

SŁOŃCE

| d | JD | Wsch. | Zach. | A | α | δ | η | θ |
|---------------------|------|-------------|--------------|-------------------|----------|----------|--------|----------|
| | | $\lambda=0$ | $\varphi=50$ | 0 ^h UT | | | | |
| STYCZEŃ 2011 | | | | | | | | |
| | 2455 | h m | h m | \pm° | h m s | ° ' " | m s | h m s |
| 1 | 563 | 7 59 | 16 08 | 54 | 18 44 24 | -23 02.7 | - 3 11 | 6 41 12 |
| 2 | 564 | 7 58 | 16 10 | 54 | 18 48 49 | -22 57.8 | - 3 39 | 6 45 08 |
| 3 | 565 | 7 58 | 16 11 | 54 | 18 53 13 | -22 52.4 | - 4 07 | 6 49 05 |
| 4 | 566 | 7 58 | 16 12 | 54 | 18 57 38 | -22 46.6 | - 4 35 | 6 53 02 |
| 5 | 567 | 7 58 | 16 13 | 55 | 19 02 02 | -22 40.3 | - 5 02 | 6 56 58 |
| 6 | 568 | 7 58 | 16 14 | 55 | 19 06 25 | -22 33.6 | - 5 29 | 7 00 55 |
| 7 | 569 | 7 57 | 16 15 | 55 | 19 10 48 | -22 26.4 | - 5 56 | 7 04 51 |
| 8 | 570 | 7 57 | 16 16 | 55 | 19 15 11 | -22 18.8 | - 6 22 | 7 08 48 |
| 9 | 571 | 7 57 | 16 18 | 55 | 19 19 33 | -22 10.8 | - 6 47 | 7 12 44 |
| 10 | 572 | 7 56 | 16 19 | 56 | 19 23 54 | -22 02.3 | - 7 12 | 7 16 41 |
| 11 | 573 | 7 56 | 16 20 | 56 | 19 28 15 | -21 53.3 | - 7 36 | 7 20 37 |
| 12 | 574 | 7 55 | 16 22 | 56 | 19 32 35 | -21 44.0 | - 8 00 | 7 24 34 |
| 13 | 575 | 7 54 | 16 23 | 57 | 19 36 55 | -21 34.2 | - 8 23 | 7 28 31 |
| 14 | 576 | 7 54 | 16 25 | 57 | 19 41 14 | -21 24.0 | - 8 46 | 7 32 27 |
| 15 | 577 | 7 53 | 16 26 | 57 | 19 45 32 | -21 13.4 | - 9 08 | 7 36 24 |
| 16 | 578 | 7 52 | 16 28 | 57 | 19 49 50 | -21 02.4 | - 9 29 | 7 40 20 |
| 17 | 579 | 7 51 | 16 29 | 58 | 19 54 07 | -20 51.0 | - 9 49 | 7 44 17 |
| 18 | 580 | 7 51 | 16 31 | 58 | 19 58 24 | -20 39.2 | -10 09 | 7 48 13 |
| 19 | 581 | 7 50 | 16 32 | 58 | 20 02 39 | -20 27.0 | -10 28 | 7 52 10 |
| 20 | 582 | 7 49 | 16 34 | 59 | 20 06 54 | -20 14.5 | -10 47 | 7 56 06 |
| 21 | 583 | 7 48 | 16 35 | 59 | 20 11 08 | -20 01.5 | -11 04 | 8 00 03 |
| 22 | 584 | 7 47 | 16 37 | 60 | 20 15 22 | -19 48.2 | -11 21 | 8 04 00 |
| 23 | 585 | 7 46 | 16 39 | 60 | 20 19 34 | -19 34.5 | -11 37 | 8 07 56 |
| 24 | 586 | 7 44 | 16 40 | 60 | 20 23 46 | -19 20.4 | -11 52 | 8 11 53 |
| 25 | 587 | 7 43 | 16 42 | 61 | 20 27 57 | -19 06.0 | -12 07 | 8 15 49 |
| 26 | 588 | 7 42 | 16 43 | 61 | 20 32 08 | -18 51.2 | -12 21 | 8 19 46 |
| 27 | 589 | 7 41 | 16 45 | 62 | 20 36 17 | -18 36.1 | -12 34 | 8 23 42 |
| 28 | 590 | 7 40 | 16 47 | 62 | 20 40 26 | -18 20.6 | -12 46 | 8 27 39 |
| 29 | 591 | 7 38 | 16 48 | 63 | 20 44 34 | -18 04.8 | -12 57 | 8 31 35 |
| 30 | 592 | 7 37 | 16 50 | 63 | 20 48 41 | -17 48.7 | -13 08 | 8 35 32 |
| 31 | 593 | 7 36 | 16 52 | 63 | 20 52 48 | -17 32.3 | -13 18 | 8 39 29 |

- 3 | 19^h Ziemia w peryhelium (0.98336806 j.a.)
- 4 | 16^h Jowisz 0.5°S od Urana
- 4 | Częściowe zaćmienie Słońca (widoczne w Polsce)