

No.

from to 19 25

OSAKA JAPAN.

SEISMIC BULLETIN

of the Osaka Meteorological Observatory of Japan.

$\phi=34^{\circ} 39' N.$ $\lambda=135^{\circ} 26' E.$ Gr. $h=3.0 m$ Underground:

| | | | | |
|--|-------|------------|-------------------|----|
| Instrument: Omori Horizontal Pendulum. | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time h m s | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|--------|-------|---------------|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| 1 | Jan. 3 | P | 8 22 28 | | | | | 1200 | |
| | | L | 24 59 | | | | | | |
| | | Me | 28 6 | 150 | | + 75 | | | |
| | | Mn | 25 24 | 138 | - 33 | | | | |
| | | Fe | 46 59 | | | | | | |
| 2 | 5 | Fn | 41 42 | | | | | 356 | |
| | | P | 15 4 50 | | | | | | |
| | | L | 5 38 | | | | | | |
| | | Mn | 5 50 | 48 | - 25 | | | | |
| 3 | 8 | Fn | 10 32 | | | | | 416 | |
| | | P | 20 53 7 | | | | | | |
| | | L | 54 3 | | | | | | |
| | | Me | 54 47 | 12 | | - 38 | | | |
| | | Mn | 54 43 | 29 | - 25 | | | | |
| 4 | 9 | Fe | 59 36 | | | | | - | |
| | | Fn | 59 38 | | | | | | |
| | | Pe | 4 36 31 | | | | | | |
| | | L | 37 6 | | | | | | |
| | | Me | 38 1 | 24 | | + 25 | | | |
| | | Mn | 37 53 | 48 | - 30 | | | | |
| 5 | 9 | Fe | 42 49 | | | | | 401 | |
| | | Fn | 42 18 | | | | | | |
| | | P | 7 2 33 | | | | | | |
| | | L | 3 27 | | | | | | |
| | | Me | 4 13 | 10 | | - 50 | | | |
| | | Mn | 4 32 | 23 | + 53 | | | | |
| 6 | 9 | Fe | 11 49 | | | | | - | |
| | | Fn | 9 50 | | | | | | |
| | | Pe | 15 29 3 | | | | | | |
| | | L | 29 41 | | | | | | |
| 7 | 9 | Mn | 29 59 | 18 | - 13 | | | 134 | |
| | | Fn | 35 26 | | | | | | |
| | | P | 16 20 53 | | | | | | |
| | | L | 21 11 | | | | | | |
| 8 | 18 | Mn | 21 16 | 11 | + 9 | | | 2000 | |
| | | Fn | 24 46 | | | | | | |
| | | P | 11 10 23 | | | | | | |
| | | L | 13 58 | | | | | | |
| | | Me | 18 8 | 87 | | + 1250 | | | |
| 9 | 22 | Mn | 17 13 | 125 | - 1600 | | | 534 | |
| | | Fe | 13 17 0 | | | | | | |
| | | Fn | 26 58 | | | | | | |
| | | P | 10 18 57 | | | | | | |
| | | L | 20 9 | | | | | | |
| | | Me | 21 11 | 34 | | - 55 | | | |
| 2 | | Mn | 20 48 | 28 | - 58 | | | | |
| | | Fe | 29 54 | | | | | | |
| | | Fn | 27 25 | | | | | | |
| | | | | | | | | | |

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$\phi=34^{\circ} 39' N.$ $\lambda=135^{\circ} 26' E. Gr.$ $h=3.0 m$ Underground:

Instrument: Omori Horizontal Pendulum.

| | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
|------------------|-------|------------|-------------------|----|
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| Date | Phase | Time | | | Period s | Amplitude | | | Δ k.m. | Remarks |
|---------|-------|------|----|----|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | h | m | s | | A _N μ | A _E μ | A _Z μ | | |
| Jan. 24 | P | 8 | 27 | 54 | | | | 445 | | |
| | L | | 28 | 54 | | | | | | |
| | Me | | 29 | 40 | 38 | | + 40 | | | |
| | Mn | | 29 | 22 | 48 | + 60 | | | | |
| | Fe | | 37 | 4 | | | | | | |
| 25 | Fn | | 36 | 44 | | | | | | |
| | P | 10 | 46 | 40 | | | | 282 | | |
| | L | | 47 | 18 | | | | | | |
| | Me | | 47 | 47 | 14 | | + 33 | | | |
| | Mn | | 47 | 35 | 10 | - 35 | | | | |
| 28 | Fe | | 58 | 2 | | | | | | |
| | Fn | | 56 | 56 | | | | | | |
| | P | 4 | 8 | 46 | | | | 1380 | | |
| | L | | 11 | 31 | | | | | | |
| | Me | | 13 | 44 | 108 | | - 1975 | | | |
| 31 | Mn | | 12 | 46 | 120 | - 1700 | | | | |
| | Fe | 6 | 2 | 8 | | | | | | |
| | Fn | | 1 | 20 | | | | | | |
| | P | 17 | 7 | 53 | | | | 1050 | | |
| | L | | 10 | 10 | | | | | | |
| Feb. 1 | Me | | 10 | 50 | 161 | | + 70 | | | |
| | Fe | | 29 | 15 | | | | | | |
| | P | 5 | 27 | 38 | | | | 1550 | | |
| | L | | 30 | 36 | | | | | | |
| | Me | | 32 | 57 | 161 | | - 600 | | | |
| 2 | Mn | | 31 | 10 | 120 | + 320 | | | | |
| | Fe | 6 | 50 | 31 | | | | | | |
| | Fn | | 37 | 59 | | | | | | |
| | P | 11 | 43 | 13 | | | | 1400 | | |
| | L | | 45 | 59 | | | | | | |
| 2 | Me | | 47 | 24 | 133 | | - 48 | | | |
| | Mn | | 49 | 5 | 106 | + 38 | | | | |
| | Fe | | 55 | 58 | | | | | | |
| | Fn | | 56 | 40 | | | | | | |
| | P | 13 | 32 | 41 | | | | 1580 | | |
| 2 | L | | 35 | 42 | | | | | | |
| | Me | | 38 | 2 | 115 | | + 725 | | | |
| | Mn | | 36 | 30 | 110 | + 340 | | | | |
| | F | | - | | | | | | | |
| | Pe | 14 | 16 | 15 | | | | 1500 | | |
| 2 | L | | 19 | 9 | | | | | | |
| | Me | | 20 | 55 | 138 | | - 100 | | | |
| | Mn | | 22 | 52 | 144 | + 45 | | | | |
| | Fe | | 57 | 39 | | | | | | |
| | Fn | | 56 | 10 | | | | | | |
| 2 | P | 19 | 28 | 55 | | | | 1730 | | |
| | L | | 32 | 8 | | | | | | |
| | Me | | 33 | 55 | 138 | | + 53 | | | |
| | Mn | | 34 | 50 | 138 | + 38 | | | | |
| | F | | - | | | | | | | |

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Instrument: Omori Horizontal Pendulum.

| | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
|------------------|-------|------------|-------------------|----|
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time h m s | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|--------|--------------------------------|---|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| I02 | Aug. 6 | P L Me Mn Fe Fn | I4 23 53 24 49 25 17 25 27 48 44 49 14 | 26 30 | - 413 - 775 | | 416 | | |
| I03 | 8 | P L Me Mn Fe Fn | I7 26 43 33 37 34 48 36 38 41 50 46 27 | 106 101 | - 25 - 25 | | 5180 | | |
| I04 | 12 | P L Me Mn Fe | I7 55 48 56 0 56 0 56 0 18 1 16 | 05 05 | + 38 + 38 | | 89 | | |
| I05 | 12 | P L Me Mn Fe Fn | I8 19 19 19 31 19 57 20 6 49 57 50 13 | 10 10 | +1363 - 875 | | 89 | | |
| I06 | 13 | P L Me Mn Fe Fn | 0 33 50 34 3 34 4 34 46 53 13 54 12 | 10 10 | + 488 - 538 | | 97 | | |
| I07 | 13 | P L Me Mn Fe Fn | 0 59 57 1 0 4 0 12 0 30 4 44 4 35 | 22 | - 25 | | 52 | | |
| I08 | 13 | P L Me Mn Fe Fn | I3 37 8 48 11 50 33 57 5 I4 15 57 9 20 | 230 168 | + 17 - 20 | | 10200 | | |
| I09 | 14 | P L Me Mn F | I7 55 7 56 14 56 53 56 46 | 29 36 | + 175 + 80 | | 497 | | |
| I10 | 14 | P L Me | I8 4 3 5 27 6 56 | 24 | - 9500 | | 623 | | |

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Instrument: Ômori Horizontal Pendulum.

| | | | | |
|------------------|-------|------------|-------------------|----|
| | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time h m s | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|---------|-------|---------------|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| III | Aug. 14 | Mn | 18 6 10 | 22 | -8750 | | | 527 | |
| | | Fe | 21 3 13 | | | | | | |
| | 14 | Fn | 20 58 51 | | | | | | |
| | | P | 23 28 56 | | | | | | |
| | | L | 30 7 | | | | | | |
| II2 | 15 | Me | 31 10 | 29 | +2500 | +1200 | 364 | | |
| | | Mn | 31 41 | | | | | 26 | |
| | 15 | Fe | 0 24 53 | | | | | | |
| | | Fn | 25 10 | | | | | | |
| | | P | 4 40 58 | | | | | | |
| II3 | 15 | L | 41 47 | 40 | -38 | -28 | 408 | | |
| | | Me | 42 27 | | | | | 29 | |
| | 15 | Mn | 42 0 | | | | | | |
| | | Fe | 56 13 | | | | | | |
| | | Fn | 59 39 | | | | | | |
| II4 | 15 | P | I6 28 33 | 38 | -45 | +23 | 482 | | |
| | | L | 29 28 | | | | | | |
| | 15 | Me | 29 29 | | | | | | |
| | | Mn | 29 48 | | | | | | |
| | | Fe | 41 23 | | | | | | |
| II5 | 16 | Fn | 41 2 | 48 | -30 | +30 | 490 | | |
| | | P | I6 42 48 | | | | | | |
| | 16 | L | 43 53 | | | | | | |
| | | Me | 45 6 | 34 | | | | | |
| | | Mn | 44 21 | | | | | | |
| II6 | 16 | Fe | 54 48 | 41 | -20 | +25 | 408 | | |
| | | Fn | 59 40 | | | | | | |
| | 16 | P | I2 24 8 | | | | | | |
| | | L | 25 14 | | | | | | |
| | | Me | 25 33 | | | | | | |
| II7 | 17 | Mn | 25 59 | 38 | +75 | +33 | 527 | | |
| | | Fe | 32 24 | | | | | 55 | |
| | 17 | Fn | 33 18 | | | | | | |
| | | P | 22 20 6 | | | | | | |
| | | L | 21 1 | | | | | | |
| II8 | 17 | Me | 21 37 | 48 | +600 | +550 | 468 | | |
| | | Mn | 21 35 | | | | | | |
| | 17 | Fe | 31 27 | | | | | | |
| | | Fn | 36 31 | | | | | | |
| | | P | I 47 29 | | | | | | |
| II8 | 17 | L | 48 40 | 48 | -1675 | -633 | 468 | | |
| | | Me | 49 39 | | | | | | |
| | 17 | Mn | 49 24 | | | | | | |
| | | F | | | | | | | |
| | | P | 2 12 7 | | | | | | |
| II8 | 17 | L | 13 10 | 48 | -1675 | -633 | 468 | | |
| | | Me | 14 2 | | | | | | |
| | 17 | Mn | 14 2 | | | | | | |
| | | Fe | 3 16 22 | | | | | | |
| | | Fn | 20 23 | | | | | | |

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| | | | | |
|--|-------|------------|-------------------|----|
| Instrument: Ômori Horizontal Pendulum. | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time h m s | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|---------|-------|---------------|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| I19 | Aug. 17 | P | 4 50 35 | | | | | 542 | |
| | | L | 51 48 | | | | | | |
| | | Me | 52 10 | 43 | | +38 | | | |
| | | Mn | 52 5 | 28 | +53 | | | | |
| | | Fe | 58 19 | | | | | | |
| I20 | 18 | Fn | 5 2 51 | | | | | 45 | |
| | | P | 3 8 29 | | | | | | |
| | | L | 8 35 | | | | | | |
| | | Me | 9 29 | 25 | | +98 | | | |
| | | Mn | 8 52 | 25 | -83 | | | | |
| I21 | 19 | Fe | 15 43 | | | | | 356 | |
| | | Fn | 14 58 | | | | | | |
| | | P | 8 13 21 | | | | | | |
| | | L | 14 9 | | | | | | |
| | | Me | 14 9 | 20 | | -77 | | | |
| I22 | 19 | Mn | 14 57 | 29 | +95 | | | | |
| | | Fe | 22 37 | | | | | | |
| | | Fn | 23 14 | | | | | | |
| | | Pe | 11 58 6 | | | | | | |
| | | L | 58 43 | | | | | | |
| I23 | 19 | Me | 59 11 | 22 | | +38 | | 482 | |
| | | Mn | 12 0 16 | 41 | +43 | | | | |
| | | Fe | 6 13 | | | | | | |
| | | Fn | 5 44 | | | | | | |
| | | P | 19 31 18 | | | | | | |
| I24 | 23 | L | 32 23 | | | | | 378 | |
| | | Me | 33 0 | 24 | | -88 | | | |
| | | Mn | 33 0 | 29 | -125 | | | | |
| | | Fe | 41 12 | | | | | | |
| | | Fn | 44 51 | | | | | | |
| I25 | 23 | P | 9 20 12 | | | | | 475 | |
| | | L | 21 3 | | | | | | |
| | | Me | 21 53 | 19 | | +28 | | | |
| | | Mn | 21 41 | 19 | -30 | | | | |
| | | Fe | 27 8 | | | | | | |
| I26 | 23 | Fn | 29 42 | | | | | 468 | |
| | | P | 15 1 13 | | | | | | |
| | | L | 2 17 | | | | | | |
| | | Me | 2 53 | 19 | | +50 | | | |
| | | Mn | 3 7 | 28 | -46 | | | | |
| I27 | 24 | Fe | 11 18 | | | | | 371 | |
| | | Fn | 14 0 | | | | | | |
| | | P | 18 44 13 | | | | | | |
| | | L | 45 16 | | | | | | |
| | | Me | 46 1 | 22 | | +46 | | | |
| I28 | 24 | Mn | 45 38 | 28 | +72 | | | 371 | |
| | | Fe | 55 12 | | | | | | |
| | | Fn | 56 10 | | | | | | |
| | | P | 19 47 42 | | | | | | |
| | | L | 48 38 | | | | | | |

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Instrument: Omori Horizontal Pendulum.

| | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
|------------------|-------|------------|-------------------|----|
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time h m s | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|---------|----------------|---------------|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | | | A _N μ | A _E μ | A _Z μ | | |
| I28 | Aug. 24 | Me | 19 49 14 | 48 | | - 15 | | | |
| | | Mn | 48 39 | 52 | + 38 | | | | |
| | | Fe | 56 23 | | | | | | |
| | | F _n | 53 18 | | | | | | |
| | | P | 14 32 27 | | | | 608 | | |
| I29 | 25 | L | 33 49 | | | | | | |
| | | Me | 35 33 | 48 | | -1030 | | | |
| | | Mn | 35 48 | 58 | -2500 | | | | |
| | | Fe | 16 29 21 | | | | | | |
| | | F _n | 29 24 | | | | | | |
| I30 | 25 | P | 17 18 31 | | | | | 438 | |
| | | L | 19 30 | | | | | | |
| | | Me | 19 59 | 48 | | + 130 | | | |
| | | Mn | 20 58 | 46 | - 125 | | | | |
| | | Fe | 34 29 | | | | | | |
| I31 | 26 | F _n | 37 22 | | | | | | |
| | | P | 23 18 53 | | | | | 2200 | |
| | | S | 16 42 | | | | | | |
| | | L | 21 48 | | | | | | |
| | | Me | 22 35 | 240 | | - 100 | | | |
| I32 | 28 | Mn | 27 56 | 144 | + 55 | | | | |
| | | Fe | 49 38 | | | | | | |
| | | F _n | 0 0 49 | | | | | | |
| | | P | 5 14 13 | | | | | 482 | |
| | | L | 15 18 | | | | | | |
| I33 | 28 | Me | 17 8 | 28 | | - 28 | | | |
| | | Mn | 16 3 | 34 | + 25 | | | | |
| | | Fe | 21 15 | | | | | | |
| | | F _n | 23 18 | | | | | | |
| | | P | 5 39 28 | | | | | 571 | |
| I34 | 29 | L | 40 45 | | | | | | |
| | | Me | 41 38 | 48 | | - 50 | | | |
| | | Mn | 42 9 | 48 | - 55 | | | | |
| | | Fe | 54 10 | | | | | | |
| | | F _n | 51 28 | | | | | | |
| I35 | 30 | P | 23 51 43 | | | | | 356 | |
| | | L | 52 31 | | | | | | |
| | | Me | 53 22 | 24 | | +550 | | | |
| | | Mn | 53 37 | 25 | - 513 | | | | |
| | | Fe | 0 44 57 | | | | | | |
| I34 | 29 | F _n | 35 40 | | | | | | |
| | | P | 10 35 38 | | | | | 416 | |
| | | L | 36 34 | | | | | | |
| | | Me | 36 58 | 29 | | - 28 | | | |
| | | Mn | 36 56 | 34 | - 53 | | | | |
| I35 | 30 | Fe | 43 29 | | | | | | |
| | | F _n | 41 58 | | | | | | |
| | | P | 3 9 49 | | | | | 3700 | |
| I35 | 30 | L | 15 17 | | | | | | |
| | | Me | 17 4 | 141 | | +1175 | | | |

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$\phi=34^{\circ} 39' N.$ $\lambda=135^{\circ} 26' E.$ Gr. $h=3.0 m$ Underground:

Instrument: Omori Horizontal Pendulum.

| | T_0 | ϵ | $\frac{r}{T_0^2}$ | V |
|------------------|-------|------------|-------------------|----|
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time | | | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|---------|-------|------|----|----|-------------|-------------------------|-------------------------|-------------------------|------------------|-----------------------|
| | | | h | m | s | | A _N μ | A _E μ | A _Z μ | | |
| | Aug. 30 | Mn | 3 | 18 | 3 | 132 | -2825 | | | | |
| | | Fe | 5 | 31 | 19 | | | | | | |
| | | Fn | | 29 | 37 | | | | | | |
| I36 | Sept. 2 | P | 22 | 3 | 8 | | | | | 3250 | |
| | | L | | 8 | 8 | | | | | | |
| | | Me | | 11 | 32 | 58 | | -23 | | | |
| | | Mn | | 13 | 52 | 78 | +25 | | | | |
| | | Fe | 23 | 7 | 51 | | | | | | |
| | | Fn | 22 | 43 | 17 | | | | | | |
| I37 | 4 | P | 6 | 25 | 33 | | | | | 430 | |
| | | L | | 26 | 31 | | | | | | |
| | | Me | | 27 | 7 | 23 | 113 | +113 | | | |
| | | Mn | | 27 | 16 | 19 | +113 | | | | |
| | | Fe | | 43 | 5 | | | | | | |
| | | Fn | | 37 | 7 | | | | | | |
| I38 | 7 | P | 1 | 52 | 56 | | | | | 2980 | |
| | | L | | 57 | 38 | | | | | | |
| | | Me | | 59 | 34 | 72 | | -20 | | | |
| | | Mn | 2 | 2 | 3 | 144 | +25 | | | | |
| | | Fe | | 40 | 16 | | | | | | |
| | | Fn | | 27 | 26 | | | | | | |
| I39 | 9 | P | 3 | 2 | 11 | | | | | 445 | |
| | | L | | 3 | 11 | | | | | | |
| | | Me | | 3 | 50 | 37 | | +23 | | | |
| | | Mn | | 3 | 30 | 36 | +50 | | | | |
| | | Fe | | 12 | 15 | | | | | | |
| | | Fn | | 10 | 50 | | | | | | |
| I40 | 10 | P | 6 | 2 | 26 | | | | | 5700 | Tromometer mag=120 |
| | | L | | 9 | 50 | | | | | | |
| | | Mn | | 16 | 46 | 44 | -16 | | | | |
| | | Fn | | 37 | 16 | | | | | | |
| I41 | 11 | P | 3 | 32 | 43 | | | | | 6200 | |
| | | L | | 40 | 26 | | | | | | |
| | | Me | | 49 | 29 | 168 | | -20 | | | |
| | | Mn | | 47 | 48 | 216 | +50 | | | | |
| | | Fe | 4 | 31 | 43 | | | | | | |
| | | Fn | | 12 | 19 | | | | | | |
| I42 | 13 | P | 12 | 59 | 4 | | | | | 89 | |
| | | L | | 59 | 16 | | | | | | |
| | | Me | | 59 | 59 | 12 | | +95 | | | |
| | | Mn | | 59 | 30 | 10 | +63 | | | | |
| | | Fe | 13 | 8 | 30 | | | | | | |
| | | Fn | | 6 | 8 | | | | | | |
| I43 | 13 | P | 14 | 45 | 26 | | | | | 10203 | |
| | | S | | 54 | 50 | | | | | | |
| | | L | 15 | 9 | 30 | | | | | | |
| | | Me | | 19 | 18 | 92 | | -338 | | | |
| | | Mn | | 18 | 46 | 115 | +238 | | | | |
| | | Fe | 16 | 20 | 28 | | | | | | |
| | | Fn | | 23 | 41 | | | | | | |

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Instrument: Omori Horizontal Pendulum.

| | T ₀ | ϵ | $\frac{r}{T_0^2}$ | V |
|------------------|----------------|------------|-------------------|----|
| A _N : | 30 | | | 20 |
| A _E : | 30 | | | 20 |
| A _Z : | | | | |

| No. | Date | Phase | Time | | | Period s | Amplitude | | | Δ k.m. | Remarks |
|-----|----------|-------|------|-----------------|----|-------------|-------------------------|-------------------------|-------------------------|------------------|---------|
| | | | h | m | s | | A _N μ | A _E μ | A _Z μ | | |
| I44 | Sept. 13 | P | 19 | 19 | 2 | | | | 5680 | | |
| | | L | | 26 | 25 | | | | | | |
| | | Me | | 28 | 55 | 72 | | - 13 | | | |
| | | Mn | | 31 | 13 | 100 | + 25 | | | | |
| | | Fe | 20 | 28 | 43 | | | | | | |
| I45 | I4 | Fn | | 29 | 13 | | | | 468 | | |
| | | P | 4 | 33 | 59 | | | | | | |
| | | L | | 35 | 2 | | | | | | |
| | | Me | | 36 | 45 | 38 | | - 75 | | | |
| | | Mn | | 35 | 5 | 38 | - 138 | | | | |
| I46 | I4 | Fe | | 46 | 3 | | | | 445 | | |
| | | Fn | | 44 | 56 | | | | | | |
| | | P | 5 | 1 | 7 | | | | | | |
| | | L | | 2 | 7 | | | | | | |
| | | Me | | 2 | 44 | 40 | | - 45 | | | |
| I47 | I4 | Mn | | 2 | 20 | 35 | + 50 | | 430 | | |
| | | Fe | | 9 | 44 | | | | | | |
| | | Fn | | 9 | 45 | | | | | | |
| | | P | 10 | 41 | 57 | | | | | | |
| | | L | | 42 | 55 | | | | | | |
| I48 | I4 | Me | | 43 | 18 | 22 | | + 113 | 1900 | | |
| | | Mn | | 43 | 12 | 44 | - 113 | | | | |
| | | Fe | | 54 | 0 | | | | | | |
| | | Fn | | 52 | 30 | | | | | | |
| | | P | 13 | 25 | 33 | | | | | | |
| I49 | I4 | L | | 29 | 1 | | | | 4400 | | |
| | | Me | | 30 | 16 | 47 | | - 45 | | | |
| | | Mn | | 30 | 29 | 83 | - 23 | | | | |
| | | Fe | | 55 | 46 | | | | | | |
| | | Fn | | 49 | 43 | | | | | | |
| I50 | I8 | P | 14 | 13 ² | 21 | | | | 534 | | |
| | | L | | 18 | 30 | | | | | | |
| | | Me | | 19 | 46 | 161 | | + 113 | | | |
| | | Mn | | 24 | 1 | 108 | - 150 | | | | |
| | | Fe | 15 | 29 | 46 | | | | | | |
| I51 | I8 | Fn | | 29 | 53 | | | | 475 | | |
| | | P | 1 | 9 | 51 | | | | | | |
| | | L | | 11 | 3 | | | | | | |
| | | Me | | 11 | 47 | 21 | | - 1163 | | | |
| | | Mn | | 11 | 34 | 18 | + 1925 | | | | |
| I51 | I8 | Fe | | 45 | 49 | | | | 475 | | |
| | | Fn | | 45 | 44 | | | | | | |
| | | P | 2 | 55 | 10 | | | | | | |
| | | L | | 56 | 14 | | | | | | |
| | | Me | | 56 | 54 | 23 | | + 138 | | | |
| I51 | I8 | Mn | | 56 | 43 | 24 | - 245 | | 475 | | |
| | | Fe | 3 | 12 | 3 | | | | | | |
| | | Fn | | 11 | 29 | | | | | | |