

KSIĘZYC

| d | Wsch. | Kulm. | Zach. | A _w | A _z | α | δ | D | F |
|--------------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | φ=50° | | | 0 ^h UT | | | |
| MARZEC 2009 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 7 51 | 15 32 | 23 32 | 117 | 122 | 1 36 26 | 15 31.7 | 31.4 | 0.16 |
| 2 | 8 16 | 16 26 | — | 125 | — | 2 29 49 | 20 15.0 | 31.7 | 0.25 |
| 3 | 8 50 | 17 24 | 0 53 | 131 | 129 | 3 26 56 | 23 56.8 | 31.9 | 0.35 |
| 4 | 9 37 | 18 25 | 2 09 | 134 | 134 | 4 27 33 | 26 16.8 | 32.1 | 0.46 |
| 5 | 10 39 | 19 27 | 3 15 | 134 | 135 | 5 30 32 | 26 58.6 | 32.3 | 0.58 |
| 6 | 11 55 | 20 28 | 4 07 | 130 | 132 | 6 34 00 | 25 54.5 | 32.5 | 0.69 |
| 7 | 13 20 | 21 26 | 4 45 | 124 | 126 | 7 36 00 | 23 08.1 | 32.5 | 0.79 |
| 8 | 14 47 | 22 20 | 5 13 | 115 | 118 | 8 35 10 | 18 54.2 | 32.6 | 0.88 |
| 9 | 16 12 | 23 11 | 5 35 | 105 | 109 | 9 31 02 | 13 34.3 | 32.5 | 0.94 |
| 10 | 17 34 | — | 5 53 | 94 | 99 | 10 23 59 | 7 32.6 | 32.3 | 0.98 |
| 11 | 18 54 | 0 00 | 6 09 | 84 | 89 | 11 14 46 | 1 13.2 | 32.0 | 1.00 |
| 12 | 20 13 | 0 47 | 6 25 | 74 | 79 | 12 04 20 | - 5 02.4 | 31.7 | -0.99 |
| 13 | 21 31 | 1 34 | 6 42 | 65 | 70 | 12 53 38 | -10 55.2 | 31.3 | -0.96 |
| 14 | 22 47 | 2 21 | 7 01 | 57 | 62 | 13 43 25 | -16 09.2 | 30.9 | -0.90 |
| 15 | 23 59 | 3 10 | 7 24 | 51 | 55 | 14 34 14 | -20 30.9 | 30.5 | -0.83 |
| 16 | — | 4 00 | 7 54 | — | 49 | 15 26 15 | -23 49.9 | 30.1 | -0.75 |
| 17 | 1 06 | 4 50 | 8 32 | 47 | 46 | 16 19 16 | -25 58.4 | 29.9 | -0.66 |
| 18 | 2 04 | 5 42 | 9 19 | 45 | 45 | 17 12 45 | -26 52.2 | 29.7 | -0.57 |
| 19 | 2 51 | 6 33 | 10 17 | 46 | 47 | 18 05 55 | -26 30.7 | 29.6 | -0.48 |
| 20 | 3 28 | 7 22 | 11 22 | 49 | 51 | 18 58 02 | -24 56.9 | 29.6 | -0.38 |
| 21 | 3 56 | 8 10 | 12 31 | 55 | 57 | 19 48 36 | -22 16.7 | 29.7 | -0.29 |
| 22 | 4 18 | 8 55 | 13 42 | 61 | 64 | 20 37 27 | -18 38.0 | 29.8 | -0.21 |
| 23 | 4 36 | 9 40 | 14 54 | 69 | 72 | 21 24 48 | -14 09.8 | 30.1 | -0.14 |
| 24 | 4 52 | 10 23 | 16 07 | 77 | 82 | 22 11 07 | - 9 02.0 | 30.4 | -0.08 |
| 25 | 5 07 | 11 06 | 17 21 | 86 | 91 | 22 57 07 | - 3 25.7 | 30.7 | -0.03 |
| 26 | 5 22 | 11 51 | 18 36 | 96 | 101 | 23 43 39 | 2 26.5 | 31.0 | -0.01 |
| 27 | 5 38 | 12 38 | 19 55 | 105 | 110 | 0 31 39 | 8 20.0 | 31.4 | 0.00 |
| 28 | 5 57 | 13 27 | 21 16 | 114 | 119 | 1 22 03 | 13 57.3 | 31.6 | 0.02 |
| 29 | 6 21 | 14 21 | 22 39 | 122 | 127 | 2 15 40 | 18 58.0 | 31.9 | 0.07 |
| 30 | 6 52 | 15 19 | 23 58 | 129 | 132 | 3 12 56 | 23 00.0 | 32.1 | 0.13 |
| 31 | 7 35 | 16 19 | — | 133 | — | 4 13 34 | 25 41.7 | 32.2 | 0.22 |

I kwadra: 4 III 7^h46^m
pełnia: 11 III 2^h38^m
III kwadra: 18 III 17^h47^m
nów: 26 III 16^h06^m

perygeum: 7 III 15^h08^m
apogeum: 19 III 13^h17^m

11 III 2.6^h Saturn 6°N
22 III 21.5^h Jowisz 1.5°S
23 III 13.6^h Neptun 2°S
24 III 14.2^h Mars 4°S
25 III 20.5^h Uran 5°S
26 III 12.1^h Merkury 6°S