

KSIĘZYC

| d | Wsch. | Kulm. | Zach. | A _w | A _z | α | δ | D | F |
|----------------------|-------|-------|-------|----------------|----------------|-------------------|----------|------|-------|
| | λ=0° | | φ=50° | | | 0 ^h UT | | | |
| KWIECIEŃ 2009 | | | | | | | | | |
| | h m | h m | h m | -° | +° | h m s | ° ' " | ' " | |
| 1 | 8 33 | 17 21 | 1 08 | 134 | 134 | 5 16 27 | 26 46.2 | 32.3 | 0.32 |
| 2 | 9 45 | 18 22 | 2 04 | 132 | 133 | 6 19 39 | 26 05.9 | 32.3 | 0.43 |
| 3 | 11 06 | 19 20 | 2 45 | 126 | 128 | 7 21 16 | 23 44.8 | 32.3 | 0.55 |
| 4 | 12 30 | 20 14 | 3 15 | 118 | 121 | 8 19 56 | 19 57.0 | 32.2 | 0.66 |
| 5 | 13 53 | 21 04 | 3 39 | 108 | 112 | 9 15 15 | 15 02.2 | 32.1 | 0.76 |
| 6 | 15 14 | 21 52 | 3 57 | 99 | 103 | 10 07 36 | 9 22.1 | 32.0 | 0.85 |
| 7 | 16 33 | 22 39 | 4 14 | 88 | 93 | 10 57 46 | 3 17.7 | 31.8 | 0.92 |
| 8 | 17 50 | 23 25 | 4 30 | 78 | 84 | 11 46 44 | - 2 51.4 | 31.5 | 0.97 |
| 9 | 19 08 | — | 4 46 | 69 | 74 | 12 35 27 | - 8 47.0 | 31.3 | 0.99 |
| 10 | 20 24 | 0 12 | 5 04 | 61 | 66 | 13 24 46 | -14 12.5 | 30.9 | -1.00 |
| 11 | 21 39 | 0 60 | 5 26 | 54 | 58 | 14 15 16 | -18 52.9 | 30.6 | -0.98 |
| 12 | 22 49 | 1 50 | 5 53 | 49 | 52 | 15 07 11 | -22 35.3 | 30.3 | -0.94 |
| 13 | 23 52 | 2 41 | 6 28 | 46 | 47 | 16 00 22 | -25 09.4 | 30.0 | -0.88 |
| 14 | — | 3 32 | 7 12 | — | 46 | 16 54 14 | -26 29.0 | 29.8 | -0.81 |
| 15 | 0 43 | 4 24 | 8 06 | 46 | 46 | 17 47 55 | -26 32.2 | 29.6 | -0.73 |
| 16 | 1 24 | 5 14 | 9 08 | 48 | 49 | 18 40 33 | -25 21.6 | 29.6 | -0.65 |
| 17 | 1 56 | 6 02 | 10 15 | 53 | 55 | 19 31 32 | -23 03.3 | 29.6 | -0.55 |
| 18 | 2 20 | 6 48 | 11 25 | 59 | 61 | 20 20 37 | -19 45.4 | 29.7 | -0.46 |
| 19 | 2 40 | 7 32 | 12 36 | 66 | 69 | 21 07 58 | -15 36.9 | 29.9 | -0.37 |
| 20 | 2 56 | 8 16 | 13 47 | 74 | 78 | 21 54 06 | -10 46.9 | 30.2 | -0.27 |
| 21 | 3 12 | 8 59 | 14 59 | 83 | 87 | 22 39 43 | - 5 24.9 | 30.5 | -0.19 |
| 22 | 3 27 | 9 42 | 16 14 | 92 | 96 | 23 25 45 | 0 18.5 | 30.9 | -0.12 |
| 23 | 3 42 | 10 28 | 17 32 | 101 | 106 | 0 13 10 | 6 10.7 | 31.3 | -0.06 |
| 24 | 4 00 | 11 17 | 18 53 | 110 | 115 | 1 03 01 | 11 55.9 | 31.7 | -0.02 |
| 25 | 4 22 | 12 10 | 20 17 | 119 | 124 | 1 56 17 | 17 14.0 | 32.1 | -0.00 |
| 26 | 4 51 | 13 08 | 21 40 | 126 | 130 | 2 53 35 | 21 41.3 | 32.4 | 0.01 |
| 27 | 5 31 | 14 10 | 22 56 | 132 | 134 | 3 54 49 | 24 52.7 | 32.6 | 0.05 |
| 28 | 6 26 | 15 13 | 23 58 | 134 | 133 | 4 58 52 | 26 26.8 | 32.6 | 0.11 |
| 29 | 7 35 | 16 16 | — | 132 | — | 6 03 40 | 26 12.2 | 32.6 | 0.19 |
| 30 | 8 55 | 17 15 | 0 44 | 127 | 129 | 7 06 52 | 24 11.6 | 32.5 | 0.29 |

I kwadra: 2 IV 14^h34^m
pełnia: 9 IV 14^h56^m
III kwadra: 17 IV 13^h36^m
nów: 25 IV 3^h23^m

perygeum 2 IV 2^h32^m
apogeum 16 IV 9^h17^m
perygeum 28 IV 6^h28^m

7 IV 7.3^h Saturn 6°N
19 IV 16.4^h Jowisz 2°S
19 IV 23.9^h Neptun 2°S
22 IV 8.4^h Uran 5°S
22 IV 14.3^h Wenus 1°S
22 IV 18.7^h Mars 6°S
26 IV 16.6^h Merkury 2°S