

KSIEŻYC

| d | Wsch. | Kulm. | Zach. | A _w | A _z | α | δ | D | F |
|-----------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | φ=50° | | | 0 ^h UT | | | |
| MAJ 2024 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 2 07 | 6 11 | 10 24 | 52 | 54 | 20 34 28 | -23 48.6 | 31.8 | -0.55 |
| 2 | 2 31 | 7 04 | 11 50 | 60 | 63 | 21 31 00 | -19 18.7 | 32.1 | -0.44 |
| 3 | 2 50 | 7 56 | 13 16 | 69 | 74 | 22 25 13 | -13 40.5 | 32.4 | -0.33 |
| 4 | 3 06 | 8 46 | 14 42 | 80 | 85 | 23 17 41 | - 7 13.3 | 32.7 | -0.23 |
| 5 | 3 20 | 9 35 | 16 08 | 91 | 97 | 0 09 22 | - 0 18.5 | 32.9 | -0.13 |
| 6 | 3 35 | 10 25 | 17 36 | 102 | 108 | 1 01 25 | 6 40.5 | 32.9 | -0.06 |
| 7 | 3 52 | 11 18 | 19 05 | 112 | 119 | 1 54 58 | 13 18.8 | 32.8 | -0.02 |
| 8 | 4 13 | 12 13 | 20 35 | 122 | 128 | 2 50 54 | 19 10.3 | 32.6 | -0.00 |
| 9 | 4 40 | 13 11 | 21 59 | 130 | 134 | 3 49 32 | 23 50.1 | 32.3 | 0.01 |
| 10 | 5 18 | 14 11 | 23 12 | 136 | 137 | 4 50 19 | 26 58.3 | 31.9 | 0.05 |
| 11 | 6 09 | 15 11 | — | 138 | — | 5 51 49 | 28 23.5 | 31.4 | 0.10 |
| 12 | 7 14 | 16 07 | 0 08 | 136 | 137 | 6 52 03 | 28 05.9 | 31.0 | 0.18 |
| 13 | 8 26 | 17 00 | 0 49 | 132 | 133 | 7 49 19 | 26 16.1 | 30.6 | 0.26 |
| 14 | 9 41 | 17 48 | 1 17 | 125 | 127 | 8 42 43 | 23 10.9 | 30.2 | 0.36 |
| 15 | 10 54 | 18 32 | 1 37 | 117 | 120 | 9 32 11 | 19 08.0 | 29.9 | 0.45 |
| 16 | 12 05 | 19 13 | 1 53 | 108 | 112 | 10 18 16 | 14 23.5 | 29.7 | 0.55 |
| 17 | 13 14 | 19 53 | 2 06 | 99 | 103 | 11 01 54 | 9 10.4 | 29.6 | 0.64 |
| 18 | 14 21 | 20 32 | 2 17 | 90 | 95 | 11 44 05 | 3 39.7 | 29.5 | 0.73 |
| 19 | 15 30 | 21 11 | 2 28 | 81 | 86 | 12 25 52 | - 1 59.2 | 29.6 | 0.81 |
| 20 | 16 40 | 21 52 | 2 40 | 72 | 77 | 13 08 17 | - 7 36.9 | 29.7 | 0.88 |
| 21 | 17 53 | 22 36 | 2 53 | 63 | 68 | 13 52 24 | -13 02.7 | 29.9 | 0.93 |
| 22 | 19 09 | 23 24 | 3 09 | 55 | 60 | 14 39 11 | -18 03.7 | 30.2 | 0.97 |
| 23 | 20 26 | — | 3 30 | 48 | 52 | 15 29 25 | -22 24.3 | 30.4 | 1.00 |
| 24 | 21 40 | 0 16 | 3 59 | 43 | 46 | 16 23 30 | -25 46.3 | 30.7 | -1.00 |
| 25 | 22 44 | 1 12 | 4 41 | 42 | 43 | 17 21 09 | -27 51.1 | 31.0 | -0.98 |
| 26 | 23 34 | 2 10 | 5 38 | 44 | 42 | 18 21 12 | -28 23.3 | 31.3 | -0.93 |
| 27 | — | 3 09 | 6 50 | — | 46 | 19 21 51 | -27 15.2 | 31.5 | -0.87 |
| 28 | 0 10 | 4 06 | 8 12 | 50 | 52 | 20 21 15 | -24 29.1 | 31.8 | -0.79 |
| 29 | 0 36 | 5 01 | 9 37 | 57 | 61 | 21 18 11 | -20 16.9 | 32.0 | -0.69 |
| 30 | 0 56 | 5 52 | 11 02 | 67 | 71 | 22 12 20 | -14 56.0 | 32.1 | -0.58 |
| 31 | 1 12 | 6 41 | 12 26 | 77 | 81 | 23 04 11 | - 8 46.1 | 32.3 | -0.47 |

| | | | | | | |
|------------------|------|---------------------------------|------|-------------------|---------|-------|
| ostatnia kwadra: | 1 V | 11 ^h 27 ^m | 3 V | 22.6 ^h | Saturn | 0.8°N |
| nów: | 8 V | 3 ^h 22 ^m | 4 V | 19.0 ^h | Neptun | 0.3°N |
| pierwsza kwadra: | 15 V | 11 ^h 48 ^m | 5 V | 2.5 ^h | Mars | 0.2°S |
| pełnia: | 23 V | 13 ^h 53 ^m | 6 V | 8.5 ^h | Merkury | 4°S |
| ostatnia kwadra: | 30 V | 17 ^h 13 ^m | 7 V | 16.1 ^h | Wenus | 3.5°S |
| | | | 8 V | 12.9 ^h | Uran | 4°S |
| perygeum: | 5 V | 22 ^h 05 ^m | 8 V | 18.3 ^h | Jowisz | 4°S |
| apogeum: | 17 V | 18 ^h 58 ^m | 31 V | 8.1 ^h | Saturn | 0.4°N |