

Wschody i zachody Słońca w Krakowie - Sierpień 2019

| Data | Ws | | Za | | Dług. | Dłuższy | Krótszy | Fazy Księżyca | |
|--------|----|----|----|----|-------|---------|---------|---------------|-----------------------------|
| | h | m | h | m | Dnia | od | od | Przew. akt. | Slonca |
| | | | | | | Najkrót | Najdłuż | (m, s, d, bd) | |
| | | | | | | h | m | | h |
| 1.Czw | 05 | 09 | 20 | 23 | 15 15 | 7 10 | 1 08 | m | Now 05 12 |
| 2.Pia | 05 | 10 | 20 | 21 | 15 11 | 7 06 | 1 12 | m | Ks. w perygeum 09 |
| 3.Sob | 05 | 11 | 20 | 19 | 15 08 | 7 03 | 1 15 | m | |
| 4.Nie | 05 | 13 | 20 | 18 | 15 05 | 7 00 | 1 18 | m | |
| 5.Pon | 05 | 15 | 20 | 17 | 15 02 | 6 57 | 1 21 | m | |
| 6.Wto | 05 | 16 | 20 | 15 | 14 59 | 6 54 | 1 24 | m | h m |
| 7.Sro | 05 | 18 | 20 | 13 | 14 55 | 6 50 | 1 28 | m | I kwadra 19 31 |
| 8.Czw | 05 | 19 | 20 | 11 | 14 52 | 6 47 | 1 31 | m | |
| 9.Pia | 05 | 20 | 20 | 09 | 14 49 | 6 44 | 1 34 | m | |
| 10.Sob | 05 | 22 | 20 | 08 | 14 46 | 6 41 | 1 37 | m | |
| 11.Nie | 05 | 24 | 20 | 06 | 14 42 | 6 37 | 1 41 | m | |
| 12.Pon | 05 | 25 | 20 | 04 | 14 39 | 6 34 | 1 44 | m | |
| 13.Wto | 05 | 27 | 20 | 03 | 14 36 | 6 31 | 1 47 | m | |
| 14.Sro | 05 | 28 | 20 | 01 | 14 33 | 6 28 | 1 50 | m | h m |
| 15.Czw | 05 | 30 | 19 | 59 | 14 29 | 6 24 | 1 54 | m | Pelnia 14 29 |
| 16.Pia | 05 | 31 | 19 | 57 | 14 26 | 6 21 | 1 57 | m | h |
| 17.Sob | 05 | 33 | 19 | 55 | 14 22 | 6 17 | 2 01 | m | Ks. w apogeum 13 |
| 18.Nie | 05 | 34 | 19 | 53 | 14 19 | 6 14 | 2 04 | m | |
| 19.Pon | 05 | 35 | 19 | 51 | 14 16 | 6 11 | 2 07 | m | |
| 20.Wto | 05 | 36 | 19 | 49 | 14 13 | 6 08 | 2 10 | m | |
| 21.Sro | 05 | 37 | 19 | 47 | 14 10 | 6 05 | 2 13 | m | |
| 22.Czw | 05 | 39 | 19 | 45 | 14 06 | 6 01 | 2 17 | m | h m |
| 23.Pia | 05 | 41 | 19 | 43 | 14 02 | 5 57 | 2 21 | m | Ost.kwadra 16 56 |
| 24.Sob | 05 | 42 | 19 | 41 | 13 59 | 5 54 | 2 24 | m | |
| 25.Nie | 05 | 44 | 19 | 39 | 13 55 | 5 50 | 2 28 | m | |
| 26.Pon | 05 | 45 | 19 | 37 | 13 52 | 5 47 | 2 31 | m | |
| 27.Wto | 05 | 47 | 19 | 35 | 13 48 | 5 43 | 2 35 | m | |
| 28.Sro | 05 | 48 | 19 | 33 | 13 45 | 5 40 | 2 38 | m | |
| 29.Czw | 05 | 50 | 19 | 31 | 13 41 | 5 36 | 2 42 | m | h m |
| 30.Pia | 05 | 51 | 19 | 29 | 13 38 | 5 33 | 2 45 | m | Now 12 37 Ks. w perygeum 18 |
| 31.Sob | 05 | 53 | 19 | 27 | 13 34 | 5 29 | 2 49 | m | |

Dane na podstawie: The American Ephemeris and Nautical Almanac 2019
 Staniatki, dnia 22 kwietnia 2019

<Adam Michalec>