

KSIEŻYC

| d | Wsch. | Kulm. | Zach. | A _w | A _z | α | δ | D | F |
|------------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | | φ=50° | | 0 ^h UT | | | |
| LUTY 2010 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 20 27 | 1 48 | 8 16 | 90 | 95 | 10 28 09 | 5 33.1 | 33.3 | -0.95 |
| 2 | 21 51 | 2 39 | 8 35 | 80 | 85 | 11 22 02 | - 0 53.7 | 32.9 | -0.89 |
| 3 | 23 12 | 3 30 | 8 55 | 70 | 75 | 12 14 41 | - 7 07.6 | 32.4 | -0.81 |
| 4 | — | 4 20 | 9 15 | — | 66 | 13 06 58 | -12 48.0 | 31.9 | -0.71 |
| 5 | 0 31 | 5 10 | 9 40 | 62 | 59 | 13 59 39 | -17 39.0 | 31.4 | -0.61 |
| 6 | 1 47 | 6 02 | 10 09 | 55 | 53 | 14 53 07 | -21 28.4 | 30.9 | -0.50 |
| 7 | 2 57 | 6 54 | 10 47 | 50 | 49 | 15 47 21 | -24 07.6 | 30.5 | -0.40 |
| 8 | 3 59 | 7 46 | 11 33 | 47 | 47 | 16 41 56 | -25 31.5 | 30.1 | -0.30 |
| 9 | 4 50 | 8 38 | 12 28 | 48 | 48 | 17 36 07 | -25 39.3 | 29.9 | -0.22 |
| 10 | 5 31 | 9 28 | 13 30 | 50 | 52 | 18 29 06 | -24 34.1 | 29.6 | -0.14 |
| 11 | 6 02 | 10 16 | 14 37 | 55 | 57 | 19 20 14 | -22 23.0 | 29.5 | -0.08 |
| 12 | 6 27 | 11 01 | 15 45 | 61 | 63 | 20 09 11 | -19 15.3 | 29.4 | -0.04 |
| 13 | 6 47 | 11 45 | 16 53 | 67 | 71 | 20 56 00 | -15 21.5 | 29.4 | -0.01 |
| 14 | 7 04 | 12 26 | 18 00 | 75 | 79 | 21 41 00 | -10 52.6 | 29.4 | -0.00 |
| 15 | 7 19 | 13 07 | 19 07 | 83 | 87 | 22 24 45 | - 5 59.1 | 29.5 | 0.01 |
| 16 | 7 34 | 13 47 | 20 14 | 91 | 95 | 23 07 57 | - 0 51.5 | 29.6 | 0.03 |
| 17 | 7 49 | 14 28 | 21 22 | 99 | 104 | 23 51 21 | 4 20.2 | 29.7 | 0.08 |
| 18 | 8 05 | 15 11 | 22 32 | 107 | 112 | 0 35 50 | 9 25.4 | 30.0 | 0.13 |
| 19 | 8 25 | 15 57 | 23 44 | 115 | 119 | 1 22 13 | 14 12.7 | 30.2 | 0.21 |
| 20 | 8 48 | 16 46 | — | 122 | — | 2 11 22 | 18 29.2 | 30.5 | 0.30 |
| 21 | 9 19 | 17 39 | 0 58 | 127 | 126 | 3 03 54 | 21 59.9 | 30.9 | 0.39 |
| 22 | 10 01 | 18 36 | 2 09 | 131 | 130 | 4 00 07 | 24 27.9 | 31.4 | 0.50 |
| 23 | 10 56 | 19 36 | 3 15 | 132 | 132 | 4 59 37 | 25 36.5 | 31.8 | 0.61 |
| 24 | 12 06 | 20 36 | 4 10 | 130 | 131 | 6 01 21 | 25 12.0 | 32.3 | 0.71 |
| 25 | 13 27 | 21 36 | 4 54 | 124 | 126 | 7 03 41 | 23 08.3 | 32.7 | 0.81 |
| 26 | 14 55 | 22 34 | 5 28 | 116 | 119 | 8 05 04 | 19 29.9 | 33.1 | 0.89 |
| 27 | 16 24 | 23 30 | 5 55 | 106 | 111 | 9 04 28 | 14 31.7 | 33.3 | 0.96 |
| 28 | 17 52 | — | 6 17 | 96 | 101 | 10 01 38 | 8 36.6 | 33.4 | 0.99 |

| | | | | | | |
|------------------|-------|---------------------------------|-------|-------------------|---------|-----|
| ostatnia kwadra: | 5 II | 23 ^h 49 ^m | 3 II | 2.3 ^h | Saturn | 8°N |
| nów: | 14 II | 2 ^h 51 ^m | 12 II | 6.0 ^h | Merkury | 2°S |
| pierwsza kwadra: | 22 II | 0 ^h 42 ^m | 14 II | 7.2 ^h | Neptun | 4°S |
| pełnia: | 28 II | 16 ^h 38 ^m | 15 II | 1.6 ^h | Wenus | 6°S |
| | | | 15 II | 5.5 ^h | Jowisz | 5°S |
| apogeum: | 13 II | 2 ^h 07 ^m | 16 II | 19.3 ^h | Uran | 6°S |
| perygeum: | 27 II | 21 ^h 41 ^m | 26 II | 5.2 ^h | Mars | 5°N |