

Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Vendôme 47.7936° N 1.0663° E

Berechnung: pyEphem
Textsatz: L^AT_EX

Atmosphären-Einstellungen in pyEphem

Standort.pressure = 1010.0
Standort.horizon = '0:00:00.0'

Alle Zeitangaben beziehen sich auf den in der jeweiligen Zeile angegeben Kalendertag. Liegt ein Ereignis bereits nach Mitternacht, also schon am Folgetag, ist die Zeitangabe mit einem * gekennzeichnet, z.B.: 00:20*.

Spalte 1 Kalendertag.

Spalte 2 Bei »MESZ« sind alle Zeitangaben in dieser Zeile in Mitteleuropäischer Sommerzeit, ansonsten standardmäßig in MEZ.

Spalte 3 Die für Deep-Sky-Beobachtungen nutzbare Zeitspanne: Es ist astronomisch dunkel (Sonne steht tiefer als -18°) und kein Mond stört.

Spalte 4 Dauer der für Deep-Sky-Beobachtungen nutzbaren Zeitspanne.

Spalte 5 Ereignisse, die die für Deep-Sky-Beobachtungen nutzbare Zeitspanne begrenzen: AN₊ (Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung), M_v (Monduntergang), AN₋ (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M₇

(Mondaufgang), Astr. MD (Astronomische Mitternachtsdämmerung), Naut. MD (Nautische Mitternachtsdämmerung).

Spalte 6 Mondphase.

Spalte 7 Mondaufgang.

Spalte 8 Monduntergang.

Spalte 9 Beginn der astr. Morgendämmerung (Sonnenhöhe = -18°).

Spalte 10 Dauer der astr. Morgendämmerung.

Spalte 11 Beginn der naut. Morgendämmerung (Sonnenhöhe = -12°).

Spalte 12 Dauer der naut. Morgendämmerung.

Spalte 13 Beginn der bürg. Morgendämmerung (Sonnenhöhe = -6°).

Spalte 14 Dauer der bürg. Morgendämmerung.

Spalte 15 Sonnenaufgang.

Spalte 16 Taglänge.

Spalte 17 Sonnenuntergang.

Spalte 18 Dauer der bürg. Abenddämmerung.

Spalte 19 Ende der bürg. Abenddämmerung (Sonnenhöhe = -6°).

Spalte 20 Dauer der naut. Abenddämmerung.

Spalte 21 Ende der naut. Abenddämmerung (Sonnenhöhe = -12°).

Spalte 22 Dauer der astr. Abenddämmerung.

Spalte 23 Ende der astr. Abenddämmerung (Sonnenhöhe = -18°).

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

Für Beobachter, die zu Zeiten der Mitternachtsdämmerung während der astr. Dämmerung beobachten möchten:

Spalte 26 Nutzbare Zeitspanne: Es ist »nautisch dunkel« (Sonne steht tiefer als -12°) und kein Mond stört.

Spalte 27 Dauer der in Spalte 26 angegebenen Zeitspanne.

Spalte 28 Ereignisse, die die nutzbare Zeitspanne begrenzen: ND₊ (Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung), M_v (Monduntergang), ND₋ (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M₇ (Mondaufgang), Naut. MD (Nautische Mitternachtsdämmerung).

Spalte 29 Identisch zu Spalte 1.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|-------------|-------|----------------------------|------------|-------------------------------------|------|------------|----------------------------|-------|------------|-------|------------|-------|------------|------------|-------------------------|------------|------------|-------|------------|-------|------------|----------------------------|------------|------------|----|------------|----|-------------|
| 2024 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | Beginn der Morgendämmerung | | | | | Sonne | | | Ende der Abenddämmerung | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | | 2024 | | |
| | zone | | Δt | | Ph. | \nearrow | \searrow | Astr. | Δt | Naut. | Δt | Bürg. | Δt | \nearrow | Δt | \searrow | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Fr, 19. Jul | MESZ | —:—:—:— | – | Mond stört | | 20:57 | 03:22 | 03:36 | 1h 09m | 04:45 | 50m | 05:36 | 40m | 06:17 | 15h 29m | 21:46 | 40m | 22:27 | 50m | 23:17 | 1h 08m | 00:25* | 8h 31m | 3h 12m | | | | Fr, 19. Jul |
| Sa, 20. Jul | MESZ | —:—:—:— | – | Mond stört | | 21:47 | 04:24 | 03:38 | 1h 08m | 04:47 | 50m | 05:37 | 40m | 06:18 | 15h 27m | 21:45 | 40m | 22:26 | 49m | 23:15 | 1h 07m | 00:23* | 8h 33m | 3h 18m | | | | Sa, 20. Jul |
| So, 21. Jul | MESZ | —:—:~:~:~ | – | Mond stört | ☉ | 22:24 | 05:40 | 03:41 | 1h 07m | 04:48 | 49m | 05:38 | 40m | 06:19 | 15h 25m | 21:44 | 40m | 22:24 | 49m | 23:14 | 1h 06m | 00:20* | 8h 36m | 3h 23m | | | | So, 21. Jul |
| Mo, 22. Jul | MESZ | —:~:~:~:~ | – | Mond stört | | 22:52 | 07:05 | 03:44 | 1h 06m | 04:50 | 49m | 05:40 | 40m | 06:20 | 15h 22m | 21:43 | 40m | 22:23 | 49m | 23:12 | 1h 05m | 00:17* | 8h 38m | 3h 28m | | | | Mo, 22. Jul |
| Di, 23. Jul | MESZ | —:~:~:~:~ | – | Mond stört | | 23:14 | 08:31 | 03:46 | 1h 05m | 04:52 | 49m | 05:41 | 40m | 06:21 | 15h 20m | 21:42 | 40m | 22:22 | 48m | 23:11 | 1h 04m | 00:15* | 8h 40m | 3h 34m | | | | Di, 23. Jul |
| Mi, 24. Jul | MESZ | —:~:~:~:~ | – | Mond stört | | 23:33 | 09:56 | 03:49 | 1h 04m | 04:53 | 48m | 05:42 | 40m | 06:22 | 15h 18m | 21:40 | 39m | 22:20 | 48m | 23:09 | 1h 03m | 00:12* | 8h 43m | 3h 39m | | | | Mi, 24. Jul |
| Do, 25. Jul | MESZ | —:~:~:~:~ | – | Mond stört | | 23:50 | 11:20 | 03:52 | 1h 03m | 04:55 | 48m | 05:44 | 39m | 06:24 | 15h 15m | 21:39 | 39m | 22:19 | 48m | 23:07 | 1h 02m | 00:10* | 8h 45m | 3h 44m | | | | Do, 25. Jul |
| Fr, 26. Jul | MESZ | —:~:~:~:~ | – | Mond stört | | —:~ | 12:41 | 03:54 | 1h 02m | 04:57 | 48m | 05:45 | 39m | 06:25 | 15h 13m | 21:38 | 39m | 22:18 | 47m | 23:05 | 1h 01m | 00:07* | 8h 47m | 3h 50m | | | | Fr, 26. Jul |
| Sa, 27. Jul | MESZ | 00:04* – 00:25* | 21m | AN ₊ bis M ₇ | | 00:07 | 14:03 | 03:57 | 1h 01m | 04:59 | 47m | 05:46 | 39m | 06:26 | 15h 10m | 21:37 | 39m | 22:16 | 47m | 23:04 | 1h 00m | 00:04* | 8h 50m | 3h 55m | | | | Sa, 27. Jul |
| So, 28. Jul | MESZ | 00:02* – 00:48* | 46m | AN ₊ bis M ₇ | ☾ | 00:25 | 15:25 | 04:00 | 1h 00m | 05:00 | 47m | 05:48 | 39m | 06:27 | 15h 08m | 21:35 | 39m | 22:15 | 47m | 23:02 | 59m | 00:02* | 8h 52m | 4h 00m | | | | So, 28. Jul |
| Mo, 29. Jul | MESZ | 23:59 – 01:16* | 1h 17m | AN ₊ bis M ₇ | | 00:48 | 16:47 | 04:02 | 59m | 05:02 | 47m | 05:49 | 39m | 06:28 | 15h 05m | 21:34 | 38m | 22:13 | 46m | 23:00 | 58m | 23:59 | 8h 55m | 4h 06m | | | | Mo, 29. Jul |
| Di, 30. Jul | MESZ | 23:56 – 01:53* | 1h 57m | AN ₊ bis M ₇ | | 01:16 | 18:05 | 04:05 | 58m | 05:04 | 46m | 05:51 | 38m | 06:30 | 15h 03m | 21:33 | 38m | 22:12 | 46m | 22:58 | 58m | 23:56 | 8h 58m | 4h 11m | | | | Di, 30. Jul |
| Mi, 31. Jul | MESZ | 23:53 – 02:42* | 2h 48m | AN ₊ bis M ₇ | | 01:53 | 19:16 | 04:08 | 58m | 05:06 | 46m | 05:52 | 38m | 06:31 | 15h 00m | 21:31 | 38m | 22:10 | 46m | 22:56 | 57m | 23:53 | 9h 00m | 4h 16m | | | | Mi, 31. Jul |
| Do, 1. Aug | MESZ | 23:51 – 03:43* | 3h 52m | AN ₊ bis M ₇ | | 02:42 | 20:13 | 04:10 | 57m | 05:08 | 46m | 05:54 | 38m | 06:32 | 14h 57m | 21:30 | 38m | 22:08 | 45m | 22:54 | 56m | 23:51 | 9h 03m | 4h 21m | | | | Do, 1. Aug |
| Fr, 2. Aug | MESZ | 23:48 – 04:15* | 4h 27m | AN ₊ bis AN _– | | 03:43 | 20:58 | 04:13 | 56m | 05:09 | 45m | 05:55 | 38m | 06:34 | 14h 55m | 21:29 | 38m | 22:07 | 45m | 22:52 | 55m | 23:48 | 9h 06m | 4h 27m | | | | Fr, 2. Aug |
| Sa, 3. Aug | MESZ | 23:45 – 04:18* | 4h 32m | AN ₊ bis AN _– | | 04:53 | 21:30 | 04:15 | 55m | 05:11 | 45m | 05:57 | 38m | 06:35 | 14h 52m | 21:27 | 38m | 22:05 | 45m | 22:50 | 55m | 23:45 | 9h 09m | 4h 32m | | | | Sa, 3. Aug |
| So, 4. Aug | MESZ | 23:43 – 04:20* | 4h 37m | AN ₊ bis AN _– | ☀ | 06:06 | 21:54 | 04:18 | 55m | 05:13 | 45m | 05:58 | 38m | 06:36 | 14h 49m | 21:26 | 37m | 22:04 | 44m | 22:48 | 54m | 23:43 | 9h 11m | 4h 37m | | | | So, 4. Aug |
| Mo, 5. Aug | MESZ | 23:40 – 04:23* | 4h 42m | AN ₊ bis AN _– | | 07:18 | 22:13 | 04:20 | 54m | 05:15 | 44m | 06:00 | 37m | 06:37 | 14h 46m | 21:24 | 37m | 22:02 | 44m | 22:46 | 53m | 23:40 | 9h 14m | 4h 42m | | | | Mo, 5. Aug |
| Di, 6. Aug | MESZ | 23:37 – 04:25* | 4h 47m | AN ₊ bis AN _– | | 08:28 | 22:29 | 04:23 | 53m | 05:17 | 44m | 06:01 | 37m | 06:39 | 14h 43m | 21:23 | 37m | 22:00 | 44m | 22:44 | 53m | 23:37 | 9h 17m | 4h 47m | | | | Di, 6. Aug |
| Mi, 7. Aug | MESZ | 23:35 – 04:28* | 4h 52m | AN ₊ bis AN _– | | 09:36 | 22:42 | 04:25 | 53m | 05:18 | 44m | 06:02 | 37m | 06:40 | 14h 40m | 21:21 | 37m | 21:58 | 43m | 22:42 | 52m | 23:35 | 9h 20m | 4h 52m | | | | Mi, 7. Aug |
| Do, 8. Aug | MESZ | 23:32 – 04:30* | 4h 57m | AN ₊ bis AN _– | | 10:42 | 22:55 | 04:28 | 52m | 05:20 | 43m | 06:04 | 37m | 06:41 | 14h 37m | 21:19 | 37m | 21:57 | 43m | 22:40 | 51m | 23:32 | 9h 23m | 4h 57m | | | | Do, 8. Aug |
| Fr, 9. Aug | MESZ | 23:29 – 04:32* | 5h 03m | AN ₊ bis AN _– | | 11:48 | 23:09 | 04:30 | 51m | 05:22 | 43m | 06:05 | 37m | 06:43 | 14h 35m | 21:18 | 37m | 21:55 | 43m | 22:38 | 51m | 23:29 | 9h 26m | 5h 03m | | | | Fr, 9. Aug |
| Sa, 10. Aug | MESZ | 23:27 – 04:35* | 5h 08m | AN ₊ bis AN _– | | 12:54 | 23:23 | 04:32 | 51m | 05:24 | 43m | 06:07 | 37m | 06:44 | 14h 32m | 21:16 | 36m | 21:53 | 42m | 22:36 | 50m | 23:27 | 9h 29m | 5h 08m | | | | Sa, 10. Aug |
| So, 11. Aug | MESZ | 23:40 – 04:37* | 4h 57m | M ₇ bis AN _– | | 14:02 | 23:40 | 04:35 | 50m | 05:25 | 42m | 06:08 | 36m | 06:45 | 14h 29m | 21:14 | 36m | 21:51 | 42m | 22:34 | 50m | 23:24 | 9h 32m | 5h 13m | | | | So, 11. Aug |
| Mo, 12. Aug | MESZ | 00:02* – 04:39* | 4h 37m | M ₇ bis AN _– | ☾ | 15:13 | —:~ | 04:37 | 50m | 05:27 | 42m | 06:10 | 36m | 06:47 | 14h 26m | 21:13 | 36m | 21:49 | 42m | 22:32 | 49m | 23:21 | 9h 35m | 5h 18m | | | | Mo, 12. Aug |
| Di, 13. Aug | MESZ | 00:30* – 04:42* | 4h 11m | M ₇ bis AN _– | | 16:25 | 00:02 | 04:39 | 49m | 05:29 | 42m | 06:11 | 36m | 06:48 | 14h 23m | 21:11 | 36m | 21:47 | 42m | 22:30 | 49m | 23:19 | 9h 38m | 5h 23m | | | | Di, 13. Aug |
| Mi, 14. Aug | MESZ | 01:10* – 04:44* | 3h 34m | M ₇ bis AN _– | | 17:36 | 00:30 | 04:42 | 49m | 05:31 | 42m | 06:13 | 36m | 06:49 | 14h 19m | 21:09 | 36m | 21:46 | 41m | 22:27 | 48m | 23:16 | 9h 41m | 5h 27m | | | | Mi, 14. Aug |
| Do, 15. Aug | MESZ | 02:03* – 04:46* | 2h 42m | M ₇ bis AN _– | | 18:42 | 01:10 | 04:44 | 48m | 05:33 | 41m | 06:14 | 36m | 06:51 | 14h 16m | 21:08 | 36m | 21:44 | 41m | 22:25 | 48m | 23:13 | 9h 44m | 5h 32m | | | | Do, 15. Aug |
| Fr, 16. Aug | MESZ | 03:13* – 04:48* | 1h 35m | M ₇ bis AN _– | | 19:37 | 02:03 | 04:46 | 48m | 05:34 | 41m | 06:16 | 36m | 06:52 | 14h 13m | 21:06 | 35m | 21:42 | 41m | 22:23 | 47m | 23:11 | 9h 47m | 5h 37m | | | | Fr, 16. Aug |
| Sa, 17. Aug | MESZ | 04:34* – 04:51* | 16m | M ₇ bis AN _– | | 20:20 | 03:13 | 04:48 | 47m | 05:36 | 41m | 06:17 | 35m | 06:53 | 14h 10m | 21:04 | 35m | 21:40 | 41m | 22:21 | 47m | 23:08 | 9h 50m | 5h 42m | | | | Sa, 17. Aug |
| So, 18. Aug | MESZ | —:~:~:~:~ | – | Mond stört | | 20:52 | 04:34 | 04:51 | 47m | 05:38 | 41m | 06:19 | 35m | 06:55 | 14h 07m | 21:02 | 35m | 21:38 | 40m | 22:19 | 46m | 23:05 | 9h 53m | 5h 47m | | | | So, 18. Aug |
| Mo, 19. Aug | MESZ | —:~:~:~:~ | – | Mond stört | ☉ | 21:16 | 06:01 | 04:53 | 46m | 05:40 | 40m | 06:20 | 35m | 06:56 | 14h 04m | 21:00 | 35m | 21:36 | 40m | 22:17 | 46m | 23:03 | 9h 57m | 5h 52m | | | | Mo, 19. Aug |
| Di, 20. Aug | MESZ | —:~:~:~:~ | – | Mond stört | | 21:36 | 07:29 | 04:55 | 46m | 05:41 | 40m | 06:22 | 35m | 06:57 | 14h 01m | 20:59 | 35m | 21:34 | 40m | 22:14 | 45m | 23:00 | 10h 00m | 5h 57m | | | | Di, 20. Aug |
| Mi, 21. Aug | MESZ | —:~:~:~:~ | – | Mond stört | | 21:54 | 08:56 | 04:57 | 45m | 05:43 | 40m | 06:23 | 35m | 06:59 | 13h 57m | 20:57 | 35m | 21:32 | 40m | 22:12 | 45m | 22:58 | 10h 03m | 6h 01m | | | | Mi, 21. Aug |
| Do, 22. Aug | MESZ | —:~:~:~:~ | – | Mond stört | | 22:12 | 10:21 | 04:59 | 45m | 05:45 | 40m | 06:25 | 35m | 07:00 | 13h 54m | 20:55 | 35m | 21:30 | 39m | 22:10 | 44m | 22:55 | 10h 06m | 6h 06m | | | | Do, 22. Aug |
| Fr, 23. Aug | MESZ | —:~:~:~:~ | – | Mond stört | | 22:30 | 11:46 | 05:01 | 45m | 05:46 | 39m | 06:26 | 35m | 07:02 | 13h 51m | 20:53 | 34m | 21:28 | 39m | 22:08 | 44m | 22:52 | 10h 09m | 6h 11m | | | | Fr, 23. Aug |
| Sa, 24. Aug | MESZ | 22:50 – 22:51 | 1m | AN ₊ bis M ₇ | | 22:51 | 13:10 | 05:03 | 44m | 05:48 | 39m | 06:28 | 35m | 07:03 | 13h 48m | 20:51 | 34m | 21:26 | 39m | 22:05 | 44m | 22:50 | 10h 13m | 6h 15m | | | | Sa, 24. Aug |
| So, 25. Aug | MESZ | 22:47 – 23:18 | 30m | AN ₊ bis M ₇ | | 23:18 | 14:34 | 05:06 | 44m | 05:50 | 39m | 06:29 | 34m | 07:04 | 13h 44m | 20:49 | 34m | 21:24 | 39m | 22:03 | 43m | 22:47 | 10h 16m | 6h 20m | | | | So, 25. Aug |
| Mo, 26. Aug | MESZ | 22:45 – 23:52 | 1h 07m | AN ₊ bis M ₇ | ☾ | 23:52 | 15:56 | 05:08 | 43m | 05:51 | 39m | 06:31 | 34m | 07:06 | 13h 41m | 20:47 | 34m | 21:22 | 39m | 22:01 | 43m | 22:45 | 10h 19m | 6h 25m | | | | Mo, 26. Aug |
| Di, 27. Aug | MESZ | 22:42 – 00:38* | 1h 55m | AN ₊ bis M ₇ | | —:~ | 17:10 | 05:10 | 43m | 05:53 | 39m | 06:32 | 34m | 07:07 | 13h 38m | 20:45 | 34m | 21:20 | 38m | 21:59 | 43m | 22:42 | 10h 22m | 6h 29m | | | | Di, 27. Aug |
| Mi, 28. Aug | MESZ | 22:39 – 01:35* | 2h 55m | AN ₊ bis M ₇ | | 00:38 | 18:11 | 05:12 | 43m | 05:55 | 38m | 06:34 | 34m | 07:08 | 13h 35m | 20:43 | 34m | 21:18 | 38m | 21:57 | 42m | 22:39 | 10h 26m | 6h 34m | | | | Mi, 28. Aug |
| Do, 29. Aug | MESZ | 22:37 – 02:42* | 4h 05m | AN ₊ bis M ₇ | | 01:35 | 18:59 | 05:14 | 42m | 05:56 | 38m | 06:35 | 34m | 07:10 | 13h 31m | 20:41 | 34m | 21:16 | 38m | 21:54 | 42m | 22:37 | 10h 29m | 6h 38m | | | | Do, 29. Aug |

Table with 29 columns (1-29) and 48 rows (1-48). Columns include dates, zones, astronomical data (Astr.), moon phase (Ph.), moon rise/set times (↑, ↓), and twilight types (Astr., Bürg., Naut., Δt). Rows correspond to dates from Sep 7 to Oct 26, 2024.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|-------------|----------|----------------------------|------------|------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|-------------|
| 2024 | Zeitzone | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | Sonne | | | Ende der Abenddämmerung | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2024 | | |
| | | | Δt | | Ph. | \nearrow | \searrow | Astr. | Δt | Naut. | Δt | Bürg. | Δt | \nearrow | Δt | \searrow | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| So, 27. Okt | | 19:30-03:13* | 7h 42m | AN+ bis M _J | | 02:06 | 16:06 | 05:47 | 35m | 06:23 | 35m | 06:58 | 33m | 07:32 | 10h 12m | 17:45 | 33m | 18:19 | 35m | 18:55 | 35m | 19:30 | 13h 48m | 10h 18m | | | | So, 27. Okt |
| Mo, 28. Okt | | 19:29-04:19* | 8h 50m | AN+ bis M _J | | 03:13 | 16:19 | 05:48 | 35m | 06:24 | 35m | 07:00 | 34m | 07:34 | 10h 09m | 17:43 | 34m | 18:17 | 35m | 18:53 | 35m | 19:29 | 13h 51m | 10h 20m | | | | Mo, 28. Okt |
| Di, 29. Okt | | 19:27-05:24* | 9h 57m | AN+ bis M _J | | 04:19 | 16:32 | 05:50 | 35m | 06:26 | 35m | 07:01 | 34m | 07:35 | 10h 06m | 17:42 | 34m | 18:16 | 35m | 18:52 | 35m | 19:27 | 13h 55m | 10h 23m | | | | Di, 29. Okt |
| Mi, 30. Okt | | 19:26-05:52* | 10h 26m | AN+ bis AN- | | 05:24 | 16:45 | 05:51 | 35m | 06:27 | 35m | 07:03 | 34m | 07:37 | 10h 03m | 17:40 | 34m | 18:14 | 35m | 18:50 | 35m | 19:26 | 13h 58m | 10h 26m | | | | Mi, 30. Okt |
| Do, 31. Okt | | 19:24-05:54* | 10h 29m | AN+ bis AN- | | 06:31 | 17:00 | 05:52 | 35m | 06:28 | 35m | 07:04 | 34m | 07:38 | 10h 00m | 17:39 | 34m | 18:13 | 35m | 18:49 | 35m | 19:24 | 14h 01m | 10h 29m | | | | Do, 31. Okt |
| Fr, 1. Nov | | 19:23-05:55* | 10h 32m | AN+ bis AN- | ☀ | 07:39 | 17:17 | 05:54 | 35m | 06:30 | 35m | 07:05 | 34m | 07:40 | 9h 57m | 17:37 | 34m | 18:11 | 35m | 18:47 | 35m | 19:23 | 14h 04m | 10h 32m | | | | Fr, 1. Nov |
| Sa, 2. Nov | | 19:22-05:56* | 10h 34m | AN+ bis AN- | | 08:49 | 17:38 | 05:55 | 35m | 06:31 | 35m | 07:07 | 34m | 07:41 | 9h 54m | 17:36 | 34m | 18:10 | 35m | 18:46 | 35m | 19:22 | 14h 07m | 10h 34m | | | | Sa, 2. Nov |
| So, 3. Nov | | 19:20-05:58* | 10h 37m | AN+ bis AN- | | 10:01 | 18:06 | 05:56 | 35m | 06:32 | 35m | 07:08 | 34m | 07:43 | 9h 51m | 17:34 | 34m | 18:09 | 35m | 18:44 | 35m | 19:20 | 14h 10m | 10h 37m | | | | So, 3. Nov |
| Mo, 4. Nov | | 19:19-05:59* | 10h 39m | AN+ bis AN- | | 11:10 | 18:43 | 05:58 | 36m | 06:34 | 36m | 07:10 | 34m | 07:44 | 9h 48m | 17:33 | 34m | 18:07 | 35m | 18:43 | 35m | 19:19 | 14h 13m | 10h 39m | | | | Mo, 4. Nov |
| Di, 5. Nov | | 19:33-06:00* | 10h 27m | M _V bis AN- | | 12:13 | 19:33 | 05:59 | 36m | 06:35 | 36m | 07:11 | 34m | 07:46 | 9h 45m | 17:31 | 34m | 18:06 | 36m | 18:42 | 35m | 19:18 | 14h 16m | 10h 42m | | | | Di, 5. Nov |
| Mi, 6. Nov | | 20:36-06:02* | 9h 26m | M _V bis AN- | | 13:05 | 20:36 | 06:00 | 36m | 06:36 | 36m | 07:13 | 34m | 07:48 | 9h 42m | 17:30 | 34m | 18:04 | 36m | 18:41 | 36m | 19:17 | 14h 19m | 10h 45m | | | | Mi, 6. Nov |
| Do, 7. Nov | | 21:48-06:03* | 8h 14m | M _V bis AN- | | 13:47 | 21:48 | 06:02 | 36m | 06:38 | 36m | 07:14 | 35m | 07:49 | 9h 39m | 17:28 | 34m | 18:03 | 36m | 18:39 | 36m | 19:15 | 14h 22m | 10h 47m | | | | Do, 7. Nov |
| Fr, 8. Nov | | 23:07-06:04* | 6h 57m | M _V bis AN- | | 14:18 | 23:07 | 06:03 | 36m | 06:39 | 36m | 07:15 | 35m | 07:51 | 9h 36m | 17:27 | 35m | 18:02 | 36m | 18:38 | 36m | 19:14 | 14h 25m | 10h 50m | | | | Fr, 8. Nov |
| Sa, 9. Nov | | 00:28*-06:06* | 5h 37m | M _V bis AN- | ☾ | 14:43 | —:— | 06:04 | 36m | 06:41 | 36m | 07:17 | 35m | 07:52 | 9h 33m | 17:26 | 35m | 18:01 | 36m | 18:37 | 36m | 19:13 | 14h 28m | 10h 52m | | | | Sa, 9. Nov |
| So, 10. Nov | | 01:50*-06:07* | 4h 17m | M _V bis AN- | | 15:03 | 00:28 | 06:06 | 36m | 06:42 | 36m | 07:18 | 35m | 07:54 | 9h 30m | 17:24 | 35m | 17:59 | 36m | 18:36 | 36m | 19:12 | 14h 30m | 10h 54m | | | | So, 10. Nov |
| Mo, 11. Nov | | 03:12*-06:08* | 2h 56m | M _V bis AN- | | 15:20 | 01:50 | 06:07 | 36m | 06:43 | 36m | 07:20 | 35m | 07:55 | 9h 27m | 17:23 | 35m | 17:58 | 36m | 18:35 | 36m | 19:11 | 14h 33m | 10h 57m | | | | Mo, 11. Nov |
| Di, 12. Nov | | 04:36*-06:09* | 1h 33m | M _V bis AN- | | 15:37 | 03:12 | 06:08 | 36m | 06:45 | 36m | 07:21 | 35m | 07:57 | 9h 25m | 17:22 | 35m | 17:57 | 36m | 18:34 | 36m | 19:10 | 14h 36m | 10h 59m | | | | Di, 12. Nov |
| Mi, 13. Nov | | 06:02*-06:11* | 8m | M _V bis AN- | | 15:55 | 04:36 | 06:09 | 36m | 06:46 | 36m | 07:23 | 35m | 07:58 | 9h 22m | 17:20 | 35m | 17:56 | 36m | 18:33 | 36m | 19:09 | 14h 39m | 11h 01m | | | | Mi, 13. Nov |
| Do, 14. Nov | | —:—:—:— | — | Mond stört | | 16:15 | 06:02 | 06:11 | 36m | 06:47 | 36m | 07:24 | 35m | 08:00 | 9h 19m | 17:19 | 35m | 17:55 | 36m | 18:32 | 36m | 19:08 | 14h 41m | 11h 03m | | | | Do, 14. Nov |
| Fr, 15. Nov | | —:—:—:— | — | Mond stört | ☉ | 16:41 | 07:31 | 06:12 | 36m | 06:48 | 36m | 07:25 | 35m | 08:01 | 9h 17m | 17:18 | 35m | 17:54 | 36m | 18:31 | 36m | 19:07 | 14h 44m | 11h 06m | | | | Fr, 15. Nov |
| Sa, 16. Nov | | —:—:—:— | — | Mond stört | | 17:15 | 09:00 | 06:13 | 36m | 06:50 | 36m | 07:27 | 35m | 08:03 | 9h 14m | 17:17 | 35m | 17:53 | 36m | 18:30 | 36m | 19:06 | 14h 47m | 11h 08m | | | | Sa, 16. Nov |
| So, 17. Nov | | —:~:~:~:~ | ~ | Mond stört | | 18:01 | 10:24 | 06:15 | 36m | 06:51 | 36m | 07:28 | 36m | 08:04 | 9h 11m | 17:16 | 36m | 17:52 | 36m | 18:29 | 36m | 19:05 | 14h 49m | 11h 10m | | | | So, 17. Nov |
| Mo, 18. Nov | | —:~:~:~:~ | ~ | Mond stört | | 19:01 | 11:35 | 06:16 | 36m | 06:52 | 37m | 07:29 | 36m | 08:06 | 9h 09m | 17:15 | 36m | 17:51 | 37m | 18:28 | 36m | 19:05 | 14h 52m | 11h 12m | | | | Mo, 18. Nov |
| Di, 19. Nov | | 19:04-20:11 | 1h 07m | AN+ bis M _J | | 20:11 | 12:28 | 06:17 | 36m | 06:54 | 37m | 07:31 | 36m | 08:07 | 9h 06m | 17:14 | 36m | 17:50 | 37m | 18:27 | 36m | 19:04 | 14h 54m | 11h 14m | | | | Di, 19. Nov |
| Mi, 20. Nov | | 19:03-21:27 | 2h 23m | AN+ bis M _J | | 21:27 | 13:07 | 06:18 | 36m | 06:55 | 37m | 07:32 | 36m | 08:08 | 9h 04m | 17:13 | 36m | 17:49 | 37m | 18:27 | 36m | 19:03 | 14h 56m | 11h 16m | | | | Mi, 20. Nov |
| Do, 21. Nov | | 19:03-22:41 | 3h 38m | AN+ bis M _J | | 22:41 | 13:35 | 06:19 | 36m | 06:56 | 37m | 07:33 | 36m | 08:10 | 9h 02m | 17:12 | 36m | 17:49 | 37m | 18:26 | 36m | 19:03 | 14h 59m | 11h 17m | | | | Do, 21. Nov |
| Fr, 22. Nov | | 19:02-23:53 | 4h 51m | AN+ bis M _J | | 23:53 | 13:56 | 06:21 | 36m | 06:57 | 37m | 07:35 | 36m | 08:11 | 8h 59m | 17:11 | 36m | 17:48 | 37m | 18:25 | 36m | 19:02 | 15h 01m | 11h 19m | | | | Fr, 22. Nov |
| Sa, 23. Nov | | 19:01-01:02* | 6h 00m | AN+ bis M _J | ☾ | —:— | 14:12 | 06:22 | 36m | 06:59 | 37m | 07:36 | 36m | 08:13 | 8h 57m | 17:10 | 36m | 17:47 | 37m | 18:24 | 36m | 19:01 | 15h 03m | 11h 21m | | | | Sa, 23. Nov |
| So, 24. Nov | | 19:01-02:08* | 7h 07m | AN+ bis M _J | | 01:02 | 14:26 | 06:23 | 36m | 07:00 | 37m | 07:37 | 36m | 08:14 | 8h 55m | 17:10 | 36m | 17:46 | 37m | 18:24 | 36m | 19:01 | 15h 05m | 11h 23m | | | | So, 24. Nov |
| Mo, 25. Nov | | 19:00-03:14* | 8h 13m | AN+ bis M _J | | 02:08 | 14:39 | 06:24 | 36m | 07:01 | 37m | 07:39 | 36m | 08:15 | 8h 53m | 17:09 | 36m | 17:46 | 37m | 18:23 | 36m | 19:00 | 15h 07m | 11h 24m | | | | Mo, 25. Nov |
| Di, 26. Nov | | 19:00-04:19* | 9h 19m | AN+ bis M _J | | 03:14 | 14:52 | 06:25 | 36m | 07:02 | 37m | 07:40 | 37m | 08:17 | 8h 51m | 17:08 | 37m | 17:45 | 37m | 18:23 | 36m | 19:00 | 15h 09m | 11h 26m | | | | Di, 26. Nov |
| Mi, 27. Nov | | 18:59-05:27* | 10h 27m | AN+ bis M _J | | 04:19 | 15:06 | 06:26 | 37m | 07:03 | 37m | 07:41 | 37m | 08:18 | 8h 49m | 17:08 | 37m | 17:45 | 37m | 18:22 | 37m | 18:59 | 15h 11m | 11h 28m | | | | Mi, 27. Nov |
| Do, 28. Nov | | 18:59-06:28* | 11h 29m | AN+ bis AN- | | 05:27 | 15:22 | 06:27 | 37m | 07:04 | 37m | 07:42 | 37m | 08:19 | 8h 47m | 17:07 | 37m | 17:44 | 37m | 18:22 | 37m | 18:59 | 15h 13m | 11h 29m | | | | Do, 28. Nov |
| Fr, 29. Nov | | 18:59-06:29* | 11h 30m | AN+ bis AN- | | 06:37 | 15:42 | 06:28 | 37m | 07:06 | 37m | 07:43 | 37m | 08:21 | 8h 45m | 17:06 | 37m | 17:44 | 37m | 18:21 | 37m | 18:59 | 15h 15m | 11h 30m | | | | Fr, 29. Nov |
| Sa, 30. Nov | | 18:58-06:31* | 11h 32m | AN+ bis AN- | | 07:48 | 16:08 | 06:29 | 37m | 07:07 | 37m | 07:45 | 37m | 08:22 | 8h 43m | 17:06 | 37m | 17:43 | 37m | 18:21 | 37m | 18:58 | 15h 17m | 11h 32m | | | | Sa, 30. Nov |
| So, 1. Dez | | 18:58-06:32* | 11h 33m | AN+ bis AN- | ☀ | 08:59 | 16:43 | 06:31 | 37m | 07:08 | 37m | 07:46 | 37m | 08:23 | 8h 42m | 17:05 | 37m | 17:43 | 37m | 18:21 | 37m | 18:58 | 15h 19m | 11h 33m | | | | So, 1. Dez |
| Mo, 2. Dez | | 18:58-06:33* | 11h 34m | AN+ bis AN- | | 10:05 | 17:29 | 06:32 | 37m | 07:09 | 38m | 07:47 | 37m | 08:24 | 8h 40m | 17:05 | 37m | 17:42 | 38m | 18:20 | 37m | 18:58 | 15h 20m | 11h 34m | | | | Mo, 2. Dez |
| Di, 3. Dez | | 18:58-06:34* | 11h 36m | AN+ bis AN- | | 11:02 | 18:29 | 06:33 | 37m | 07:10 | 38m | 07:48 | 37m | 08:26 | 8h 38m | 17:05 | 37m | 17:42 | 38m | 18:20 | 37m | 18:58 | 15h 22m | 11h 36m | | | | Di, 3. Dez |
| Mi, 4. Dez | | 19:40-06:35* | 10h 55m | M _V bis AN- | | 11:47 | 19:40 | 06:34 | 37m | 07:11 | 38m | 07:49 | 37m | 08:27 | 8h 37m | 17:04 | 37m | 17:42 | 38m | 18:20 | 37m | 18:57 | 15h 23m | 11h 37m | | | | Mi, 4. Dez |
| Do, 5. Dez | | 20:57-06:35* | 9h 38m | M _V bis AN- | | 12:21 | 20:57 | 06:35 | 37m | 07:12 | 38m | 07:50 | 37m | 08:28 | 8h 35m | 17:04 | 37m | 17:42 | 38m | 18:20 | 37m | 18:57 | 15h 25m | 11h 38m | | | | Do, 5. Dez |
| Fr, 6. Dez | | 22:17-06:36* | 8h 19m | M _V bis AN- | | 12:47 | 22:17 | 06:35 | 37m | 07:13 | 38m | 07:51 | 37m | 08:29 | 8h 34m | 17:04 | 37m | 17:42 | 38m | 18:20 | 37m | 18:57 | 15h 26m | 11h 39m | | | | Fr, 6. Dez |
| Sa, 7. Dez | | 23:36-06:37* | 7h 00m | M _V bis AN- | | 13:08 | 23:36 | 06:36 | 37m | 07:14 | 38m | 07:52 | 37m | 08:30 | 8h 33m | 17:03 | 37m | 17:41 | 38m | 18:20 | 37m | 18:57 | 15h 27m | 11h 40m | | | | Sa, 7. Dez |
| So, 8. Dez | | 00:56*-06:38* | 5h 42m | M _V bis AN- | ☾ | 13:25 | —:— | 06:37 | 37m | 07:15 | 38m | 07:53 | 38m | 08:31 | 8h 32m | 17:03 | 38m | 17:41 | 38m | 18:20 | 37m | 18:57 | 15h 28m | 11h 41m | | | | So, 8. Dez |
| Mo, 9. Dez | | 02:16*-06:39* | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|-------------|----------|----------------------------|---------|-------------------------------------|------|-------|-------|----------------------------|-----|-------|-----|-------|-------|-------|--------|-------|-----|-------------------------|-----|-------|-----|-------|---------|----------|----------------------------|----|----|-------------|
| 2024/25 | Zeitzone | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | Sonne | | | | | Ende der Abenddämmerung | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2024/25 |
| | | Δt | | | Ph. | ↑ | ↓ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↑ | Δt | ↓ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Mo, 16. Dez | | —:—:—:— | — | Mond stört | | 17:47 | 10:14 | 06:43 | 37m | 07:21 | 38m | 08:00 | 38m | 08:38 | 8h 25m | 17:04 | 38m | 17:42 | 38m | 18:21 | 37m | 18:59 | 15h 34m | 11h 45m | | | | Mo, 16. Dez |
| Di, 17. Dez | | 18:59 – 19:03 | 3m | AN ₊ bis M _J | | 19:03 | 11:00 | 06:44 | 37m | 07:22 | 38m | 08:00 | 38m | 08:39 | 8h 25m | 17:04 | 38m | 17:43 | 38m | 18:21 | 37m | 18:59 | 15h 35m | 11h 45m | | | | Di, 17. Dez |
| Mi, 18. Dez | | 18:59 – 20:20 | 1h 20m | AN ₊ bis M _J | | 20:20 | 11:33 | 06:45 | 37m | 07:22 | 38m | 08:01 | 38m | 08:39 | 8h 25m | 17:05 | 38m | 17:43 | 38m | 18:22 | 37m | 18:59 | 15h 35m | 11h 46m | | | | Mi, 18. Dez |
| Do, 19. Dez | | 19:00 – 21:35 | 2h 35m | AN ₊ bis M _J | | 21:35 | 11:57 | 06:45 | 37m | 07:23 | 38m | 08:02 | 38m | 08:40 | 8h 24m | 17:05 | 38m | 17:43 | 38m | 18:22 | 37m | 19:00 | 15h 35m | 11h 46m | | | | Do, 19. Dez |
| Fr, 20. Dez | | 19:00 – 22:46 | 3h 46m | AN ₊ bis M _J | | 22:46 | 12:16 | 06:46 | 37m | 07:24 | 38m | 08:02 | 38m | 08:41 | 8h 24m | 17:05 | 38m | 17:44 | 38m | 18:23 | 37m | 19:00 | 15h 35m | 11h 46m | | | | Fr, 20. Dez |
| Sa, 21. Dez | | 19:01 – 23:54 | 4h 53m | AN ₊ bis M _J | | 23:54 | 12:31 | 06:46 | 37m | 07:24 | 38m | 08:03 | 38m | 08:41 | 8h 24m | 17:06 | 38m | 17:44 | 38m | 18:23 | 37m | 19:01 | 15h 35m | 11h 46m | | | | Sa, 21. Dez |
| So, 22. Dez | | 19:01 – 01:01* | 5h 59m | AN ₊ bis M _J | ☉ | —:— | 12:45 | 06:47 | 37m | 07:25 | 38m | 08:03 | 38m | 08:42 | 8h 24m | 17:06 | 38m | 17:45 | 38m | 18:24 | 37m | 19:01 | 15h 35m | 11h 46m | | | | So, 22. Dez |
| Mo, 23. Dez | | 19:02 – 02:06* | 7h 04m | AN ₊ bis M _J | | 01:01 | 12:58 | 06:47 | 37m | 07:25 | 38m | 08:04 | 38m | 08:42 | 8h 24m | 17:07 | 38m | 17:45 | 38m | 18:24 | 37m | 19:02 | 15h 35m | 11h 45m | | | | Mo, 23. Dez |
| Di, 24. Dez | | 19:02 – 03:13* | 8h 10m | AN ₊ bis M _J | | 02:06 | 13:11 | 06:48 | 37m | 07:25 | 38m | 08:04 | 38m | 08:42 | 8h 25m | 17:08 | 38m | 17:46 | 38m | 18:25 | 37m | 19:02 | 15h 35m | 11h 45m | | | | Di, 24. Dez |
| Mi, 25. Dez | | 19:03 – 04:21* | 9h 18m | AN ₊ bis M _J | | 03:13 | 13:26 | 06:48 | 37m | 07:26 | 38m | 08:04 | 38m | 08:43 | 8h 25m | 17:08 | 38m | 17:47 | 38m | 18:25 | 37m | 19:03 | 15h 34m | 11h 45m | | | | Mi, 25. Dez |
| Do, 26. Dez | | 19:04 – 05:32* | 10h 28m | AN ₊ bis M _J | | 04:21 | 13:45 | 06:48 | 37m | 07:26 | 38m | 08:05 | 38m | 08:43 | 8h 25m | 17:09 | 38m | 17:47 | 38m | 18:26 | 37m | 19:04 | 15h 34m | 11h 45m | | | | Do, 26. Dez |
| Fr, 27. Dez | | 19:04 – 06:43* | 11h 39m | AN ₊ bis M _J | | 05:32 | 14:08 | 06:49 | 37m | 07:26 | 38m | 08:05 | 38m | 08:43 | 8h 26m | 17:10 | 38m | 17:48 | 38m | 18:27 | 37m | 19:04 | 15h 33m | 11h 44m | | | | Fr, 27. Dez |
| Sa, 28. Dez | | 19:05 – 06:49* | 11h 44m | AN ₊ bis AN ₋ | | 06:43 | 14:39 | 06:49 | 37m | 07:27 | 38m | 08:05 | 38m | 08:44 | 8h 27m | 17:11 | 38m | 17:49 | 38m | 18:27 | 37m | 19:05 | 15h 33m | 11h 44m | | | | Sa, 28. Dez |
| So, 29. Dez | | 19:06 – 06:49* | 11h 43m | AN ₊ bis AN ₋ | | 07:52 | 15:21 | 06:49 | 37m | 07:27 | 38m | 08:05 | 38m | 08:44 | 8h 27m | 17:11 | 38m | 17:50 | 38m | 18:28 | 37m | 19:06 | 15h 32m | 11h 43m | | | | So, 29. Dez |
| Mo, 30. Dez | | 19:07 – 06:50* | 11h 43m | AN ₊ bis AN ₋ | ☀ | 08:53 | 16:17 | 06:49 | 37m | 07:27 | 38m | 08:06 | 38m | 08:44 | 8h 28m | 17:12 | 38m | 17:51 | 38m | 18:29 | 37m | 19:07 | 15h 31m | 11h 43m | | | | Mo, 30. Dez |
| Di, 31. Dez | | 19:07 – 06:50* | 11h 42m | AN ₊ bis AN ₋ | | 09:43 | 17:26 | 06:50 | 37m | 07:27 | 38m | 08:06 | 38m | 08:44 | 8h 29m | 17:13 | 38m | 17:51 | 38m | 18:30 | 37m | 19:07 | 15h 30m | 11h 42m | | | | Di, 31. Dez |
| Mi, 1. Jan | | 19:08 – 06:50* | 11h 41m | AN ₊ bis AN ₋ | | 10:21 | 18:44 | 06:50 | 37m | 07:27 | 38m | 08:06 | 38m | 08:44 | 8h 30m | 17:14 | 38m | 17:52 | 38m | 18:31 | 37m | 19:08 | 15h 29m | 11h 41m | | | | Mi, 1. Jan |
| Do, 2. Jan | | 20:05 – 06:50* | 10h 45m | M _↓ bis AN ₋ | | 10:50 | 20:05 | 06:50 | 37m | 07:27 | 38m | 08:06 | 38m | 08:44 | 8h 31m | 17:15 | 38m | 17:53 | 38m | 18:32 | 37m | 19:09 | 15h 28m | 11h 40m | | | | Do, 2. Jan |
| Fr, 3. Jan | | 21:26 – 06:50* | 9h 24m | M _↓ bis AN ₋ | | 11:13 | 21:26 | 06:50 | 37m | 07:27 | 38m | 08:06 | 37m | 08:44 | 8h 32m | 17:16 | 38m | 17:54 | 38m | 18:33 | 37m | 19:10 | 15h 27m | 11h 39m | | | | Fr, 3. Jan |
| Sa, 4. Jan | | 22:46 – 06:50* | 8h 04m | M _↓ bis AN ₋ | | 11:31 | 22:46 | 06:50 | 37m | 07:27 | 38m | 08:06 | 37m | 08:44 | 8h 33m | 17:17 | 37m | 17:55 | 38m | 18:34 | 37m | 19:11 | 15h 26m | 11h 38m | | | | Sa, 4. Jan |
| So, 5. Jan | | 00:05* – 06:50* | 6h 44m | M _↓ bis AN ₋ | | 11:48 | —:— | 06:50 | 37m | 07:27 | 38m | 08:05 | 37m | 08:43 | 8h 35m | 17:18 | 37m | 17:56 | 38m | 18:34 | 37m | 19:12 | 15h 24m | 11h 37m | | | | So, 5. Jan |
| Mo, 6. Jan | | 01:25* – 06:50* | 5h 25m | M _↓ bis AN ₋ | | 12:04 | 00:05 | 06:50 | 37m | 07:27 | 38m | 08:05 | 37m | 08:43 | 8h 36m | 17:19 | 37m | 17:57 | 38m | 18:35 | 37m | 19:13 | 15h 23m | 11h 36m | | | | Mo, 6. Jan |
| Di, 7. Jan | | 02:46* – 06:50* | 4h 03m | M _↓ bis AN ₋ | ☾ | 12:22 | 01:25 | 06:50 | 37m | 07:27 | 38m | 08:05 | 37m | 08:43 | 8h 37m | 17:21 | 37m | 17:58 | 38m | 18:37 | 37m | 19:14 | 15h 21m | 11h 35m | | | | Di, 7. Jan |
| Mi, 8. Jan | | 04:10* – 06:49* | 2h 39m | M _↓ bis AN ₋ | | 12:42 | 02:46 | 06:50 | 37m | 07:27 | 38m | 08:05 | 37m | 08:43 | 8h 39m | 17:22 | 37m | 17:59 | 38m | 18:38 | 37m | 19:15 | 15h 20m | 11h 34m | | | | Mi, 8. Jan |
| Do, 9. Jan | | 05:34* – 06:49* | 1h 15m | M _↓ bis AN ₋ | | 13:07 | 04:10 | 06:49 | 37m | 07:27 | 38m | 08:05 | 37m | 08:42 | 8h 40m | 17:23 | 37m | 18:01 | 38m | 18:39 | 37m | 19:16 | 15h 18m | 11h 33m | | | | Do, 9. Jan |
| Fr, 10. Jan | | —:—:—:— | — | Mond stört | | 13:41 | 05:34 | 06:49 | 37m | 07:26 | 37m | 08:04 | 37m | 08:42 | 8h 42m | 17:24 | 37m | 18:02 | 37m | 18:40 | 37m | 19:17 | 15h 16m | 11h 31m | | | | Fr, 10. Jan |
| Sa, 11. Jan | | —:—:—:— | — | Mond stört | | 14:27 | 06:53 | 06:49 | 37m | 07:26 | 37m | 08:04 | 37m | 08:41 | 8h 44m | 17:26 | 37m | 18:03 | 37m | 18:41 | 37m | 19:18 | 15h 15m | 11h 30m | | | | Sa, 11. Jan |
| So, 12. Jan | | —:~:~:~:~ | — | Mond stört | | 15:27 | 08:00 | 06:49 | 37m | 07:26 | 37m | 08:03 | 37m | 08:41 | 8h 46m | 17:27 | 37m | 18:04 | 37m | 18:42 | 37m | 19:19 | 15h 13m | 11h 29m | | | | So, 12. Jan |
| Mo, 13. Jan | | —:~:~:~:~ | — | Mond stört | ☽ | 16:39 | 08:52 | 06:48 | 37m | 07:25 | 37m | 08:03 | 37m | 08:40 | 8h 48m | 17:28 | 37m | 18:05 | 37m | 18:43 | 37m | 19:20 | 15h 11m | 11h 27m | | | | Mo, 13. Jan |
| Di, 14. Jan | | —:~:~:~:~ | — | Mond stört | | 17:56 | 09:30 | 06:48 | 36m | 07:25 | 37m | 08:02 | 37m | 08:40 | 8h 49m | 17:30 | 37m | 18:07 | 37m | 18:44 | 37m | 19:21 | 15h 09m | 11h 26m | | | | Di, 14. Jan |
| Mi, 15. Jan | | —:~:~:~:~ | — | Mond stört | | 19:13 | 09:58 | 06:47 | 36m | 07:24 | 37m | 08:02 | 36m | 08:39 | 8h 52m | 17:31 | 36m | 18:08 | 37m | 18:46 | 36m | 19:22 | 15h 07m | 11h 24m | | | | Mi, 15. Jan |
| Do, 16. Jan | | 19:24 – 20:27 | 1h 03m | AN ₊ bis M _J | | 20:27 | 10:19 | 06:47 | 36m | 07:24 | 37m | 08:01 | 36m | 08:38 | 8h 54m | 17:32 | 36m | 18:09 | 37m | 18:47 | 36m | 19:24 | 15h 05m | 11h 22m | | | | Do, 16. Jan |
| Fr, 17. Jan | | 19:25 – 21:37 | 2h 12m | AN ₊ bis M _J | | 21:37 | 10:35 | 06:46 | 36m | 07:23 | 37m | 08:01 | 36m | 08:37 | 8h 56m | 17:34 | 36m | 18:10 | 37m | 18:48 | 36m | 19:25 | 15h 02m | 11h 21m | | | | Fr, 17. Jan |
| Sa, 18. Jan | | 19:26 – 22:45 | 3h 19m | AN ₊ bis M _J | | 22:45 | 10:50 | 06:46 | 36m | 07:23 | 37m | 08:00 | 36m | 08:37 | 8h 58m | 17:35 | 36m | 18:12 | 37m | 18:49 | 36m | 19:26 | 15h 00m | 11h 19m | | | | Sa, 18. Jan |
| So, 19. Jan | | 19:27 – 23:52 | 4h 24m | AN ₊ bis M _J | | 23:52 | 11:03 | 06:45 | 36m | 07:22 | 37m | 07:59 | 36m | 08:36 | 9h 00m | 17:37 | 36m | 18:13 | 37m | 18:50 | 36m | 19:27 | 14h 58m | 11h 17m | | | | So, 19. Jan |
| Mo, 20. Jan | | 19:28 – 00:58* | 5h 29m | AN ₊ bis M _J | | —:— | 11:16 | 06:45 | 36m | 07:21 | 37m | 07:59 | 36m | 08:35 | 9h 03m | 17:38 | 36m | 18:15 | 37m | 18:52 | 36m | 19:28 | 14h 56m | 11h 15m | | | | Mo, 20. Jan |
| Di, 21. Jan | | 19:30 – 02:05* | 6h 35m | AN ₊ bis M _J | ☽ | 00:58 | 11:30 | 06:44 | 36m | 07:21 | 37m | 07:58 | 36m | 08:34 | 9h 05m | 17:40 | 36m | 18:16 | 37m | 18:53 | 36m | 19:30 | 14h 53m | 11h 13m | | | | Di, 21. Jan |
| Mi, 22. Jan | | 19:31 – 03:15* | 7h 43m | AN ₊ bis M _J | | 02:05 | 11:47 | 06:43 | 36m | 07:20 | 37m | 07:57 | 36m | 08:33 | 9h 07m | 17:41 | 36m | 18:17 | 37m | 18:54 | 36m | 19:31 | 14h 51m | 11h 11m | | | | Mi, 22. Jan |
| Do, 23. Jan | | 19:32 – 04:26* | 8h 53m | AN ₊ bis M _J | | 03:15 | 12:08 | 06:43 | 36m | 07:19 | 36m | 07:56 | 36m | 08:32 | 9h 10m | 17:43 | 36m | 18:19 | 37m | 18:56 | 36m | 19:32 | 14h 48m | 11h 09m | | | | Do, 23. Jan |
| Fr, 24. Jan | | 19:34 – 05:35* | 10h 01m | AN ₊ bis M _J | | 04:26 | 12:35 | 06:42 | 36m | 07:18 | 36m | 07:55 | 36m | 08:31 | 9h 12m | 17:44 | 36m | 18:20 | 36m | 18:57 | 36m | 19:34 | 14h 46m | 11h 07m | | | | Fr, 24. Jan |
| Sa, 25. Jan | | 19:35 – 06:40* | 11h 05m | AN ₊ bis M _J | | 05:35 | 13:12 | 06:41 | 36m | 07:17 | 36m | 07:54 | 35m | 08:30 | 9h 15m | 17:46 | 35m | 18:21 | 36m | 18:58 | 36m | 19:35 | 14h 43m | 11h 05m | | | | Sa, 25. Jan |
| So, 26. Jan | | 19:36 – 06:39* | 11h 03m | AN ₊ bis AN ₋ | | 06:40 | 14:01 | 06:40 | 36m | 07:16 | 36m | 07:53 | 35m | 08:29 | 9h 18m | 17:47 | 35m | 18:23 | 36m | 19:00 | 36m | 19:36 | 14h 40m | 11h 03m | | | | So, 26. Jan |
| Mo, 27. Jan | | 19:37 – 06:38* | 11h 00m | AN ₊ bis AN ₋ | | 07:35 | 15:05 | 06:39</ | | | | | | | | | | | | | | | | | | | | |