

KSIĘŻYC

| d | Wsch. | Kulm. | Zach. | A _W | A _Z | α | δ | D | F |
|-----------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | φ=50° | | | 0 ^h UT | | | |
| MAJ 2014 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 6 08 | 13 54 | 21 44 | 119 | 120 | 4 00 36 | 17 39.1 | 30.7 | 0.03 |
| 2 | 6 53 | 14 45 | 22 36 | 120 | 120 | 4 53 59 | 18 45.1 | 30.4 | 0.08 |
| 3 | 7 44 | 15 34 | 23 21 | 120 | 119 | 5 46 34 | 18 54.5 | 30.1 | 0.14 |
| 4 | 8 39 | 16 22 | 23 59 | 118 | 116 | 6 37 55 | 18 10.3 | 29.8 | 0.22 |
| 5 | 9 37 | 17 09 | — | 115 | — | 7 27 49 | 16 37.5 | 29.6 | 0.30 |
| 6 | 10 36 | 17 54 | 0 32 | 111 | 112 | 8 16 14 | 14 22.6 | 29.6 | 0.39 |
| 7 | 11 37 | 18 37 | 1 01 | 106 | 108 | 9 03 25 | 11 32.4 | 29.6 | 0.49 |
| 8 | 12 39 | 19 21 | 1 27 | 100 | 102 | 9 49 44 | 8 13.6 | 29.7 | 0.58 |
| 9 | 13 43 | 20 04 | 1 52 | 93 | 96 | 10 35 45 | 4 32.9 | 29.9 | 0.68 |
| 10 | 14 47 | 20 49 | 2 16 | 87 | 90 | 11 22 03 | 0 37.3 | 30.1 | 0.76 |
| 11 | 15 54 | 21 35 | 2 40 | 80 | 84 | 12 09 20 | - 3 25.0 | 30.5 | 0.84 |
| 12 | 17 03 | 22 24 | 3 07 | 74 | 77 | 12 58 15 | - 7 24.6 | 30.9 | 0.91 |
| 13 | 18 13 | 23 15 | 3 36 | 68 | 71 | 13 49 25 | -11 09.7 | 31.3 | 0.96 |
| 14 | 19 23 | — | 4 11 | 64 | 66 | 14 43 15 | -14 26.3 | 31.7 | 0.99 |
| 15 | 20 30 | 0 10 | 4 52 | 60 | 62 | 15 39 50 | -16 59.1 | 32.0 | -1.00 |
| 16 | 21 33 | 1 07 | 5 41 | 59 | 60 | 16 38 48 | -18 33.5 | 32.3 | -0.98 |
| 17 | 22 27 | 2 06 | 6 39 | 61 | 60 | 17 39 14 | -18 58.5 | 32.4 | -0.94 |
| 18 | 23 14 | 3 05 | 7 46 | 64 | 62 | 18 39 57 | -18 09.9 | 32.5 | -0.87 |
| 19 | 23 53 | 4 03 | 8 58 | 69 | 66 | 19 39 47 | -16 11.1 | 32.5 | -0.78 |
| 20 | — | 4 59 | 10 12 | — | 71 | 20 37 55 | -13 12.1 | 32.5 | -0.68 |
| 21 | 0 27 | 5 52 | 11 27 | 75 | 78 | 21 34 03 | - 9 27.4 | 32.3 | -0.56 |
| 22 | 0 57 | 6 44 | 12 42 | 82 | 85 | 22 28 20 | - 5 13.0 | 32.1 | -0.45 |
| 23 | 1 25 | 7 34 | 13 55 | 89 | 93 | 23 21 15 | - 0 44.6 | 31.9 | -0.34 |
| 24 | 1 53 | 8 24 | 15 08 | 96 | 100 | 0 13 23 | 3 42.7 | 31.7 | -0.24 |
| 25 | 2 21 | 9 14 | 16 18 | 103 | 106 | 1 05 17 | 7 55.3 | 31.5 | -0.15 |
| 26 | 2 51 | 10 04 | 17 27 | 109 | 112 | 1 57 26 | 11 40.4 | 31.2 | -0.08 |
| 27 | 3 25 | 10 54 | 18 33 | 114 | 116 | 2 50 03 | 14 47.0 | 30.9 | -0.03 |
| 28 | 4 03 | 11 45 | 19 34 | 118 | 119 | 3 43 06 | 17 06.2 | 30.6 | -0.01 |
| 29 | 4 46 | 12 36 | 20 28 | 120 | 120 | 4 36 16 | 18 31.8 | 30.4 | 0.00 |
| 30 | 5 35 | 13 26 | 21 16 | 120 | 120 | 5 29 05 | 19 01.3 | 30.1 | 0.02 |
| 31 | 6 28 | 14 15 | 21 57 | 119 | 118 | 6 21 01 | 18 35.7 | 29.9 | 0.05 |

| | | | | | | | |
|------------------|------|---------------------------------|--|------|-------------------|---------|-------|
| pierwsza kwadra: | 7 V | 3 ^h 15 ^m | | 4 V | 14.2 ^h | Jowisz | 6°N |
| pełnia: | 14 V | 19 ^h 16 ^m | | 11 V | 13.6 ^h | Mars | 3°N |
| ostatnia kwadra: | 21 V | 12 ^h 59 ^m | | 14 V | 12.3 ^h | Saturn | 0.6°N |
| nów: | 28 V | 18 ^h 40 ^m | | 22 V | 4.3 ^h | Neptun | 5°S |
| | | | | 11 V | 0.3 ^h | Wenus | 1.4°N |
| | | | | 22 V | 4.3 ^h | Neptun | 5°S |
| apogeum: | 6 V | 10 ^h 21 ^m | | 24 V | 20.2 ^h | Uran | 2°S |
| perigeum: | 18 V | 11 ^h 56 ^m | | 25 V | 15.8 ^h | Wenus | 2°S |
| | | | | 30 V | 15.9 ^h | Merkury | 6°N |