

Wschody i zachody Ksiezyca w Krakowie - Listopad i Grudzien 2016

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

Dane obliczone na podstawie:

The American Ephemeris and Nautical Almanac * 2016.

w Niepolomicach, 5 pazdziernika 2016 <Adam Michalec>