

Wschody i zachody Księżyca w Krakowie - wrzesień i październik 2019

| Wrzesień | | | Październik | | |
|----------|-------|-------|-------------|-------|-------|
| Data | Ws | Za | Data | Ws | Za |
| 1. | 08 16 | 20 50 | 1. | 09 53 | 20 05 |
| 2. | 09 39 | 21 15 | 2. | 11 12 | 20 36 |
| 3. | 10 59 | 21 40 | 3. | 12 26 | 21 13 |
| 4. | 12 17 | 22 08 | 4. | 13 33 | 21 56 |
| 5. | 13 31 | 22 40 | 5. | 14 31 | 22 47 |
| 6. | 14 40 | 23 08 | 6. | 15 20 | 23 44 |
| 7. | 15 42 | - | 7. | 15 59 | - |
| 8. | 16 35 | 00 03 | 8. | 16 30 | 00 45 |
| 9. | 17 20 | 00 55 | 9. | 16 57 | 01 49 |
| 10. | 17 56 | 01 53 | 10. | 17 19 | 02 53 |
| 11. | 18 26 | 02 54 | 11. | 17 39 | 03 58 |
| 12. | 18 51 | 03 58 | 12. | 17 57 | 05 03 |
| 13. | 19 13 | 05 03 | 13. | 18 16 | 06 08 |
| 14. | 19 32 | 06 07 | 14. | 18 35 | 07 14 |
| 15. | 19 51 | 07 12 | 15. | 18 56 | 08 21 |
| 16. | 20 10 | 08 17 | 16. | 19 20 | 09 29 |
| 17. | 20 29 | 09 22 | 17. | 19 50 | 10 37 |
| 18. | 20 51 | 10 29 | 18. | 20 26 | 11 45 |
| 19. | 21 17 | 11 36 | 19. | 21 12 | 12 50 |
| 20. | 21 49 | 12 45 | 20. | 22 09 | 13 49 |
| 21. | 22 29 | 13 52 | 21. | 23 16 | 14 39 |
| 22. | 23 19 | 14 56 | 22. | - | 15 20 |
| 23. | - | 15 53 | 23. | 00 31 | 15 54 |
| 24. | 00 21 | 16 41 | 24. | 01 51 | 16 23 |
| 25. | 01 34 | 17 21 | 25. | 03 13 | 16 49 |
| 26. | 02 54 | 17 55 | 26. | 04 37 | 17 13 |
| 27. | 04 18 | 18 23 | 27. | 05 00 | 16 36 |
| 28. | 05 43 | 18 49 | 28. | 06 23 | 17 02 |
| 29. | 07 08 | 19 13 | 29. | 07 45 | 17 31 |
| 30. | 08 32 | 19 38 | 30. | 09 04 | 18 05 |
| | | | 31. | 10 17 | 18 46 |

Dane obliczone na podstawie:

The American Ephemeris and Nautical Almanac * 2019

w Staniątkach, 1 Sierpnia 2019

<Adam Michalec>