 40 | | | | | | |
| | | iP | 14 | 54 | 56 | | -28 | -10 | 1640 | | |
| | | iS | 14 | 57 | 46 | | | | | | |
| | | M _E | 14 | 57 | 54 | 6.8 | +100 | | | | |
| | | M _N | 14 | 57 | 56 | 7.1 | | -58 | | | |

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| No. | Date | Phase | Time | | | Period | Amplitude | | △ | Epicenter and Remarks |
|-----|---------|----------------|------|----|-----|--------|----------------|----------------|-----|----------------------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 101 | Dec. 21 | F | 15 | 10 | ± | | | | | |
| | | P | 16 | 31 | 06 | | | | 249 | After shock of No. 91. |
| | | S | 16 | 31 | 40 | | | | | |
| | | M _N | 16 | 31 | 45 | 1.2 | | +9 | | |
| F | 16 | 33 | 00 | | | | | | | |
| 102 | Dec. 21 | P | 17 | 38 | 57 | | | | 218 | Ditto. |
| | | S | 17 | 39 | 27 | | | | | |
| | | M _N | 17 | 39 | 29 | 1.0 | | +8 | | |
| | | F | 17 | 41 | 00 | | | | | |
| 103 | Dec. 21 | eP | 20 | 48 | 44 | | | | 226 | Ditto. |
| | | S | 20 | 49 | 14 | | | | | |
| | | M _N | 20 | 49 | 18 | 0.8 | | +3 | | |
| | | F | 20 | 49 | 50 | | | | | |
| 104 | Dec. 22 | eP | 0 | 11 | 40 | | | | — | Time is doubtful. |
| | | eS? | 0 | 14 | 40 | | | | | |
| | | or eS? | 0 | 15 | 16 | | | | | |
| | | M _E | 0 | 18 | 05 | | | | | |
| | | F | 0 | 31 | — | | | | | |
| 105 | Dec. 22 | eP | 3 | 24 | 11 | | | | 223 | After shock of No. 91. |
| | | S | 3 | 24 | 41 | | | | | |
| | | F | 3 | 25 | 30 | | | | | |
| 106 | Dec. 22 | M _E | 4 | 30 | 05 | 10.5 | ±13 | | — | All phases could not be distinguished. |
| | | F | 4 | 42 | — | | | | | |
| 107 | Dec. 22 | eP | 23 | 07 | 51 | | | | 229 | After shock of No. 91. |
| | | S | 23 | 08 | 22 | | | | | |
| | | F | 23 | 09 | ± | | | | | |
| 108 | Dec. 23 | P | 2 | 10 | 03* | | | | 225 | Ditto. |
| | | S | 2 | 10 | 34 | | | | | |
| | | F | 2 | 11 | — | | | | | |
| 109 | Dec. 23 | eP | 4 | 07 | 25 | | | | 223 | Ditto. |

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| No. | Date | Phase | Time | | | Period | Amplitude | | Δ | Epicenter and Remarks |
|-----|---------|----------------|------|----|----|--------|----------------|----------------|----------|------------------------|
| | | | G. | M. | T. | | A _E | A _N | | |
| | | | h | m | s | s | μ | μ | km. | |
| 110 | Dec. 23 | S | 4 | 07 | 55 | 1.1 | | +5 | 234 | After shock of No. 91. |
| | | M _N | 4 | 07 | 58 | | | | | |
| | | F | 4 | 08 | 30 | | | | | |
| | | P | 10 | 47 | 25 | 1.5 | | -11 | | |
| | | S | 10 | 47 | 56 | | | | | |
| | | M _N | 10 | 48 | 02 | | | | | |
| | | F | 10 | 48 | 50 | | | | | |

昭和六年一月二十五日印刷
昭和六年一月三十日發行

福岡縣福岡市大字住吉

發行所 福岡縣福岡測候所

福岡市東職人町十八番地

印刷人 大隈龍介

福岡市上名島町五十三番地

印刷所 福岡印刷株式會社