

KSIĘŻYC

| d | Wsch. | Kulm. | Zach. | A _w | A _z | α | δ | D | F |
|----------------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | φ=50° | | | 0 ^h UT | | | |
| CZERWIEC 2024 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 1 27 | 7 29 | 13 49 | 87 | 93 | 23 54 43 | - 2 07.3 | 32.4 | -0.36 |
| 2 | 1 41 | 8 18 | 15 13 | 98 | 104 | 0 45 06 | 4 39.9 | 32.5 | -0.25 |
| 3 | 1 56 | 9 08 | 16 39 | 108 | 114 | 1 36 36 | 11 14.4 | 32.4 | -0.16 |
| 4 | 2 15 | 10 00 | 18 07 | 118 | 124 | 2 30 18 | 17 13.6 | 32.3 | -0.08 |
| 5 | 2 39 | 10 56 | 19 33 | 127 | 132 | 3 26 53 | 22 14.3 | 32.2 | -0.03 |
| 6 | 3 11 | 11 55 | 20 51 | 133 | 136 | 4 26 18 | 25 54.6 | 31.9 | -0.00 |
| 7 | 3 56 | 12 55 | 21 55 | 137 | 137 | 5 27 32 | 27 58.0 | 31.6 | 0.00 |
| 8 | 4 55 | 13 53 | 22 43 | 137 | 135 | 6 28 43 | 28 17.9 | 31.2 | 0.03 |
| 9 | 6 06 | 14 49 | 23 16 | 134 | 130 | 7 27 50 | 26 59.2 | 30.8 | 0.07 |
| 10 | 7 21 | 15 40 | 23 40 | 128 | 123 | 8 23 24 | 24 16.4 | 30.5 | 0.13 |
| 11 | 8 36 | 16 26 | 23 58 | 120 | 115 | 9 14 55 | 20 28.0 | 30.1 | 0.21 |
| 12 | 9 49 | 17 09 | — | 112 | — | 10 02 38 | 15 52.3 | 29.9 | 0.30 |
| 13 | 10 59 | 17 49 | 0 12 | 103 | 107 | 10 47 21 | 10 44.6 | 29.7 | 0.39 |
| 14 | 12 07 | 18 28 | 0 24 | 94 | 98 | 11 30 04 | 5 17.4 | 29.6 | 0.48 |
| 15 | 13 15 | 19 07 | 0 35 | 85 | 89 | 12 11 53 | - 0 19.4 | 29.6 | 0.57 |
| 16 | 14 24 | 19 47 | 0 46 | 75 | 80 | 12 53 52 | - 5 56.5 | 29.7 | 0.67 |
| 17 | 15 35 | 20 30 | 0 58 | 66 | 72 | 13 37 09 | -11 24.7 | 29.8 | 0.75 |
| 18 | 16 50 | 21 16 | 1 13 | 58 | 63 | 14 22 48 | -16 32.7 | 30.1 | 0.83 |
| 19 | 18 07 | 22 06 | 1 32 | 51 | 55 | 15 11 48 | -21 06.5 | 30.4 | 0.90 |
| 20 | 19 23 | 23 01 | 1 58 | 45 | 49 | 16 04 48 | -24 48.7 | 30.7 | 0.95 |
| 21 | 20 32 | — | 2 35 | 42 | 44 | 17 01 53 | -27 19.7 | 31.1 | 0.99 |
| 22 | 21 28 | 0 00 | 3 27 | 43 | 42 | 18 02 12 | -28 20.9 | 31.4 | 1.00 |
| 23 | 22 10 | 1 00 | 4 35 | 48 | 44 | 19 03 59 | -27 39.9 | 31.7 | -0.99 |
| 24 | 22 40 | 1 59 | 5 56 | 55 | 50 | 20 05 05 | -25 15.3 | 32.0 | -0.95 |
| 25 | 23 02 | 2 56 | 7 23 | 64 | 58 | 21 03 50 | -21 17.5 | 32.2 | -0.89 |
| 26 | 23 19 | 3 49 | 8 50 | 74 | 68 | 21 59 30 | -16 05.0 | 32.3 | -0.81 |
| 27 | 23 34 | 4 39 | 10 15 | 84 | 79 | 22 52 18 | -10 00.0 | 32.4 | -0.71 |
| 28 | 23 48 | 5 27 | 11 38 | 95 | 90 | 23 43 07 | - 3 24.8 | 32.4 | -0.61 |
| 29 | — | 6 15 | 13 00 | — | 101 | 0 33 07 | 3 19.3 | 32.3 | -0.49 |
| 30 | 0 02 | 7 03 | 14 24 | 105 | 111 | 1 23 33 | 9 52.2 | 32.2 | -0.38 |

| | | | | | | |
|------------------|-------|---------------------------------|-------|-------------------|---------|-------|
| nów: | 6 VI | 12 ^h 38 ^m | 1 VI | 3.0 ^h | Neptun | 0.0°N |
| pierwsza kwadra: | 14 VI | 5 ^h 18 ^m | 2 VI | 23.7 ^h | Mars | 2°S |
| pełnia: | 22 VI | 1 ^h 08 ^m | 5 VI | 0.7 ^h | Uran | 4°S |
| ostatnia kwadra: | 28 VI | 21 ^h 53 ^m | 5 VI | 14.5 ^h | Jowisz | 5°S |
| | | | 5 VI | 18.5 ^h | Merkury | 5°S |
| perygeum: | 2 VI | 7 ^h 19 ^m | 6 VI | 14.5 ^h | Wenus | 4.5°S |
| apogeum: | 14 VI | 13 ^h 35 ^m | 27 VI | 15.0 ^h | Saturn | 0.1°S |
| perygeum: | 27 VI | 11 ^h 31 ^m | 28 VI | 8.9 ^h | Neptun | 0.3°S |