

SŁOŃCE

| d | JD | Wsch. | Zach. | A | α | δ | η | θ |
|-------------------------|------|-------------|--------------|-------------------|----------|--------------|--------|----------|
| | | $\lambda=0$ | $\varphi=50$ | 0 ^h UT | | | | |
| PAZDZIERNIK 2014 | | | | | | | | |
| | 2456 | h m | h m | \pm° | h m s | $^\circ$ ' " | m s | h m s |
| 1 | 932 | 6 00 | 17 39 | 86 | 12 28 27 | - 3 04.4 | 10 09 | 0 38 36 |
| 2 | 933 | 6 01 | 17 37 | 85 | 12 32 05 | - 3 27.6 | 10 29 | 0 42 33 |
| 3 | 934 | 6 03 | 17 34 | 85 | 12 35 42 | - 3 50.8 | 10 48 | 0 46 29 |
| 4 | 935 | 6 04 | 17 32 | 84 | 12 39 20 | - 4 14.0 | 11 06 | 0 50 26 |
| 5 | 936 | 6 06 | 17 30 | 83 | 12 42 58 | - 4 37.1 | 11 25 | 0 54 22 |
| 6 | 937 | 6 07 | 17 28 | 83 | 12 46 36 | - 5 00.2 | 11 43 | 0 58 19 |
| 7 | 938 | 6 09 | 17 26 | 82 | 12 50 15 | - 5 23.2 | 12 01 | 1 02 16 |
| 8 | 939 | 6 11 | 17 24 | 82 | 12 53 54 | - 5 46.1 | 12 18 | 1 06 12 |
| 9 | 940 | 6 12 | 17 22 | 81 | 12 57 34 | - 6 09.0 | 12 35 | 1 10 09 |
| 10 | 941 | 6 14 | 17 20 | 80 | 13 01 14 | - 6 31.7 | 12 51 | 1 14 05 |
| 11 | 942 | 6 15 | 17 17 | 80 | 13 04 55 | - 6 54.4 | 13 07 | 1 18 02 |
| 12 | 943 | 6 17 | 17 15 | 79 | 13 08 36 | - 7 17.0 | 13 23 | 1 21 58 |
| 13 | 944 | 6 18 | 17 13 | 79 | 13 12 17 | - 7 39.5 | 13 38 | 1 25 55 |
| 14 | 945 | 6 20 | 17 11 | 78 | 13 15 59 | - 8 01.9 | 13 52 | 1 29 51 |
| 15 | 946 | 6 22 | 17 09 | 77 | 13 19 42 | - 8 24.2 | 14 06 | 1 33 48 |
| 16 | 947 | 6 23 | 17 07 | 77 | 13 23 25 | - 8 46.4 | 14 20 | 1 37 45 |
| 17 | 948 | 6 25 | 17 05 | 76 | 13 27 09 | - 9 08.4 | 14 32 | 1 41 41 |
| 18 | 949 | 6 26 | 17 03 | 76 | 13 30 53 | - 9 30.3 | 14 44 | 1 45 38 |
| 19 | 950 | 6 28 | 17 01 | 75 | 13 34 39 | - 9 52.1 | 14 56 | 1 49 34 |
| 20 | 951 | 6 30 | 16 59 | 75 | 13 38 24 | -10 13.7 | 15 07 | 1 53 31 |
| 21 | 952 | 6 31 | 16 57 | 74 | 13 42 10 | -10 35.2 | 15 17 | 1 57 27 |
| 22 | 953 | 6 33 | 16 55 | 73 | 13 45 57 | -10 56.6 | 15 27 | 2 01 24 |
| 23 | 954 | 6 35 | 16 53 | 73 | 13 49 45 | -11 17.7 | 15 36 | 2 05 20 |
| 24 | 955 | 6 36 | 16 52 | 72 | 13 53 33 | -11 38.7 | 15 44 | 2 09 17 |
| 25 | 956 | 6 38 | 16 50 | 72 | 13 57 22 | -11 59.5 | 15 51 | 2 13 14 |
| 26 | 957 | 6 39 | 16 48 | 71 | 14 01 12 | -12 20.2 | 15 58 | 2 17 10 |
| 27 | 958 | 6 41 | 16 46 | 71 | 14 05 03 | -12 40.6 | 16 04 | 2 21 07 |
| 28 | 959 | 6 43 | 16 44 | 70 | 14 08 54 | -13 00.9 | 16 10 | 2 25 03 |
| 29 | 960 | 6 44 | 16 42 | 70 | 14 12 46 | -13 20.9 | 16 14 | 2 29 00 |
| 30 | 961 | 6 46 | 16 41 | 69 | 14 16 38 | -13 40.8 | 16 18 | 2 32 56 |
| 31 | 962 | 6 48 | 16 39 | 69 | 14 20 32 | -14 00.4 | 16 21 | 2 36 53 |

- 8 X Całkowite zaćmienie Księżyca (niewidoczne w Polsce)
- 17 X 21ⁿ Merkury 2°S od Wenus
- 23 X Częściowe zaćmienie Słońca (niewidoczne w Polsce)