

EXCHANGE
SEP 16 1932

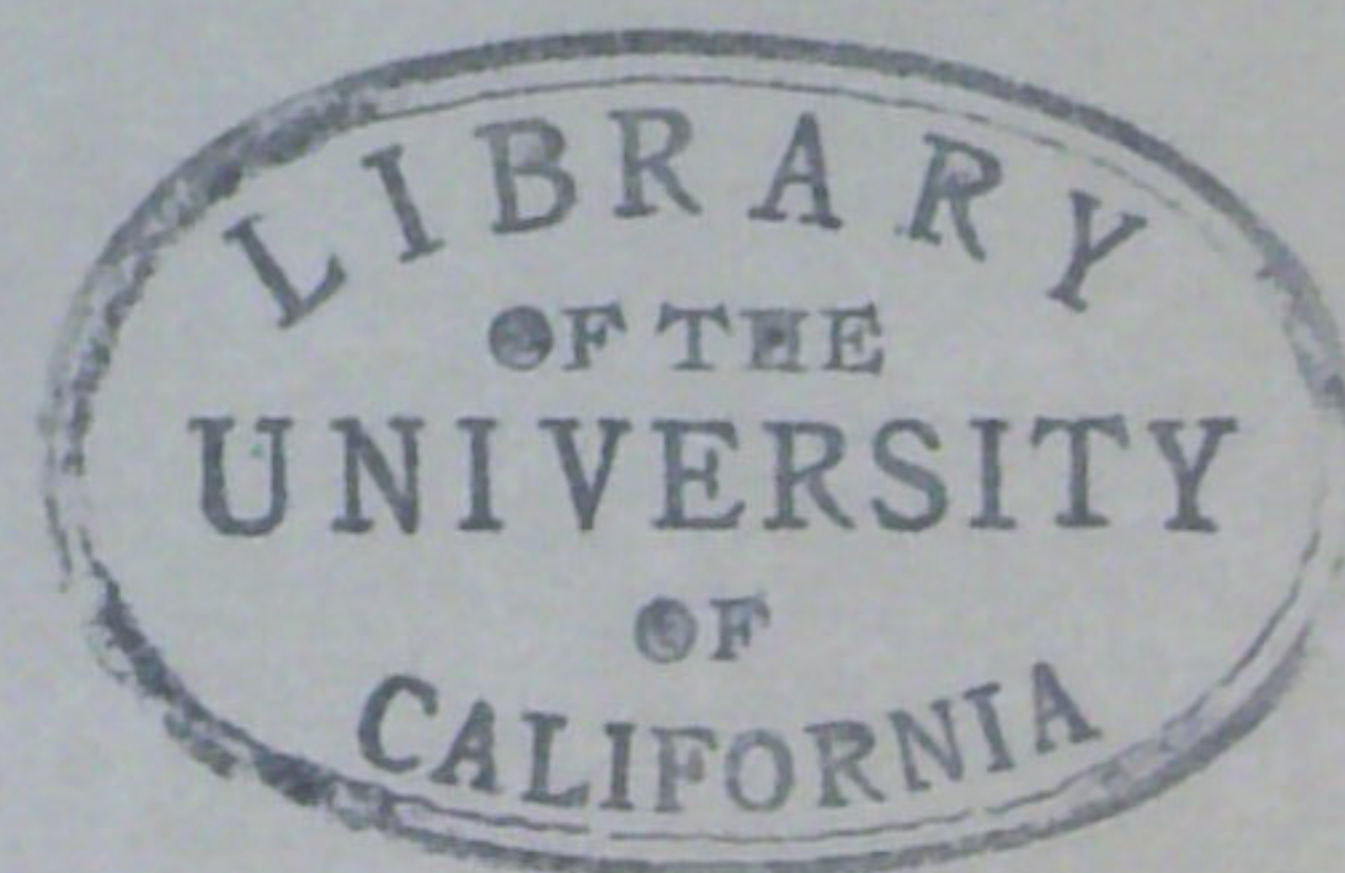
International
Seismological
Centre

THE
SEISMOLOGICAL BULLETIN
OF THE
TYOSI METEOROLOGICAL OBSERVATORY

TYOSI, JAPAN

No. 1. 1932.

From Jan. to Apr.



TYOSI
Aug. 1932.

TYOSI, JAPAN.



SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

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

INSTRUMENTAL CONSTANTS

| INSTRUMENT | COMPONENT | MASS kg | DAMPING | T° | $\frac{r}{T_0^2}$ | ϵ | V |
|------------|-----------|------------|----------|-----|-------------------|------------|-----|
| Wiechert | N-S | 200 | Air | 3.9 | 0.068 | 3.3 | 78 |
| | E-W | 200 | " | 7.2 | 0.022 | 4.2 | 92 |
| Wiechert | U-D | 80 | Magnetic | 3.4 | 0.020 | 6.2 | 74 |
| Omori | N-S | 14.5 | " | 20 | 0.003 | 2-4 | 20 |
| Omori | E-W | 15.0 | " | 20 | 0.004 | 2-4 | 20 |
| Omori | N-S | 46.1 | " | 18 | — | | 120 |
| Omori | N-S | 20 | " | 4 | 0.065 | | 50 |
| | E-W | 20 | " | 4 | 0.065 | | 50 |
| C. M. O. | N-S | 2.3 | Magnetic | 2.5 | 0.001 | 2 | 2 |
| | E-W | 2.3 | " | 2.3 | 0.005 | 2 | 2 |
| | U-D | 2.3 | " | 3.0 | 0.019 | 2 | .3 |
| Omori | U-D | 6.1 | " | 5 | — | | 20 |

No. 1

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-------------|-------------|-------------|-----------------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 1 | Jan. 1 | eP | 0 | 12 | 52.8 | | | | 51 | | |
| | | iS | 0 | 12 | 59.7 | | | | | | |
| | | F | 0 | 13 | 35 | | | | | | |
| 2 | Jan. 1 | S | 0 | 17 | 30.6 | | | | | | |
| | | F | 0 | 17 | 47 | | | | | | |
| 3 | Jan. 1 | eP | 20 | 10 | 29.5 | | | | | | |
| | | F | 20 | 11 | 04 | | | | | | |
| 4 | Jan. 1 | PEN | 22 | 49 | 49.4 | | | | 48 | | |
| | | iSEN | 22 | 49 | 55.8 | | | | | | |
| | | F | 22 | 50 | 48 | | | | | | |
| 5 | Jan. 2 | P | 9 | 08 | 52.7 | | | | 59 | | |
| | | S | 9 | 09 | 00.7 | | | | | | |
| | | F | 9 | 09 | 35 | | | | | | |
| 6 | Jan. 3 | eP | 20 | 03 | 28.2 | | | | | | |
| | | F | 20 | 03 | 42 | | | | | | |
| 7 | Jan. 4 | P | 3 | 34 | 31.9 | | | | | | |
| | | F | 3 | 34 | 53 | | | | | | |
| 8 | Jan. 4 | eP | 22 | 41 | 20.7 | | | | | | |
| | | F | 22 | 42 | 08 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------------------------------------|----------------|----|---|---------------------------------|--------------------------------------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 9 | Jan. 4 | eP F | 23 | 09 | 36.2 51 | | | | | | |
| 10 | Jan. 5 | eP F | 14 | 37 | 00.9 39 | | | | | | |
| 11 | Jan. 5 | eP F | 19 | 20 | 27.2 41 | | | | | | |
| 12 | Jan. 5 | eP F | 20 | 39 | 26.1 16 | | | | | | |
| 13 | Jan. 7 | eP F | 14 | 28 | 51.2 54 | | | | | | |
| 14 | Jan. 7 | eP iS F | 20 | 10 | 00.8 05.2 27 | | | | 33 | | |
| 15 | Jan. 7 | eP S ME F | 20 | 29 | 00.6 12.0 14.9 06 | 2.9 | +23 | | 530 | | |
| 16 | Jan. 9 | eP eS F | 10 | 52 | 33.3 11.5 47 | | | | 284 | | |
| 17 | Jan. 9 | eP F | 15 | 47 | 09.0 23 | | | | | | |
| 18 | Jan. 9 | eP F | 16 | 57 | 16.6 28 | | | | | | |
| 19 | Jan. 9 | eP F | 17 | 58 | 23.3 02 | | | | | | |
| 20 | Jan. 9 | iPEN iPZ PMN PME S F | 19 | 29 | 15.4 15.4 23.4 31.6 16.0 ± | 3.0 2.4 1.8 1.8 2.9 | +8 -5 ±24 ±21 -20 +17 | -17 | 4235 | | |
| 21 | Jan. 10 | eP F | 17 | 15 | 15.5 03 | | | | | | |
| 22 | Jan. 10 | eP S F | 18 | 12 | 36.1 48.3 14 | | | | 91 | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|---|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | | | | | | | | | | |
| 23 | Jan. 10 | eP | 21 | 39 | 08.7 | | | | 123 | | |
| | | S | 21 | 39 | 25.2 | | | | | | |
| | | F | 21 | 40 | 37 | | | | | | |
| 24 | Jan. 10 | P | 23 | 23 | 45.0 | | | | | | |
| | | F | 23 | 24 | 16 | | | | | | |
| 25 | Jan. 11 | eP | 5 | 35 | 21.1 | | | | | | |
| | | F | 5 | 35 | 57 | | | | | | |
| 26 | Jan. 11 | eP | 18 | 10 | 37.0 | | | | 162 | | |
| | | eS | 18 | 10 | 58.8 | | | | | | |
| | | F | 18 | 11 | 43 | | | | | | |
| 27 | Jan. 11 | P | 18 | 16 | 27.0 | | | | 48 | Felt. slightly. Kasima-nada. | |
| | | iS | 18 | 16 | 33.5 | 0.5 | -34 | +24 | | | + 5 |
| | | F | 18 | 17 | 19 | | | | | | |
| 28 | Jan. 12 | P | 8 | 00 | 27.7 | | | | 42 | Felt slightly. Neighbourhood of Cape Inubo. | |
| | | SE | 8 | 00 | 33.3 | 2.3 | + 9 | | | | |
| | | SN | 8 | 00 | 33.3 | 0.6 | | +35 | | | |
| | | M | 8 | 00 | 34.7 | 0.6 | -53 | -78 | | | ±15 |
| | | F | 8 | 02 | 00 | | | | | | |
| 29 | Jan. 12 | eP | 19 | 13 | 14.9 | | | | | | |
| | | F | 19 | 13 | 54 | | | | | | |
| 30 | Jan. 12 | P | 22 | 34 | 27.4 | 0.7 | | | 42 | | |
| | | P ₁ | 22 | 34 | 30.7 | | | | | | + 5 |
| | | S | 22 | 34 | 33.0 | 0.9 | +17 | -20 | | | |
| | | F | 22 | 36 | 03 | | | | | | |
| 31 | Jan. 13 | eP | 8 | 05 | 36.0 | | | | | | |
| | | F | 8 | 06 | 07 | | | | | | |
| 32 | Jan. 13 | eP | 9 | 28 | 41.7 | | | | | | |
| | | F | 9 | 29 | 03 | | | | | | |
| 33 | Jan. 13 | eP | 9 | 29 | 48.6 | | | | | | |
| | | F | 9 | 30 | 03 | | | | | | |
| 34 | Jan. 14 | eP | 1 | 52 | 20.6 | | | | 67 | | |
| | | S | 1 | 52 | 29.6 | | | | | | |
| | | F | 1 | 53 | 42 | | | | | | |
| 35 | Jan. 15 | P | 8 | 50 | 32.9 | | | | 50 | | |
| | | S | 8 | 50 | 39.6 | | | | | | |
| | | F | 8 | 51 | 51 | | | | | | |
| 36 | Jan. 15 | P | 23 | 59 | 23.3 | | | | 61 | | |

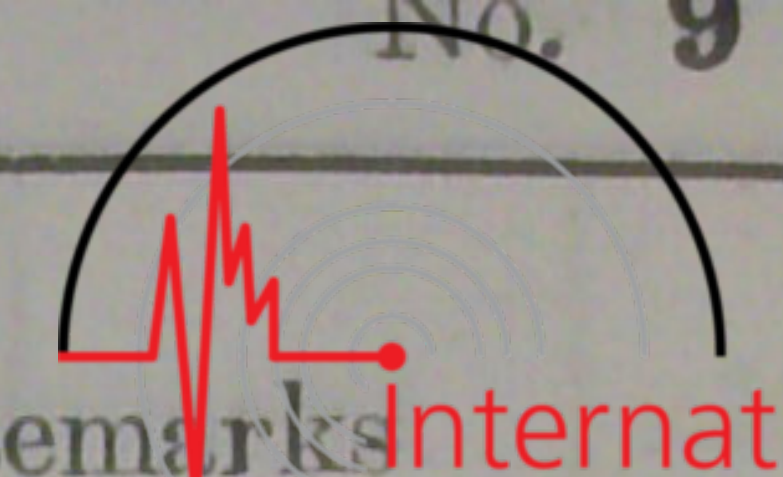
| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | S | 23 | 59 | 31.5 | | | | | | |
| | | F | 0 | 00 | 29 | | | | | | |
| 37 | Jan. 16 | eP | 16 | 16 | 38.1 | | | | | | |
| | | F | 16 | 18 | 14 | | | | | | |
| 38 | Jan. 17 | P | 0 | 16 | 42.4 | | | | | | |
| | | F | 0 | 17 | 11 | | | | | | |
| 39 | Jan. 19 | eP | 13 | 05 | 48.2 | | | | | | |
| | | F | 13 | 08 | 09 | | | | | | |
| 40 | Jan. 20 | eP | 11 | 04 | 20.4 | | | | | | |
| | | F | 11 | 04 | 45 | | | | | | |
| 41 | Jan. 21 | eP | 7 | 18 | 09.8 | | | | 54 | | |
| | | S | 7 | 18 | 17.0 | | | | | | |
| | | F | 7 | 19 | 48 | | | | | | |
| 42 | Jan. 21 | P | 7 | 50 | 03.3 | 1.1 | -13 | | 45 | | |
| | | S | 7 | 50 | 09.3 | | | | | | |
| | | F | 7 | 52 | 18 | | | | | | |
| 43 | Jan. 21 | eP | 10 | 41 | 34.3 | | | | | | |
| | | F | 10 | 42 | 15 | | | | | | |
| 44 | Jan. 21 | P | 22 | 58 | 25.2 | | | | 58 | | |
| | | S | 22 | 58 | 33.0 | | | | | | |
| | | F | 22 | 59 | 28 | | | | | | |
| 45 | Jan. 23 | eP | 6 | 50 | 35.1 | | | | | | |
| | | F | 6 | 51 | 14 | | | | | | |
| 46 | Jan. 23 | eP | 22 | 52 | 05.8 | | | | 24 | | |
| | | S | 22 | 52 | 09.0 | | | | | | |
| | | F | 22 | 52 | 25 | | | | | | |
| 47 | Jan. 24 | P | 12 | 24 | 33.9 | | | | 30 | | |
| | | S | 12 | 24 | 37.9 | | | | | | |
| | | F | 12 | 25 | 35 | | | | | | |
| 48 | Jan. 25 | eP | 2 | 24 | 05.9 | | | | | | |
| | | F | 2 | 24 | 41 | | | | | | |
| 49 | Jan. 25 | P | 23 | 55 | 30.5 | | | | 23 | | |
| | | S | 23 | 55 | 33.6 | | | | | | |
| | | F | 23 | 55 | 48 | | | | | | |
| 50 | Jan. 26 | eP | 13 | 16 | 52.0 | | | | 73 | | |
| | | S | 13 | 17 | 01.8 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 13 | 18 | 01 | | | | | | |
| 51 | Jan. 26 | P | 21 | 51 | 14.3 | | | | 32 | | |
| | | S | 21 | 51 | 18.6 | | | | | | |
| | | F | 21 | 51 | 30 | | | | | | |
| 52 | Jan. 27 | eP | 21 | 58 | 46.4 | | | | | | |
| | | F | 21 | 59 | 10 | | | | | | |
| 53 | Jan. 29 | eP | 6 | 33 | 35.3 | | | | | | |
| | | F | 6 | 33 | 55 | | | | | | |
| 54 | Jan. 29 | eP | 12 | 34 | 51.7 | | | | 18 | | |
| | | S | 12 | 34 | 54.1 | | | | | | |
| | | F | 12 | 35 | 16 | | | | | | |
| 55 | Jan. 29 | eP | 22 | 49 | 27.5 | | | | 8560 | | |
| | | eS | 22 | 59 | 15.9 | | | | | | |
| | | F | 0 | 14 | ± | | | | | | |
| 56 | Jan. 30 | eP | 7 | 42 | 03.4 | | | | 101 | | |
| | | S | 7 | 42 | 17.0 | | | | | | |
| | | F | 7 | 43 | 33 | | | | | | |
| 57 | Jan. 30 | P | 16 | 33 | 59.2 | | | | 41 | | |
| | | S | 16 | 34 | 04.7 | | | | | | |
| | | F | 16 | 35 | 16 | | | | | | |
| 58 | Jan. 31 | eP | 18 | 19 | 28.8 | | | | 240 | | |
| | | S | 18 | 20 | 01.1 | | | | | | |
| | | MEN | 18 | 20 | 03.3 | 1.6 | ±20 | ±26 | | | |
| | | MZ | 18 | 20 | 04.0 | 1.6 | | | | | |
| | | F | 18 | 21 | 50 | | | ± 6 | | | |
| 59 | Jan. 31 | eP | 22 | 18 | 04.3 | | | | 28 | | |
| | | S | 22 | 18 | 08.1 | | | | | | |
| | | F | 22 | 18 | 20 | | | | | | |
| 60 | Feb. 1 | eP | 1 | 53 | 39.3 | | | | 32 | | |
| | | S | 1 | 53 | 43.6 | | | | | | |
| | | F | 1 | 54 | 01 | | | | | | |
| 61 | Feb. 2 | P | 8 | 14 | 07.9 | | | | 31 | | |
| | | S | 8 | 14 | 12.1 | | | | | | |
| | | F | 8 | 14 | 52 | | | | | | |
| 62 | Feb. 2 | eP | 20 | 00 | 03.4 | | | | 191 | | |
| | | S | 20 | 00 | 29.1 | | | | | | |
| | | F | 20 | 02 | 15 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 5 | 14 | 10 | | | | | | |
| 64 | Feb. 3 | eP | 6 | 31 | 29.7 | | | | | | |
| | | F | 6 | 32 | 25 | | | | | | |
| 65 | Feb. 3 | P | 13 | 25 | 44.6 | | | | 418 | | |
| | | S | 13 | 26 | 40.9 | | | | | | |
| | | F | 13 | 27 | 57 | | | | | | |
| 66 | Feb. 4 | eP | 3 | 04 | 31.6 | | | | 54 | | |
| | | S | 3 | 04 | 38.5 | | | | | | |
| | | F | 3 | 06 | 53 | | | | | | |
| 67 | Feb. 4 | eP | 9 | 33 | 04.0 | | | | | | |
| | | F | 9 | 34 | 00 | | | | | | |
| 68 | Feb. 4 | P | 14 | 44 | 10.4 | | | | 72 | | |
| | | S | 14 | 44 | 20.1 | | | | | | |
| | | F | 14 | 45 | 27 | | | | | | |
| 69 | Feb. 5 | eP | 14 | 29 | 25.5 | | | | | | |
| | | F | 14 | 29 | 50 | | | | | | |
| 70 | Feb. 7 | eP | 8 | 04 | 38.6 | | | | | | |
| | | F | 8 | 05 | 15 | | | | | | |
| 71 | Feb. 7 | eP | 8 | 11 | 19.5 | | | | | | |
| | | F | 8 | 12 | 24 | | | | | | |
| 72 | Feb. 9 | P | 0 | 00 | 50.5 | | | | 36 | | |
| | | S | 0 | 00 | 55.4 | | | | | | |
| | | F | 0 | 02 | 06 | | | | | | |
| 73 | Feb. 9 | P | 0 | 23 | 08.3 | | | | 194 | | |
| | | S | 0 | 23 | 34.4 | | | | | | |
| | | F | 0 | 25 | 45 | | | | | | |
| 74 | Feb. 9 | eP | 6 | 24 | 08.8 | | | | | | |
| | | F | 6 | 24 | 34 | | | | | | |
| 75 | Feb. 9 | eP | 10 | 19 | 06.8 | | | | | | |
| | | F | 10 | 19 | 36 | | | | | | |
| 76 | Feb. 9 | eP | 12 | 58 | 22.3 | | | | | | |
| | | F | 12 | 58 | 38 | | | | | | |
| 77 | Feb.10 | eP | 9 | 35 | 44.5 | | | | 30 | | |
| | | S | 9 | 35 | 48.5 | | | | | | |
| | | F | 9 | 36 | 17 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|--|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 78 | Feb. 11 | eP | 3 | 31 | 54.4 | | | | 30 | | |
| | | S | 3 | 31 | 58.5 | | | | | | |
| | | F | 3 | 32 | 24 | | | | | | |
| 79 | Feb. 12 | eP | 16 | 29 | 40.8 | | | | 91 | | |
| | | S | 16 | 29 | 53.0 | | | | | | |
| | | F | 16 | 31 | 15 | | | | | | |
| 80 | Feb. 12 | eP | 23 | 59 | 07.4 | | | | 35 | | |
| | | S | 23 | 59 | 12.1 | | | | | | |
| | | F | 23 | 59 | 34 | | | | | | |
| 81 | Feb. 14 | eP | 3 | 59 | 26.9 | | | | | | |
| | | F | 4 | 00 | 09 | | | | | | |
| 82 | Feb. 14 | eP | 10 | 50 | 54.1 | | | | 40 | | |
| | | S | 10 | 50 | 59.5 | | | | | | |
| | | F | 10 | 51 | 45 | | | | | | |
| 83 | Feb. 14 | P | 11 | 08 | 45.1 | 0.5 | +97 | -165 | 25 | Felt rlightly. Tyosi. | |
| | | S | 11 | 08 | 48.4 | | | | | | |
| | | F | 11 | 10 | 02 | | | | | | |
| 84 | Feb. 14 | eP | 12 | 29 | 55.5 | | | | | | |
| | | F | 12 | 30 | 49 | | | | | | |
| 85 | Feb. 15 | eP | 1 | 02 | 26.0 | | | | | | |
| | | F | 1 | 04 | 02 | | | | | | |
| 86 | Feb. 15 | P | 13 | 09 | 23.0 | 0.4 | -24 | -82 | 25 | Felt slightly. Tyosi. | |
| | | S | 13 | 09 | 26.4 | | | | | | |
| | | F | 13 | 10 | 24 | | | | | | |
| 87 | Feb. 16 | eP | 17 | 19 | 43.8 | | | | 30 | | |
| | | S | 17 | 19 | 47.9 | | | | | | |
| | | F | 17 | 20 | 33 | | | | | | |
| 88 | Feb. 16 | P | 23 | 12 | 13.7 | 1.8 | +19 | -31 | 39 | Felt moderately. off the Cape of Innbo. | |
| | | S | 23 | 12 | 18.9 | 0.8 | -223 | | | | |
| | | M | 23 | 12 | 20.0 | 1.3 | | ±170 | | | |
| | | F | 23 | 15 | ± | | | | | | |
| 89 | Feb. 16 | eP | 23 | 15 | 29.7 | | | | | | |
| | | F | 23 | 16 | 12 | | | | | | |
| 90 | Feb. 16 | eP | 23 | 30 | 10.7 | | | | | | |
| | | F | 23 | 31 | 03 | | | | | | |
| 91 | Feb. 17 | eP | 2 | 29 | 08.6 | | | | 28 | | |
| | | S | 2 | 29 | 12.4 | | | | | | |

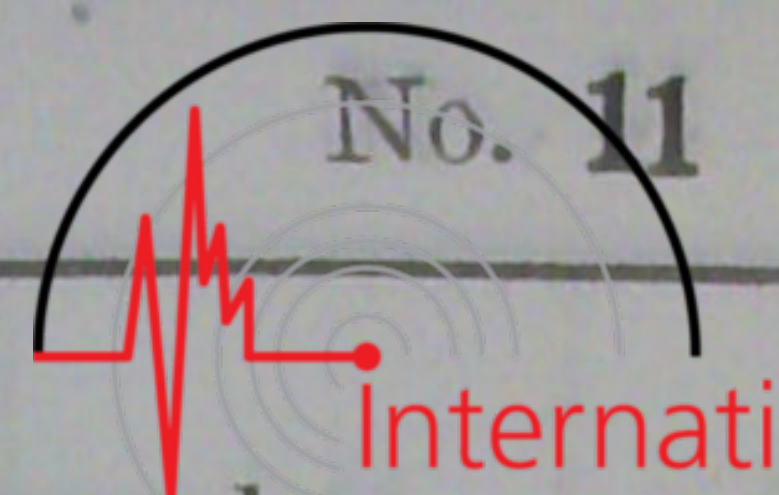
| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-------------|-------------|-------------|-----------------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 2 | 29 | 41 | | | | | | |
| 92 | Feb. 19 | P | 7 | 36 | 26.0 | | | | 82 | | |
| | | eS | 7 | 36 | 37.0 | | | | | | |
| | | F | 7 | 38 | 08 | | | | | | |
| 93 | Feb. 19 | P | 22 | 26 | 17.0 | 1.3 | | - 4 | 245 | | |
| | | SE | 22 | 26 | 50.0 | | | | 253 | | |
| | | SN | 22 | 26 | 51.1 | 2.7 | | +17 | | | |
| | | F | 22 | 30 | ± | | | | | | |
| 94 | Feb. 21 | eP | 5 | 02 | 03.3 | | | | | | |
| | | F | 5 | 02 | 33 | | | | | | |
| 95 | Feb. 21 | P | 16 | 46 | 05.9 | | | | 43 | | |
| | | S | 16 | 46 | 11.7 | 1.0 | -16 | -34 | | | |
| | | F | 16 | 47 | 21 | | | | | | |
| 96 | Feb. 21 | eP | 21 | 06 | 31.5 | | | | | | |
| | | F | 21 | 07 | 21 | | | | | | |
| 97 | Feb. 23 | P | 19 | 25 | 32.1 | | | | 39 | | |
| | | iS | 19 | 25 | 37.4 | 0.6 | -10 | -17 | | | |
| | | F | 19 | 26 | 20 | | | | | | |
| 98 | Feb. 23 | P | 20 | 27 | 13.3 | | | | 37 | | |
| | | iS | 20 | 27 | 18.3 | | | | | | |
| | | F | 20 | 27 | 53 | | | | | | |
| 99 | Feb. 24 | eP | 23 | 46 | 53.7 | | | | | | |
| | | F | 23 | 47 | 34 | | | | | | |
| 100 | Feb. 26 | P | 15 | 11 | 46.8 | | | | 64 | | |
| | | eS | 15 | 11 | 55.4 | | | | | | |
| | | eL | 15 | 11 | 58.3 | | | | | | |
| | | F | 15 | 13 | 57 | | | | | | |
| 101 | Feb. 26 | eP | 16 | 24 | 08.4 | | | | | | |
| | | F | 16 | 25 | 00 | | | | | | |
| 102 | Feb. 28 | eP | 12 | 00 | 42.5 | | | | 255 | | |
| | | S | 12 | 01 | 16.9 | | | | | | |
| | | F | 12 | 02 | 40 | | | | | | |
| 103 | Mar. 2 | eP | 0 | 43 | 03.5 | | | | | | |
| | | F | 0 | 44 | 34 | | | | | | |
| 104 | Mar. 2 | eP | 2 | 39 | 41.7 | | | | | | |
| | | F | 2 | 40 | 17 | | | | | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|---------------|----------------|----|--------------------|--------------|-------------|------------|---------|--|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 105 | Mar. 2 | eP eS F | 4 | 19 | 10.0 25.6 00 | | | | 116 | | |
| 106 | Mar. 2 | P S F | 4 | 57 | 35.0 45.2 05 | | | | 76 | | |
| 107 | Mar. 2 | eP eS F | 11 | 50 | 17.3 24.8 05 | | | | 499 | | |
| 108 | Mar. 3 | eP F | 3 | 38 | 26.6 18 | | | | | | |
| 109 | Mar. 3 | eP F | 3 | 56 | 55.0 23 | | | | | | |
| 110 | Mar. 5 | eP F | 0 | 51 | 55.0 23 | | | | | | |
| 111 | Mar. 5 | eP S F | 3 | 20 | 36.4 49.3 50 | | | | 96 | | |
| 112 | Mar. 5 | eP S F | 9 | 20 | 52.2 04.3 04 | | | | 90 | | |
| 113 | Mar. 7 | P S F | 18 | 01 | 01.4 07.1 ± | 0.5 1.0 | - 7 +105 | - 4 -67 | -20 | 42 | |
| 114 | Mar. 8 | eP S F | 6 | 02 | 00.3 09.8 41 | | | | 71 | | |
| 115 | Mar. 8 | eP eS F | 17 | 55 | 37.1 16.8 25 | | | | 294 | | |
| 116 | Mar. 8 | P S F | 18 | 52 | 30.4 38.7 28 | | | | 62 | | |
| 117 | Mar. 9 | eP S F | 21 | 47 | 18.7 30.4 57 | | | | 87 | | |
| 118 | Mar.10 | P S | 21 | 52 | 47.6 57.4 | | | | 73 | Felt slightly. Mouth of River Naka. | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|------------------------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | ME | 21 | 53 | 00.9 | | | | | | |
| | | F | 21 | 54 | 35 | | | | | | |
| 119 | Mar.11 | eP | 7 | 53 | 36.9 | | | | 49 | | |
| | | S | 7 | 53 | 43.5 | | | | | | |
| | | F | 7 | 54 | 08 | | | | | | |
| 120 | Mar.12 | eP | 22 | 03 | 07.5 | | | | | | |
| | | F | 22 | 04 | 16 | | | | | | |
| 121 | Mar.14 | eP | 0 | 49 | 03.5 | | | | 69 | | |
| | | eS | 0 | 49 | 12.8 | | | | | | |
| | | F | 0 | 50 | 33 | | | | | | |
| 122 | Mar.15 | P | 4 | 51 | 10.1 | | | | 66 | | |
| | | S | 4 | 51 | 19.0 | | | | | | |
| | | F | 4 | 52 | 06 | | | | | | |
| 123 | Mar.16 | P | 4 | 27 | 54.8 | 1.5 | - 8 | -16 | -70 | 42 | Felt moderately. |
| | | S | 4 | 28 | 00.4 | 1.5 | -105 | | | | Off the cape of Inubo. |
| | | F | 4 | 30 | ± | | | | | | |
| 124 | Mar.16 | eP | 20 | 04 | 32.2 | | | | 48 | | |
| | | eS | 20 | 04 | 38.6 | | | | | | |
| | | F | 20 | 06 | 17 | | | | | | |
| 125 | Mar.17 | eP | 16 | 20 | 59.5 | | | | | | |
| | | F | 16 | 21 | 59 | | | | | | |
| 126 | Mar.18 | eP | 21 | 44 | 43.4 | | | | 82 | | |
| | | S | 21 | 44 | 54.4 | | | | | | |
| | | F | 21 | 45 | 36 | | | | | | |
| 127 | Mar.19 | P | 20 | 04 | 26.3 | | | | 2255 | | |
| | | SE | 20 | 08 | 10.8 | | | | 2370 | | |
| | | SN | 20 | 08 | 20.9 | | | | | | |
| | | ME | 20 | 08 | 31.0 | 3.0 | ±47 | | | | |
| | | F | 20 | 55 | ± | | | | | | |
| 128 | Mar.20 | P | 3 | 38 | 55.7 | | | | 75 | | |
| | | S | 3 | 39 | 05.8 | | | | | | |
| | | F | 3 | 40 | 35 | | | | | | |
| 129 | Mar.21 | eP | 3 | 30 | 46.4 | | | | | | |
| | | F | 3 | 31 | 34 | | | | | | |
| 130 | Mar.21 | eP | 3 | 52 | 57.4 | | | | | | |
| | | F | 3 | 53 | 49 | | | | | | |
| 131 | Mar.21 | eP | 5 | 12 | 47.3 | | | | 79 | | |
| | | S | 5 | 12 | 57.9 | | | | | | |





| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks | | |
|-----|--------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|--|--|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | | | |
| | | F | 5 | 13 | 26 | | | | | | | | |
| 132 | Mar.21 | eP | 5 | 29 | 39.6 | | | | | | | | |
| | | F | 5 | 30 | 31 | | | | | | | | |
| 133 | Mar.22 | eP | 17 | 35 | 35.1 | | | | | | | | |
| | | F | 17 | 36 | 28 | | | | | | | | |
| 134 | Mar.24 | P | 0 | 27 | 04.2 | 0.7 | ±22 | | 36 | | | | |
| | | S | 0 | 27 | 09.0 | | | | | | | | |
| | | ME | 0 | 27 | 12.8 | | | | | | | | |
| | | F | 0 | 28 | 40 | | | | | | | | |
| 135 | Mar.24 | eP | 7 | 47 | 38.9 | | | | 76 | | | | |
| | | eS | 7 | 47 | 49.1 | | | | | | | | |
| | | F | 7 | 48 | 50 | | | | | | | | |
| 136 | Mar.26 | eL | 9 | 14 | 14.4 | | | | | | | | |
| | | F | 9 | 39 | ± | | | | | | | | |
| 137 | Mar.26 | eP | 19 | 00 | 13.4 | | | | 4500 | | | | |
| | | eS | 19 | 06 | 28.4 | | | | | | | | |
| | | F | 19 | 31 | ± | | | | | | | | |
| 138 | Mar.27 | eP | 20 | 04 | 30.8 | | | | | | | | |
| | | F | 20 | 05 | 36 | | | | | | | | |
| 139 | Mar.29 | eP | 11 | 49 | 50.8 | | | | | | | | |
| | | F | 11 | 50 | 19 | | | | | | | | |
| 140 | Mar.29 | P | 23 | 32 | 06.7 | | | | 22 | | | | |
| | | S | 23 | 32 | 09.6 | | | | | | | | |
| | | F | 23 | 32 | 23 | | | | | | | | |
| 141 | Mar.29 | P | 23 | 32 | 41.3 | | | | 22 | | | | |
| | | S | 23 | 32 | 44.3 | | | | | | | | |
| | | F | 23 | 32 | 55 | | | | | | | | |
| 142 | Mar.30 | P | 6 | 38 | 52.3 | | | | 35 | | | | |
| | | S | 6 | 38 | 55.7 | | | | | | | | |
| | | F | 6 | 39 | 06 | | | | | | | | |
| 143 | Apr. 1 | eP | 19 | 08 | 10.1 | | | | 36 | | | | |
| | | S | 19 | 08 | 14.9 | | | | | | | | |
| | | F | 19 | 09 | 09 | | | | | | | | |
| 144 | Apr. 2 | P | 15 | 48 | 55.5 | 1.3 | -62 | +35 | 45 | | | | |
| | | P ₁ | 15 | 48 | 59.0 | | | | | | | | |
| | | S | 15 | 49 | 01.6 | | | | | | | | |
| | | F | 15 | 51 | ± | | | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|---|----------------|----|---|--------------|-----------|---------|------------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 145 | Apr. 3 | eP F | 6 | 25 | 58.8 36 | | | | | | |
| 146 | Apr. 5 | P P ₁ S S ₁ M _E F | 4 | 18 | 05.9 07.4 10.3 13.1 16.9 ± | | | | 478 | | |
| | | | | | | 4.0 | -220 | | | | |
| | | | | | | 2.5 | ±440 | | | | |
| 147 | Apr. 9 | eP S F | 10 | 44 | 50.6 05.5 34 | | | | 111 | | |
| 148 | Apr. 9 | P S F | 22 | 16 | 22.0 28.9 50 | 0.7 | +29 | -20 | 51 | | |
| 149 | Apr. 9 | eP S F | 23 | 00 | 01.4 06.3 39 | | | | 36 | | |
| 150 | Apr.12 | P S _N S _E M _E F _E | 3 | 13 | 24.2 40.5 43.7 46.7 ± | | | | 121 145 | | |
| | | | | | | 1.3 | | -13 | | | |
| | | | | | | 2.2 | -43 | | | | |
| | | | | | | 1.9 | +81 | | | | |
| 151 | Apr.13 | eP S F | 2 | 58 | 07.0 15.8 14 | | | | 65 | | |
| 152 | Apr.14 | eP F | 7 | 40 | 37.8 18 | | | | | | |
| 153 | Apr.15 | eP S F | 12 | 37 | 02.0 11.6 26 | | | | 71 | | |
| 154 | Apr.15 | eP F | 2 | 04 | 21.1 36 | | | | | | |
| 155 | Apr.15 | P ₁ P ₂ F | 23 | 47 | 07.0 14.1 21 | | | | | | |
| 156 | Apr.16 | eP F | 4 | 47 | 05.0 07 | | | | | | |
| 157 | Apr.17 | eP F | 4 | 41 | 59.5 38 | | | | | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------------------|----------------------|----------------------|----------------------------|-------------------|-------------|---------------------|------------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 158 | Apr. 17 | eP F | 12 12 | 48 50 | 13.7 38 | | | | | | |
| 159 | Apr. 18 | eP S F | 0 0 0 | 42 42 42 | 23.6 30.4 53 | | | | 50 | | |
| 160 | Apr. 23 | P S F | 1 1 1 | 55 55 57 | 25.5 31.4 23 | 1.2 | + 22 | - 17 | 44 | | |
| 161 | Apr. 23 | eP F | 19 19 | 00 01 | 50.1 40 | | | | | | |
| 162 | Apr. 23 | eP F | 19 19 | 27 28 | 34.4 29 | | | | | | |
| 163 | Apr. 23 | eP F | 19 19 | 32 33 | 53.1 16 | | | | | | |
| 164 | Apr. 23 | P S F | 20 20 20 | 01 01 03 | 10.9 24.9 23 | | | | 104 | | |
| 165 | Apr. 23 | P S F | 21 21 21 | 00 00 02 | 12.7 27.0 03 | | | | 106 | | |
| 166 | Apr. 23 | eP S F | 23 23 23 | 42 43 44 | 55.4 08.1 04 | | | | 94 | | |
| 167 | Apr. 25 | P S F | 10 10 10 | 57 57 57 | 02.1 06.2 32 | | | | 30 | | |
| 168 | Apr. 26 | eP S F | 9 9 9 | 11 11 12 | 32.2 42.0 01 | | | | 73 | | |
| 169 | Apr. 26 | eP eS F | 9 9 9 | 35 36 38 | 42.2 39.3 16 | | | | 424 | | |
| 170 | Apr. 26 | P S MN F | 12 12 12 12 | 41 41 41 44 | 41.6 50.6 52.0 16 | 0.6 1.1 1.1 | + 6 - 38 | - 6 - 39 ± 68 | + 12 69 | | |
| 171 | Apr. 26 | eP S | 12 12 | 45 45 | 29.4 39.2 | | | | 73 | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 12 | 46 | 06 | | | | | | |
| 172 | Apr.26 | eP | 21 | 35 | 31.4 | | | | | 36 | |
| | | S | 21 | 35 | 36.3 | | | | | | |
| | | F | 21 | 35 | 53 | | | | | | |
| 173 | Apr.26 | eP | 21 | 37 | 09.3 | | | | | 143 | |
| | | eS | 21 | 37 | 28.5 | | | | | | |
| | | F | 21 | 38 | 26 | | | | | | |
| 174 | Apr.26 | S | 23 | 51 | 34.9 | | | | | | |
| | | F | 23 | 51 | 47 | | | | | | |
| 175 | Apr.27 | eP | 2 | 55 | 15.1 | | | | | 48 | |
| | | S | 2 | 55 | 21.5 | | | | | | |
| | | F | 2 | 55 | 42 | | | | | | |
| 176 | Apr.27 | S | 6 | 00 | 27.4 | | | | | | |
| | | F | 6 | 00 | 34 | | | | | | |
| 177 | Apr.27 | S | 6 | 24 | 34.8 | | | | | | |
| | | F | 6 | 24 | 59 | | | | | | |
| 178 | Apr.28 | eP | 5 | 11 | 14.7 | | | | | | |
| | | F | 5 | 12 | 05 | | | | | | |
| 179 | Apr.28 | P | 12 | 44 | 11.6 | 1.0 | | | - 6 | 371 | |
| | | S | 12 | 45 | 01.6 | 2.6 | + 5 | - 11 | | | |
| | | M _{EN} | 12 | 45 | 03.3 | 0.6 | ±25 | ±42 | | | |
| | | F | 12 | 48 | ± | | | | | | |
| 180 | Apr.29 | eP | 7 | 57 | 18.8 | | | | | | |
| | | F | 7 | 58 | 18 | | | | | | |
| 181 | Apr.29 | eP | 17 | 03 | 35.4 | | | | | 672 | |
| | | S | 17 | 05 | 05.9 | | | | | | |
| | | F | 17 | 06 | 48 | | | | | | |
| 182 | Apr.30 | eP | 16 | 27 | 42.5 | | | | | | |
| | | F | 16 | 28 | 17 | | | | | | |
| 183 | Apr.30 | eP | 16 | 52 | 07.5 | | | | | | |
| | | F | 16 | 52 | 49 | | | | | | |

T H E

EXCHANGE
MAR 17 1933

SEISMOLOGICAL BULLETIN

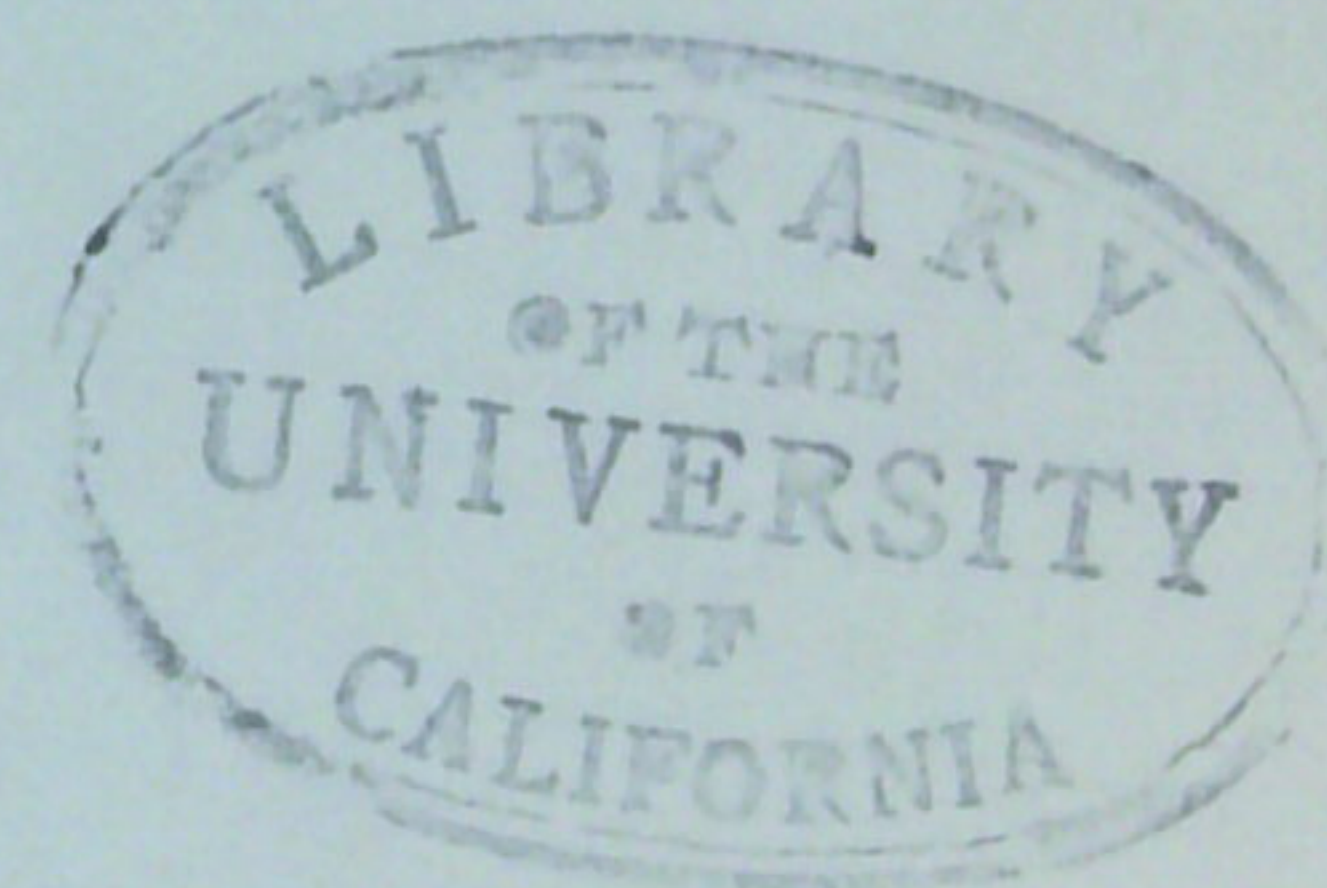
OF THE

TYOSI METEOROLOGICAL OBSERVATORY

TYOSI, JAPAN

No. 2. 1932.

From May. to Aug.



TYOSI

Dec. 1932.

TYOSI, JAPAN.



SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

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

INSTRUMENTAL CONSTANTS

| INSTRUMENT | COMPONENT | MASS kg | DAMPING | T° | $\frac{r}{T_0^2}$ | ϵ | V |
|------------|-----------|------------|----------|-----|-------------------|------------|-----|
| Wiechert | N-S | 200 | Air | 3.9 | 0.068 | 3.3 | 78 |
| | E-W | 200 | " | 7.2 | 0.022 | 4.2 | 92 |
| Wiechert | U-D | 80 | Magnetic | 3.4 | 0.020 | 6.2 | 74 |
| Omori | N-S | 14.5 | " | 20 | 0.003 | 2-4 | 20 |
| Omori | E-W | 15.0 | " | 20 | 0.004 | 2-4 | 20 |
| Omori | N-S | 46.1 | " | 18 | — | | 120 |
| Omori | N-S | 20 | " | 4 | 0.065 | | 50 |
| | E-W | 20 | " | 4 | 0.065 | | 50 |
| C. M. O. | N-S | 2.3 | Magnetic | 2.5 | 0.001 | 2 | 2 |
| | E-W | 2.3 | " | 2.3 | 0.005 | 2 | 2 |
| | U-D | 2.3 | " | 3.0 | 0.019 | 2 | 3 |
| Omori | U-D | 6.1 | " | 5 | — | | 20 |

No. 1

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|--------|-----------------|----------------|----|------|--------------|-------------|-------------|-------------|-----------------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 184 | May 5 | eP | 10 | 07 | 58.2 | | | | | 36 | |
| | | S | 10 | 08 | 03.0 | | | | | | |
| | | F | 10 | 08 | 26 | | | | | | |
| 185 | May 5 | P | 13 | 12 | 16.8 | 1.8 | | | | 440 | |
| | | S | 13 | 13 | 16.0 | | | | | | |
| | | M _N | 13 | 13 | 18.3 | | | | | | |
| | | F | 13 | 21 | ± | | | | | | |
| 186 | May 6 | eP | 23 | 19 | 23.3 | | | | | | |
| | | F | 23 | 20 | 21 | | | | | | |
| 187 | May 11 | eP | 15 | 54 | 18.9 | 3.4 | | | | 200 | |
| | | S | 15 | 54 | 45.9 | | | | | | |
| | | L _N | 15 | 55 | 26.7 | | | | | | |
| | | L _E | 15 | 55 | 29.1 | | | | | | |
| | | M _N | 15 | 55 | 31.4 | | | | | | |
| | | M _E | 15 | 55 | 41.0 | | | | | | |
| | | M _{E2} | 15 | 57 | 16.6 | | | | | | |
| | | F | 16 | 20 | ± | | | | | | |
| 188 | May 14 | eP | 15 | 50 | 52.4 | | | | | | |
| | | F | 15 | 51 | 55 | | | | | | |
| 189 | May 14 | P | 22 | 18 | 24.4 | 9.1 | | | | 3880 | |
| | | S | 22 | 24 | 04.7 | | | | | | |
| | | L | 22 | 26 | 05.2 | | | | | | |
| | | M _E | 22 | 27 | 40.5 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|--------|----------------|----------------|----|-------|--------------|-------------|-------------|-------------|----------------------------------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 23 | 43 | \pm | | | | | | |
| 190 | May 16 | eP | 15 | 06 | 08.8 | | | | | | |
| | | F | 15 | 07 | 37 | | | | | | |
| 191 | May 17 | eP | 23 | 07 | 56.7 | | | | | | |
| | | F | 23 | 08 | 45 | | | | | | |
| 192 | May 18 | P | 19 | 40 | 21.0 | | | | 55 | | |
| | | S | 19 | 40 | 28.3 | | | | | | |
| | | F | 19 | 41 | 48 | | | | | | |
| 193 | May 19 | P | 12 | 11 | 46.0 | | | | 45 | | |
| | | S | 12 | 11 | 52.0 | | | | | | |
| | | F | 12 | 12 | 43 | | | | | | |
| 194 | May 19 | eP | 12 | 46 | 07.7 | | | | 126 | | |
| | | S | 12 | 46 | 24.7 | | | | | | |
| | | F | 12 | 47 | 10 | | | | | | |
| 195 | May 19 | eP | 13 | 22 | 22.1 | | | | | | |
| | | F | 13 | 23 | 33 | | | | | | |
| 196 | May 20 | eP | 10 | 10 | 45.0 | | | | | | |
| | | F | 10 | 11 | 13 | | | | | | |
| 197 | May 20 | P | 12 | 50 | 22.4 | | | | 118 | | |
| | | S | 12 | 50 | 38.3 | | | | | | |
| | | F | 12 | 51 | 38 | | | | | | |
| 198 | May 20 | P | 20 | 54 | 45.6 | | | | 116 | | |
| | | S | 20 | 55 | 01.2 | 0.8 | +24 | +12 | | | |
| | | F | 20 | 58 | \pm | | | | | | |
| 199 | May 21 | eP | 16 | 04 | 17.9 | | | | | | |
| | | F | 16 | 06 | 17 | | | | | | |
| 200 | May 22 | eP | 9 | 48 | 45.1 | | | | | | |
| | | F | 9 | 50 | 28 | | | | | | |
| 201 | May 23 | P | 2 | 30 | 33.0 | | | | 74 | | |
| | | S | 2 | 30 | 43.0 | | | | | | |
| | | F | 2 | 32 | 49 | | | | | | |
| 202 | May 27 | P | 1 | 07 | 30.1 | | | | 26 | | |
| | | S | 1 | 07 | 33.6 | 0.3 | +11 | +22 | | Felt slightly. Cape of Inubo. | |
| | | F | 1 | 08 | 19 | | | | | | |
| 203 | May 27 | P ₁ | 1 | 19 | 57.5 | | | | 7120 | | |
| | | P ₂ | 1 | 20 | 09.0 | 5.3 | +17 | --16 | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks | | | | |
|-----|--------|----------------|----------------|----|------|-----------------|-----------|---------|---------|----------|---------|--|--|--|--|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | | | | | |
| | | PMZ | 1 | 20 | 10.3 | 5.3 | | | ±51 | | | | | | |
| | | PME | 1 | 20 | 16.8 | 5.3 | ±27 | | | | | | | | |
| | | S | 1 | 28 | 33.1 | | | | | | | | | | |
| | | MN | 1 | 28 | 50.1 | 4.5 | | ±26 | | | | | | | |
| | | ME | 1 | 28 | 54.1 | 11.0 | ±125 | | | | | | | | |
| | | FE | 2 | 08 | ± | | | | | | | | | | |
| 204 | May 28 | eP | 11 | 14 | 29.4 | E 5.9 NZ 4.4 | +29 | +21 | +44 | 8090 | | | | | |
| | | S | 11 | 23 | 53.9 | | | | | | | | | | |
| | | F | 11 | 46 | ± | | | | | | | | | | |
| 205 | May 30 | P | 17 | 15 | 22.1 | | | | | 35 | | | | | |
| | | S | 17 | 15 | 26.8 | | | | | | | | | | |
| | | F | 17 | 15 | 44 | | | | | | | | | | |
| 206 | June 1 | eP | 10 | 36 | 38.6 | | | | | | | | | | |
| | | F | 10 | 37 | 24 | | | | | | | | | | |
| 207 | June 1 | eP | 10 | 40 | 23.2 | | | | | | | | | | |
| | | F | 10 | 40 | 59 | | | | | | | | | | |
| 208 | June 2 | eP | 5 | 25 | 42.9 | | | | | | | | | | |
| | | F | 5 | 26 | 24 | | | | | | | | | | |
| 209 | June 3 | P | 9 | 19 | 40.7 | | | | | 318 | | | | | |
| | | S | 9 | 20 | 10.1 | | | | | | | | | | |
| | | S ₁ | 9 | 20 | 23.5 | | | | | | | | | | |
| | | L | 9 | 20 | 34.5 | | | | | | | | | | |
| | | ME | 9 | 20 | 38.7 | 2.0 | ±93 | | | | | | | | |
| | | MN | 9 | 20 | 50.5 | 2.0 | | ±95 | | | | | | | |
| | | FE | 9 | 38 | ± | | | | | | | | | | |
| 210 | June 3 | eP | 19 | 50 | 50.0 | | | | | 11275 | | | | | |
| | | eS | 20 | 02 | 42.0 | | | | | | | | | | |
| | | eL | 20 | 16 | 59.6 | | | | | | | | | | |
| | | M | 20 | 19 | 26.1 | 20.0 | ±140 | ±320 | | | | | | | |
| | | FE | 22 | 06 | ± | | | | | | | | | | |
| 211 | June 3 | eP | 22 | 43 | 42.3 | | | | | 497 | | | | | |
| | | eS | 22 | 44 | 49.2 | | | | | | | | | | |
| | | F | 22 | 49 | ± | | | | | | | | | | |
| 212 | June 4 | P | 6 | 32 | 22.3 | | | | | 30 | | | | | |
| | | S | 6 | 32 | 26.4 | 0.8 | +27 | +30 | | | | | | | |
| | | F | 6 | 33 | 15 | | | | | | | | | | |
| 213 | June 4 | P | 11 | 02 | 07.9 | | | | | 438 | | | | | |
| | | S | 11 | 03 | 06.9 | | | | | | | | | | |
| | | L | 11 | 03 | 40.5 | | | | | | | | | | |
| | | F | 11 | 12 | ± | | | | | | | | | | |
| 214 | June 5 | eP | 7 | 36 | 26.6 | | | | | | | | | | |

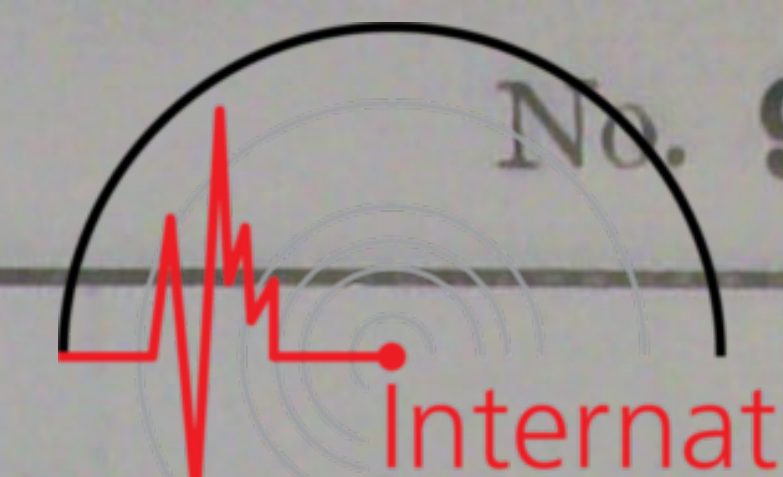
| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|--------------------------|----------------------------|----------------------------|-----------------------------------|-------------------|-------------|-------------|---------|--|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 7 | 37 | 06 | | | | | | |
| 215 | June 5 | eP F | 18 18 | 07 08 | 36.7 07 | | | | | | |
| 216 | June 6 | eP F | 7 7 | 29 30 | 33.9 08 | | | | | | |
| 217 | June 6 | eP F | 20 20 | 04 04 | 26.5 55 | | | | | | |
| 218 | June 10 | cP cS F | 4 4 4 | 47 47 48 | 28.7 39.7 24 | | | | 82 | | |
| 219 | June 11 | P S ME F | 3 3 3 3 | 07 07 07 09 | 12.0 25.6 28.9 34 | 1.1 | ±22 | | 101 | | |
| 220 | June 12 | eP F | 6 6 | 58 58 | 31.4 49 | | | | | | |
| 221 | June 12 | eP F | 18 18 | 40 41 | 38.2 22 | | | | | | |
| 222 | June 13 | P S F | 9 9 9 | 46 47 49 | 44.4 00.4 05 | 0.5 | +27 | | 97 | | |
| 223 | June 14 | eP F | 15 15 | 04 16 | 57.3 ± | | | | | | |
| 224 | June 15 | eP S F | 23 23 23 | 24 24 25 | 18.2 30.2 46 | | | | 89 | | |
| 225 | June 16 | P S F | 3 3 3 | 44 44 45 | 42.6 53.2 53 | | | | 79 | | |
| 226 | June 16 | P S ME MN FE | 17 17 17 17 17 | 32 32 32 32 42 | 40.2 54.2 54.6 57.6 ± | 1.0 1.7 1.7 | +24 ±240 | -18 ±180 | 104 | Felt slightly. Lower valley of the river Kinu. | |
| 227 | June 17 | P S ME | 5 5 5 | 17 17 17 | 20.7 37.0 53.0 | 0.5 | ±38 | | 121 | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 5 | 22 | ± | | | | | | |
| 228 | June 17 | P | 14 | 46 | 06.8 | 0.5 | +1? | -6 | -23 | 36 | Felt slightly. Off the cape of Inubo. |
| | | S | 14 | 46 | 11.7 | | | | | | |
| | | M | 14 | 46 | 11.9 | 1.0 | +170 | ±85 | | | |
| | | F | 14 | 48 | 05 | | | | | | |
| 229 | June 18 | eP | 19 | 36 | 46.3 | | | | | | |
| | | eL | 20 | 01 | 19.1 | | | | | | |
| | | ME | 20 | 20 | 54.2 | 20.0 | ±125 | | | | |
| | | FE | 21 | 00 | ± | | | | | | |
| 230 | June 19 | eP | 16 | 26 | 02.8 | | | | | 100 | |
| | | S | 16 | 26 | 16.3 | | | | | | |
| | | F | 16 | 27 | 29 | | | | | | |
| 231 | June 20 | eP | 0 | 19 | 10.4 | | | | | 463 | |
| | | eS | 0 | 20 | 12.8 | | | | | | |
| | | F | 0 | 21 | 27 | | | | | | |
| 232 | June 20 | P | 21 | 22 | 53.6 | | | | | 42 | |
| | | S | 21 | 22 | 59.2 | | | | | | |
| | | F | 21 | 23 | 24 | | | | | | |
| 233 | June 22 | eP | 2 | 12 | 31.4 | | | | | 67 | |
| | | S | 2 | 12 | 40.4 | | | | | | |
| | | F | 2 | 13 | 15 | | | | | | |
| 234 | June 22 | P | 9 | 36 | 06.7 | 2.0 | +305 | +270 | -895 | 31 | Felt rather strongly. Off the cape of Inubo. |
| | | S | 9 | 36 | 10.9 | | | | | | |
| | | M | 9 | 36 | 13.8 | 2.4 | ±11.200 | ±7.000 | | | |
| | | FE | 9 | 58 | ± | | | | | | |
| 235 | June 22 | P | 11 | 09 | 06.3 | | | | | 43 | |
| | | S | 11 | 09 | 12.1 | 1.4 | +15 | -20 | | | |
| | | F | 11 | 10 | 39 | | | | | | |
| 236 | June 22 | P | 12 | 41 | 25.6 | | | | | 39 | |
| | | S | 12 | 41 | 30.8 | 2.3 | +58 | -100 | | | |
| | | F | 12 | 44 | 36 | | | | | | |
| 237 | June 22 | eP | 13 | 53 | 44.7 | | | | | 33 | |
| | | S | 13 | 53 | 49.1 | | | | | | |
| | | F | 13 | 54 | 32 | | | | | | |
| 238 | June 22 | eP | 20 | 36 | 33.7 | | | | | | |
| | | F | 20 | 37 | 47 | | | | | | |
| 239 | June 22 | eL | 22 | 39 | ± | | | | | | |
| | | F | 23 | 43 | ± | | | | | | |

| No. | Date | Phase | Time | | | Period | Amplitude | | | Δ km. | Remarks |
|-----|---------|-------|--------|----|------|--------|-----------|-------|-------|-----------------|---------|
| | | | 135° E | | | | AE | AN | AZ | | |
| | | | h. | m | s. | | μ | μ | μ | | |
| 240 | June 22 | P | 23 | 25 | 13.6 | | | | 40 | | |
| | | S | 23 | 25 | 19.0 | | | | | | |
| | | F | 23 | 25 | 56 | | | | | | |
| 241 | June 23 | eP | 3 | 20 | 59.4 | | | | | | |
| | | F | 3 | 21 | 55 | | | | | | |
| 242 | June 23 | P | 3 | 36 | 02.9 | | | | 39 | | |
| | | S | 3 | 36 | 08.1 | | | | | | |
| | | F | 3 | 36 | 27 | | | | | | |
| 243 | June 23 | eP | 11 | 16 | 40.2 | | | | 29 | | |
| | | S | 11 | 16 | 44.1 | | | | | | |
| | | F | 11 | 17 | 10 | | | | | | |
| 244 | June 23 | P | 12 | 31 | 03.4 | 3.0 | -43 | | 56 | | |
| | | S | 12 | 31 | 10.9 | | | | | | |
| | | F | 12 | 33 | ± | | | | | | |
| 245 | June 23 | P | 12 | 32 | 18.8 | | | | 42 | | |
| | | S | 12 | 32 | 24.5 | | | | | | |
| | | F | 12 | 36 | ± | | | | | | |
| 246 | June 23 | eP | 12 | 35 | 50.5 | | | | | | |
| | | F | 12 | 36 | 26 | | | | | | |
| 247 | June 23 | P | 20 | 16 | 41.0 | | | | 44 | | |
| | | S | 20 | 16 | 46.9 | | | | | | |
| | | F | 20 | 17 | 56 | | | | | | |
| 248 | June 24 | eP | 6 | 39 | 17.3 | | | | | | |
| | | F | 6 | 39 | 40 | | | | | | |
| 249 | June 24 | eP | 6 | 42 | 39.6 | | | | | | |
| | | F | 6 | 42 | 55 | | | | | | |
| 250 | June 24 | P | 6 | 51 | 26.6 | | | | 43 | | |
| | | S | 6 | 51 | 32.4 | | | | | | |
| | | F | 6 | 52 | 37 | | | | | | |
| 251 | June 24 | eP | 7 | 07 | 20.7 | | | | | | |
| | | F | 7 | 07 | 45 | | | | | | |
| 252 | June 24 | eP | 7 | 17 | 48.2 | | | | | | |
| | | F | 7 | 18 | 06 | | | | | | |
| 253 | June 24 | eP | 7 | 25 | 06.2 | | | | | | |
| | | F | 7 | 25 | 18 | | | | | | |
| 254 | June 24 | eP | 7 | 29 | 22.5 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|--|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 7 | 29 | 54 | | | | | | |
| 255 | June 24 | eP | 8 | 48 | 16.9 | | | | | | |
| | | F | 8 | 48 | 48 | | | | | | |
| 256 | June 24 | eP | 10 | 04 | 52.1 | | | | | | |
| | | F | 10 | 05 | 17 | | | | | | |
| 257 | June 24 | P | 11 | 16 | 06.3 | | | | 54 | | |
| | | S | 11 | 16 | 13.5 | | | | | | |
| | | F | 11 | 17 | 16 | | | | | | |
| 258 | June 24 | eP | 18 | 15 | 06.7 | | | | | | |
| | | F | 18 | 15 | 34 | | | | | | |
| 259 | June 25 | P | 0 | 55 | 48.3 | | | | 74 | | |
| | | S | 0 | 55 | 58.3 | | | | | | |
| | | M | 0 | 56 | 00.5 | 0.8 | ±137 | ±137 | | | Felt slightly. Far off Kasima-nada. |
| | | F | 1 | 00 | ± | | | | | | |
| 260 | June 25 | P | 7 | 23 | 57.0 | | | | 58 | | |
| | | S | 7 | 24 | 04.8 | | | | | | |
| | | F | 7 | 24 | 56 | | | | | | |
| 261 | June 27 | eL | 4 | 25 | 22 | | | | | | |
| | | F | | 55 | ± | | | | | | |
| 262 | June 27 | P | 13 | 39 | 04.9 | | | | 55 | | |
| | | S | 13 | 39 | 12.2 | | | | | | |
| | | F | 13 | 40 | 22 | | | | | | |
| 263 | June 28 | P | 9 | 54 | 49.0 | | | | 84 | | |
| | | S | 9 | 55 | 00.3 | | | | | | |
| | | F | 9 | 55 | 52 | | | | | | |
| 264 | June 28 | eP | 14 | 04 | 55.5 | | | | 58 | | |
| | | eS | 14 | 05 | 03.3 | | | | | | |
| | | F | 14 | 05 | 50 | | | | | | |
| 265 | June 29 | P | 12 | 21 | 43.6 | | | | 35 | | |
| | | S | 12 | 21 | 48.3 | 0.9 | +175 | -62 | | | |
| | | F | 12 | 23 | 57 | | | | | | |
| 266 | June 30 | eP | 3 | 16 | 54.1 | | | | 567 | | |
| | | S | 3 | 18 | 10.5 | | | | | | |
| | | ME | 3 | 18 | 53.1 | 1.6 | ±30 | | | | |
| | | F | 3 | 33 | ± | | | | | | |
| 267 | July 2 | P | 0 | 37 | 04.5 | | | | 67 | | |
| | | S | 0 | 37 | 13.5 | 0.6 | +30 | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|---------|----------------|----------------|----|-------|--------------|-------------|-------------|-------------|---------------------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 0 | 39 | 10 | | | | | | |
| 268 | July 4 | P | 6 | 51 | 48.6 | | | | 25 | | |
| | | S | 6 | 51 | 52.0 | | | | | | |
| | | F | 6 | 52 | 02 | | | | | | |
| 269 | July 5 | eP | 10 | 39 | 41.3 | | | | | | |
| | | F | 10 | 40 | 23 | | | | | | |
| 270 | July 5 | eP | 22 | 48 | 05.6 | | | | | | |
| | | F | 22 | 48 | 58 | | | | | | |
| 271 | July 6 | eP | 4 | 54 | 42.0 | | | | | | |
| | | F | 4 | 55 | 45 | | | | | | |
| 272 | July 7 | P | 4 | 10 | 22.9 | | | | 33 | | |
| | | S | 4 | 10 | 27.4 | | | | | | |
| | | F | 4 | 10 | 57 | | | | | | |
| 273 | July 8 | P | 4 | 09 | 55.2 | | | | | | |
| | | S | 4 | 09 | 58.8 | 1.2 | +18 | +12 | 27 | | |
| | | M _N | 4 | 09 | 59.8 | 1.2 | | ± 34 | | | |
| | | F | 4 | 11 | 14 | | | | | | |
| 274 | July 10 | P | 6 | 43 | 25.8 | | | | | | |
| | | F | 6 | 44 | 10 | | | | | | |
| 275 | July 10 | eP | 12 | 38 | 14.4 | | | | 480 | | |
| | | S | 12 | 39 | 19.1 | | | | | | |
| | | F | 12 | 40 | 33 | | | | | | |
| 276 | July 10 | P | 16 | 46 | 24.0 | | | | 423 | | |
| | | S | 16 | 47 | 21.0 | | | | | | |
| | | M | 16 | 48 | 12.6 | 2.8 | ± 46 | ± 23 | | | |
| | | F | 17 | 11 | \pm | | | | | | |
| 277 | July 10 | eP | 23 | 10 | 19.8 | | | | 36 | | |
| | | eS | 23 | 10 | 24.6 | | | | | | |
| | | F | 23 | 10 | 38 | | | | | | |
| 278 | July 11 | P | 16 | 11 | 26.8 | | | | 62 | | |
| | | S | 16 | 11 | 35.2 | | | | | | |
| | | F | 16 | 13 | 14 | | | | | | |
| 279 | July 11 | P | 17 | 38 | 58.9 | 1.5 | - 3 | + 4 | 67 | Felt slightly. | |
| | | S | 17 | 39 | 07.9 | | | | | SE-ern off the cape | |
| | | M _N | 17 | 39 | 08.6 | 0.5 | | +190 | | of Imubo. | |
| | | M _E | 17 | 39 | 10.3 | 0.5 | +130 | | | | |
| | | F | 17 | 44 | \pm | | | | | | |
| 280 | July 11 | P | 21 | 21 | 50.0 | | | | 45 | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|------------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 281 | July 11 | S | 21 | 21 | 56.0 | | | | 58 | | |
| | | F | 21 | 22 | 23 | | | | | | |
| | | P | 21 | 24 | 26.2 | | | | | | |
| 282 | July 11 | S | 21 | 24 | 34.0 | | | | 92 | | |
| | | F | 21 | 25 | 10 | | | | | | |
| | | P | 15 | 09 | 16.7 | | | | | | |
| 283 | July 12 | S | 15 | 09 | 29.1 | | | | 53 | | |
| | | F | 15 | 10 | 50 | | | | | | |
| | | P | 17 | 12 | 06.2 | | | | | | |
| 284 | July 12 | S | 17 | 12 | 13.3 | | | | 65 | | |
| | | F | 17 | 13 | 52 | | | | | | |
| | | eP | 17 | 36 | 39.0 | | | | | | |
| 285 | July 12 | F | 17 | 37 | 00 | 0.6 0.8 | +11 | -10 +27 | 57 | | |
| | | P | 18 | 07 | 01.7 | | | | | | |
| | | S | 18 | 07 | 10.4 | | | | | | |
| | | M | 18 | 07 | 11.3 | | | | | | |
| 286 | July 12 | F | 18 | 09 | 33 | | | | 65 | | |
| | | eP | 18 | 25 | 47.0 | | | | | | |
| | | F | 18 | 26 | 13 | | | | | | |
| 287 | July 12 | P | 18 | 56 | 00.2 | | | | 57 | | |
| | | S | 18 | 56 | 07.8 | | | | | | |
| | | F | 18 | 57 | 15 | | | | | | |
| 288 | July 12 | P | 18 | 57 | 15 | | | | 59 | | |
| | | eP | 19 | 42 | 32.3 | | | | | | |
| | | S | 19 | 42 | 40.2 | | | | | | |
| 289 | July 12 | F | 19 | 43 | 27 | | | | 158 | | |
| | | P | 22 | 03 | 03.1 | | | | | | |
| | | S | 22 | 03 | 24.3 | | | | | | |
| 290 | July 13 | F | 22 | 04 | 36 | | | | 74 | | |
| | | P | 14 | 09 | 36.9 | | | | | | |
| | | S | 14 | 09 | 47.8 | | | | | | |
| 291 | July 13 | F | 14 | 10 | 27 | | | | 77 | | |
| | | P | 21 | 40 | 23.2 | | | | | | |
| | | S | 21 | 40 | 33.6 | | | | | | |
| 292 | July 14 | F | 21 | 41 | 37 | | | | 22 | | |
| | | P | 14 | 48 | 57.7 | | | | | | |
| | | S | 14 | 49 | 00.7 | | | | | | |
| | | F | 14 | 49 | 21 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | S | 21 | 51 | 26.1 | | | | | | |
| | | F | 21 | 52 | 18 | | | | | | |
| 294 | July 16 | eP | 8 | 19 | 17.2 | | | | 499 | | |
| | | S | 8 | 20 | 24.5 | | | | | | |
| | | F | 8 | 26 | ± | | | | | | |
| 295 | July 16 | P | 10 | 19 | 03.2 | | | | 45 | | |
| | | S | 10 | 19 | 12.3 | | | | | | |
| | | F | 10 | 19 | 22 | | | | | | |
| 296 | July 21 | eP | 21 | 47 | 29.2 | | | | 3880 | | |
| | | eS | 21 | 53 | 09.4 | | | | | | |
| | | F | 22 | 01 | | | | | | | |
| 297 | July 22 | P | 15 | 04 | 14.6 | | | | 118 | | |
| | | S | 15 | 04 | 30.5 | | | | | | |
| | | F | 15 | 05 | 58 | | | | | | |
| 298 | July 23 | eP | 7 | 56 | 22.5 | | | | 55 | | |
| | | S | 7 | 56 | 29.8 | | | | | | |
| | | F | 7 | 56 | 55 | | | | | | |
| 299 | July 23 | P | 9 | 27 | 20.1 | | | | 142 | | |
| | | S | 9 | 27 | 39.2 | | | | | | |
| | | F | 9 | 28 | 31 | | | | | | |
| 300 | July 23 | P | 16 | 32 | 48.1 | | | | 28 | | |
| | | S | 16 | 32 | 51.8 | | | | | | |
| | | F | 16 | 34 | 10 | | | | | | |
| 301 | July 24 | eP | 2 | 40 | 05.0 | | | | 32 | | |
| | | S | 2 | 40 | 09.3 | | | | | | |
| | | F | 2 | 40 | 50 | | | | | | |
| 302 | July 24 | eP | 19 | 49 | 24.0 | | | | | | |
| | | F | | 51 | 01 | | | | | | |
| 303 | July 24 | P | 22 | 52 | 03.7 | | | | 35 | | |
| | | S | 22 | 52 | 08.4 | | | | | | |
| | | F | 22 | 52 | 34 | | | | | | |
| 304 | July 25 | P | 2 | 46 | 54.1 | | | | 25 | | |
| | | S | 2 | 46 | 57.5 | | | | | | |
| | | F | 2 | 47 | 10 | | | | | | |
| 305 | July 25 | P | 2 | 50 | 10.5 | | | | 28 | | |
| | | S | 2 | 50 | 14.2 | | | | | | |
| | | F | 2 | 50 | 25 | | | | | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|--|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | S | 17 | 26 | 44.1 | | | | | | |
| | | M | 17 | 26 | 47.2 | 1.0 | +66 | +64 | | | |
| | | F | 17 | 36 | ± | | | | | | |
| 307 | July 27 | P | 9 | 32 | 13.6 | | | | 453 | | |
| | | S ₁ | 9 | 33 | 14.6 | | | | | | |
| | | S ₂ | 9 | 33 | 18.3 | | | | | | |
| | | F | 9 | 37 | ± | | | | | | |
| 308 | July 28 | eP | 12 | 44 | 52.6 | | | | | | |
| | | F | 12 | 48 | ± | | | | | | |
| 309 | July 29 | P | 21 | 32 | 02.9 | | | | 20 | | |
| | | S | 21 | 32 | 05.6 | | | | | | |
| | | F | 21 | 32 | 14 | | | | | | |
| 310 | July 30 | P | 1 | 36 | 08.3 | | | | 76 | | |
| | | S | 1 | 36 | 18.5 | | | | | | |
| | | M | 1 | 36 | 19.2 | 0.9 | -80 | -70 | | | Felt slightly. E-ern off to the mouth of the river Mabuti. |
| | | F | 1 | 40 | ± | | | | | | |
| 311 | July 30 | eP | 6 | 54 | 20.6 | | | | | | |
| | | F | 6 | 59 | ± | | | | | | |
| 312 | July 31 | P | 11 | 19 | 16.2 | | | | 67 | | |
| | | S | 11 | 19 | 25.2 | | | | | | |
| | | F | 11 | 20 | 03 | | | | | | |
| 313 | Aug .1 | eP | 12 | 14 | 37.5 | | | | 350 | | |
| | | S | 12 | 15 | 24.5 | | | | | | |
| | | F | 12 | 16 | 28 | | | | | | |
| 314 | Aug .1 | P | 13 | 36 | 22.0 | | | | 130 | | |
| | | S | 13 | 36 | 39.5 | | | | | | |
| | | F | 13 | 38 | ± | | | | | | |
| 315 | Aug .4 | eP | 3 | 59 | 05.1 | | | | | | |
| | | F | 4 | 03 | ± | | | | | | |
| 316 | Aug .4 | eP | 8 | 51 | 17.1 | | | | | | |
| | | F | 8 | 53 | 13 | | | | | | |
| 317 | Aug .4 | eS | 15 | 42 | 27.8 | | | | | | |
| | | F | 15 | 46 | ± | | | | | | |
| 318 | Aug .4 | P | 18 | 12 | 19.5 | | | | 29 | | |
| | | S | 18 | 12 | 23.4 | | | | | | |
| | | F | 18 | 12 | 55 | | | | | | |
| 319 | Aug .5 | eP | 21 | 45 | 32.0 | | | | 240 | | |
| | | S | 21 | 46 | 04.8 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | | | | | | | | | | |
| | | F | 21 | 47 | 22.0 | | | | | | |
| 320 | Aug. 5 | eP | 21 | 50 | 40.5 | | | | | | |
| | | F | 21 | 51 | 15 | | | | | | |
| 321 | Aug. 6 | eP | 16 | 39 | 02.3 | | | | | | |
| | | F | 16 | 39 | 32 | | | | | | |
| 322 | Aug. 7 | P | 7 | 45 | 14.8 | | | | 70 | | |
| | | S | 7 | 45 | 24.2 | | | | | | |
| | | F | 7 | 47 | 11 | | | | | | |
| 323 | Aug. 7 | P | 16 | 45 | 12.0 | | | | 59 | | |
| | | F | 16 | 46 | 11 | | | | | | |
| 324 | Aug. 8 | eP | 13 | 24 | 50.3 | | | | 154 | | |
| | | S | 13 | 25 | 11.1 | | | | | | |
| | | F | 13 | 27 | 05 | | | | | | |
| 325 | Aug. 8 | eP | 16 | 29 | 51.1 | | | | | | |
| | | F | 16 | 30 | 25 | | | | | | |
| 326 | Aug.10 | eP | 4 | 41 | 57.6 | | | | 88 | | |
| | | eS | 4 | 42 | 09.5 | | | | | | |
| | | F | 4 | 42 | 47 | | | | | | |
| 327 | Aug.10 | P | 8 | 45 | 40.6 | | | | 23 | | |
| | | S | 8 | 45 | 43.7 | | | | | | |
| | | F | 8 | 46 | 02 | | | | | | |
| 328 | Aug.10 | eP | 8 | 59 | 06.7 | | | | 418 | | |
| | | eS | 9 | 00 | 03.0 | | | | | | |
| | | F | 9 | 01 | 07 | | | | | | |
| 329 | Aug.13 | eP | 0 | 21 | 52.6 | | | | 73 | | |
| | | S | 0 | 22 | 02.5 | | | | | | |
| | | F | 0 | 22 | 35 | | | | | | |
| 330 | Aug.14 | P | 7 | 30 | 20.2 | | | | 379 | | |
| | | S | 7 | 31 | 11.3 | | | | | | |
| | | F | 7 | 31 | 48 | | | | | | |
| 331 | Aug.14 | P | 13 | 46 | 56.6 | | | | 2623 | | |
| | | S | 13 | 52 | 50.1 | | | | | | |
| | | MEN | 13 | 52 | 51.5 | 4.8 | ±59 | +21 | | | |
| | | F | 14 | 04 | | | | | | | |
| 332 | Aug.14 | P | 19 | 17 | 10.8 | | | | 119 | | |
| | | S | 19 | 17 | 26.8 | | | | | | |
| | | F | 19 | 19 | 01 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|--|----------------|----|------------------------------------|-------------------|-------------|-------------|---------|---|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 333 | Aug 14 | P S F | 20 | 01 | 37.7 43.1 36 | | | | 40 | | |
| 334 | Aug 14 | iP S M _N M _E F | 21 | 57 | 55.9 01.3 02.3 02.6 56 | 0.4 0.9 1.4 | - 4 +458 | +39 +395 | 40 | Felt moderately. S-ern off the cape of Inubo. | |
| 335 | Aug.14 | P S M _E M _N F | 22 | 14 | 56.7 02.4 02.7 03.3 43 | 1.1 0.9 | +29 | +79 | 42 | | |
| 336 | Aug.14 | P S F | 23 | 58 | 13.3 19.0 53 | | | | 42 | | |
| 337 | Aug.15 | eP S F | 5 | 25 | 31.5 37.0 33 | | | | 41 | | |
| 338 | Aug 15 | eP iS F | 11 | 30 | 16.9 22.8 45 | | | | 44 | | |
| 339 | Aug.15 | eP S F | 15 | 02 | 08.1 16.9 09 | | | | 65 | | |
| 340 | Aug 17 | eP F | 2 | 52 | 39.9 58 | | | | | | |
| 341 | Aug.17 | iP F | 21 | 33 | 49.2 33 | | | | | | |
| 342 | Aug.18 | eP F | 7 | 27 | 15.8 40 | | | | | | |
| 343 | Aug.18 | eP F | 9 | 56 | 24.0 59 | | | | | | |
| 344 | Aug 20 | eP iS F | 18 | 40 | 37.5 09.9 18 | | | | 240 | | |
| 345 | Aug.20 | eP S F | 23 | 54 | 29.6 50.5 12 | | | | 155 | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|--------------|----------------|----------------|--------------------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 346 | Aug.21 | eP F | 18 18 | 05 06 | 03.2 03 | | | | | | |
| 347 | Aug.22 | eP S F | 12 12 12 | 51 51 52 | 41.9 49.1 40 | | | | 53 | | |
| 348 | Aug.24 | P F | 7 7 | 50 50 | 30.0 59 | | | | | | |
| 349 | Aug.27 | eP F | 20 20 | 36 36 | 09.8 50 | | | | | | |
| 350 | Aug.29 | P F | 11 11 | 28 29 | 50.4 36 | | | | | | |
| 351 | Aug.29 | P S F | 14 14 14 | 53 53 54 | 38.0 43.9 04 | | | | 44 | | |
| 352 | Aug.30 | P F | 22 22 | 05 05 | 03.1 25 | | | | | | |
| 353 | Aug.31 | P S F | 10 10 10 | 33 33 33 | 13.4 16.6 40 | 1.1 | -13 | -11 | 24 | | |

THE

EXCHANGE
AUG 4 1933

SEISMOLOGICAL BULLETIN

OF THE

TYOSI METEOROLOGICAL OBSERVATORY

TYOSI, JAPAN

No. 3. 1932.

From Sept. to Dec.

TYOSI

Dec. 1932.



SEISMIC BULLETIN

TYOSI METEOROLOGICAL OBSERVATORY

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

INSTRUMENTAL CONSTANTS

| INSTRUMENT | COMPONENT | MASS kg | DAMPING | T° | $\frac{r}{T_0^2}$ | ϵ | V |
|------------|-----------|------------|----------|-------------|-------------------|------------|-----|
| Wiechert | N-S | 200 | Air | 4.3 | 0.041 | 4.3 | 69 |
| | E-W | 200 | " | 7.8 | 0.022 | 4.0 | 77 |
| Wiechert | U-D | 80 | Magnetic | 3.8 | 0.011 | 4.3 | 62 |
| Omori | N-S | 14.5 | " | 20 | 0.003 | 2-4 | 20 |
| Omori | E-W | 15.0 | " | 20 | 0.004 | 2-4 | 20 |
| Omori | N-S | 46.1 | " | 18 | — | — | 120 |
| Omori | N-S | 20 | " | 4 | 0.065 | — | 50 |
| | E-W | 20 | " | 4 | 0.065 | — | 50 |
| C. M. O. | N-S | 2.3 | Magnetic | 2.5 | 0.001 | 2 | 2 |
| | E-W | 2.3 | " | 2.3 | 0.005 | 2 | 2 |
| | U-D | 2.3 | " | 3.0 | 0.019 | 2 | 3 |
| Omori | U-D | 6.1 | " | 5 | — | — | 20 |

No. 1

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | Δ km. | Remarks | | | |
|-----|---------|-------|----------------|----|------|--------------|-------------|-------------|-------------|-----------------|---------|------|------|------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | | | | |
| 354 | Sept. 1 | iP | 19 | 38 | 49.6 | | | | | | | | | |
| | | F | 19 | 39 | 10 | | | | | | | | | |
| 355 | Sept. 2 | iP | 11 | 41 | 39.8 | 1.4 | + 4 | + 4 | - 5 | 49 | | | | |
| | | S | 11 | 41 | 46.4 | | | | | | 1.2 | + 37 | - 43 | - 11 |
| | | F | 11 | 45 | | | | | | | | | | |
| 356 | Sept. 2 | eP | 18 | 48 | 45.6 | | | | 43 | | | | | |
| | | S | 18 | 48 | 51.4 | | | | | | | | | |
| | | F | 18 | 49 | 26 | | | | | | | | | |
| 367 | Sept. 2 | eP | 21 | 17 | 14.0 | | | | 42 | | | | | |
| | | S | 21 | 17 | 19.7 | | | | | | | | | |
| | | F | 21 | 17 | 50 | | | | | | | | | |
| 358 | Sept. 2 | P | 21 | 59 | 23.7 | | | | 42 | | | | | |
| | | S | 21 | 59 | 29.3 | | | | | | | | | |
| | | F | 22 | 01 | 34 | | | | | | | | | |
| 359 | Sept. 2 | P | 22 | 01 | 32.0 | | | | 52 | | | | | |
| | | S | 22 | 01 | 39.0 | | | | | | | | | |
| | | F | 22 | 04 | 16 | | | | | | | | | |
| 360 | Sept. 3 | eP | 1 | 37 | 09.5 | | | | | | | | | |
| | | F | 1 | 38 | 10 | | | | | | | | | |
| 361 | Sept. 3 | eP | 3 | 35 | 09.6 | | | | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 3 | 37 | 24 | | | | | | |
| 362 | Sept. 3 | eP | 9 | 56 | 55.2 | | | | 154 | | |
| | | S | 9 | 57 | 16.0 | | | | | | |
| | | F | 10 | 05 | | | | | | | |
| 363 | Sept. 3 | eP | 17 | 50 | 23.0 | | | | 49 | | |
| | | S | 17 | 50 | 29.6 | | | | | | |
| | | F | 17 | 51 | 30 | | | | | | |
| 364 | Sept. 3 | S | 17 | 52 | 42.9 | | | | | | |
| | | F | 17 | 53 | 00 | | | | | | |
| 365 | Sept. 3 | P | 21 | 00 | 16.7 | 2.9 | - 3 | -10 | 632 | | |
| | | P ₁ | 21 | 00 | 33.1 | 4.1 | - 23 | -53 | | | |
| | | S | 21 | 01 | 19.1 | | | | | | |
| | | S ₁ | 21 | 01 | 41.9 | | | | | | |
| | | M _N | 21 | 02 | 28.6 | 2.9 | | +96 | | | |
| | | M _E | 21 | 03 | 18.0 | 5.9 | -147 | | | | |
| | | C | 21 | 14 | | | | | | | |
| | | F | 21 | 23 | | | | | | | |
| 366 | Sept. 3 | eP | 23 | 20 | 33.9 | | | | | | |
| | | F | 23 | 22 | | | | | | | |
| 367 | Sept. 4 | eP | 10 | 03 | 30.8 | | | | | | |
| | | F | 10 | 05 | 21 | | | | | | |
| 368 | Sept. 4 | eP | 21 | 29 | 58.8 | | | | 453 | | |
| | | S | 21 | 30 | 59.8 | | | | | | |
| | | F | 21 | 34 | 29 | | | | | | |
| 369 | Sept. 5 | eP | 11 | 43 | 04.1 | | | | 474 | | |
| | | S | 11 | 44 | 08.0 | | | | | | |
| | | F | 11 | 47 | | | | | | | |
| 370 | Sept. 5 | P | 12 | 09 | 25.9 | | | | 460 | | |
| | | S | 12 | 10 | 27.9 | | | | | | |
| | | F | 12 | 13 | | | | | | | |
| 371 | Sept. 5 | P | 14 | 46 | 27.6 | | | | 30 | | |
| | | S | 14 | 46 | 31.7 | | | | | | |
| | | F | 14 | 47 | 36 | | | | | | |
| 372 | Sept. 5 | S | 18 | 20 | 54.7 | | | | | | |
| | | F | 18 | 21 | 28 | | | | | | |
| 373 | Sept. 5 | P | 21 | 57 | 35.8 | | | | 512 | | |
| | | S | 21 | 58 | 36.7 | | | | | | |
| | | F | 22 | 00 | 26 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|--------------|----------------|----|--------------------|--------------|------------|-------------------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 374 | Sept. 7 | eP S F | 0 | 36 | 31.0 40.0 41 | | | | 67 | | |
| 375 | Sept. 7 | iP S F | 20 | 31 | 41.5 46.7 35 | 1.0 1.0 | + 6 -43 | - 5 -73 +10 | 39 | | |
| 376 | Sept. 8 | P S F | 3 | 22 | 03.7 10.8 34 | | | | 53 | | |
| 377 | Sept. 8 | S F | 4 | 48 | 55.9 49 | | | | | | |
| 378 | Sept. 8 | S F | 14 | 39 | 53.4 12 | | | | | | |
| 379 | Sept. 9 | P F | 21 | 51 | 05.0 44 | | | | | | |
| 380 | Sept.10 | P S F | 5 | 31 | 16.3 25.2 28 | | | | 66 | | |
| 381 | Sept.10 | eP F | 9 | 43 | 40.2 25 | | | | | | |
| 382 | Sept.12 | eP F | 17 | 47 | 02.9 37 | | | | | | |
| 383 | Sept.13 | P F | 15 | 12 | 14.0 44 | | | | | | |
| 384 | Sept.13 | P S F | 15 | 16 | 34.0 40.6 08 | 1.9 | + 21 | -18 | 49 | | |
| 385 | Sept.13 | eP F | 20 | 02 | 45.5 44 | | | | | | |
| 386 | Sept.14 | eP S F | 2 | 02 | 46.0 50.5 16 | | | | 33 | | |
| 387 | Sept.14 | iP S F | 7 | 18 | 24.9 31.7 36 | 1.8 | + 12 | -32 | 50 | | |
| 388 | Sept.14 | eP | 17 | 06 | 47.1 | | | | 30 | | |

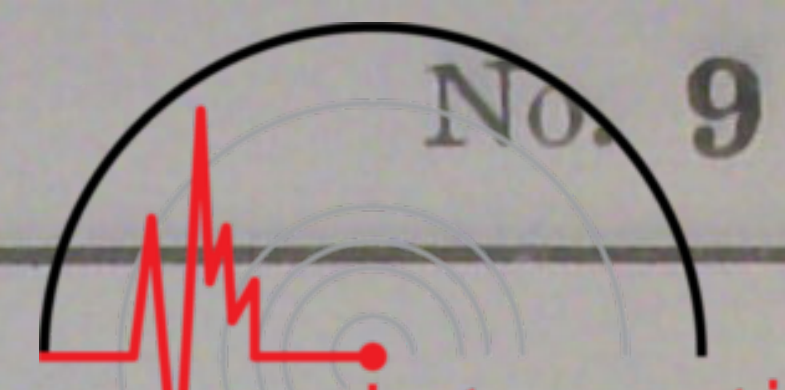
| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| | | S | 17 | 06 | 51.2 | | | | | | |
| | | F | 17 | 07 | 14 | | | | | | |
| 389 | Sept.17 | eP | 8 | 19 | 50.1 | | | | 51 | | |
| | | S | 8 | 19 | 57.0 | | | | | | |
| | | F | 8 | 20 | 54 | | | | | | |
| 390 | Sept.17 | eP | 22 | 42 | 01.1 | | | | | | |
| | | F | 22 | 42 | 46 | | | | | | |
| 391 | Sept.19 | eP | 1 | 15 | 00.0 | | | | 98 | | |
| | | S | 1 | 15 | 13.2 | | | | | | |
| | | F | 1 | 16 | 13 | | | | | | |
| 392 | Sept.19 | eP | 3 | 19 | 02.9 | | | | 80 | | |
| | | S | 3 | 19 | 13.7 | | | | | | |
| | | F | 3 | 20 | 09 | | | | | | |
| 393 | Sept.19 | S | 22 | 34 | 38.9 | | | | | | |
| | | F | 22 | 35 | 29 | | | | | | |
| 394 | Sept.19 | P | 23 | 12 | 46.5 | | | | 80 | | |
| | | S | 23 | 12 | 57.3 | | | | | | |
| | | MEN | 23 | 13 | 00.7 | 0.9 | +33 | +31 | | | |
| | | F | 23 | 14 | 29 | | | | | | |
| 395 | Sept.23 | P | 18 | 50 | 17.4 | | | | | | |
| | | F | 18 | 51 | 00 | | | | | | |
| 396 | Sept.23 | P | 23 | 24 | 18.0 | | | | 732 | | |
| | | P ₁ | 23 | 24 | 20.7 | 1.0 | | + 5 | - 7 | | |
| | | S | 23 | 25 | 56.7 | 1.2 | -96 | +18 | | | |
| | | ME | 23 | 26 | 06.0 | 1.2 | -1244 | | | | |
| | | MZ | 23 | 26 | 10.2 | 1.0 | | | ±26 | | |
| | | MN | 23 | 26 | 13.9 | 1.5 | | ±122 | | | |
| | | F | 24 | 00 | | | | | | | |
| 397 | Sept.24 | S | 23 | 52 | 14.3 | | | | | | |
| | | F | 23 | 52 | 38 | | | | | | |
| 398 | Sept.25 | eP | 23 | 14 | 32.3 | | | | 91 | | |
| | | S | 23 | 14 | 44.5 | | | | | | |
| | | F | 23 | 16 | 04 | | | | | | |
| 399 | Sept.26 | eP | 19 | 23 | 20.9 | | | | 62 | | |
| | | S | 19 | 23 | 29.2 | | | | | | |
| | | F | 19 | 25 | 47 | | | | | | |
| 400 | Sept.27 | eP | 4 | 33 | 21.0 | | | | 143000 | | |
| | | L | 5 | 08 | 01 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks | |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|--|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | | |
| 401 | Sept.27 | ME | 5 | 08 | 41 | 15.6 | ±44 | | | | | |
| | | F | 5 | 33 | | | | | | | | |
| 401 | Sept.27 | S | 5 | 32 | 59.9 | | | | | | | |
| | | F | 5 | 33 | 36 | | | | | | | |
| 402 | Sept.29 | eP | 1 | 35 | 14.7 | | | | | | | |
| | | F | 1 | 35 | 36 | | | | | | | |
| 403 | Sept.29 | P | 15 | 18 | 20.2 | | | | | | | |
| | | F | 15 | 19 | 16 | | | | | | | |
| 404 | Sept.30 | eP | 2 | 49 | 59.1 | | | | | 1231 | | |
| | | S | 2 | 52 | 45.1 | | | | | | | |
| | | L | 2 | 57 | 57 | | | | | | | |
| | | ⊙ _c | 3 | 09 | | | | | | | | |
| | | F | 3 | 40 | | | | | | | | |
| 405 | Sept.30 | P | 13 | 56 | 37.9 | | | | | 427 | | |
| | | S | 13 | 57 | 35.4 | | | | | | | |
| | | F | 13 | 59 | 26 | | | | | | | |
| 406 | Sept.30 | S | 15 | 48 | 38.5 | | | | | | | |
| | | F | 15 | 49 | 20 | | | | | | | |
| 407 | Oct. 2 | eP | 0 | 09 | 57.4 | 3.2 | -23 | - 8 | | | 620 | |
| | | S | 0 | 11 | 20.9 | | | | | | | |
| | | MEN | 0 | 11 | 26.3 | | | | | | | |
| | | F | 0 | 16 | 27 | | | | | | | |
| 408 | Oct. 2 | P | 23 | 36 | 30.6 | | | | | 105 | | |
| | | S | 23 | 36 | 44.8 | | | | | | | |
| | | F | 23 | 38 | 23 | | | | | | | |
| 409 | Oct. 4 | eP | 13 | 18 | 09.8 | 1.8 | +16 | -10 | | | 39 | |
| | | S | 13 | 18 | 15.1 | | | | | | | |
| | | F | 13 | 18 | 46 | | | | | | | |
| 410 | Oct. 4 | iP | 17 | 04 | 05.9 | | | | | 36 | | |
| | | S | 17 | 04 | 10.8 | | | | | | | |
| | | F | 17 | 05 | 06 | | | | | | | |
| 411 | Oct. 5 | eP | 3 | 44 | 33.3 | | | | | 71 | | |
| | | S | 3 | 44 | 42.9 | | | | | | | |
| | | F | 3 | 45 | 38 | | | | | | | |
| 412 | Oct. 5 | eP | 12 | 50 | 43.6 | | | | | 274 | | |
| | | S | 12 | 51 | 20.5 | | | | | | | |
| | | F | 12 | 53 | 28 | | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 413 | Oct. 5 | iP | 23 | 00 | 19.9 | 1.0 | + 5 | - 5 | | 61 | |
| | | S | 23 | 00 | 28.1 | 1.4 | -160 | -41 | | | |
| | | ME | 23 | 00 | 29.6 | 1.4 | +174 | | | | |
| | | Mz | 23 | 00 | 39.3 | 1.2 | | | -44 | | |
| | | MN | 23 | 00 | 42.3 | 1.2 | | -139 | | | |
| | | C | 23 | 04 | 20 | | | | | | |
| | | F | 23 | 07 | | | | | | | |
| 414 | Oct. 5 | P | 23 | 08 | 30.8 | | | | | 61 | |
| | | S | 23 | 08 | 39.0 | 1.2 | -71 | +36 | | | |
| | | ME | 23 | 08 | 40.7 | 1.2 | +90 | | | | |
| | | Mz | 23 | 08 | 42.0 | 1.2 | | | -17 | | |
| | | M _w | 23 | 08 | 44.8 | 1.0 | | -61 | | | |
| | | F | 23 | 12 | 31 | | | | | | |
| 415 | Oct. 5 | S | 23 | 56 | 21.5 | | | | | | |
| | | F | 23 | 56 | 44 | | | | | | |
| 416 | Oct. 6 | P | 0 | 02 | 40.3 | | | | | | |
| | | F | 0 | 03 | 27 | | | | | | |
| 417 | Oct. 6 | P | 0 | 08 | 07.6 | | | | | 62 | |
| | | S | 0 | 08 | 16.0 | | | | | | |
| | | F | 0 | 09 | 28 | | | | | | |
| 418 | Oct. 6 | eP | 0 | 14 | 30.4 | | | | | 84 | |
| | | S | 0 | 14 | 41.7 | | | | | | |
| | | F | 0 | 15 | 40 | | | | | | |
| 419 | Oct. 6 | S | 1 | 10 | 49.5 | | | | | | |
| | | F | 1 | 12 | 12 | | | | | | |
| 420 | Oct. 6 | S | 1 | 51 | 48.3 | | | | | | |
| | | F | 1 | 52 | 24 | | | | | | |
| 421 | Oct. 6 | eP | 14 | 02 | 27.7 | | | | | 508 | |
| | | S | 14 | 03 | 36.2 | | | | | | |
| | | M _{EN} | 14 | 03 | 39.4 | 1.4 | +28 | +20 | | | |
| | | F | 14 | 06 | 06 | | | | | | |
| 422 | Oct. 6 | S | 22 | 33 | 03.1 | | | | | | |
| | | F | 22 | 33 | 24 | | | | | | |
| 423 | Oct. 7 | eP | 7 | 09 | 28.4 | | | | | 45 | |
| | | S | 7 | 09 | 34.4 | | | | | | |
| | | F | 7 | 11 | 04 | | | | | | |
| 424 | Oct. 7 | P | 9 | 24 | 42.1 | | | | | | |
| | | F | 9 | 24 | 57 | | | | | | |
| 425 | Oct. 7 | P | 14 | 24 | 21.5 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 14 | 24 | 52 | | | | | | |
| 426 | Oct. 7 | P | 17 | 56 | 05.9 | | | | | | |
| | | F | 17 | 56 | 46 | | | | | | |
| 427 | Oct. 7 | P | 20 | 40 | 03.9 | | | | | | |
| | | F | 20 | 40 | 16 | | | | | | |
| 428 | Oct. 8 | eP | 9 | 20 | 15.8 | | | | 78 | | |
| | | S | 9 | 20 | 26.3 | | | | | | |
| | | F | 9 | 21 | 06 | | | | | | |
| 429 | Oct. 8 | S | 17 | 59 | 34.9 | | | | | | |
| | | F | 17 | 59 | 54 | | | | | | |
| 430 | Oct. 9 | eS | 22 | 42 | 05.6 | | | | | | |
| | | F | 22 | 42 | 25 | | | | | | |
| 431 | Oct. 10 | iP | 12 | 03 | 34.5 | 0.7 | - 4 | + 6 | 27 | | |
| | | S | 12 | 03 | 38.1 | | | | | | |
| | | F | 12 | 04 | 12 | | | | | | |
| 432 | Oct. 10 | P | 18 | 03 | 34.5 | | | | 372 | | |
| | | P _I | 18 | 03 | 43.1 | | | | | | |
| | | S | 18 | 04 | 24.6 | | | | | | |
| | | MEN | 18 | 04 | 40.8 | 1.0 | -26 | - 28 | | | |
| | | F | 18 | 08 | 11 | | | | | | |
| 433 | Oct. 12 | S | 4 | 59 | 10.7 | | | | | | |
| | | F | 4 | 59 | 23 | | | | | | |
| 434 | Oct. 12 | S | 7 | 02 | 31.6 | | | | | | |
| | | F | 7 | 02 | 39 | | | | | | |
| 435 | Oct. 13 | eP | 7 | 56 | 37.9 | | | | | | |
| | | F | 7 | 57 | 59 | | | | | | |
| 436 | Oct. 14 | P | 3 | 45 | 26.5 | | | | 102 | | |
| | | S | 3 | 45 | 40.2 | | | | | | |
| | | F | 3 | 46 | 35 | | | | | | |
| 437 | Oct. 14 | iP | 14 | 36 | 09.9 | | | | 103 | | |
| | | eS | 14 | 36 | 23.8 | | | | | | |
| | | ME | 14 | 36 | 24.4 | 0.9 | +32 | | | | |
| | | MN | 14 | 36 | 31.9 | 1.4 | | ±18 | | | |
| | | F | 14 | 37 | 44 | | | | | | |
| 438 | Oct. 14 | eP | 21 | 19 | 58.2 | | | | | | |
| | | F | 21 | 20 | 23 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 439 | Oct. 14 | P | 21 | 37 | 18.3 | | | | | 378 | |
| | | S | 21 | 38 | 09.3 | | | | | | |
| | | ME | 21 | 38 | 10.0 | 1.2 | +32 | | | | |
| | | MN | 21 | 38 | 13.4 | 1.0 | | +25 | | | |
| | | F | 21 | 40 | 44 | | | | | | |
| 440 | Oct. 16 | P | 6 | 49 | 49.8 | | | | | 22 | |
| | | S | 6 | 49 | 52.7 | 0.5 | +5.4 | -11.4 | | | |
| | | F | 6 | 50 | 14 | | | | | | |
| 441 | Oct. 16 | P | 9 | 09 | 41.5 | | | | | 56 | Felt slightly. S-ern off the cape of Inubo. |
| | | S | 9 | 09 | 49.0 | 1.2 | +44 | -108 | -28 | | |
| | | MN | 9 | 09 | 50.4 | 1.3 | | +310 | | | |
| | | MZ | 9 | 09 | 52.3 | 1.3 | | | +76 | | |
| | | ME | 9 | 09 | 54.4 | 2.5 | -470 | | | | |
| | | F | 9 | 18 | | | | | | | |
| 442 | Oct. 16 | P | 9 | 18 | 11.7 | | | | | 56 | |
| | | S | 9 | 18 | 19.2 | 0.7 | -16 | -6 | | | |
| | | F | 9 | 19 | 27 | | | | | | |
| 443 | Oct. 16 | P | 10 | 21 | 39.2 | | | | | 57 | |
| | | S | 10 | 21 | 46.8 | | | | | | |
| | | F | 10 | 22 | 33 | | | | | | |
| 444 | Oct. 16 | P | 10 | 51 | 49.8 | | | | | 57 | |
| | | S | 10 | 51 | 57.4 | 0.9 | -13 | +19 | | | |
| | | F | 10 | 53 | 30 | | | | | | |
| 445 | Oct. 16 | ^e P | 10 | 59 | 33.4 | | | | | 56 | |
| | | S | 10 | 59 | 40.9 | | | | | | |
| | | F | 11 | 00 | 08 | | | | | | |
| 446 | Oct. 16 | ^e P | 11 | 00 | 07.2 | | | | | 56 | |
| | | S | 11 | 00 | 14.7 | | | | | | |
| | | F | 11 | 01 | 00 | | | | | | |
| 447 | Oct. 16 | P | 11 | 01 | 49.1 | | | | | 56 | |
| | | S | 11 | 01 | 56.6 | 0.9 | +22 | +169 | +28 | | |
| | | ME | 11 | 01 | 57.1 | 0.8 | -108 | | | | |
| | | F | 11 | 05 | | | | | | | |
| 448 | Oct. 16 | ^e P | 11 | 13 | 15.5 | | | | | 58 | |
| | | S | 11 | 13 | 23.3 | | | | | | |
| | | F | 11 | 13 | 50 | | | | | | |
| 449 | Oct. 16 | P | 11 | 32 | 40.3 | | | | | 58 | |
| | | S | 11 | 32 | 48.1 | 1.5 | +12 | +48 | | | |
| | | MZ | 11 | 32 | 51.7 | 1.0 | | | -20 | | |
| | | MEN | 11 | 32 | 52.7 | 1.0 | +43 | -57 | | | |
| | | F | 11 | 34 | 40 | | | | | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks | |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|-----|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | | |
| 450 | Oct. 16 | P | 13 | 22 | 31.8 | | | | 55 | | | |
| | | S | 13 | 22 | 39.2 | | | | | | | |
| | | F | 13 | 23 | 21 | | | | | | | |
| 451 | Oct. 16 | eS | 13 | 26 | 16.2 | | | | | | | |
| | | F | 13 | 26 | 32 | | | | | | | |
| 452 | Oct. 16 | eS | 13 | 52 | 34.3 | | | | | | | |
| | | F | 13 | 52 | 46 | | | | | | | |
| 453 | Oct. 16 | eP | 14 | 10 | 31.4 | | | | 57 | | | |
| | | S | 14 | 10 | 39.1 | | | | | | | |
| | | F | 14 | 11 | 31 | | | | | | | |
| 454 | Oct. 16 | P | 14 | 15 | 50.9 | | | | 58 | | | |
| | | S | 14 | 15 | 58.7 | | | | | | | |
| | | F | 14 | 17 | 13 | | | | | | | |
| 455 | Oct. 16 | P | 14 | 27 | 31.7 | | | | 59 | | | |
| | | S | 14 | 27 | 39.7 | | | | | | | |
| | | F | 14 | 28 | 40 | | | | | | | |
| 456 | Oct. 16 | eP | 14 | 39 | 28.6 | | | | 54 | | | |
| | | S | 14 | 39 | 35.9 | | | | | | | |
| | | F | 14 | 40 | 16 | | | | | | | |
| 457 | Oct. 16 | eP | 15 | 20 | 04.1 | | | | | | | |
| | | F | 15 | 20 | 29 | | | | | | | |
| 458 | Oct. 16 | S | 18 | 37 | 39.4 | | | | | | | |
| | | F | 18 | 38 | 01.4 | | | | | | | |
| 459 | Oct. 16 | eP | 18 | 47 | 14.6 | | | | 56 | | | |
| | | S | 18 | 47 | 22.1 | | | | | | | |
| | | F | 18 | 48 | 25 | | | | | | | |
| 460 | Oct. 16 | iP | 19 | 17 | 01.8 | 1.2 | -23 | -10 | 89 | | | |
| | | S | 19 | 17 | 13.8 | | | | | | | |
| | | F | 19 | 19 | 12 | | | | | | | |
| 461 | Oct. 17 | iP | 0 | 19 | 40.7 | 1.5 | -17 | +19 | 58 | | | |
| | | S | 0 | 19 | 48.5 | | | | | | | |
| | | ME | 0 | 19 | 50.2 | | | | | | 1.2 | +38 |
| | | MN | 0 | 19 | 54.9 | | | | | | 1.7 | -23 |
| | | F | 0 | 21 | 06 | | | | | | | |
| 462 | Oct. 17 | S | 10 | 29 | 55.0 | | | | | | | |
| | | F | 10 | 30 | 38 | | | | | | | |
| 463 | Oct. 17 | P | 17 | 05 | 28.6 | | | | 27 | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | S | 17 | 05 | 32.3 | | | | | | |
| | | F | 17 | 05 | 47 | | | | | | |
| 464 | Oct. 17 | eP | 20 | 58 | 45.0 | | | | 41 | | |
| | | S | 20 | 58 | 50.5 | | | | | | |
| | | F | 20 | 59 | 36 | | | | | | |
| 465 | Oct. 18 | S | 19 | 47 | 12.6 | | | | | | |
| | | F | 19 | 47 | 31 | | | | | | |
| 466 | Oct. 19 | eP | 4 | 18 | 10.8 | | | | 89 | | |
| | | S | 4 | 18 | 22.8 | | | | | | |
| | | F | 4 | 19 | 11 | | | | | | |
| 467 | Oct. 19 | eP | 6 | 16 | 26.2 | | | | 59 | | |
| | | S | 6 | 16 | 34.2 | | | | | | |
| | | F | 6 | 17 | 08 | | | | | | |
| 468 | Oct. 19 | eP | 13 | 58 | 03.2 | | | | 32 | | |
| | | S | 13 | 58 | 07.5 | | | | | | |
| | | F | 13 | 58 | 20 | | | | | | |
| 469 | Oct. 19 | eP | 19 | 58 | 12.5 | | | | 117 | | |
| | | S | 19 | 58 | 28.3 | | | | | | |
| | | F | 20 | 00 | 23 | | | | | | |
| 470 | Oct. 20 | S | 0 | 52 | 28.8 | | | | | | |
| | | F | 0 | 52 | 48 | | | | | | |
| 471 | Oct. 20 | S | 3 | 24 | 29.1 | | | | | | |
| | | F | 3 | 24 | 41 | | | | | | |
| 472 | Oct. 20 | eP | 6 | 31 | 21.2 | | | | 49 | | |
| | | S | 6 | 31 | 27.8 | | | | | | |
| | | F | 6 | 32 | 17 | | | | | | |
| 473 | Oct. 21 | eP | 8 | 18 | 43.2 | | | | | | |
| | | F | 8 | 19 | 08 | | | | | | |
| 474 | Oct. 21 | iS | 16 | 53 | 26.6 | | | | | | |
| | | F | 16 | 53 | 36.1 | | | | | | |
| 475 | Oct. 21 | eP | 17 | 49 | 28.3 | | | | 73 | | |
| | | S | 17 | 49 | 38.1 | | | | | | |
| | | F | 17 | 50 | 53 | | | | | | |
| 476 | Oct. 23 | iP | 8 | 25 | 19.3 | | | | 30 | | |
| | | S | 8 | 25 | 23.4 | | | | | | |
| | | F | 8 | 25 | 50 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|--------------------------|-----------------------|----------------------------|----------------------------|-------------------|-------------------|-------------------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 477 | Oct. 23 | P S F | 13 13 13 | 36 36 37 | 04.5 10.1 46 | | | | 42 | | |
| 478 | Oct. 25 | eP S F | 3 3 3 | 36 36 38 | 22.2 36.3 32 | | | | 105 | | |
| 479 | Oct. 25 | eP S F | 11 11 11 | 48 48 50 | 47.5 57.0 28 | | | | 70 | | |
| 480 | Oct. 25 | S F | 20 20 | 09 10 | 47.4 27 | | | | | | |
| 481 | Oct. 26 | iP S MEN C F | 2 2 2 2 2 | 04 06 06 11 14 | 47.2 47.2 54.0 32 | 2.0 2.8 2.8 | + 2 -12 -31 | -11 -10 +16 | 870 | | |
| 482 | Oct. 26 | eP F | 13 13 | 49 50 | 41.5 18 | | | | | | |
| 483 | Oct. 26 | eP F | 13 13 | 52 53 | 51.9 13 | | | | | | |
| 484 | Oct. 26 | eP F | 14 14 | 14 15 | 53.8 26 | | | | | | |
| 485 | Oct. 27 | P S F | 20 20 20 | 53 53 55 | 16.3 57.3 26 | | | | 304 | | |
| 486 | Oct. 28 | eP S F | 23 23 23 | 42 42 43 | 50.2 58.1 50 | | | | 59 | | |
| 487 | Oct. 29 | S F | 16 16 | 18 19 | 58.9 19 | | | | | | |
| 488 | Oct. 30 | S F | 10 10 | 02 03 | 53.2 44 | | | | | | |
| 489 | Oct. 30 | eP S MEN F | 10 10 10 10 | 50 50 50 51 | 00.7 11.5 12.5 31 | 1.0 | + 9 | -12 | 80 | | |
| 490 | Oct. 30 | P | 11 | 00 | 51.8 | | | | 55 | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 491 | Oct. 31 | S | 11 | 00 | 59.2 | | | | | | |
| | | F | 11 | 01 | 49 | | | | | | |
| 492 | Nov. 1 | eP | 11 | 18 | 46.6 | | | | | | |
| | | F | 11 | 19 | 29 | | | | | | |
| 493 | Nov. 1 | eP | 16 | 01 | 16.6 | | | | 215 | | |
| | | S | 16 | 01 | 45.6 | | | | | | |
| | | F | 16 | 02 | 55 | | | | | | |
| 494 | Nov. 1 | iP | 17 | 30 | 57.5 | | | | 75 | | |
| | | S | 17 | 31 | 07.6 | | | | | | |
| | | F | 17 | 32 | 08 | | | | | | |
| 495 | Nov. 2 | S | 4 | 57 | 04.3 | | | | | | |
| | | F | 4 | 57 | 40 | | | | | | |
| 496 | Nov. 3 | eP | 0 | 21 | 31.0 | 0.5 | - 2 | - 12 | 49 | | |
| | | S | 0 | 21 | 37.6 | | | | | | |
| | | F | 0 | 22 | 08 | | | | | | |
| 497 | Nov. 3 | S | 0 | 35 | 44.7 | | | | | | |
| | | F | 0 | 36 | 05 | | | | | | |
| 498 | Nov. 3 | eP | 1 | 34 | 56.1 | 0.5 | | + 16 | 47 | | |
| | | S | 1 | 35 | 02.5 | | | | | | |
| | | MN | 1 | 35 | 03.5 | | | | | | |
| | | F | 1 | 35 | 28 | | | | | | |
| 499 | Nov. 3 | eP | 2 | 32 | 30.5 | 0.7 | - 3 | - 12 | 47 | | |
| | | S | 2 | 32 | 36.9 | | | | | | |
| | | F | 2 | 33 | 27 | | | | | | |
| 500 | Nov. 3 | eP | 15 | 30 | 52.4 | | | | 47 | | |
| | | S | 15 | 30 | 58.7 | | | | | | |
| | | F | 15 | 31 | 17 | | | | | | |
| 501 | Nov. 3 | S | 18 | 44 | 53.4 | | | | | | |
| | | F | 18 | 45 | 06 | | | | | | |
| 502 | Nov. 4 | eP | 4 | 47 | 12.5 | | | | | | |
| | | F | 4 | 49 | 33 | | | | | | |
| 503 | Nov. 4 | eP | 4 | 50 | 42.0 | | | | | | |
| | | F | 4 | 51 | 42 | | | | | | |
| 504 | Nov. 5 | iP | 7 | 14 | 59.2 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 7 | 15 | 03 | | | | | | |
| 505 | Nov. 6 | eP | 9 | 24 | 53.2 | | | | | 56 | |
| | | S | 9 | 25 | 00.8 | | | | | | |
| | | F | 9 | 26 | 15 | | | | | | |
| 506 | Nov. 6 | eP | 12 | 35 | 14.7 | | | | | | |
| | | F | 12 | 36 | 04 | | | | | | |
| 507 | Nov. 8 | eP | 15 | 57 | 01.8 | | | | | | |
| | | F | 15 | 57 | 26 | | | | | | |
| 508 | Nov. 8 | S | 21 | 34 | 58.1 | | | | | | |
| | | F | 21 | 35 | 38 | | | | | | |
| 509 | Nov. 8 | eP | 22 | 15 | 23.6 | | | | | | |
| | | F | 22 | 15 | 50 | | | | | | |
| 510 | Nov. 9 | eP | 10 | 55 | 11.9 | | | | | | |
| | | F | 10 | 55 | 33 | | | | | | |
| 511 | Nov. 9 | eP | 17 | 22 | 04.9 | | | | | | |
| | | F | 17 | 22 | 28 | | | | | | |
| 512 | Nov. 9 | eP | 21 | 11 | 52.8 | | | | | | |
| | | F | 21 | 12 | 13 | | | | | | |
| 513 | Nov.10 | eP | 19 | 57 | 31.5 | | | | | 249 | |
| | | iP | 19 | 57 | 33.9 | | | | | | |
| | | S | 19 | 58 | 05.0 | 3.6 | | ±5.8 | | | |
| | | MN | 19 | 58 | 35.2 | 4.1 | ±4.5 | | | | |
| | | ME | 19 | 58 | 44.6 | | | | | | |
| | | C | 20 | 01 | 25 | | | | | | |
| | | F | 20 | 04 | 35 | | | | | | |
| 514 | Nov.11 | S | 11 | 51 | 50.1 | | | | | | |
| | | F | 11 | 52 | 04 | | | | | | |
| 515 | Nov.11 | eP | 19 | 11 | 20.6 | | | | | 36 | |
| | | S | 19 | 11 | 25.4 | | | | | | |
| | | F | 19 | 11 | 47 | | | | | | |
| 516 | Nov.12 | eP | 2 | 17 | 35.3 | | | | | | |
| | | F | 2 | 18 | 00 | | | | | | |
| 517 | Nov.12 | eP | 14 | 12 | 02.9 | | | | | 73 | |
| | | S | 14 | 12 | 12.7 | | | | | | |
| | | F | 14 | 12 | 51 | | | | | | |
| 518 | Nov.13 | eP | 1 | 49 | 15.2 | | | | | 45 | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m | s. | | AE μ | AN μ | AZ μ | | |
| 519 | Nov.13 | S | 1 | 49 | 21.3 | | | | | | |
| | | F | 1 | 49 | 35 | | | | | | |
| | | eP | 4 | 47 | 35.3 | | | | | 47 | |
| | | S | 4 | 47 | 41.6 | | | | | | |
| 520 | Nov.13 | F | 4 | 48 | 03 | | | | | | |
| | | iP | 13 | 49 | 00.1 | 3.0 | - 6 | +19 | -17 | 731 | |
| | | Mz | 13 | 50 | 36.3 | 2.5 | | | +59 | | |
| | | S | 13 | 50 | 38.6 | 2.2 | +197 | -108 | | | |
| | | ME | 13 | 50 | 48.1 | 2.7 | +295 | | | | |
| | | MN | 13 | 51 | 14.0 | 2.6 | | ±112 | | | |
| | | C | 14 | 00 | 30 | | | | | | |
| F | 14 | 16 | 30 | | | | | | | | |
| 521 | Nov.15 | iP | 19 | 07 | 51.2 | 0.5 | | | + 3 | 30 | |
| | | iS | 19 | 07 | 55.3 | 0.5 | +45 | +20 | | | |
| | | F | 19 | 08 | 41 | | | | | | |
| 522 | Nov.16 | iP | 0 | 51 | 29.8 | | | | | 32 | |
| | | iS | 0 | 51 | 34.1 | 0.5 | + 3 | + 4 | | | |
| | | F | 0 | 51 | 57 | | | | | | |
| 523 | Nov.16 | eP | 5 | 52 | 44.7 | | | | | | |
| | | F | 5 | 53 | 03 | | | | | | |
| 524 | Nov.18 | iS | 7 | 44 | 26.8 | 0.8 | - 6 | -10 | | | |
| | | F | 7 | 45 | 25 | | | | | | |
| 525 | Nov.19 | iP | 4 | 49 | 11.4 | | | | | | |
| | | F | 4 | 49 | 52 | | | | | | |
| 526 | Nov.21 | iS | 17 | 29 | 29.2 | | | | | | |
| | | F | 17 | 30 | 16 | | | | | | |
| 527 | Nov.21 | eP | 18 | 21 | 11.0 | | | | | | |
| | | F | 18 | 22 | 09 | | | | | | |
| 528 | Nov.22 | eP | 5 | 41 | 48.1 | | | | | 53 | |
| | | S | 5 | 41 | 55.2 | 0.8 | + 3 | + 6 | | | |
| | | F | 5 | 42 | 21 | | | | | | |
| 529 | Nov.23 | iP | 17 | 57 | 57.6 | | | | | 131 | |
| | | S | 17 | 58 | 15.2 | | | | | | |
| | | F | 18 | 00 | 12 | | | | | | |
| 530 | Nov.24 | iS | 7 | 09 | 02.2 | | | | | | |
| | | F | 7 | 09 | 32 | | | | | | |
| 531 | Nov.24 | eP | 21 | 45 | 53.6 | | | | | | |



| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|-----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| | | F | 21 | 46 | 25 | | | | | | |
| 532 | Nov.25 | iP | 3 | 01 | 34.2 | | | | | 31 | |
| | | S | 3 | 01 | 38.4 | 0.4 | +45 | +14 | | | |
| | | F | 3 | 02 | 38 | | | | | | |
| 533 | Nov.26 | eP | 9 | 21 | 57.7 | | | | | 47 | |
| | | S | 9 | 22 | 04.1 | | | | | | |
| | | F | 9 | 22 | 15 | | | | | | |
| 534 | Nov.26 | iP | 10 | 14 | 20.3 | | | | | 78 | |
| | | S | 10 | 14 | 30.8 | | | | | | |
| | | F | 10 | 16 | 30 | | | | | | |
| 535 | Nov.26 | iP | 12 | 12 | 48.3 | | | | | 83 | |
| | | S | 12 | 12 | 59.5 | 0.8 | -15 | +21 | +5 | | |
| | | F | 12 | 14 | 28 | | | | | | |
| 536 | Nov.26 | iP | 13 | 25 | 32.5 | | | | | 605 | |
| | | P _{1N} | 13 | 25 | 38.9 | | | | | | |
| | | P _{2E} | 13 | 25 | 49.9 | | | | | | |
| | | P ₃ | 13 | 25 | 53.2 | 1.2 | +15 | -22 | | | |
| | | P _M | 13 | 25 | 58.4 | 1.7 | -23 | +73 | | | |
| | | S | 13 | 26 | 54.0 | 1.7 | -169 | | | | |
| | | M | 13 | 27 | 23.8 | 2.5 | +433 | ±322 | ±126 | | |
| | | C | 13 | 38 | 33 | | | | | | |
| | | F | 13 | 52 | | | | | | | |
| 537 | Nov.26 | iS | 15 | 15 | 39.7 | | | | | | |
| | | F | 15 | 16 | 30 | | | | | | |
| 538 | Nov.26 | eP | 16 | 42 | 09.1 | | | | | 632 | |
| | | iP | 16 | 43 | 01.3 | | | | | | |
| | | S | 16 | 43 | 34.3 | | | | | | |
| | | F | 16 | 45 | 19 | | | | | | |
| 539 | Nov.26 | eP | 17 | 50 | 22.0 | | | | | | |
| | | F | 17 | 51 | 50 | | | | | | |
| 540 | Nov.26 | eP | 21 | 02 | 37.0 | | | | | 636 | |
| | | iP | 21 | 03 | 45.2 | 0.8 | +3 | -4 | | | |
| | | eS | 21 | 04 | 02.7 | | | | | | |
| | | M _{NE} | 21 | 04 | 20.5 | 1.3 | +23 | ±30 | | | |
| | | F | 21 | 05 | 27 | | | | | | |
| 541 | Nov.26 | iP | 21 | 05 | 49.5 | | | | | 123 | |
| | | S | 21 | 06 | 06.1 | 1.1 | -14 | +8 | | | |
| | | M _Z | 21 | 06 | 11.2 | 1.0 | | | +5 | | |
| | | M _N | 21 | 06 | 15.8 | 0.9 | | -22 | | | |
| | | M _E | 21 | 06 | 23.7 | 0.9 | -22 | | | | |
| | | F | 21 | 07 | 48 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|--------|----------------|----------------|----|-----------------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 542 | Nov.27 | S | 12 | 40 | 29.4 | 3.9 | ± 8 | | | | |
| | | ME | 12 | 41 | 35.8 | | | | | | |
| | | F | 12 | 51 | 59 | | | | | | |
| 543 | Nov.28 | eP | 4 | 30 | 17.1 | | | | 112 | | |
| | | S | 4 | 30 | 32.2 | | | | | | |
| | | F | 4 | 31 | 09 | | | | | | |
| 544 | Nov.29 | iP | 22 | 35 | 41.9 | 0.7 | + 4 | - 8 | | 26 | |
| | | S | 22 | 35 | 45.4 | | | | | | |
| | | F | 22 | 35 | 59 | | | | | | |
| 545 | Nov.30 | iP | 15 | 24 | 40.7 | | | | | | |
| | | F | 15 | 25 | 08 | | | | | | |
| 546 | Dec. 1 | iP | 12 | 36 | 54.7 | | | | 36 | | |
| | | S | 12 | 36 | 59.5 | | | | | | |
| | | F | 12 | 37 | 28 | | | | | | |
| 547 | Dec. 2 | iP | 2 | 41 | 14.5 | 1.1 | + 6 | -18 | +42 | 73 | |
| | | S | 2 | 41 | 24.3 | 1.4 | +192 | +112 | | | |
| | | ME | 2 | 41 | 28.5 | 1.4 | +257 | | | | |
| | | MZ | 2 | 41 | 30.3 | 1.4 | | | +44 | | |
| | | MN | 2 | 41 | 38.8 | 1.4 | | -156 | | | |
| | | C | 2 | 46 | 25 | | | | | | |
| | | F | 2 | 50 | 45 | | | | | | |
| 548 | Dec. 4 | eP | 17 | 18 | 49.7 | 25.0 | ±100 | | | 4000 | |
| | | P ₁ | 17 | 20 | 19.7 | | | | | | |
| | | L | 17 | 27 | 11.1 | | | | | | |
| | | ME | 17 | 30 | 52.1 | | | | | | |
| | | FN | 17 | 43 | 50 | | | | | | |
| | | FE | 17 | 56 | 50 | | | | | | |
| 549 | Dec. 4 | iP | 17 | 35 | 06.2 | 1.0 | +55 | +11 | | 38 | |
| | | S | 17 | 35 | 11.3 | | | | | | |
| | | MN | 17 | 35 | 12.3 | | | | | | |
| | | F | 17 | 36 | 28 | | | | | | |
| 550 | Dec. 5 | iP | 6 | 17 | 53.2 | 0.8 | + 6 | - 6 | | 48 | |
| | | S | 6 | 17 | 59.2 | | | | | | |
| | | F | 6 | 18 | 22 ⁷ | | | | | | |
| 551 | Dec. 5 | eP | 7 | 41 | 56.9 | 1.6 | - 5 | -12 | | 153 | |
| | | S | 7 | 42 | 17.5 | | | | | | |
| | | MN | 7 | 42 | 32.5 | | | | | | |
| | | ME | 7 | 42 | 58.5 | | | | | | |
| | | F | 7 | 45 | 07 | | | | | | |
| 552 | Dec. 5 | iP | 9 | 20 | 35.4 | 1.3 | +19 | -30 | - 3 | 426 | |
| | | S | 9 | 21 | 32.8 | 0.8 | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks |
|-----|---------|-----------------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | |
| 553 | Dec. 6 | F | 9 | 24 | 20 | | | | | 50 | |
| | | iP | 20 | 49 | 49.2 | | | | | | |
| | | S | 20 | 49 | 55.9 | 0.8 | + 6 | + 8 | | | |
| | | M _{EN} | 20 | 49 | 56.3 | 0.8 | -45 | -53 | - 6 | | |
| | | F | 20 | 52 | 19 | | | | | | |
| 554 | Dec. 10 | eP | 14 | 04 | 17.0 | | | | | 104 | |
| | | S | 14 | 04 | 31.0 | | | | | | |
| | | F | 14 | 06 | 27 | | | | | | |
| 555 | Dec. 11 | iP | 7 | 34 | 07.2 | | | | | 32 | |
| | | S | 7 | 34 | 11.5 | 0.7 | | -11 | | | |
| | | F | 7 | 34 | 49 | | | | | | |
| 556 | Dec. 12 | iP | 6 | 39 | 16.4 | 0.4 | | | - 6 | 49 | |
| | | S | 6 | 39 | 23.0 | 0.4 | + 34 | -13 | | | |
| | | F | 6 | 40 | 43 | | | | | | |
| 557 | Dec. 13 | eP | 15 | 08 | 36.7 | | | | | | |
| | | F | 15 | 09 | 25 | | | | | | |
| 558 | Dec. 13 | eP | 15 | 29 | 57.2 | | | | | | |
| | | F | 15 | 30 | 34 | | | | | | |
| 559 | Dec. 15 | eP | 13 | 55 | 47.0 | | | | | 25 | |
| | | S | 13 | 55 | 50.4 | | | | | | |
| | | F | 13 | 56 | 02 | | | | | | |
| 560 | Dec. 15 | eP | 23 | 01 | 38.2 | | | | | 41 | |
| | | S | 23 | 01 | 43.7 | | | | | | |
| | | F | 23 | 01 | 59 | | | | | | |
| 561 | Dec. 16 | eP | 5 | 23 | 36.2 | | | | | 88 | |
| | | S | 5 | 23 | 48.1 | | | | | | |
| | | F | 5 | 25 | 01 | | | | | | |
| 562 | Dec. 16 | eP | 13 | 04 | 54.8 | | | | | 93 | |
| | | S | 13 | 05 | 07.3 | | | | | | |
| | | F | 13 | 07 | 05 | | | | | | |
| 563 | Dec. 17 | eP | 14 | 09 | 45.6 | | | | | 697 | |
| | | P ₁ | 14 | 10 | 46.4 | | | | | | |
| | | S | 14 | 11 | 19.5 | 2.0 | - 4 | | | | |
| | | M _N | 14 | 11 | 23.8 | 2.5 | | ± 7 | | | |
| | | M _E | 14 | 11 | 33.9 | 2.0 | + 6 | | | | |
| | | F | 14 | 13 | 04 | | | | | | |
| 564 | Dec. 17 | eP | 14 | 51 | 15.6 | | | | | | |
| | | F | 14 | 51 | 50 | | | | | | |

| No. | Date | Phase | Time 135° E | | | Period s. | Amplitude | | | △ km. | Remarks | | |
|-----|---------|-------|----------------|----|------|--------------|-----------|---------|---------|----------|---------|-----|-----|
| | | | h. | m. | s. | | AE μ | AN μ | AZ μ | | | | |
| 573 | Dec. 25 | iP | 22 | 01 | 35.7 | 0.8 | + 5 | - 4 | | 30 | | | |
| | | S | 22 | 01 | 39.8 | | | | | | | | |
| | | F | 22 | 02 | 05 | | | | | | | | |
| 574 | Dec. 26 | iP | 15 | 09 | 07.7 | 0.8 | + 9 | - 8 | | 106 | | | |
| | | S | 15 | 09 | 22.0 | | | | | | | | |
| | | ME | 15 | 09 | 28.9 | | | | | | | ±19 | |
| | | MN | 15 | 09 | 30.7 | | | | | | | 0.8 | -30 |
| | | MZ | 15 | 09 | 34.7 | | | | | | | 0.8 | - 5 |
| | | F | 15 | 11 | 38 | | | | | | | | |
| 575 | Dec. 27 | eP | 6 | 18 | 24.0 | 4.6 | - 11 | | | 1307 | | | |
| | | S | 6 | 21 | 20.1 | | | | | | | | |
| | | ME | 6 | 21 | 23.5 | | | | | | | +20 | |
| | | F | 6 | 25 | 14 | | | | | | | | |
| 576 | Dec. 27 | iP | 7 | 34 | 16.6 | 2.5 | + 9 | + 6 | | 1098 | | | |
| | | S | 7 | 36 | 44.6 | | | | | | | | |
| | | MN | 7 | 36 | 49.6 | | | | | | | 3.0 | -39 |
| | | ME | 7 | 36 | 54.4 | | | | | | | 3.0 | -43 |
| | | F | 7 | 40 | 37 | | | | | | | | |
| 577 | Dec. 28 | eP | 11 | 18 | 13.6 | | | | | 95 | | | |
| | | S | 11 | 18 | 26.4 | | | | | | | | |
| | | F | 11 | 19 | 40 | | | | | | | | |
| 578 | Dec. 29 | S | 1 | 32 | 24.6 | | | | | | | | |
| | | F | 1 | 32 | 42 | | | | | | | | |
| 579 | Dec. 29 | eP | 12 | 15 | 32.6 | | | | | 204 | | | |
| | | S | 12 | 16 | 00.1 | | | | | | | | |
| | | F | 12 | 17 | 20 | | | | | | | | |
| 580 | Dec. 29 | eP | 18 | 27 | 57.5 | | | | | 188 | | | |
| | | S | 18 | 28 | 22.9 | | | | | | | | |
| | | F | 18 | 29 | 48 | | | | | | | | |
| 581 | Dec. 30 | eP | 9 | 37 | 45.3 | 0.9 | -25 | -13 | | 102 | | | |
| | | S | 9 | 37 | 59.0 | | | | | | | | |
| | | F | 9 | 38 | 29 | | | | | | | | |
| 582 | Dec. 31 | iP | 12 | 00 | 50.5 | 1.2 | -19 | + 5 | -25 | 28 | | | |
| | | S | 12 | 00 | 54.3 | 0.8 | | | | | | +30 | |
| | | MN | 12 | 00 | 55.2 | 0.8 | | | | | | -97 | |
| | | ME | 12 | 00 | 56.6 | 0.8 | | | | | | +59 | |
| | | F | 12 | 02 | 12 | | | | | | | | |
| 583 | Dec. 31 | S | 23 | 10 | 42.5 | | | | | | | | |
| | | F | 23 | 11 | 03 | | | | | | | | |