

# Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Brake (Unterweser) 53.3381° N 8.4810° E

Berechnung: pyEphem  
Textsatz: L<sup>A</sup>T<sub>E</sub>X

## 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  $-18^\circ$ ) 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<sub>+</sub> (Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung), M<sub>v</sub> (Monduntergang), AN<sub>-</sub> (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M<sub>7</sub>

(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 =  $-18^\circ$ ).

**Spalte 10** Dauer der astr. Morgendämmerung.

**Spalte 11** Beginn der naut. Morgendämmerung (Sonnenhöhe =  $-12^\circ$ ).

**Spalte 12** Dauer der naut. Morgendämmerung.

**Spalte 13** Beginn der bürg. Morgendämmerung (Sonnenhöhe =  $-6^\circ$ ).

**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 =  $-6^\circ$ ).

**Spalte 20** Dauer der naut. Abenddämmerung.

**Spalte 21** Ende der naut. Abenddämmerung (Sonnenhöhe =  $-12^\circ$ ).

**Spalte 22** Dauer der astr. Abenddämmerung.

**Spalte 23** Ende der astr. Abenddämmerung (Sonnenhöhe =  $-18^\circ$ ).

**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  $-12^\circ$ ) und kein Mond stört.

**Spalte 27** Dauer der in Spalte 26 angegebenen Zeitspanne.

**Spalte 28** Ereignisse, die die nutzbare Zeitspanne begrenzen: ND<sub>+</sub> (Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung), M<sub>v</sub> (Monduntergang), ND<sub>-</sub> (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M<sub>7</sub> (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 |             |
|-------------|---------------|----------------------------|------------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|----|-------------|
| 2025        | Zeit-<br>zone | Astr. dunkel und kein Mond |            |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |    | 2025       |    |    |             |
|             |               |                            | $\Delta t$ |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |    | $\Delta t$ |    |    |             |
| Mi, 1. Jan  |               | 18:30–06:29*               | 11h 59m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 10:23      | 17:42      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 44m        | 08:40      | 7h 38m     | 16:18                   | 44m        | 17:03 | 44m        | 17:47 | 42m        | 18:30    | 16h 21m                    | 11h 59m    |    |            |    |    | Mi, 1. Jan  |
| Do, 2. Jan  |               | 19:11–06:29*               | 11h 17m    | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:44      | 19:11      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:40      | 7h 39m     | 16:20                   | 44m        | 17:04 | 43m        | 17:48 | 42m        | 18:31    | 16h 20m                    | 11h 58m    |    |            |    |    | Do, 2. Jan  |
| Fr, 3. Jan  |               | 20:41–06:29*               | 9h 48m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:59      | 20:41      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:40      | 7h 41m     | 16:21                   | 44m        | 17:05 | 43m        | 17:49 | 42m        | 18:32    | 16h 18m                    | 11h 57m    |    |            |    |    | Fr, 3. Jan  |
| Sa, 4. Jan  |               | 22:08–06:29*               | 8h 20m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:11      | 22:08      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:39      | 7h 42m     | 16:22                   | 44m        | 17:07 | 43m        | 17:50 | 42m        | 18:33    | 16h 17m                    | 11h 55m    |    |            |    |    | Sa, 4. Jan  |
| So, 5. Jan  |               | 23:34–06:29*               | 6h 54m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:21      | 23:34      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:39      | 7h 44m     | 16:23                   | 44m        | 17:08 | 43m        | 17:52 | 42m        | 18:34    | 16h 15m                    | 11h 54m    |    |            |    |    | So, 5. Jan  |
| Mo, 6. Jan  |               | 01:02*–06:28*              | 5h 26m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:30      | —:—        | 06:29                      | 42m        | 07:11 | 43m        | 07:54 | 44m        | 08:39      | 7h 46m     | 16:25                   | 44m        | 17:09 | 43m        | 17:53 | 42m        | 18:35    | 16h 13m                    | 11h 53m    |    |            |    |    | Mo, 6. Jan  |
| Di, 7. Jan  |               | 02:31*–06:28*              | 3h 56m     | M <sub>\</sub> bis AN <sub>-</sub>  | ☾    | 11:41      | 01:02      | 06:28                      | 42m        | 07:10 | 43m        | 07:54 | 44m        | 08:38      | 7h 47m     | 16:26                   | 44m        | 17:10 | 43m        | 17:54 | 42m        | 18:36    | 16h 11m                    | 11h 51m    |    |            |    |    | Di, 7. Jan  |
| Mi, 8. Jan  |               | 04:03*–06:28*              | 2h 24m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:53      | 02:31      | 06:28                      | 42m        | 07:10 | 43m        | 07:54 | 44m        | 08:38      | 7h 49m     | 16:27                   | 44m        | 17:12 | 43m        | 17:55 | 42m        | 18:37    | 16h 09m                    | 11h 50m    |    |            |    |    | Mi, 8. Jan  |
| Do, 9. Jan  |               | 05:35*–06:27*              | 51m        | M <sub>\</sub> bis AN <sub>-</sub>  |      | 12:11      | 04:03      | 06:28                      | 41m        | 07:10 | 43m        | 07:53 | 43m        | 08:37      | 7h 51m     | 16:29                   | 43m        | 17:13 | 43m        | 17:56 | 41m        | 18:38    | 16h 07m                    | 11h 48m    |    |            |    |    | Do, 9. Jan  |
| Fr, 10. Jan |               | —:—:—:—                    | –          | Mond stört                          |      | 12:37      | 05:35      | 06:27                      | 41m        | 07:09 | 43m        | 07:53 | 43m        | 08:36      | 7h 54m     | 16:30                   | 43m        | 17:14 | 43m        | 17:58 | 41m        | 18:40    | 16h 05m                    | 11h 47m    |    |            |    |    | Fr, 10. Jan |
| Sa, 11. Jan |               | —:—:—:—                    | –          | Mond stört                          |      | 13:16      | 07:01      | 06:27                      | 41m        | 07:09 | 43m        | 07:52 | 43m        | 08:36      | 7h 56m     | 16:32                   | 43m        | 17:16 | 43m        | 17:59 | 41m        | 18:41    | 16h 02m                    | 11h 45m    |    |            |    |    | Sa, 11. Jan |
| So, 12. Jan |               | —:—:~:~                    | –          | Mond stört                          |      | 14:15      | 08:11      | 06:26                      | 41m        | 07:08 | 43m        | 07:51 | 43m        | 08:35      | 7h 58m     | 16:33                   | 43m        | 17:17 | 43m        | 18:00 | 41m        | 18:42    | 16h 00m                    | 11h 43m    |    |            |    |    | So, 12. Jan |
| Mo, 13. Jan |               | —:~:~:~:~                  | –          | Mond stört                          | ☉    | 15:31      | 08:59      | 06:26                      | 41m        | 07:08 | 43m        | 07:51 | 43m        | 08:34      | 8h 01m     | 16:35                   | 43m        | 17:18 | 43m        | 18:02 | 41m        | 18:43    | 15h 58m                    | 11h 41m    |    |            |    |    | Mo, 13. Jan |
| Di, 14. Jan |               | —:~:~:~:~                  | –          | Mond stört                          |      | 16:55      | 09:31      | 06:25                      | 41m        | 07:07 | 42m        | 07:50 | 43m        | 08:33      | 8h 03m     | 16:37                   | 43m        | 17:20 | 42m        | 18:03 | 41m        | 18:45    | 15h 55m                    | 11h 40m    |    |            |    |    | Di, 14. Jan |
| Mi, 15. Jan |               | —:~:~:~:~                  | –          | Mond stört                          |      | 18:20      | 09:51      | 06:25                      | 41m        | 07:06 | 42m        | 07:49 | 43m        | 08:32      | 8h 06m     | 16:38                   | 43m        | 17:21 | 42m        | 18:04 | 41m        | 18:46    | 15h 52m                    | 11h 38m    |    |            |    |    | Mi, 15. Jan |
| Do, 16. Jan |               | 18:47–19:41                | 54m        | AN <sub>+</sub> bis M <sub>7</sub>  |      | 19:41      | 10:05      | 06:24                      | 41m        | 07:06 | 42m        | 07:48 | 42m        | 08:31      | 8h 08m     | 16:40                   | 42m        | 17:23 | 42m        | 18:06 | 41m        | 18:47    | 15h 50m                    | 11h 35m    |    |            |    |    | Do, 16. Jan |
| Fr, 17. Jan |               | 18:49–20:59                | 2h 09m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 20:59      | 10:15      | 06:23                      | 41m        | 07:05 | 42m        | 07:47 | 42m        | 08:30      | 8h 11m     | 16:42                   | 42m        | 17:24 | 42m        | 18:07 | 41m        | 18:49    | 15h 47m                    | 11h 33m    |    |            |    |    | Fr, 17. Jan |
| Sa, 18. Jan |               | 18:50–22:13                | 3h 22m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 22:13      | 10:24      | 06:23                      | 41m        | 07:04 | 42m        | 07:47 | 42m        | 08:29      | 8h 14m     | 16:43                   | 42m        | 17:26 | 42m        | 18:09 | 41m        | 18:50    | 15h 44m                    | 11h 31m    |    |            |    |    | Sa, 18. Jan |
| So, 19. Jan |               | 18:52–23:25                | 4h 33m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 23:25      | 10:31      | 06:22                      | 41m        | 07:03 | 42m        | 07:46 | 42m        | 08:28      | 8h 17m     | 16:45                   | 42m        | 17:28 | 42m        | 18:10 | 41m        | 18:52    | 15h 41m                    | 11h 29m    |    |            |    |    | So, 19. Jan |
| Mo, 20. Jan |               | 18:53–00:38*               | 5h 44m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 10:39      | 06:21                      | 41m        | 07:02 | 42m        | 07:45 | 42m        | 08:27      | 8h 20m     | 16:47                   | 42m        | 17:29 | 42m        | 18:12 | 41m        | 18:53    | 15h 38m                    | 11h 27m    |    |            |    |    | Mo, 20. Jan |
| Di, 21. Jan |               | 18:54–01:52*               | 6h 57m     | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 00:38      | 10:48      | 06:20                      | 41m        | 07:01 | 42m        | 07:43 | 42m        | 08:26      | 8h 23m     | 16:49                   | 42m        | 17:31 | 42m        | 18:13 | 41m        | 18:54    | 15h 35m                    | 11h 24m    |    |            |    |    | Di, 21. Jan |
| Mi, 22. Jan |               | 18:56–03:08*               | 8h 12m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:52      | 10:58      | 06:19                      | 41m        | 07:00 | 42m        | 07:42 | 41m        | 08:24      | 8h 26m     | 16:51                   | 41m        | 17:33 | 42m        | 18:15 | 41m        | 18:56    | 15h 32m                    | 11h 22m    |    |            |    |    | Mi, 22. Jan |
| Do, 23. Jan |               | 18:57–04:26*               | 9h 28m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 03:08      | 11:12      | 06:18                      | 41m        | 06:59 | 41m        | 07:41 | 41m        | 08:23      | 8h 29m     | 16:52                   | 41m        | 17:34 | 42m        | 18:16 | 41m        | 18:57    | 15h 29m                    | 11h 19m    |    |            |    |    | Do, 23. Jan |
| Fr, 24. Jan |               | 18:59–05:43*               | 10h 43m    | AN <sub>+</sub> bis M <sub>7</sub>  |      | 04:26      | 11:32      | 06:17                      | 41m        | 06:58 | 41m        | 07:40 | 41m        | 08:22      | 8h 32m     | 16:54                   | 41m        | 17:36 | 41m        | 18:18 | 41m        | 18:59    | 15h 25m                    | 11h 17m    |    |            |    |    | Fr, 24. Jan |
| Sa, 25. Jan |               | 19:00–06:15*               | 11h 14m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:43      | 12:02      | 06:16                      | 40m        | 06:57 | 41m        | 07:39 | 41m        | 08:20      | 8h 35m     | 16:56                   | 41m        | 17:38 | 41m        | 18:19 | 41m        | 19:00    | 15h 22m                    | 11h 14m    |    |            |    |    | Sa, 25. Jan |
| So, 26. Jan |               | 19:02–06:14*               | 11h 11m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 06:51      | 12:48      | 06:15                      | 40m        | 06:56 | 41m        | 07:38 | 41m        | 08:19      | 8h 39m     | 16:58                   | 41m        | 17:39 | 41m        | 18:21 | 40m        | 19:02    | 15h 19m                    | 11h 11m    |    |            |    |    | So, 26. Jan |
| Mo, 27. Jan |               | 19:04–06:13*               | 11h 09m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:45      | 13:54      | 06:14                      | 40m        | 06:55 | 41m        | 07:36 | 41m        | 08:17      | 8h 42m     | 17:00                   | 41m        | 17:41 | 41m        | 18:23 | 40m        | 19:04    | 15h 15m                    | 11h 09m    |    |            |    |    | Mo, 27. Jan |
| Di, 28. Jan |               | 19:05–06:11*               | 11h 06m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 08:22      | 15:16      | 06:13                      | 40m        | 06:53 | 41m        | 07:35 | 40m        | 08:16      | 8h 46m     | 17:02                   | 40m        | 17:43 | 41m        | 18:24 | 40m        | 19:05    | 15h 12m                    | 11h 06m    |    |            |    |    | Di, 28. Jan |
| Mi, 29. Jan |               | 19:07–06:10*               | 11h 03m    | AN <sub>+</sub> bis AN <sub>-</sub> | ☉    | 08:48      | 16:46      | 06:11                      | 40m        | 06:52 | 41m        | 07:34 | 40m        | 08:14      | 8h 49m     | 17:04                   | 40m        | 17:45 | 41m        | 18:26 | 40m        | 19:07    | 15h 08m                    | 11h 03m    |    |            |    |    | Mi, 29. Jan |
| Do, 30. Jan |               | 19:08–06:09*               | 11h 00m    | AN <sub>+</sub> bis AN <sub>-</sub> |      | 09:05      | 18:18      | 06:10                      | 40m        | 06:51 | 41m        | 07:32 | 40m        | 08:13      | 8h 53m     | 17:06                   | 40m        | 17:46 | 41m        | 18:28 | 40m        | 19:08    | 15h 05m                    | 11h 00m    |    |            |    |    | Do, 30. Jan |
| Fr, 31. Jan |               | 19:49–06:07*               | 10h 18m    | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:18      | 19:49      | 06:09                      | 40m        | 06:49 | 41m        | 07:31 | 40m        | 08:11      | 8h 56m     | 17:08                   | 40m        | 17:48 | 41m        | 18:29 | 40m        | 19:10    | 15h 01m                    | 10h 57m    |    |            |    |    | Fr, 31. Jan |
| Sa, 1. Feb  |               | 21:19–06:06*               | 8h 47m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:28      | 21:19      | 06:07                      | 40m        | 06:48 | 41m        | 07:29 | 40m        | 08:09      | 9h 00m     | 17:10                   | 40m        | 17:50 | 41m        | 18:31 | 40m        | 19:12    | 14h 58m                    | 10h 54m    |    |            |    |    | Sa, 1. Feb  |
| So, 2. Feb  |               | 22:48–06:05*               | 7h 17m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:38      | 22:48      | 06:06                      | 40m        | 06:47 | 40m        | 07:28 | 40m        | 08:08      | 9h 03m     | 17:12                   | 40m        | 17:52 | 40m        | 18:33 | 40m        | 19:13    | 14h 54m                    | 10h 51m    |    |            |    |    | So, 2. Feb  |
| Mo, 3. Feb  |               | 00:18*–06:03*              | 5h 45m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:48      | —:—        | 06:05                      | 40m        | 06:45 | 40m        | 07:26 | 39m        | 08:06      | 9h 07m     | 17:14                   | 39m        | 17:54 | 40m        | 18:34 | 40m        | 19:15    | 14h 50m                    | 10h 48m    |    |            |    |    | Mo, 3. Feb  |
| Di, 4. Feb  |               | 01:49*–06:02*              | 4h 12m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:00      | 00:18      | 06:03                      | 40m        | 06:44 | 40m        | 07:24 | 39m        | 08:04      | 9h 11m     | 17:15                   | 39m        | 17:55 | 40m        | 18:36 | 40m        | 19:17    | 14h 46m                    | 10h 45m    |    |            |    |    | Di, 4. Feb  |
| Mi, 5. Feb  |               | 03:22*–06:00*              | 2h 38m     | M <sub>\</sub> bis AN <sub>-</sub>  | ☾    | 10:16      | 01:49      | 06:02                      | 40m        | 06:42 | 40m        | 07:23 | 39m        | 08:02      | 9h 15m     | 17:17                   | 39m        | 17:57 | 40m        | 18:38 | 40m        | 19:18    | 14h 43m                    | 10h 41m    |    |            |    |    | Mi, 5. Feb  |
| Do, 6. Feb  |               | 04:49*–05:59*              | 1h 09m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:38      | 03:22      | 06:00                      | 40m        | 06:41 | 40m        | 07:21 | 39m        | 08:01      | 9h 18m     | 17:19                   | 39m        | 17:59 | 40m        | 18:40 | 40m        | 19:20    | 14h 39m                    | 10h 38m    |    |            |    |    | Do, 6. Feb  |
| Fr, 7. Feb  |               | —:~:~:~:~                  | –          | Mond stört                          |      | 11:12      | 04:49      | 05:59                      | 40m        | 06:39 | 40m        | 07:19 | 39m        | 07:59      | 9h 22m     | 17:21                   | 39m        | 18:01 | 40m        | 18:41 | 40m        | 19:22    | 14h 35m                    | 10h 35m    |    |            |    |    | Fr, 7. Feb  |
| Sa, 8. Feb  |               | —:~:~:~:~                  | –          | Mond stört                          |      | 12:03      | 06:03      | 05:57                      | 40m        | 06:37 | 40m        | 07:18 | 39m        | 07:57      | 9h 26m     | 17:23                   | 39m        | 18:03 | 40m        | 18:43 | 40m        | 19:23    | 14h 31m                    | 10h 31m    |    |            |    |    | Sa, 8. Feb  |
| So, 9. Feb  |               | —:~:~:~:~                  | –          | Mond stört                          |      | 13:12      | 06:57      | 05:55                      | 40m        | 06:36 | 40m        | 07:16 | 39m        | 07:55      | 9h 30m     | 17:25                   | 39m        | 18:04 | 40m        | 18:45 | 40m        | 19:25    | 14h 27m                    | 10h 28m    |    |            |    |    | So, 9. Feb  |
| Mo, 10. Feb |               | —:~:~:~:~                  | –          | Mond stört                          |      | 14:33      | 07:33      | 05:54                      | 40m        | 06:34 | 40m        | 07:14 | 38m        | 07:53      | 9h 34m     | 17:27                   | 38m        | 18:06 | 40m        | 18:47 | 40m        | 19:27    | 14h 23m                    | 10h 25m    |    |            |    |    | Mo, 10. Feb |
| Di, 11. Feb |               | —:~:~:~:~                  | –          | Mond stört                          |      | 15:58      | 07:56      | 05:52                      | 40m        | 06:32 | 40m        | 07:12 | 38m        | 07:51      | 9h 38m     | 17:29                   | 38m        | 18:08 | 40m        | 18:48 | 40m        | 19:29    | 14h 19m                    | 10h 21m    |    |            |    |    | Di,         |

| 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          |
|-------------|----------|----------------------------|------------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|-------------|
| 2025        | Zeitzone | Astr. dunkel und kein Mond |            |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |    | 2025       |    |             |
|             |          |                            | $\Delta t$ |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |    | $\Delta t$ |    |             |
| Do, 20. Feb |          | 19:45 – 03:23*             | 7h 38m     | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 02:07      | 09:33      | 05:35                      | 40m        | 06:15 | 39m        | 06:55 | 37m        | 07:32      | 10h 14m    | 17:47                   | 37m        | 18:25 | 39m        | 19:04 | 40m        | 19:45    | 13h 43m                    | 9h 48m     |    |            |    | Do, 20. Feb |
| Fr, 21. Feb |          | 19:47 – 04:35*             | 8h 48m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 03:23      | 09:58      | 05:33                      | 40m        | 06:13 | 39m        | 06:53 | 37m        | 07:30      | 10h 18m    | 17:49                   | 37m        | 18:27 | 39m        | 19:06 | 40m        | 19:47    | 13h 39m                    | 9h 44m     |    |            |    | Fr, 21. Feb |
| Sa, 22. Feb |          | 19:48 – 05:29*             | 9h 40m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:35      | 10:35      | 05:31                      | 40m        | 06:11 | 39m        | 06:51 | 37m        | 07:28      | 10h 22m    | 17:51                   | 37m        | 18:28 | 39m        | 19:08 | 40m        | 19:48    | 13h 35m                    | 9h 40m     |    |            |    | Sa, 22. Feb |
| So, 23. Feb |          | 19:50 – 05:26*             | 9h 36m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:35      | 11:31      | 05:29                      | 40m        | 06:09 | 39m        | 06:48 | 37m        | 07:26      | 10h 26m    | 17:53                   | 37m        | 18:30 | 39m        | 19:10 | 40m        | 19:50    | 13h 31m                    | 9h 36m     |    |            |    | So, 23. Feb |
| Mo, 24. Feb |          | 19:52 – 05:24*             | 9h 32m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 06:19      | 12:45      | 05:26                      | 40m        | 06:07 | 39m        | 06:46 | 37m        | 07:24      | 10h 30m    | 17:55                   | 37m        | 18:32 | 39m        | 19:12 | 40m        | 19:52    | 13h 26m                    | 9h 32m     |    |            |    | Mo, 24. Feb |
| Di, 25. Feb |          | 19:54 – 05:22*             | 9h 28m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 06:49      | 14:12      | 05:24                      | 40m        | 06:05 | 39m        | 06:44 | 37m        | 07:21      | 10h 35m    | 17:57                   | 37m        | 18:34 | 39m        | 19:14 | 40m        | 19:54    | 13h 22m                    | 9h 28m     |    |            |    | Di, 25. Feb |
| Mi, 26. Feb |          | 19:56 – 05:20*             | 9h 23m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:09      | 15:44      | 05:22                      | 40m        | 06:03 | 39m        | 06:42 | 37m        | 07:19      | 10h 39m    | 17:58                   | 37m        | 18:36 | 39m        | 19:15 | 40m        | 19:56    | 13h 18m                    | 9h 23m     |    |            |    | Mi, 26. Feb |
| Do, 27. Feb |          | 19:58 – 05:18*             | 9h 19m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:24      | 17:18      | 05:20                      | 40m        | 06:00 | 39m        | 06:40 | 37m        | 07:17      | 10h 43m    | 18:00                   | 37m        | 18:38 | 39m        | 19:17 | 40m        | 19:58    | 13h 14m                    | 9h 19m     |    |            |    | Do, 27. Feb |
| Fr, 28. Feb |          | 20:00 – 05:15*             | 9h 15m     | AN <sub>+</sub> bis AN <sub>-</sub> | ☉    | 07:35      | 18:50      | 05:18                      | 40m        | 05:58 | 39m        | 06:38 | 37m        | 07:15      | 10h 47m    | 18:02                   | 37m        | 18:40 | 39m        | 19:19 | 40m        | 20:00    | 13h 10m                    | 9h 15m     |    |            |    | Fr, 28. Feb |
| Sa, 1. Mär  |          | 20:22 – 05:13*             | 8h 50m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 07:46      | 20:22      | 05:15                      | 40m        | 05:56 | 39m        | 06:35 | 37m        | 07:12      | 10h 51m    | 18:04                   | 37m        | 18:41 | 39m        | 19:21 | 40m        | 20:02    | 13h 05m                    | 9h 11m     |    |            |    | Sa, 1. Mär  |
| So, 2. Mär  |          | 21:55 – 05:11*             | 7h 15m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 07:56      | 21:55      | 05:13                      | 40m        | 05:54 | 39m        | 06:33 | 37m        | 07:10      | 10h 55m    | 18:06                   | 37m        | 18:43 | 39m        | 19:23 | 40m        | 20:04    | 13h 01m                    | 9h 07m     |    |            |    | So, 2. Mär  |
| Mo, 3. Mär  |          | 23:30 – 05:08*             | 5h 38m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 08:07      | 23:30      | 05:11                      | 40m        | 05:51 | 39m        | 06:31 | 36m        | 07:08      | 11h 00m    | 18:08                   | 37m        | 18:45 | 39m        | 19:25 | 40m        | 20:05    | 12h 57m                    | 9h 02m     |    |            |    | Mo, 3. Mär  |
| Di, 4. Mär  |          | 01:05* – 05:06*            | 4h 00m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 08:21      | —:—        | 05:08                      | 40m        | 05:49 | 39m        | 06:29 | 36m        | 07:05      | 11h 04m    | 18:10                   | 37m        | 18:47 | 39m        | 19:26 | 40m        | 20:07    | 12h 53m                    | 8h 58m     |    |            |    | Di, 4. Mär  |
| Mi, 5. Mär  |          | 02:37* – 05:04*            | 2h 26m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 08:41      | 01:05      | 05:06                      | 40m        | 05:47 | 39m        | 06:26 | 36m        | 07:03      | 11h 08m    | 18:12                   | 36m        | 18:49 | 39m        | 19:28 | 41m        | 20:09    | 12h 49m                    | 8h 54m     |    |            |    | Mi, 5. Mär  |
| Do, 6. Mär  |          | 03:57* – 05:01*            | 1h 04m     | M <sub>\</sub> bis AN <sub>-</sub>  | ☾    | 09:11      | 02:37      | 05:04                      | 40m        | 05:44 | 39m        | 06:24 | 36m        | 07:01      | 11h 12m    | 18:14                   | 36m        | 18:51 | 39m        | 19:30 | 41m        | 20:11    | 12h 44m                    | 8h 49m     |    |            |    | Do, 6. Mär  |
| Fr, 7. Mär  |          | 04:57* – 04:59*            | 1m         | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:57      | 03:57      | 05:01                      | 41m        | 05:42 | 39m        | 06:22 | 36m        | 06:58      | 11h 17m    | 18:16                   | 36m        | 18:52 | 39m        | 19:32 | 41m        | 20:13    | 12h 40m                    | 8h 45m     |    |            |    | Fr, 7. Mär  |
| Sa, 8. Mär  |          | —:—:—:—                    | –          | Mond stört                          |      | 11:01      | 04:57      | 04:59                      | 41m        | 05:40 | 39m        | 06:19 | 36m        | 06:56      | 11h 21m    | 18:17                   | 36m        | 18:54 | 39m        | 19:34 | 41m        | 20:15    | 12h 36m                    | 8h 40m     |    |            |    | Sa, 8. Mär  |
| So, 9. Mär  |          | —:—:—:—                    | –          | Mond stört                          |      | 12:18      | 05:37      | 04:56                      | 41m        | 05:37 | 39m        | 06:17 | 36m        | 06:54      | 11h 25m    | 18:19                   | 36m        | 18:56 | 39m        | 19:36 | 41m        | 20:17    | 12h 32m                    | 8h 36m     |    |            |    | So, 9. Mär  |
| Mo, 10. Mär |          | —:—:~:~:~                  | –          | Mond stört                          |      | 13:42      | 06:03      | 04:54                      | 41m        | 05:35 | 39m        | 06:15 | 36m        | 06:51      | 11h 29m    | 18:21                   | 36m        | 18:58 | 39m        | 19:38 | 41m        | 20:19    | 12h 27m                    | 8h 31m     |    |            |    | Mo, 10. Mär |
| Di, 11. Mär |          | —:~:~:~:~                  | –          | Mond stört                          |      | 15:04      | 06:20      | 04:51                      | 41m        | 05:33 | 39m        | 06:12 | 36m        | 06:49      | 11h 33m    | 18:23                   | 36m        | 19:00 | 39m        | 19:40 | 41m        | 20:21    | 12h 23m                    | 8h 26m     |    |            |    | Di, 11. Mär |
| Mi, 12. Mär |          | —:~:~:~:~                  | –          | Mond stört                          |      | 16:23      | 06:32      | 04:48                      | 41m        | 05:30 | 39m        | 06:10 | 36m        | 06:47      | 11h 38m    | 18:25                   | 36m        | 19:02 | 39m        | 19:42 | 41m        | 20:24    | 12h 19m                    | 8h 22m     |    |            |    | Mi, 12. Mär |
| Do, 13. Mär |          | —:~:~:~:~                  | –          | Mond stört                          |      | 17:39      | 06:41      | 04:46                      | 41m        | 05:28 | 39m        | 06:07 | 36m        | 06:44      | 11h 42m    | 18:27                   | 36m        | 19:04 | 39m        | 19:44 | 42m        | 20:26    | 12h 15m                    | 8h 17m     |    |            |    | Do, 13. Mär |
| Fr, 14. Mär |          | —:~:~:~:~                  | –          | Mond stört                          | ☽    | 18:53      | 06:49      | 04:43                      | 42m        | 05:25 | 39m        | 06:05 | 36m        | 06:42      | 11h 46m    | 18:29                   | 36m        | 19:05 | 40m        | 19:45 | 42m        | 20:28    | 12h 10m                    | 8h 12m     |    |            |    | Fr, 14. Mär |
| Sa, 15. Mär |          | —:~:~:~:~                  | –          | Mond stört                          |      | 20:06      | 06:56      | 04:41                      | 42m        | 05:23 | 39m        | 06:03 | 36m        | 06:39      | 11h 50m    | 18:30                   | 36m        | 19:07 | 40m        | 19:47 | 42m        | 20:30    | 12h 06m                    | 8h 08m     |    |            |    | Sa, 15. Mär |
| So, 16. Mär |          | 20:32 – 21:19              | 47m        | AN <sub>+</sub> bis M <sub>7</sub>  |      | 21:19      | 07:04      | 04:38                      | 42m        | 05:20 | 39m        | 06:00 | 36m        | 06:37      | 11h 55m    | 18:32                   | 36m        | 19:09 | 40m        | 19:49 | 42m        | 20:32    | 12h 02m                    | 8h 03m     |    |            |    | So, 16. Mär |
| Mo, 17. Mär |          | 20:34 – 22:34              | 1h 59m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 22:34      | 07:13      | 04:35                      | 42m        | 05:18 | 40m        | 05:58 | 36m        | 06:35      | 11h 59m    | 18:34                   | 36m        | 19:11 | 40m        | 19:51 | 42m        | 20:34    | 11h 58m                    | 7h 58m     |    |            |    | Mo, 17. Mär |
| Di, 18. Mär |          | 20:36 – 23:50              | 3h 13m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 23:50      | 07:23      | 04:32                      | 42m        | 05:15 | 40m        | 05:55 | 36m        | 06:32      | 12h 03m    | 18:36                   | 36m        | 19:13 | 40m        | 19:53 | 43m        | 20:36    | 11h 53m                    | 7h 53m     |    |            |    | Di, 18. Mär |
| Mi, 19. Mär |          | 20:38 – 01:07*             | 4h 28m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 07:38      | 04:30                      | 42m        | 05:13 | 40m        | 05:53 | 36m        | 06:30      | 12h 07m    | 18:38                   | 36m        | 19:15 | 40m        | 19:55 | 43m        | 20:38    | 11h 49m                    | 7h 48m     |    |            |    | Mi, 19. Mär |
| Do, 20. Mär |          | 20:41 – 02:20*             | 5h 39m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:07      | 07:59      | 04:27                      | 43m        | 05:10 | 40m        | 05:51 | 36m        | 06:27      | 12h 12m    | 18:40                   | 37m        | 19:17 | 40m        | 19:57 | 43m        | 20:41    | 11h 45m                    | 7h 43m     |    |            |    | Do, 20. Mär |
| Fr, 21. Mär |          | 20:43 – 03:24*             | 6h 41m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 02:20      | 08:30      | 04:24                      | 43m        | 05:08 | 40m        | 05:48 | 36m        | 06:25      | 12h 16m    | 18:41                   | 37m        | 19:18 | 40m        | 19:59 | 43m        | 20:43    | 11h 41m                    | 7h 38m     |    |            |    | Fr, 21. Mär |
| Sa, 22. Mär |          | 20:45 – 04:14*             | 7h 28m     | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 03:24      | 09:17      | 04:21                      | 43m        | 05:05 | 40m        | 05:46 | 36m        | 06:23      | 12h 20m    | 18:43                   | 37m        | 19:20 | 40m        | 20:01 | 43m        | 20:45    | 11h 36m                    | 7h 33m     |    |            |    | Sa, 22. Mär |
| So, 23. Mär |          | 20:47 – 04:16*             | 7h 28m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:14      | 10:22      | 04:19                      | 43m        | 05:02 | 40m        | 05:43 | 37m        | 06:20      | 12h 24m    | 18:45                   | 37m        | 19:22 | 40m        | 20:03 | 44m        | 20:47    | 11h 32m                    | 7h 28m     |    |            |    | So, 23. Mär |
| Mo, 24. Mär |          | 20:50 – 04:13*             | 7h 23m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:48      | 11:41      | 04:16                      | 44m        | 05:00 | 40m        | 05:41 | 37m        | 06:18      | 12h 29m    | 18:47                   | 37m        | 19:24 | 41m        | 20:05 | 44m        | 20:50    | 11h 28m                    | 7h 23m     |    |            |    | Mo, 24. Mär |
| Di, 25. Mär |          | 20:52 – 04:10*             | 7h 17m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:12      | 13:10      | 04:13                      | 44m        | 04:57 | 41m        | 05:38 | 37m        | 06:15      | 12h 33m    | 18:49                   | 37m        | 19:26 | 41m        | 20:07 | 44m        | 20:52    | 11h 24m                    | 7h 17m     |    |            |    | Di, 25. Mär |
| Mi, 26. Mär |          | 20:54 – 04:07*             | 7h 12m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:29      | 14:41      | 04:10                      | 44m        | 04:55 | 41m        | 05:36 | 37m        | 06:13      | 12h 37m    | 18:51                   | 37m        | 19:28 | 41m        | 20:09 | 45m        | 20:54    | 11h 19m                    | 7h 12m     |    |            |    | Mi, 26. Mär |
| Do, 27. Mär |          | 20:57 – 04:04*             | 7h 07m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:41      | 16:13      | 04:07                      | 44m        | 04:52 | 41m        | 05:33 | 37m        | 06:10      | 12h 41m    | 18:52                   | 37m        | 19:30 | 41m        | 20:11 | 45m        | 20:57    | 11h 15m                    | 7h 07m     |    |            |    | Do, 27. Mär |
| Fr, 28. Mär |          | 20:59 – 04:01*             | 7h 01m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:52      | 17:46      | 04:04                      | 45m        | 04:49 | 41m        | 05:31 | 37m        | 06:08      | 12h 46m    | 18:54                   | 37m        | 19:32 | 41m        | 20:13 | 45m        | 20:59    | 11h 11m                    | 7h 01m     |    |            |    | Fr, 28. Mär |
| Sa, 29. Mär |          | 21:01 – 03:58*             | 6h 56m     | AN <sub>+</sub> bis AN <sub>-</sub> | ☉    | 06:02      | 19:20      | 04:01                      | 45m        | 04:47 | 41m        | 05:28 | 37m        | 06:06      | 12h 50m    | 18:56                   | 37m        | 19:34 | 41m        | 20:15 | 45m        | 21:01    | 11h 07m                    | 6h 56m     |    |            |    | Sa, 29. Mär |
| So, 30. Mär | MESZ     | 22:04 – 04:55*             | 6h 51m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:13      | 21:56      | 04:58                      | 45m        | 05:44 | 41m        | 06:26 | 37m        | 07:03      | 12h 54m    | 19:58                   | 37m        | 20:35 | 42m        | 21:18 | 46m        | 22:04    | 11h 03m                    | 6h 51m     |    |            |    | So, 30. Mär |
| Mo, 31. Mär | MESZ     | 23:35 – 04:52*             | 5h 16m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 07:26      | 23:35      | 04:55                      | 46m        | 05:41 | 42m        | 06:23 | 37m        | 07:01      | 12h 58m    | 20:00                   | 37m        | 20:37 | 42m        | 21:20 | 46m        | 22:06    | 10h 58m                    | 6h 45m     |    |            |    | Mo, 31. Mär |
| Di, 1. Apr  | MESZ     | 01:13* – 04:49*            | 3h 35m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 07:44      | —:—        | 04:52                      | 46m        | 05:39 | 42m        | 06:21 | 37m        | 06:58      | 13h 02m    | 20:01                   | 37m        | 20:39 | 42m        | 21:22 | 47m        | 22:09    | 10h 54m                    | 6h 39m     |    |            |    | Di, 1. Apr  |
| Mi, 2. Apr  | MESZ     | 02:42* – 04:46*            | 2h 04m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 08:11      | 01:13      | 04:49                      | 47m        | 05:36 | 42m        | 06:18 | 37m        | 06:56      | 13h 07m    | 20:03                   | 37m        | 20:41 | 42m        | 21:24 | 47m        | 22:11    | 10h 50m                    | 6h 34m     |    |            |    | Mi, 2. Apr  |
| Do, 3. Apr  | MESZ     | 03:51* – 04:43*            | 51m        | M <sub>\</sub>                      |      |            |            |                            |            |       |            |       |            |            |            |                         |            |       |            |       |            |          |                            |            |    |            |    |             |

| 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 |             |
|-------------|---------------|----------------------------|------------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----------------|------------|------------------------------------|----|-------------|
| 2025        | Zeit-<br>zone | Astr. dunkel und kein Mond |            |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |                | 2025       |                                    |    |             |
|             |               |                            | $\Delta t$ |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |                | $\Delta t$ |                                    |    |             |
| Fr, 11. Apr | MESZ          | —:—:—:—                    | —          | Mond stört                          |      | 18:54      | 06:07      | 04:20                      | 51m        | 05:11 | 44m        | 05:56 | 38m        | 06:35      | 13h 44m    | 20:20                   | 39m        | 20:59 | 44m        | 21:44 | 52m        | 22:36    | 10h 12m                    | 5h 40m     |                |            |                                    |    | Fr, 11. Apr |
| Sa, 12. Apr | MESZ          | —:—:—:—                    | —          | Mond stört                          |      | 20:06      | 06:14      | 04:16                      | 51m        | 05:08 | 44m        | 05:53 | 39m        | 06:32      | 13h 48m    | 20:21                   | 39m        | 21:01 | 45m        | 21:46 | 52m        | 22:39    | 10h 08m                    | 5h 34m     |                |            |                                    |    | Sa, 12. Apr |
| So, 13. Apr | MESZ          | —:—:~:~:~                  | —          | Mond stört                          | ○    | 21:20      | 06:22      | 04:13                      | 52m        | 05:06 | 45m        | 05:51 | 39m        | 06:30      | 13h 53m    | 20:23                   | 39m        | 21:03 | 45m        | 21:48 | 53m        | 22:42    | 10h 04m                    | 5h 27m     |                |            |                                    |    | So, 13. Apr |
| Mo, 14. Apr | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 22:36      | 06:32      | 04:10                      | 53m        | 05:03 | 45m        | 05:48 | 39m        | 06:28      | 13h 57m    | 20:25                   | 39m        | 21:05 | 45m        | 21:51 | 53m        | 22:45    | 10h 00m                    | 5h 21m     |                |            |                                    |    | Mo, 14. Apr |
| Di, 15. Apr | MESZ          | 22:48 – 23:53              | 1h 05m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 23:53      | 06:45      | 04:06                      | 53m        | 05:00 | 45m        | 05:46 | 39m        | 06:25      | 14h 01m    | 20:27                   | 39m        | 21:07 | 46m        | 21:53 | 54m        | 22:48    | 9h 56m                     | 5h 14m     |                |            |                                    |    | Di, 15. Apr |
| Mi, 16. Apr | MESZ          | 22:51 – 01:08*             | 2h 17m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 07:04      | 04:02                      | 54m        | 04:57 | 46m        | 05:43 | 39m        | 06:23      | 14h 05m    | 20:29                   | 40m        | 21:09 | 46m        | 21:55 | 55m        | 22:51    | 9h 52m                     | 5h 08m     |                |            |                                    |    | Mi, 16. Apr |
| Do, 17. Apr | MESZ          | 22:54 – 02:15*             | 3h 21m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:08      | 07:31      | 03:59                      | 55m        | 04:54 | 46m        | 05:41 | 40m        | 06:21      | 14h 09m    | 20:30                   | 40m        | 21:11 | 46m        | 21:58 | 56m        | 22:54    | 9h 48m                     | 5h 01m     |                |            |                                    |    | Do, 17. Apr |
| Fr, 18. Apr | MESZ          | 22:57 – 03:09*             | 4h 11m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 02:15      | 08:12      | 03:55                      | 56m        | 04:52 | 46m        | 05:38 | 40m        | 06:19      | 14h 13m    | 20:32                   | 40m        | 21:13 | 47m        | 22:00 | 57m        | 22:57    | 9h 44m                     | 4h 54m     |                |            |                                    |    | Fr, 18. Apr |
| Sa, 19. Apr | MESZ          | 23:00 – 03:48*             | 4h 47m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 03:09      | 09:09      | 03:52                      | 57m        | 04:49 | 47m        | 05:36 | 40m        | 06:16      | 14h 17m    | 20:34                   | 40m        | 21:15 | 47m        | 22:02 | 57m        | 23:00    | 9h 40m                     | 4h 47m     |                |            |                                    |    | Sa, 19. Apr |
| So, 20. Apr | MESZ          | 23:04 – 03:44*             | 4h 40m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 03:48      | 10:22      | 03:48                      | 57m        | 04:46 | 47m        | 05:34 | 40m        | 06:14      | 14h 21m    | 20:36                   | 40m        | 21:17 | 48m        | 22:05 | 58m        | 23:04    | 9h 36m                     | 4h 40m     |                |            |                                    |    | So, 20. Apr |
| Mo, 21. Apr | MESZ          | 23:07 – 03:40*             | 4h 33m     | AN <sub>+</sub> bis AN <sub>-</sub> | ◐    | 04:15      | 11:45      | 03:44                      | 58m        | 04:43 | 48m        | 05:31 | 40m        | 06:12      | 14h 25m    | 20:38                   | 41m        | 21:19 | 48m        | 22:07 | 59m        | 23:07    | 9h 32m                     | 4h 33m     |                |            |                                    |    | Mo, 21. Apr |
| Di, 22. Apr | MESZ          | 23:11 – 03:37*             | 4h 25m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:33      | 13:12      | 03:40                      | 59m        | 04:40 | 48m        | 05:29 | 41m        | 06:10      | 14h 29m    | 20:39                   | 41m        | 21:21 | 48m        | 22:10 | 1h 00m     | 23:11    | 9h 28m                     | 4h 25m     |                |            |                                    |    | Di, 22. Apr |
| Mi, 23. Apr | MESZ          | 23:14 – 03:33*             | 4h 18m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:47      | 14:41      | 03:37                      | 1h 00m     | 04:37 | 48m        | 05:26 | 41m        | 06:08      | 14h 33m    | 20:41                   | 41m        | 21:23 | 49m        | 22:12 | 1h 01m     | 23:14    | 9h 24m                     | 4h 18m     |                |            |                                    |    | Mi, 23. Apr |
| Do, 24. Apr | MESZ          | 23:18 – 03:29*             | 4h 10m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:58      | 16:10      | 03:33                      | 1h 01m     | 04:35 | 49m        | 05:24 | 41m        | 06:05      | 14h 37m    | 20:43                   | 41m        | 21:25 | 49m        | 22:15 | 1h 03m     | 23:18    | 9h 20m                     | 4h 10m     |                |            |                                    |    | Do, 24. Apr |
| Fr, 25. Apr | MESZ          | 23:22 – 03:25*             | 4h 02m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:08      | 17:41      | 03:29                      | 1h 03m     | 04:32 | 49m        | 05:22 | 41m        | 06:03      | 14h 41m    | 20:45                   | 41m        | 21:27 | 50m        | 22:17 | 1h 04m     | 23:22    | 9h 16m                     | 4h 02m     |                |            |                                    |    | Fr, 25. Apr |
| Sa, 26. Apr | MESZ          | 23:25 – 03:20*             | 3h 54m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:19      | 19:16      | 03:25                      | 1h 04m     | 04:29 | 50m        | 05:19 | 41m        | 06:01      | 14h 45m    | 20:47                   | 42m        | 21:29 | 50m        | 22:20 | 1h 05m     | 23:25    | 9h 12m                     | 3h 54m     |                |            |                                    |    | Sa, 26. Apr |
| So, 27. Apr | MESZ          | 23:29 – 03:16*             | 3h 46m     | AN <sub>+</sub> bis AN <sub>-</sub> | ●    | 05:31      | 20:54      | 03:20                      | 1h 05m     | 04:26 | 50m        | 05:17 | 42m        | 05:59      | 14h 49m    | 20:48                   | 42m        | 21:31 | 51m        | 22:22 | 1h 07m     | 23:29    | 9h 08m                     | 3h 46m     |                |            |                                    |    | So, 27. Apr |
| Mo, 28. Apr | MESZ          | 23:33 – 03:12*             | 3h 38m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:46      | 22:35      | 03:16                      | 1h 07m     | 04:23 | 51m        | 05:15 | 42m        | 05:57      | 14h 53m    | 20:50                   | 42m        | 21:33 | 51m        | 22:25 | 1h 08m     | 23:33    | 9h 04m                     | 3h 38m     |                |            |                                    |    | Mo, 28. Apr |
| Di, 29. Apr | MESZ          | 00:12* – 03:07*            | 2h 55m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 06:09      | —:—        | 03:12                      | 1h 08m     | 04:20 | 51m        | 05:12 | 42m        | 05:55      | 14h 57m    | 20:52                   | 42m        | 21:35 | 52m        | 22:27 | 1h 10m     | 23:38    | 9h 00m                     | 3h 29m     |                |            |                                    |    | Di, 29. Apr |
| Mi, 30. Apr | MESZ          | 01:34* – 03:03*            | 1h 28m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 06:43      | 00:12      | 03:07                      | 1h 10m     | 04:18 | 52m        | 05:10 | 42m        | 05:53      | 15h 01m    | 20:54                   | 43m        | 21:37 | 52m        | 22:30 | 1h 11m     | 23:42    | 8h 56m                     | 3h 20m     |                |            |                                    |    | Mi, 30. Apr |
| Do, 1. Mai  | MESZ          | 02:32* – 02:58*            | 25m        | M <sub>\</sub> bis AN <sub>-</sub>  |      | 07:36      | 01:34      | 03:03                      | 1h 11m     | 04:15 | 52m        | 05:08 | 43m        | 05:51      | 15h 04m    | 20:56                   | 43m        | 21:39 | 53m        | 22:33 | 1h 13m     | 23:46    | 8h 53m                     | 3h 11m     |                |            |                                    |    | Do, 1. Mai  |
| Fr, 2. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 08:48      | 02:32      | 02:58                      | 1h 13m     | 04:12 | 53m        | 05:05 | 43m        | 05:49      | 15h 08m    | 20:57                   | 43m        | 21:41 | 54m        | 22:35 | 1h 15m     | 23:51    | 8h 49m                     | 3h 02m     |                |            |                                    |    | Fr, 2. Mai  |
| Sa, 3. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 10:12      | 03:10      | 02:53                      | 1h 15m     | 04:09 | 54m        | 05:03 | 43m        | 05:47      | 15h 12m    | 20:59                   | 44m        | 21:43 | 54m        | 22:38 | 1h 18m     | 23:56    | 8h 45m                     | 2h 52m     |                |            |                                    |    | Sa, 3. Mai  |
| So, 4. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          | ◑    | 11:37      | 03:33      | 02:48                      | 1h 18m     | 04:06 | 54m        | 05:01 | 44m        | 05:45      | 15h 16m    | 21:01                   | 44m        | 21:45 | 55m        | 22:41 | 1h 20m     | 00:01*   | 8h 41m                     | 2h 41m     |                |            |                                    |    | So, 4. Mai  |
| Mo, 5. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 12:59      | 03:49      | 02:43                      | 1h 20m     | 04:03 | 55m        | 04:59 | 44m        | 05:43      | 15h 19m    | 21:03                   | 44m        | 21:47 | 55m        | 22:43 | 1h 23m     | 00:07*   | 8h 38m                     | 2h 30m     |                |            |                                    |    | Mo, 5. Mai  |
| Di, 6. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 14:17      | 04:00      | 02:37                      | 1h 23m     | 04:00 | 55m        | 04:56 | 44m        | 05:41      | 15h 23m    | 21:04                   | 44m        | 21:49 | 56m        | 22:46 | 1h 26m     | 00:12*   | 8h 34m                     | 2h 19m     |                |            |                                    |    | Di, 6. Mai  |
| Mi, 7. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 15:31      | 04:09      | 02:31                      | 1h 26m     | 03:58 | 56m        | 04:54 | 44m        | 05:39      | 15h 27m    | 21:06                   | 45m        | 21:51 | 57m        | 22:49 | 1h 29m     | 00:19*   | 8h 31m                     | 2h 06m     |                |            |                                    |    | Mi, 7. Mai  |
| Do, 8. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 16:43      | 04:16      | 02:25                      | 1h 29m     | 03:55 | 57m        | 04:52 | 45m        | 05:37      | 15h 30m    | 21:08                   | 45m        | 21:53 | 57m        | 22:51 | 1h 33m     | 00:25*   | 8h 27m                     | 1h 52m     |                |            |                                    |    | Do, 8. Mai  |
| Fr, 9. Mai  | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 17:55      | 04:24      | 02:18                      | 1h 33m     | 03:52 | 57m        | 04:50 | 45m        | 05:35      | 15h 34m    | 21:10                   | 45m        | 21:56 | 58m        | 22:54 | 1h 38m     | 00:33*   | 8h 24m                     | 1h 37m     |                |            |                                    |    | Fr, 9. Mai  |
| Sa, 10. Mai | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 19:09      | 04:32      | 02:10                      | 1h 38m     | 03:49 | 58m        | 04:48 | 45m        | 05:34      | 15h 37m    | 21:11                   | 46m        | 21:58 | 59m        | 22:57 | 1h 44m     | 00:42*   | 8h 20m                     | 1h 19m     |                |            |                                    |    | Sa, 10. Mai |
| So, 11. Mai | MESZ          | —:~:~:~:~                  | —          | Mond stört                          |      | 20:24      | 04:41      | 02:01                      | 1h 44m     | 03:46 | 59m        | 04:46 | 46m        | 05:32      | 15h 41m    | 21:13                   | 46m        | 22:00 | 1h 00m     | 23:00 | 1h 53m     | 00:53*   | 8h 17m                     | 56m        |                |            |                                    |    | So, 11. Mai |
| Mo, 12. Mai | MESZ          | —:~:~:~:~                  | —          | Mond stört                          | ○    | 21:40      | 04:53      | 01:50                      | 1h 53m     | 03:44 | 1h 00m     | 04:44 | 46m        | 05:30      | 15h 44m    | 21:15                   | 46m        | 22:02 | 1h 00m     | 23:03 | 2h 12m     | 01:15*   | 8h 13m                     | 12m        |                |            |                                    |    | Mo, 12. Mai |
| Di, 13. Mai | MESZ          |                            |            | Astr. MD                            |      | 22:56      | 05:10      | 01:28                      | 2h 12m     | 03:41 | 1h 00m     | 04:42 | 46m        | 05:29      | 15h 47m    | 21:16                   | 47m        | 22:04 | 1h 01m     | 23:05 |            | —:—      | 8h 10m                     |            | —:~:~:~:~      | —          | Mond stört                         |    | Di, 13. Mai |
| Mi, 14. Mai | MESZ          |                            |            | Astr. MD                            |      | —:—        | 05:35      | —:—                        |            | 03:38 | 1h 01m     | 04:40 | 47m        | 05:27      | 15h 51m    | 21:18                   | 47m        | 22:06 | 1h 02m     | 23:08 |            | —:—      | 8h 07m                     |            | 23:08 – 00:06* | 58m        | ND <sub>+</sub> bis M <sub>7</sub> |    | Mi, 14. Mai |
| Do, 15. Mai | MESZ          |                            |            | Astr. MD                            |      | 00:06      | 06:11      | —:—                        |            | 03:35 | 1h 02m     | 04:38 | 47m        | 05:25      | 15h 54m    | 21:20                   | 47m        | 22:07 | 1h 03m     | 23:11 |            | —:—      | 8h 03m                     |            | 23:11 – 01:05* | 1h 53m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Do, 15. Mai |
| Fr, 16. Mai | MESZ          |                            |            | Astr. MD                            |      | 01:05      | 07:04      | —:—                        |            | 03:32 | 1h 03m     | 04:36 | 47m        | 05:24      | 15h 57m    | 21:21                   | 48m        | 22:09 | 1h 04m     | 23:14 |            | —:—      | 8h 00m                     |            | 23:14 – 01:48* | 2h 34m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Fr, 16. Mai |
| Sa, 17. Mai | MESZ          |                            |            | Astr. MD                            |      | 01:48      | 08:12      | —:—                        |            | 03:30 | 1h 04m     | 04:34 | 48m        | 05:22      | 16h 00m    | 21:23                   | 48m        | 22:11 | 1h 05m     | 23:17 |            | —:—      | 7h 57m                     |            | 23:17 – 02:18* | 3h 01m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Sa, 17. Mai |
| So, 18. Mai | MESZ          |                            |            | Astr. MD                            |      | 02:18      | 09:31      | —:—                        |            | 03:27 | 1h 05m     | 04:32 | 48m        | 05:21      | 16h 03m    | 21:24                   | 48m        | 22:13 | 1h 06m     | 23:19 |            | —:—      | 7h 54m                     |            | 23:19 – 02:38* | 3h 18m     | ND <sub>+</sub> bis M <sub>7</sub> |    | So, 18. Mai |
| Mo, 19. Mai | MESZ          |                            |            | Astr. MD                            |      | 02:38      | 10:55      | —:—                        |            | 03:24 | 1h 06m     | 04:30 | 48m        | 05:19      | 16h 06m    | 21:26                   | 49m        | 22:15 | 1h 07m     | 23:22 |            | —:—      | 7h 51m                     |            | 23:22 – 02:53* | 3h 31m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Mo, 19. Mai |
| Di, 20. Mai | MESZ          |                            |            | Astr. MD                            | ◑    | 02:53      | 12:20      | —:—                        |            | 03:21 | 1h 07m     | 04:28 | 49m        | 05:18      | 16h 09m    | 21:28                   | 49m        | 22:17 | 1h 08m     | 23:25 |            | —:—      | 7h 48m                     |            | 23:25 – 03:05* | 3h 39m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Di, 20. Mai |
| Mi, 21. Mai | MESZ          |                            |            | Astr. MD                            |      | 03:05      | 13:46      | —:—                        |            | 03:19 | 1h 08m     | 04:27 | 49m        | 05:16      | 16h 12m    | 21:29                   | 49m        | 22:19 | 1h 09m     | 23:28 |            | —:—      | 7h 45m                     |            | 23:28 – 03:15* | 3h 47m     | ND <sub>+</sub> bis M <sub>7</sub> |    | Mi, 21. Mai |
| Do, 22. Mai | MESZ          |                            |            | Astr. MD                            |      | 03:15      | 15:13      | —:—                        |            | 03:16 | 1h 08m     | 04:25 | 49m        | 05:15      | 16h 15m    | 21:31                   | 50m        | 22:21 | 1h 10m     |       |            |          |                            |            |                |            |                                    |    |             |

| 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          |
|-------------|---------------|----------------------------|------------|----------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|------------|-------------------------|-------|------------|--------|------------|-------|------------|----------------------------|-----------------|------------|-------------------------------------|-------------|
| 2025        | Zeit-<br>zone | Astr. dunkel und kein Mond |            |          | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            |            | Ende der Abenddämmerung |       |            |        |            | Nacht | Astr. N.   | Naut. dunkel und kein Mond |                 |            | 2025                                |             |
|             |               |                            | $\Delta t$ |          | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$ | $\Delta t$              | Bürg. | $\Delta t$ | Naut.  | $\Delta t$ | Astr. | $\Delta t$ | $\Delta t$                 |                 | $\Delta t$ |                                     |             |
| Sa, 31. Mai | MESZ          |                            |            | Astr. MD |      | 09:14      | 01:34      | —:—                        |            | 02:53 | 1h 18m     | 04:12 | 52m        | 05:05      | 16h 38m    | 21:43      | 53m                     | 22:36 | 1h 19m     | 23:56  |            | —:—   | 7h 20m     |                            | 01:53* – 02:51* | 57m        | M <sub>\</sub> bis ND <sub>\</sub>  | Sa, 31. Mai |
| So, 1. Jun  | MESZ          |                            |            | Astr. MD |      | 10:40      | 01:53      | —:—                        |            | 02:51 | 1h 19m     | 04:11 | 53m        | 05:04      | 16h 40m    | 21:44      | 53m                     | 22:37 | 1h 21m     | 23:58  |            | —:—   | 7h 18m     |                            | 02:06* – 02:48* | 41m        | M <sub>\</sub> bis ND <sub>\</sub>  | So, 1. Jun  |
| Mo, 2. Jun  | MESZ          |                            |            | Astr. MD |      | 12:01      | 02:06      | —:—                        |            | 02:48 | 1h 21m     | 04:09 | 53m        | 05:03      | 16h 42m    | 21:45      | 53m                     | 22:39 | 1h 22m     | 00:01* |            | —:—   | 7h 16m     |                            | 02:16* – 02:46* | 29m        | M <sub>\</sub> bis ND <sub>\</sub>  | Mo, 2. Jun  |
| Di, 3. Jun  | MESZ          |                            |            | Astr. MD | ☾    | 13:18      | 02:16      | —:—                        |            | 02:46 | 1h 22m     | 04:08 | 53m        | 05:02      | 16h 44m    | 21:46      | 53m                     | 22:40 | 1h 23m     | 00:04* |            | —:—   | 7h 15m     |                            | 02:25* – 02:44* | 19m        | M <sub>\</sub> bis ND <sub>\</sub>  | Di, 3. Jun  |
| Mi, 4. Jun  | MESZ          |                            |            | Astr. MD |      | 14:31      | 02:25      | —:—                        |            | 02:44 | 1h 23m     | 04:07 | 53m        | 05:01      | 16h 46m    | 21:47      | 54m                     | 22:41 | 1h 24m     | 00:06* |            | —:—   | 7h 13m     |                            | 02:32* – 02:42* | 9m         | M <sub>\</sub> bis ND <sub>\</sub>  | Mi, 4. Jun  |
| Do, 5. Jun  | MESZ          |                            |            | Astr. MD |      | 15:44      | 02:32      | —:—                        |            | 02:42 | 1h 24m     | 04:06 | 54m        | 05:01      | 16h 47m    | 21:48      | 54m                     | 22:43 | 1h 25m     | 00:08* |            | —:—   | 7h 11m     |                            | —:—:—:—:—       | —          | Mond stört                          | Do, 5. Jun  |
| Fr, 6. Jun  | MESZ          |                            |            | Astr. MD |      | 16:57      | 02:40      | —:—                        |            | 02:40 | 1h 25m     | 04:05 | 54m        | 05:00      | 16h 49m    | 21:49      | 54m                     | 22:44 | 1h 26m     | 00:11* |            | —:—   | 7h 10m     |                            | —:—:—:—:—       | —          | Mond stört                          | Fr, 6. Jun  |
| Sa, 7. Jun  | MESZ          |                            |            | Astr. MD |      | 18:11      | 02:49      | —:—                        |            | 02:38 | 1h 26m     | 04:05 | 54m        | 04:59      | 16h 50m    | 21:50      | 54m                     | 22:45 | 1h 28m     | 00:13* |            | —:—   | 7h 08m     |                            | —:—:—:—:—       | —          | Mond stört                          | Sa, 7. Jun  |
| So, 8. Jun  | MESZ          |                            |            | Astr. MD |      | 19:27      | 03:01      | —:—                        |            | 02:36 | 1h 28m     | 04:04 | 54m        | 04:59      | 16h 52m    | 21:51      | 55m                     | 22:46 | 1h 29m     | 00:15* |            | —:—   | 7h 07m     |                            | —:—:—:—:—       | —          | Mond stört                          | So, 8. Jun  |
| Mo, 9. Jun  | MESZ          |                            |            | Astr. MD |      | 20:44      | 03:16      | —:—                        |            | 02:34 | 1h 29m     | 04:03 | 55m        | 04:58      | 16h 53m    | 21:52      | 55m                     | 22:47 | 1h 30m     | 00:17* |            | —:—   | 7h 05m     |                            | —:—:~:~:~:~:~   | —          | Mond stört                          | Mo, 9. Jun  |
| Di, 10. Jun | MESZ          |                            |            | Astr. MD |      | 21:56      | 03:38      | —:—                        |            | 02:32 | 1h 30m     | 04:03 | 55m        | 04:58      | 16h 54m    | 21:53      | 55m                     | 22:48 | 1h 31m     | 00:19* |            | —:—   | 7h 04m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Di, 10. Jun |
| Mi, 11. Jun | MESZ          |                            |            | Astr. MD | ☽    | 22:59      | 04:11      | —:—                        |            | 02:31 | 1h 31m     | 04:02 | 55m        | 04:57      | 16h 55m    | 21:53      | 55m                     | 22:49 | 1h 32m     | 00:21* |            | —:—   | 7h 03m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Mi, 11. Jun |
| Do, 12. Jun | MESZ          |                            |            | Astr. MD |      | 23:47      | 04:59      | —:—                        |            | 02:29 | 1h 32m     | 04:02 | 55m        | 04:57      | 16h 56m    | 21:54      | 55m                     | 22:50 | 1h 33m     | 00:23* |            | —:—   | 7h 02m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Do, 12. Jun |
| Fr, 13. Jun | MESZ          |                            |            | Astr. MD |      | —:—        | 06:03      | —:—                        |            | 02:28 | 1h 33m     | 04:01 | 55m        | 04:57      | 16h 57m    | 21:55      | 55m                     | 22:51 | 1h 33m     | 00:25* |            | —:—   | 7h 01m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Fr, 13. Jun |
| Sa, 14. Jun | MESZ          |                            |            | Astr. MD |      | 00:21      | 07:20      | —:—                        |            | 02:27 | 1h 33m     | 04:01 | 55m        | 04:57      | 16h 58m    | 21:55      | 56m                     | 22:51 | 1h 34m     | 00:26* |            | —:—   | 7h 01m     |                            | 00:26* – 00:44* | 17m        | ND <sub>+</sub> bis M <sub>7</sub>  | Sa, 14. Jun |
| So, 15. Jun | MESZ          |                            |            | Astr. MD |      | 00:44      | 08:43      | —:—                        |            | 02:26 | 1h 34m     | 04:00 | 56m        | 04:57      | 16h 59m    | 21:56      | 56m                     | 22:52 | 1h 35m     | 00:27* |            | —:—   | 7h 00m     |                            | 00:27* – 01:00* | 32m        | ND <sub>+</sub> bis M <sub>7</sub>  | So, 15. Jun |
| Mo, 16. Jun | MESZ          |                            |            | Astr. MD |      | 01:00      | 10:08      | —:—                        |            | 02:25 | 1h 35m     | 04:00 | 56m        | 04:56      | 16h 59m    | 21:56      | 56m                     | 22:53 | 1h 35m     | 00:28* |            | —:—   | 7h 00m     |                            | 00:28* – 01:12* | 43m        | ND <sub>+</sub> bis M <sub>7</sub>  | Mo, 16. Jun |
| Di, 17. Jun | MESZ          |                            |            | Astr. MD |      | 01:12      | 11:32      | —:—                        |            | 02:24 | 1h 35m     | 04:00 | 56m        | 04:56      | 17h 00m    | 21:57      | 56m                     | 22:53 | 1h 36m     | 00:29* |            | —:—   | 6h 59m     |                            | 00:29* – 01:23* | 53m        | ND <sub>+</sub> bis M <sub>7</sub>  | Di, 17. Jun |
| Mi, 18. Jun | MESZ          |                            |            | Astr. MD | ☾    | 01:23      | 12:57      | —:—                        |            | 02:24 | 1h 36m     | 04:00 | 56m        | 04:56      | 17h 00m    | 21:57      | 56m                     | 22:54 | 1h 36m     | 00:30* |            | —:—   | 6h 59m     |                            | 00:30* – 01:32* | 1h 01m     | ND <sub>+</sub> bis M <sub>7</sub>  | Mi, 18. Jun |
| Do, 19. Jun | MESZ          |                            |            | Astr. MD |      | 01:32      | 14:22      | —:—                        |            | 02:24 | 1h 36m     | 04:00 | 56m        | 04:57      | 17h 00m    | 21:58      | 56m                     | 22:54 | 1h 36m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 01:42* | 1h 11m     | ND <sub>+</sub> bis M <sub>7</sub>  | Do, 19. Jun |
| Fr, 20. Jun | MESZ          |                            |            | Astr. MD |      | 01:42      | 15:51      | —:—                        |            | 02:23 | 1h 36m     | 04:00 | 56m        | 04:57      | 17h 01m    | 21:58      | 56m                     | 22:54 | 1h 36m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 01:54* | 1h 22m     | ND <sub>+</sub> bis M <sub>7</sub>  | Fr, 20. Jun |
| Sa, 21. Jun | MESZ          |                            |            | Astr. MD |      | 01:54      | 17:24      | —:—                        |            | 02:24 | 1h 36m     | 04:00 | 56m        | 04:57      | 17h 01m    | 21:58      | 56m                     | 22:54 | 1h 36m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 02:09* | 1h 38m     | ND <sub>+</sub> bis M <sub>7</sub>  | Sa, 21. Jun |
| So, 22. Jun | MESZ          |                            |            | Astr. MD |      | 02:09      | 19:01      | —:—                        |            | 02:24 | 1h 36m     | 04:01 | 56m        | 04:57      | 17h 01m    | 21:58      | 56m                     | 22:55 | 1h 36m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 02:24* | 1h 53m     | ND <sub>+</sub> bis ND <sub>\</sub> | So, 22. Jun |
| Mo, 23. Jun | MESZ          |                            |            | Astr. MD |      | 02:32      | 20:35      | —:—                        |            | 02:24 | 1h 36m     | 04:01 | 56m        | 04:57      | 17h 00m    | 21:58      | 56m                     | 22:55 | 1h 36m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 02:25* | 1h 54m     | ND <sub>+</sub> bis ND <sub>\</sub> | Mo, 23. Jun |
| Di, 24. Jun | MESZ          |                            |            | Astr. MD |      | 03:07      | 21:56      | —:—                        |            | 02:25 | 1h 36m     | 04:01 | 56m        | 04:58      | 17h 00m    | 21:58      | 56m                     | 22:55 | 1h 35m     | 00:31* |            | —:—   | 6h 59m     |                            | 00:31* – 02:26* | 1h 55m     | ND <sub>+</sub> bis ND <sub>\</sub> | Di, 24. Jun |
| Mi, 25. Jun | MESZ          |                            |            | Astr. MD | ☽    | 04:02      | 22:55      | —:—                        |            | 02:26 | 1h 35m     | 04:02 | 56m        | 04:58      | 17h 00m    | 21:58      | 56m                     | 22:54 | 1h 35m     | 00:30* |            | —:—   | 7h 00m     |                            | 00:30* – 02:27* | 1h 57m     | ND <sub>+</sub> bis ND <sub>\</sub> | Mi, 25. Jun |
| Do, 26. Jun | MESZ          |                            |            | Astr. MD |      | 05:17      | 23:32      | —:—                        |            | 02:27 | 1h 35m     | 04:02 | 56m        | 04:59      | 16h 59m    | 21:58      | 56m                     | 22:54 | 1h 34m     | 00:29* |            | —:—   | 7h 01m     |                            | 00:29* – 02:28* | 1h 59m     | ND <sub>+</sub> bis ND <sub>\</sub> | Do, 26. Jun |
| Fr, 27. Jun | MESZ          |                            |            | Astr. MD |      | 06:45      | 23:56      | —:—                        |            | 02:28 | 1h 34m     | 04:03 | 56m        | 04:59      | 16h 58m    | 21:58      | 55m                     | 22:54 | 1h 34m     | 00:28* |            | —:—   | 7h 01m     |                            | 00:28* – 02:30* | 2h 01m     | ND <sub>+</sub> bis ND <sub>\</sub> | Fr, 27. Jun |
| Sa, 28. Jun | MESZ          |                            |            | Astr. MD |      | 08:14      | —:—        | —:—                        |            | 02:30 | 1h 34m     | 04:04 | 55m        | 05:00      | 16h 58m    | 21:58      | 55m                     | 22:54 | 1h 33m     | 00:27* |            | —:—   | 7h 02m     |                            | 00:27* – 02:31* | 2h 04m     | ND <sub>+</sub> bis ND <sub>\</sub> | Sa, 28. Jun |
| So, 29. Jun | MESZ          |                            |            | Astr. MD |      | 09:39      | 00:11      | —:—                        |            | 02:31 | 1h 33m     | 04:04 | 55m        | 05:00      | 16h 57m    | 21:58      | 55m                     | 22:53 | 1h 32m     | 00:26* |            | —:—   | 7h 03m     |                            | 00:26* – 02:33* | 2h 07m     | ND <sub>+</sub> bis ND <sub>\</sub> | So, 29. Jun |
| Mo, 30. Jun | MESZ          |                            |            | Astr. MD |      | 10:59      | 00:23      | —:—                        |            | 02:33 | 1h 32m     | 04:05 | 55m        | 05:01      | 16h 56m    | 21:57      | 55m                     | 22:53 | 1h 31m     | 00:24* |            | —:—   | 7h 04m     |                            | 00:32* – 02:35* | 2h 02m     | M <sub>\</sub> bis ND <sub>\</sub>  | Mo, 30. Jun |
| Di, 1. Jul  | MESZ          |                            |            | Astr. MD |      | 12:16      | 00:32      | —:—                        |            | 02:35 | 1h 31m     | 04:06 | 55m        | 05:02      | 16h 55m    | 21:57      | 55m                     | 22:52 | 1h 30m     | 00:23* |            | —:—   | 7h 05m     |                            | 00:40* – 02:37* | 1h 56m     | M <sub>\</sub> bis ND <sub>\</sub>  | Di, 1. Jul  |
| Mi, 2. Jul  | MESZ          |                            |            | Astr. MD | ☾    | 13:29      | 00:40      | —:—                        |            | 02:37 | 1h 30m     | 04:07 | 55m        | 05:03      | 16h 53m    | 21:56      | 55m                     | 22:52 | 1h 29m     | 00:21* |            | —:—   | 7h 06m     |                            | 00:48* – 02:39* | 1h 50m     | M <sub>\</sub> bis ND <sub>\</sub>  | Mi, 2. Jul  |
| Do, 3. Jul  | MESZ          |                            |            | Astr. MD |      | 14:42      | 00:48      | —:—                        |            | 02:39 | 1h 29m     | 04:08 | 55m        | 05:03      | 16h 52m    | 21:56      | 54m                     | 22:51 | 1h 28m     | 00:19* |            | —:—   | 7h 08m     |                            | 00:56* – 02:41* | 1h 44m     | M <sub>\</sub> bis ND <sub>\</sub>  | Do, 3. Jul  |
| Fr, 4. Jul  | MESZ          |                            |            | Astr. MD |      | 15:56      | 00:56      | —:—                        |            | 02:41 | 1h 28m     | 04:09 | 54m        | 05:04      | 16h 51m    | 21:55      | 54m                     | 22:50 | 1h 27m     | 00:17* |            | —:—   | 7h 09m     |                            | 01:07* – 02:43* | 1h 36m     | M <sub>\</sub> bis ND <sub>\</sub>  | Fr, 4. Jul  |
| Sa, 5. Jul  | MESZ          |                            |            | Astr. MD |      | 17:12      | 01:07      | —:—                        |            | 02:43 | 1h 27m     | 04:10 | 54m        | 05:05      | 16h 49m    | 21:55      | 54m                     | 22:49 | 1h 26m     | 00:15* |            | —:—   | 7h 11m     |                            | 01:20* – 02:45* | 1h 24m     | M <sub>\</sub> bis ND <sub>\</sub>  | Sa, 5. Jul  |
| So, 6. Jul  | MESZ          |                            |            | Astr. MD |      | 18:29      | 01:20      | —:—                        |            | 02:45 | 1h 26m     | 04:12 | 54m        | 05:06      | 16h 48m    | 21:54      | 54m                     | 22:48 | 1h 24m     | 00:13* |            | —:—   | 7h 12m     |                            | 01:40* – 02:48* | 1h 08m     | M <sub>\</sub> bis ND <sub>\</sub>  | So, 6. Jul  |
| Mo, 7. Jul  | MESZ          |                            |            | Astr. MD |      | 19:43      | 01:40      | —:—                        |            | 02:48 | 1h 24m     | 04:13 | 54m        | 05:07      | 16h 46m    | 21:54      | 53m                     | 22:48 | 1h 23m     | 00:11* |            | —:—   | 7h 14m     |                            | 02:08* – 02:50* | 41m        | M <sub>\</sub> bis ND <sub>\</sub>  | Mo, 7. Jul  |
| Di, 8. Jul  | MESZ          |                            |            | Astr. MD |      | 20:50      | 02:08      | —:—                        |            | 02:50 | 1h 23m     | 04:14 | 53m        | 05:08      | 16h 44m    | 21:53      | 53m                     | 22:46 | 1h 22m     | 00:09* |            | —:—   | 7h 16m     |                            | 02:51* – 02:53* | 1m         | M <sub>\</sub> bis ND <sub>\</sub>  | Di, 8. Jul  |
| Mi, 9. Jul  | MESZ          |                            |            | Astr. MD |      | 21:44      | 02:51      | —:—                        |            | 02:53 | 1h 22m     | 04:15 | 53m        | 05:09      | 16h 42m    | 21:52      | 53m                     | 22:45 | 1h 21m     | 00:07* |            | —:—   | 7h 18m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Mi, 9. Jul  |
| Do, 10. Jul | MESZ          |                            |            | Astr. MD | ☽    | 22:22      | 03:50      | —:—                        |            | 02:55 | 1h 21m     | 04:17 | 53m        | 05:10      | 16h 40m    | 21:51      | 53m                     | 22:44 | 1h 20m     | 00:05* |            | —:—   | 7h 20m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Do, 10. Jul |
| Fr, 11. Jul | MESZ          |                            |            | Astr. MD |      | 22:49      | 05:05      | —:—                        |            | 02:58 | 1h 20m     | 04:18 | 53m        | 05:11      | 16h 38m    | 21:50      | 52m                     | 22:43 | 1h 19m     | 00:02* |            | —:—   | 7h 22m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Fr, 11. Jul |
| Sa, 12. Jul | MESZ          |                            |            | Astr. MD |      | 23:07      | 06:28      | —:—                        |            | 03:01 | 1h 19m     | 04:20 | 52m        | 05:13      | 16h 36m    | 21:49      | 52m                     | 22:42 | 1h 17m     | 00:00* |            | —:—   | 7h 24m     |                            | —:~:~:~:~:~     | —          | Mond stört                          | Sa, 12. Jul |
| So, 13. Jul | MESZ          |                            |            | Astr. MD |      | 23:20      | 07:54      | —:—                        |            | 03:03 | 1h 17m     | 04:21 | 52m        | 05:14      | 16h 34m    | 21:48      | 52m                     | 22:40 | 1h 16m     | 2      |            |       |            |                            |                 |            |                                     |             |

| 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          |
|-------------|-------|----------------------------|------------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----------------|------------|-------------------------------------|-------------|
| 2025        | Zeit- | Astr. dunkel und kein Mond |            |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |                | 2025       |                                     |             |
|             | zone  |                            | $\Delta t$ |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |                | $\Delta t$ |                                     |             |
| So, 20. Jul | MESZ  |                            |            | Astr. MD                            |      | 00:33      | 18:13      | —:—                        |            | 03:22 | 1h 10m     | 04:33 | 50m        | 05:23      | 16h 16m    | 21:40                   | 49m        | 22:30 | 1h 09m     | 23:39 |            | —:—      | 7h 44m                     |            | 23:39 – 01:02* | 1h 22m     | ND <sub>+</sub> bis M <sub>7</sub>  | So, 20. Jul |
| Mo, 21. Jul | MESZ  |                            |            | Astr. MD                            |      | 01:02      | 19:38      | —:—                        |            | 03:25 | 1h 09m     | 04:35 | 49m        | 05:25      | 16h 13m    | 21:39                   | 49m        | 22:28 | 1h 08m     | 23:37 |            | —:—      | 7h 47m                     |            | 23:37 – 01:47* | 2h 10m     | ND <sub>+</sub> bis M <sub>7</sub>  | Mo, 21. Jul |
| Di, 22. Jul | MESZ  |                            |            | Astr. MD                            |      | 01:47      | 20:44      | —:—                        |            | 03:28 | 1h 08m     | 04:36 | 49m        | 05:26      | 16h 11m    | 21:37                   | 49m        | 22:26 | 1h 07m     | 23:34 |            | —:—      | 7h 50m                     |            | 23:34 – 02:53* | 3h 18m     | ND <sub>+</sub> bis M <sub>7</sub>  | Di, 22. Jul |
| Mi, 23. Jul | MESZ  |                            |            | Astr. MD                            |      | 02:53      | 21:29      | —:—                        |            | 03:31 | 1h 07m     | 04:38 | 49m        | 05:28      | 16h 08m    | 21:36                   | 48m        | 22:25 | 1h 06m     | 23:31 |            | —:—      | 7h 53m                     |            | 23:31 – 03:34* | 4h 02m     | ND <sub>+</sub> bis ND <sub>-</sub> | Mi, 23. Jul |
| Do, 24. Jul | MESZ  |                            |            | Astr. MD                            | ●    | 04:16      | 21:58      | —:—                        |            | 03:34 | 1h 06m     | 04:40 | 48m        | 05:29      | 16h 05m    | 21:34                   | 48m        | 22:23 | 1h 05m     | 23:28 |            | —:—      | 7h 56m                     |            | 23:28 – 03:36* | 4h 08m     | ND <sub>+</sub> bis ND <sub>-</sub> | Do, 24. Jul |
| Fr, 25. Jul | MESZ  |                            |            | Astr. MD                            |      | 05:45      | 22:16      | —:—                        |            | 03:36 | 1h 05m     | 04:42 | 48m        | 05:31      | 16h 02m    | 21:33                   | 48m        | 22:21 | 1h 04m     | 23:26 |            | —:—      | 7h 59m                     |            | 23:26 – 03:39* | 4h 13m     | ND <sub>+</sub> bis ND <sub>-</sub> | Fr, 25. Jul |
| Sa, 26. Jul | MESZ  |                            |            | Astr. MD                            |      | 07:13      | 22:29      | —:—                        |            | 03:39 | 1h 04m     | 04:44 | 48m        | 05:32      | 15h 58m    | 21:31                   | 47m        | 22:19 | 1h 03m     | 23:23 |            | —:—      | 8h 02m                     |            | 23:23 – 03:42* | 4h 19m     | ND <sub>+</sub> bis ND <sub>-</sub> | Sa, 26. Jul |
| So, 27. Jul | MESZ  |                            |            | Astr. MD                            |      | 08:36      | 22:39      | —:—                        |            | 03:42 | 1h 03m     | 04:46 | 47m        | 05:34      | 15h 55m    | 21:30                   | 47m        | 22:17 | 1h 02m     | 23:20 |            | —:—      | 8h 05m                     |            | 23:20 – 03:45* | 4h 24m     | ND <sub>+</sub> bis ND <sub>-</sub> | So, 27. Jul |
| Mo, 28. Jul | MESZ  |                            |            | Astr. MD                            |      | 09:55      | 22:47      | —:—                        |            | 03:45 | 1h 02m     | 04:48 | 47m        | 05:35      | 15h 52m    | 21:28                   | 47m        | 22:15 | 1h 02m     | 23:17 |            | —:—      | 8h 08m                     |            | 23:17 – 03:47* | 4h 30m     | ND <sub>+</sub> bis ND <sub>-</sub> | Mo, 28. Jul |
| Di, 29. Jul | MESZ  |                            |            | Astr. MD                            |      | 11:11      | 22:55      | —:—                        |            | 03:47 | 1h 02m     | 04:50 | 47m        | 05:37      | 15h 49m    | 21:26                   | 46m        | 22:13 | 1h 01m     | 23:14 |            | —:—      | 8h 12m                     |            | 23:14 – 03:50* | 4h 35m     | ND <sub>+</sub> bis ND <sub>-</sub> | Di, 29. Jul |
| Mi, 30. Jul | MESZ  | 01:11* – 01:54*            | 42m        | AN <sub>+</sub> bis AN <sub>-</sub> |      | 12:25      | 23:03      | —:—                        |            | 03:50 | 1h 01m     | 04:52 | 46m        | 05:38      | 15h 46m    | 21:25                   | 46m        | 22:11 | 1h 00m     | 23:12 | 1h 59m     | 01:11*   | 8h 15m                     | 42m        |                |            |                                     | Mi, 30. Jul |
| Do, 31. Jul | MESZ  | 00:57* – 02:07*            | 1h 09m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 13:39      | 23:13      | 01:54                      | 1h 59m     | 03:53 | 1h 00m     | 04:53 | 46m        | 05:40      | 15h 42m    | 21:23                   | 46m        | 22:09 | 59m        | 23:09 | 1h 48m     | 00:57*   | 8h 18m                     | 1h 09m     |                |            |                                     | Do, 31. Jul |
| Fr, 1. Aug  | MESZ  | 00:48* – 02:17*            | 1h 29m     | AN <sub>+</sub> bis AN <sub>-</sub> | ☾    | 14:55      | 23:25      | 02:07                      | 1h 48m     | 03:56 | 59m        | 04:55 | 46m        | 05:42      | 15h 39m    | 21:21                   | 46m        | 22:07 | 59m        | 23:06 | 1h 41m     | 00:48*   | 8h 22m                     | 1h 29m     |                |            |                                     | Fr, 1. Aug  |
| Sa, 2. Aug  | MESZ  | 00:39* – 02:25*            | 1h 45m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 16:11      | 23:42      | 02:17                      | 1h 41m     | 03:58 | 59m        | 04:57 | 46m        | 05:43      | 15h 35m    | 21:19                   | 45m        | 22:05 | 58m        | 23:03 | 1h 36m     | 00:39*   | 8h 25m                     | 1h 45m     |                |            |                                     | Sa, 2. Aug  |
| So, 3. Aug  | MESZ  | 00:32* – 02:32*            | 1h 59m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 17:27      | —:—        | 02:25                      | 1h 36m     | 04:01 | 58m        | 04:59 | 45m        | 05:45      | 15h 32m    | 21:17                   | 45m        | 22:03 | 57m        | 23:00 | 1h 31m     | 00:32*   | 8h 29m                     | 1h 59m     |                |            |                                     | So, 3. Aug  |
| Mo, 4. Aug  | MESZ  | 00:42* – 02:38*            | 1h 56m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 18:38      | 00:06      | 02:32                      | 1h 31m     | 04:04 | 57m        | 05:01 | 45m        | 05:47      | 15h 28m    | 21:16                   | 45m        | 22:01 | 56m        | 22:58 | 1h 27m     | 00:26*   | 8h 32m                     | 2h 12m     |                |            |                                     | Mo, 4. Aug  |
| Di, 5. Aug  | MESZ  | 01:35* – 02:44*            | 1h 09m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 19:37      | 00:42      | 02:38                      | 1h 28m     | 04:06 | 56m        | 05:03 | 45m        | 05:48      | 15h 25m    | 21:14                   | 44m        | 21:58 | 56m        | 22:55 | 1h 24m     | 00:19*   | 8h 36m                     | 2h 24m     |                |            |                                     | Di, 5. Aug  |
| Mi, 6. Aug  | MESZ  | 02:44* – 02:50*            | 5m         | M <sub>\</sub> bis AN <sub>-</sub>  |      | 20:21      | 01:35      | 02:44                      | 1h 24m     | 04:09 | 56m        | 05:05 | 44m        | 05:50      | 15h 21m    | 21:12                   | 44m        | 21:56 | 55m        | 22:52 | 1h 21m     | 00:14*   | 8h 40m                     | 2h 35m     |                |            |                                     | Mi, 6. Aug  |
| Do, 7. Aug  | MESZ  | —:—:—:—                    | –          | Mond stört                          |      | 20:52      | 02:44      | 02:50                      | 1h 21m     | 04:12 | 55m        | 05:07 | 44m        | 05:52      | 15h 18m    | 21:10                   | 44m        | 21:54 | 55m        | 22:49 | 1h 19m     | 00:08*   | 8h 43m                     | 2h 46m     |                |            |                                     | Do, 7. Aug  |
| Fr, 8. Aug  | MESZ  | —:—:—:—                    | –          | Mond stört                          |      | 21:13      | 04:06      | 02:55                      | 1h 19m     | 04:14 | 55m        | 05:09 | 44m        | 05:53      | 15h 14m    | 21:08                   | 43m        | 21:52 | 54m        | 22:46 | 1h 17m     | 00:03*   | 8h 47m                     | 2h 56m     |                |            |                                     | Fr, 8. Aug  |
| Sa, 9. Aug  | MESZ  | —:—:—:—                    | –          | Mond stört                          | ☾    | 21:28      | 05:33      | 03:00                      | 1h 17m     | 04:17 | 54m        | 05:11 | 43m        | 05:55      | 15h 10m    | 21:06                   | 43m        | 21:49 | 53m        | 22:43 | 1h 14m     | 23:58    | 8h 51m                     | 3h 06m     |                |            |                                     | Sa, 9. Aug  |
| So, 10. Aug | MESZ  | —:—:~:~:~                  | –          | Mond stört                          |      | 21:39      | 07:01      | 03:04                      | 1h 14m     | 04:19 | 53m        | 05:13 | 43m        | 05:57      | 15h 06m    | 21:04                   | 43m        | 21:47 | 53m        | 22:40 | 1h 12m     | 23:53    | 8h 54m                     | 3h 15m     |                |            |                                     | So, 10. Aug |
| Mo, 11. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          |      | 21:49      | 08:28      | 03:09                      | 1h 12m     | 04:22 | 53m        | 05:15 | 43m        | 05:59      | 15h 03m    | 21:02                   | 43m        | 21:45 | 52m        | 22:38 | 1h 11m     | 23:49    | 8h 58m                     | 3h 24m     |                |            |                                     | Mo, 11. Aug |
| Di, 12. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          |      | 21:59      | 09:55      | 03:13                      | 1h 11m     | 04:24 | 52m        | 05:17 | 43m        | 06:00      | 14h 59m    | 21:00                   | 42m        | 21:43 | 52m        | 22:35 | 1h 09m     | 23:44    | 9h 02m                     | 3h 33m     |                |            |                                     | Di, 12. Aug |
| Mi, 13. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          |      | 22:09      | 11:23      | 03:17                      | 1h 09m     | 04:27 | 52m        | 05:19 | 42m        | 06:02      | 14h 55m    | 20:58                   | 42m        | 21:40 | 51m        | 22:32 | 1h 07m     | 23:40    | 9h 06m                     | 3h 41m     |                |            |                                     | Mi, 13. Aug |
| Do, 14. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          |      | 22:21      | 12:52      | 03:21                      | 1h 07m     | 04:29 | 51m        | 05:21 | 42m        | 06:04      | 14h 51m    | 20:56                   | 42m        | 21:38 | 51m        | 22:29 | 1h 06m     | 23:36    | 9h 09m                     | 3h 49m     |                |            |                                     | Do, 14. Aug |
| Fr, 15. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          |      | 22:38      | 14:25      | 03:25                      | 1h 06m     | 04:32 | 51m        | 05:23 | 42m        | 06:05      | 14h 47m    | 20:53                   | 42m        | 21:36 | 50m        | 22:26 | 1h 05m     | 23:31    | 9h 13m                     | 3h 57m     |                |            |                                     | Fr, 15. Aug |
| Sa, 16. Aug | MESZ  | —:~:~:~:~                  | –          | Mond stört                          | ☾    | 23:03      | 15:58      | 03:29                      | 1h 05m     | 04:34 | 50m        | 05:25 | 42m        | 06:07      | 14h 44m    | 20:51                   | 41m        | 21:33 | 50m        | 22:23 | 1h 03m     | 23:27    | 9h 17m                     | 4h 05m     |                |            |                                     | Sa, 16. Aug |
| So, 17. Aug | MESZ  | 23:23 – 23:41              | 17m        | AN <sub>+</sub> bis M <sub>7</sub>  |      | 23:41      | 17:25      | 03:33                      | 1h 03m     | 04:37 | 50m        | 05:27 | 41m        | 06:09      | 14h 40m    | 20:49                   | 41m        | 21:31 | 49m        | 22:20 | 1h 02m     | 23:23    | 9h 21m                     | 4h 13m     |                |            |                                     | So, 17. Aug |
| Mo, 18. Aug | MESZ  | 23:19 – 00:38*             | 1h 19m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 18:37      | 03:36                      | 1h 02m     | 04:39 | 49m        | 05:29 | 41m        | 06:11      | 14h 36m    | 20:47                   | 41m        | 21:28 | 49m        | 22:18 | 1h 01m     | 23:19    | 9h 25m                     | 4h 20m     |                |            |                                     | Mo, 18. Aug |
| Di, 19. Aug | MESZ  | 23:15 – 01:54*             | 2h 39m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 00:38      | 19:28      | 03:40                      | 1h 01m     | 04:42 | 49m        | 05:31 | 41m        | 06:12      | 14h 32m    | 20:45                   | 41m        | 21:26 | 48m        | 22:15 | 1h 00m     | 23:15    | 9h 29m                     | 4h 28m     |                |            |                                     | Di, 19. Aug |
| Mi, 20. Aug | MESZ  | 23:11 – 03:21*             | 4h 09m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:54      | 20:01      | 03:43                      | 1h 00m     | 04:44 | 48m        | 05:33 | 41m        | 06:14      | 14h 28m    | 20:43                   | 40m        | 21:24 | 48m        | 22:12 | 59m        | 23:11    | 9h 33m                     | 4h 35m     |                |            |                                     | Mi, 20. Aug |
| Do, 21. Aug | MESZ  | 23:08 – 03:50*             | 4h 42m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 03:21      | 20:22      | 03:47                      | 59m        | 04:46 | 48m        | 05:35 | 41m        | 06:16      | 14h 24m    | 20:40                   | 40m        | 21:21 | 48m        | 22:09 | 58m        | 23:08    | 9h 37m                     | 4h 42m     |                |            |                                     | Do, 21. Aug |
| Fr, 22. Aug | MESZ  | 23:04 – 03:53*             | 4h 49m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 04:49      | 20:36      | 03:50                      | 58m        | 04:49 | 48m        | 05:37 | 40m        | 06:18      | 14h 20m    | 20:38                   | 40m        | 21:19 | 47m        | 22:06 | 57m        | 23:04    | 9h 41m                     | 4h 49m     |                |            |                                     | Fr, 22. Aug |
| Sa, 23. Aug | MESZ  | 23:00 – 03:57*             | 4h 56m     | AN <sub>+</sub> bis AN <sub>-</sub> | ●    | 06:14      | 20:47      | 03:53                      | 57m        | 04:51 | 47m        | 05:39 | 40m        | 06:19      | 14h 16m    | 20:36                   | 40m        | 21:16 | 47m        | 22:03 | 56m        | 23:00    | 9h 45m                     | 4h 56m     |                |            |                                     | Sa, 23. Aug |
| So, 24. Aug | MESZ  | 22:57 – 04:00*             | 5h 03m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:34      | 20:56      | 03:57                      | 56m        | 04:53 | 47m        | 05:41 | 40m        | 06:21      | 14h 12m    | 20:34                   | 40m        | 21:14 | 46m        | 22:01 | 56m        | 22:57    | 9h 49m                     | 5h 03m     |                |            |                                     | So, 24. Aug |
| Mo, 25. Aug | MESZ  | 22:53 – 04:03*             | 5h 09m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 08:51      | 21:03      | 04:00                      | 56m        | 04:56 | 46m        | 05:43 | 40m        | 06:23      | 14h 08m    | 20:31                   | 39m        | 21:11 | 46m        | 21:58 | 55m        | 22:53    | 9h 53m                     | 5h 09m     |                |            |                                     | Mo, 25. Aug |
| Di, 26. Aug | MESZ  | 22:49 – 04:06*             | 5h 16m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 10:07      | 21:11      | 04:03                      | 55m        | 04:58 | 46m        | 05:45 | 40m        | 06:25      | 14h 04m    | 20:29                   | 39m        | 21:09 | 46m        | 21:55 | 54m        | 22:49    | 9h 57m                     | 5h 16m     |                |            |                                     | Di, 26. Aug |
| Mi, 27. Aug | MESZ  | 22:46 – 04:09*             | 5h 22m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 11:21      | 21:20      | 04:06                      | 54m        | 05:00 | 46m        | 05:46 | 39m        | 06:26      | 14h 00m    | 20:27                   | 39m        | 21:06 | 45m        | 21:52 | 53m        | 22:46    | 10h 01m                    | 5h 22m     |                |            |                                     | Mi, 27. Aug |
| Do, 28. Aug | MESZ  | 22:42 – 04:12*             | 5h 29m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 12:37      | 21:31      | 04:09                      | 53m        | 05:02 | 45m        | 05:48 | 39m        | 06:28      | 13h 56m    | 20:24                   | 39m        | 21:04 | 45m        | 21:49 | 53m        | 22:42    | 10h 05m                    | 5h 29m     |                |            |                                     | Do, 28. Aug |
| Fr, 29. Aug | MESZ  | 22:39 – 04:14*             | 5h 35m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 13:53      | 21:46      | 04:12                      | 53m        | 05:05 | 45m        | 05:50 | 39m        | 06:30      | 13h 52m    | 20:22                   | 39m        | 21:01 | 45m        | 21:46 | 52m        | 22:39    | 10h 09m                    | 5h 35m     |                |            |                                     | Fr, 29. Aug |
| Sa, 30. Aug | MESZ  | 22:36 – 04:17*             | 5h 41m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 15:09      | 22:06      | 04:14                      | 52m        | 05:07 | 45m        | 05:52 | 39m        | 06:31      | 13h 48m    | 20:20                   | 39m        | 20:59 | 44m        | 21:44 | 51m        | 22:36    | 10h 13m                    | 5h 41m</   |                |            |                                     |             |

| 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 |             |
|-------------|---------------|----------------------------|------------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|----|-------------|
| 2025        | Zeit-<br>zone | Astr. dunkel und kein Mond |            |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |    | 2025       |    |    |             |
|             |               |                            | $\Delta t$ |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |    | $\Delta t$ |    |    |             |
| Mo, 8. Sep  | MESZ          | —:—:—:—                    | —          | Mond stört                          |      | 20:07      | 07:30      | 04:38                      | 47m        | 05:26 | 42m        | 06:09 | 38m        | 06:47      | 13h 11m    | 19:58                   | 37m        | 20:36 | 42m        | 21:19 | 47m        | 22:06    | 10h 50m                    | 6h 34m     |    |            |    |    | Mo, 8. Sep  |
| Di, 9. Sep  | MESZ          | —:—:—:—                    | —          | Mond stört                          |      | 20:17      | 09:00      | 04:41                      | 47m        | 05:28 | 42m        | 06:11 | 37m        | 06:49      | 13h 07m    | 19:56                   | 37m        | 20:34 | 42m        | 21:16 | 47m        | 22:03    | 10h 54m                    | 6h 40m     |    |            |    |    | Di, 9. Sep  |
| Mi, 10. Sep | MESZ          | —:—:—:—                    | —          | Mond stört                          |      | 20:29      | 10:32      | 04:43                      | 47m        | 05:30 | 42m        | 06:13 | 37m        | 06:50      | 13h 02m    | 19:53                   | 37m        | 20:31 | 42m        | 21:13 | 46m        | 22:00    | 10h 58m                    | 6h 45m     |    |            |    |    | Mi, 10. Sep |
| Do, 11. Sep | MESZ          | —:—:~:~                    | —          | Mond stört                          |      | 20:44      | 12:06      | 04:45                      | 46m        | 05:32 | 42m        | 06:14 | 37m        | 06:52      | 12h 58m    | 19:51                   | 37m        | 20:29 | 42m        | 21:11 | 46m        | 21:57    | 11h 02m                    | 6h 50m     |    |            |    |    | Do, 11. Sep |
| Fr, 12. Sep | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 21:06      | 13:42      | 04:48                      | 46m        | 05:34 | 42m        | 06:16 | 37m        | 06:54      | 12h 54m    | 19:49                   | 37m        | 20:26 | 41m        | 21:08 | 45m        | 21:54    | 11h 07m                    | 6h 56m     |    |            |    |    | Fr, 12. Sep |
| Sa, 13. Sep | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 21:40      | 15:13      | 04:50                      | 45m        | 05:36 | 41m        | 06:18 | 37m        | 06:56      | 12h 50m    | 19:46                   | 37m        | 20:24 | 41m        | 21:05 | 45m        | 21:51    | 11h 11m                    | 7h 01m     |    |            |    |    | Sa, 13. Sep |
| So, 14. Sep | MESZ          | 21:48 – 22:31              | 43m        | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 22:31      | 16:31      | 04:52                      | 45m        | 05:38 | 41m        | 06:20 | 37m        | 06:57      | 12h 46m    | 19:44                   | 37m        | 20:21 | 41m        | 21:02 | 45m        | 21:48    | 11h 15m                    | 7h 06m     |    |            |    |    | So, 14. Sep |
| Mo, 15. Sep | MESZ          | 21:45 – 23:42              | 1h 56m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 23:42      | 17:28      | 04:55                      | 45m        | 05:40 | 41m        | 06:22 | 37m        | 06:59      | 12h 42m    | 19:41                   | 37m        | 20:18 | 41m        | 21:00 | 44m        | 21:45    | 11h 19m                    | 7h 12m     |    |            |    |    | Mo, 15. Sep |
| Di, 16. Sep | MESZ          | 21:42 – 01:05*             | 3h 22m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 18:05      | 04:57                      | 45m        | 05:42 | 41m        | 06:23 | 37m        | 07:01      | 12h 37m    | 19:39                   | 37m        | 20:16 | 41m        | 20:57 | 44m        | 21:42    | 11h 23m                    | 7h 17m     |    |            |    |    | Di, 16. Sep |
| Mi, 17. Sep | MESZ          | 21:39 – 02:31*             | 4h 52m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:05      | 18:28      | 04:59                      | 44m        | 05:44 | 41m        | 06:25 | 37m        | 07:03      | 12h 33m    | 19:36                   | 37m        | 20:13 | 41m        | 20:55 | 44m        | 21:39    | 11h 27m                    | 7h 22m     |    |            |    |    | Mi, 17. Sep |
| Do, 18. Sep | MESZ          | 21:36 – 03:56*             | 6h 19m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 02:31      | 18:44      | 05:01                      | 44m        | 05:46 | 41m        | 06:27 | 37m        | 07:04      | 12h 29m    | 19:34                   | 37m        | 20:11 | 40m        | 20:52 | 44m        | 21:36    | 11h 32m                    | 7h 27m     |    |            |    |    | Do, 18. Sep |
| Fr, 19. Sep | MESZ          | 21:33 – 05:06*             | 7h 32m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 03:56      | 18:56      | 05:04                      | 44m        | 05:48 | 40m        | 06:29 | 37m        | 07:06      | 12h 25m    | 19:31                   | 37m        | 20:08 | 40m        | 20:49 | 43m        | 21:33    | 11h 36m                    | 7h 32m     |    |            |    |    | Fr, 19. Sep |
| Sa, 20. Sep | MESZ          | 21:30 – 05:08*             | 7h 37m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:17      | 19:05      | 05:06                      | 43m        | 05:50 | 40m        | 06:31 | 37m        | 07:08      | 12h 21m    | 19:29                   | 36m        | 20:06 | 40m        | 20:47 | 43m        | 21:30    | 11h 40m                    | 7h 37m     |    |            |    |    | Sa, 20. Sep |
| So, 21. Sep | MESZ          | 21:27 – 05:10*             | 7h 42m     | AN <sub>+</sub> bis AN <sub>-</sub> | ☀    | 06:34      | 19:13      | 05:08                      | 43m        | 05:52 | 40m        | 06:32 | 37m        | 07:10      | 12h 17m    | 19:27                   | 36m        | 20:04 | 40m        | 20:44 | 43m        | 21:27    | 11h 44m                    | 7h 42m     |    |            |    |    | So, 21. Sep |
| Mo, 22. Sep | MESZ          | 21:25 – 05:12*             | 7h 47m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:50      | 19:21      | 05:10                      | 43m        | 05:54 | 40m        | 06:34 | 37m        | 07:11      | 12h 12m    | 19:24                   | 36m        | 20:01 | 40m        | 20:41 | 43m        | 21:25    | 11h 48m                    | 7h 47m     |    |            |    |    | Mo, 22. Sep |
| Di, 23. Sep | MESZ          | 21:22 – 05:14*             | 7h 52m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 09:04      | 19:29      | 05:12                      | 43m        | 05:56 | 40m        | 06:36 | 36m        | 07:13      | 12h 08m    | 19:22                   | 36m        | 19:59 | 40m        | 20:39 | 42m        | 21:22    | 11h 53m                    | 7h 52m     |    |            |    |    | Di, 23. Sep |
| Mi, 24. Sep | MESZ          | 21:19 – 05:16*             | 7h 57m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 10:19      | 19:39      | 05:14                      | 43m        | 05:57 | 40m        | 06:38 | 36m        | 07:15      | 12h 04m    | 19:19                   | 36m        | 19:56 | 40m        | 20:36 | 42m        | 21:19    | 11h 57m                    | 7h 57m     |    |            |    |    | Mi, 24. Sep |
| Do, 25. Sep | MESZ          | 21:16 – 05:18*             | 8h 02m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 11:36      | 19:52      | 05:16                      | 42m        | 05:59 | 40m        | 06:40 | 36m        | 07:16      | 12h 00m    | 19:17                   | 36m        | 19:54 | 40m        | 20:34 | 42m        | 21:16    | 12h 01m                    | 8h 02m     |    |            |    |    | Do, 25. Sep |
| Fr, 26. Sep | MESZ          | 21:14 – 05:21*             | 8h 06m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 12:52      | 20:10      | 05:18                      | 42m        | 06:01 | 40m        | 06:41 | 36m        | 07:18      | 11h 56m    | 19:14                   | 36m        | 19:51 | 40m        | 20:31 | 42m        | 21:14    | 12h 05m                    | 8h 06m     |    |            |    |    | Fr, 26. Sep |
| Sa, 27. Sep | MESZ          | 21:11 – 05:23*             | 8h 11m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 14:06      | 20:35      | 05:21                      | 42m        | 06:03 | 40m        | 06:43 | 36m        | 07:20      | 11h 51m    | 19:12                   | 36m        | 19:49 | 39m        | 20:29 | 42m        | 21:11    | 12h 09m                    | 8h 11m     |    |            |    |    | Sa, 27. Sep |
| So, 28. Sep | MESZ          | 21:13 – 05:25*             | 8h 11m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 15:14      | 21:13      | 05:23                      | 42m        | 06:05 | 40m        | 06:45 | 36m        | 07:22      | 11h 47m    | 19:10                   | 36m        | 19:46 | 39m        | 20:26 | 42m        | 21:08    | 12h 13m                    | 8h 16m     |    |            |    |    | So, 28. Sep |
| Mo, 29. Sep | MESZ          | 22:07 – 05:27*             | 7h 19m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 16:09      | 22:07      | 05:25                      | 42m        | 06:07 | 39m        | 06:47 | 36m        | 07:24      | 11h 43m    | 19:07                   | 36m        | 19:44 | 39m        | 20:24 | 41m        | 21:06    | 12h 18m                    | 8h 20m     |    |            |    |    | Mo, 29. Sep |
| Di, 30. Sep | MESZ          | 23:16 – 05:29*             | 6h 12m     | M <sub>\</sub> bis AN <sub>-</sub>  | ☾    | 16:50      | 23:16      | 05:27                      | 41m        | 06:09 | 39m        | 06:48 | 36m        | 07:25      | 11h 39m    | 19:05                   | 36m        | 19:41 | 39m        | 20:21 | 41m        | 21:03    | 12h 22m                    | 8h 25m     |    |            |    |    | Di, 30. Sep |
| Mi, 1. Okt  | MESZ          | 00:36* – 05:30*            | 4h 54m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 17:18      | —:—        | 05:29                      | 41m        | 06:10 | 39m        | 06:50 | 36m        | 07:27      | 11h 35m    | 19:02                   | 36m        | 19:39 | 39m        | 20:19 | 41m        | 21:00    | 12h 26m                    | 8h 30m     |    |            |    |    | Mi, 1. Okt  |
| Do, 2. Okt  | MESZ          | 02:02* – 05:32*            | 3h 30m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 17:38      | 00:36      | 05:30                      | 41m        | 06:12 | 39m        | 06:52 | 36m        | 07:29      | 11h 31m    | 19:00                   | 36m        | 19:37 | 39m        | 20:16 | 41m        | 20:58    | 12h 30m                    | 8h 34m     |    |            |    |    | Do, 2. Okt  |
| Fr, 3. Okt  | MESZ          | 03:29* – 05:34*            | 2h 05m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 17:52      | 02:02      | 05:32                      | 41m        | 06:14 | 39m        | 06:54 | 36m        | 07:31      | 11h 26m    | 18:58                   | 36m        | 19:34 | 39m        | 20:14 | 41m        | 20:55    | 12h 34m                    | 8h 39m     |    |            |    |    | Fr, 3. Okt  |
| Sa, 4. Okt  | MESZ          | 04:57* – 05:36*            | 39m        | M <sub>\</sub> bis AN <sub>-</sub>  |      | 18:04      | 03:29      | 05:34                      | 41m        | 06:16 | 39m        | 06:55 | 36m        | 07:32      | 11h 22m    | 18:55                   | 36m        | 19:32 | 39m        | 20:11 | 41m        | 20:53    | 12h 39m                    | 8h 43m     |    |            |    |    | Sa, 4. Okt  |
| So, 5. Okt  | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 18:14      | 04:57      | 05:36                      | 41m        | 06:18 | 39m        | 06:57 | 36m        | 07:34      | 11h 18m    | 18:53                   | 36m        | 19:30 | 39m        | 20:09 | 41m        | 20:50    | 12h 43m                    | 8h 47m     |    |            |    |    | So, 5. Okt  |
| Mo, 6. Okt  | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 18:24      | 06:27      | 05:38                      | 41m        | 06:19 | 39m        | 06:59 | 36m        | 07:36      | 11h 14m    | 18:50                   | 36m        | 19:27 | 39m        | 20:07 | 41m        | 20:48    | 12h 47m                    | 8h 52m     |    |            |    |    | Mo, 6. Okt  |
| Di, 7. Okt  | MESZ          | —:~:~:~                    | —          | Mond stört                          | ☉    | 18:35      | 07:59      | 05:40                      | 41m        | 06:21 | 39m        | 07:01 | 36m        | 07:38      | 11h 10m    | 18:48                   | 36m        | 19:25 | 39m        | 20:04 | 40m        | 20:45    | 12h 51m                    | 8h 56m     |    |            |    |    | Di, 7. Okt  |
| Mi, 8. Okt  | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 18:49      | 09:35      | 05:42                      | 41m        | 06:23 | 39m        | 07:03 | 37m        | 07:40      | 11h 06m    | 18:46                   | 36m        | 19:23 | 39m        | 20:02 | 40m        | 20:43    | 12h 55m                    | 9h 00m     |    |            |    |    | Mi, 8. Okt  |
| Do, 9. Okt  | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 19:09      | 11:14      | 05:44                      | 40m        | 06:25 | 39m        | 07:04 | 37m        | 07:41      | 11h 01m    | 18:43                   | 36m        | 19:20 | 39m        | 20:00 | 40m        | 20:40    | 12h 59m                    | 9h 05m     |    |            |    |    | Do, 9. Okt  |
| Fr, 10. Okt | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 19:39      | 12:51      | 05:46                      | 40m        | 06:27 | 39m        | 07:06 | 37m        | 07:43      | 10h 57m    | 18:41                   | 37m        | 19:18 | 39m        | 19:57 | 40m        | 20:38    | 13h 03m                    | 9h 09m     |    |            |    |    | Fr, 10. Okt |
| Sa, 11. Okt | MESZ          | —:~:~:~                    | —          | Mond stört                          |      | 20:25      | 14:18      | 05:48                      | 40m        | 06:28 | 39m        | 07:08 | 37m        | 07:45      | 10h 53m    | 18:39                   | 37m        | 19:16 | 39m        | 19:55 | 40m        | 20:36    | 13h 08m                    | 9h 13m     |    |            |    |    | Sa, 11. Okt |
| So, 12. Okt | MESZ          | 20:33 – 21:31              | 57m        | AN <sub>+</sub> bis M <sub>7</sub>  |      | 21:31      | 15:23      | 05:49                      | 40m        | 06:30 | 39m        | 07:10 | 37m        | 07:47      | 10h 49m    | 18:36                   | 37m        | 19:13 | 39m        | 19:53 | 40m        | 20:33    | 13h 12m                    | 9h 17m     |    |            |    |    | So, 12. Okt |
| Mo, 13. Okt | MESZ          | 20:31 – 22:52              | 2h 20m     | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 22:52      | 16:07      | 05:51                      | 40m        | 06:32 | 39m        | 07:11 | 37m        | 07:49      | 10h 45m    | 18:34                   | 37m        | 19:11 | 39m        | 19:51 | 40m        | 20:31    | 13h 16m                    | 9h 21m     |    |            |    |    | Mo, 13. Okt |
| Di, 14. Okt | MESZ          | 20:29 – 00:19*             | 3h 49m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 16:34      | 05:53                      | 40m        | 06:34 | 39m        | 07:13 | 37m        | 07:50      | 10h 41m    | 18:32                   | 37m        | 19:09 | 39m        | 19:48 | 40m        | 20:29    | 13h 20m                    | 9h 25m     |    |            |    |    | Di, 14. Okt |
| Mi, 15. Okt | MESZ          | 20:27 – 01:43*             | 5h 16m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 00:19      | 16:52      | 05:55                      | 40m        | 06:35 | 39m        | 07:15 | 37m        | 07:52      | 10h 37m    | 18:29                   | 37m        | 19:07 | 39m        | 19:46 | 40m        | 20:27    | 13h 24m                    | 9h 30m     |    |            |    |    | Mi, 15. Okt |
| Do, 16. Okt | MESZ          | 20:24 – 03:04*             | 6h 40m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:43      | 17:05      | 05:57                      | 40m        | 06:37 | 39m        | 07:17 | 37m        | 07:54      | 10h 33m    | 18:27                   | 37m        | 19:05 | 39m        | 19:44 | 40m        | 20:24    | 13h 28m                    | 9h 34m     |    |            |    |    | Do, 16. Okt |
| Fr, 17. Okt | MESZ          | 20:22 – 04:22*             | 7h 59m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 03:04      | 17:14      | 05:58                      | 40m        | 06:39 | 39m        | 07:18 | 37m        | 07:56      | 10h 29m    | 18:25                   | 37m        | 19:02 | 39m        | 19:42 | 40m        | 20:22    | 13h 32m                    | 9h 37m     |    |            |    |    | Fr, 17. Okt |
| Sa, 18. Okt | MESZ          | 20:20 – 05:37*             | 9h 16m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 04:22      | 17:23      | 06:00                      | 40m        | 06:41 | 39m        | 07:20 | 37m        | 07:58      | 10h 24m    | 18:23                   | 37m        | 19:00 | 39m        | 19:40 | 40m        | 20:20    | 13h 36m                    | 9h 41m     |    |            |    |    | Sa, 18. Okt |
| So, 19. Okt | MESZ          | 20:18 – 06:04*             | 9h 45m     | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:37      | 17:30      | 06:02                      | 40m        | 06:42 | 39m        | 07:22 | 37m        | 08:00      | 10h 2      |                         |            |       |            |       |            |          |                            |            |    |            |    |    |             |

| 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          |
|-------------|---------------|----------------------------|---------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|-------------|
| 2025        | Zeit-<br>zone | Astr. dunkel und kein Mond |         |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |    | 2025       |    |             |
|             |               | $\Delta t$                 |         |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |    | $\Delta t$ |    |             |
| Di, 28. Okt |               | 21:17–05:19*               | 8h 02m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 14:19      | 21:17      | 05:18                      | 40m        | 05:58 | 40m        | 06:38 | 38m        | 07:17      | 9h 44m     | 17:01                   | 38m        | 17:40 | 40m        | 18:20 | 40m        | 19:00    | 14h 17m                    | 10h 19m    |    |            |    | Di, 28. Okt |
| Mi, 29. Okt |               | 22:38–05:21*               | 6h 43m  | M <sub>\</sub> bis AN <sub>\</sub>  | ☾    | 14:41      | 22:38      | 05:19                      | 40m        | 06:00 | 40m        | 06:40 | 38m        | 07:18      | 9h 40m     | 16:59                   | 38m        | 17:38 | 40m        | 18:18 | 40m        | 18:58    | 14h 20m                    | 10h 22m    |    |            |    | Mi, 29. Okt |
| Do, 30. Okt |               | 00:01*–05:23*              | 5h 21m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 14:57      | —:—        | 05:21                      | 40m        | 06:01 | 40m        | 06:41 | 38m        | 07:20      | 9h 37m     | 16:57                   | 38m        | 17:36 | 40m        | 18:16 | 40m        | 18:57    | 14h 24m                    | 10h 25m    |    |            |    | Do, 30. Okt |
| Fr, 31. Okt |               | 01:26*–05:24*              | 3h 57m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 15:09      | 00:01      | 05:23                      | 40m        | 06:03 | 40m        | 06:43 | 39m        | 07:22      | 9h 33m     | 16:55                   | 38m        | 17:34 | 40m        | 18:15 | 40m        | 18:55    | 14h 28m                    | 10h 29m    |    |            |    | Fr, 31. Okt |
| Sa, 1. Nov  |               | 02:52*–05:26*              | 2h 33m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 15:20      | 01:26      | 05:24                      | 40m        | 06:05 | 40m        | 06:45 | 39m        | 07:24      | 9h 29m     | 16:53                   | 39m        | 17:33 | 40m        | 18:13 | 40m        | 18:53    | 14h 32m                    | 10h 32m    |    |            |    | Sa, 1. Nov  |
| So, 2. Nov  |               | 04:21*–05:28*              | 1h 06m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 15:30      | 02:52      | 05:26                      | 40m        | 06:06 | 40m        | 06:47 | 39m        | 07:26      | 9h 25m     | 16:52                   | 39m        | 17:31 | 40m        | 18:11 | 40m        | 18:51    | 14h 36m                    | 10h 36m    |    |            |    | So, 2. Nov  |
| Mo, 3. Nov  |               | —:—:—:—                    | –       | Mond stört                          |      | 15:40      | 04:21      | 05:28                      | 40m        | 06:08 | 40m        | 06:49 | 39m        | 07:28      | 9h 21m     | 16:50                   | 39m        | 17:29 | 40m        | 18:09 | 40m        | 18:50    | 14h 40m                    | 10h 39m    |    |            |    | Mo, 3. Nov  |
| Di, 4. Nov  |               | —:—:—:—                    | –       | Mond stört                          |      | 15:53      | 05:54      | 05:29                      | 40m        | 06:10 | 40m        | 06:50 | 39m        | 07:30      | 9h 17m     | 16:48                   | 39m        | 17:27 | 40m        | 18:08 | 40m        | 18:48    | 14h 43m                    | 10h 42m    |    |            |    | Di, 4. Nov  |
| Mi, 5. Nov  |               | —:—:—:—                    | –       | Mond stört                          | ☾    | 16:10      | 07:33      | 05:31                      | 40m        | 06:11 | 40m        | 06:52 | 39m        | 07:32      | 9h 14m     | 16:46                   | 39m        | 17:26 | 40m        | 18:06 | 40m        | 18:47    | 14h 47m                    | 10h 45m    |    |            |    | Mi, 5. Nov  |
| Do, 6. Nov  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 16:35      | 09:14      | 05:32                      | 40m        | 06:13 | 40m        | 06:54 | 39m        | 07:34      | 9h 10m     | 16:44                   | 39m        | 17:24 | 40m        | 18:05 | 40m        | 18:45    | 14h 51m                    | 10h 48m    |    |            |    | Do, 6. Nov  |
| Fr, 7. Nov  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 17:15      | 10:49      | 05:34                      | 40m        | 06:15 | 40m        | 06:55 | 40m        | 07:36      | 9h 06m     | 16:42                   | 39m        | 17:22 | 40m        | 18:03 | 40m        | 18:44    | 14h 55m                    | 10h 51m    |    |            |    | Fr, 7. Nov  |
| Sa, 8. Nov  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 18:14      | 12:08      | 05:36                      | 40m        | 06:16 | 40m        | 06:57 | 40m        | 07:37      | 9h 03m     | 16:41                   | 40m        | 17:21 | 40m        | 18:02 | 40m        | 18:42    | 14h 58m                    | 10h 54m    |    |            |    | Sa, 8. Nov  |
| So, 9. Nov  |               | 18:41–19:34                | 52m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 19:34      | 13:02      | 05:37                      | 40m        | 06:18 | 41m        | 06:59 | 40m        | 07:39      | 8h 59m     | 16:39                   | 40m        | 17:19 | 41m        | 18:00 | 40m        | 18:41    | 15h 02m                    | 10h 57m    |    |            |    | So, 9. Nov  |
| Mo, 10. Nov |               | 18:39–21:02                | 2h 22m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 21:02      | 13:36      | 05:39                      | 40m        | 06:19 | 41m        | 07:01 | 40m        | 07:41      | 8h 56m     | 16:37                   | 40m        | 17:18 | 41m        | 17:59 | 40m        | 18:39    | 15h 05m                    | 11h 00m    |    |            |    | Mo, 10. Nov |
| Di, 11. Nov |               | 18:38–22:30                | 3h 51m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 22:30      | 13:58      | 05:40                      | 40m        | 06:21 | 41m        | 07:02 | 40m        | 07:43      | 8h 52m     | 16:36                   | 40m        | 17:16 | 41m        | 17:57 | 40m        | 18:38    | 15h 09m                    | 11h 03m    |    |            |    | Di, 11. Nov |
| Mi, 12. Nov |               | 18:37–23:53                | 5h 16m  | AN <sub>+</sub> bis M <sub>7</sub>  | ☾    | 23:53      | 14:12      | 05:42                      | 40m        | 06:23 | 41m        | 07:04 | 40m        | 07:45      | 8h 49m     | 16:34                   | 40m        | 17:15 | 41m        | 17:56 | 40m        | 18:37    | 15h 12m                    | 11h 06m    |    |            |    | Mi, 12. Nov |
| Do, 13. Nov |               | 18:36–01:11*               | 6h 35m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | —:—        | 14:23      | 05:43                      | 40m        | 06:24 | 41m        | 07:06 | 40m        | 07:47      | 8h 45m     | 16:32                   | 40m        | 17:13 | 41m        | 17:55 | 40m        | 18:36    | 15h 16m                    | 11h 09m    |    |            |    | Do, 13. Nov |
| Fr, 14. Nov |               | 18:34–02:27*               | 7h 52m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 01:11      | 14:32      | 05:45                      | 40m        | 06:26 | 41m        | 07:07 | 41m        | 07:49      | 8h 42m     | 16:31                   | 41m        | 17:12 | 41m        | 17:53 | 40m        | 18:34    | 15h 19m                    | 11h 12m    |    |            |    | Fr, 14. Nov |
| Sa, 15. Nov |               | 18:33–03:40*               | 9h 07m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 02:27      | 14:40      | 05:46                      | 40m        | 06:27 | 41m        | 07:09 | 41m        | 07:50      | 8h 38m     | 16:29                   | 41m        | 17:11 | 41m        | 17:52 | 40m        | 18:33    | 15h 22m                    | 11h 14m    |    |            |    | Sa, 15. Nov |
| So, 16. Nov |               | 18:32–04:54*               | 10h 21m | AN <sub>+</sub> bis M <sub>7</sub>  |      | 03:40      | 14:48      | 05:48                      | 41m        | 06:29 | 41m        | 07:11 | 41m        | 07:52      | 8h 35m     | 16:28                   | 41m        | 17:09 | 41m        | 17:51 | 40m        | 18:32    | 15h 26m                    | 11h 17m    |    |            |    | So, 16. Nov |
| Mo, 17. Nov |               | 18:31–05:51*               | 11h 19m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 04:54      | 14:57      | 05:49                      | 41m        | 06:31 | 41m        | 07:12 | 41m        | 07:54      | 8h 32m     | 16:26                   | 41m        | 17:08 | 41m        | 17:50 | 41m        | 18:31    | 15h 29m                    | 11h 19m    |    |            |    | Mo, 17. Nov |
| Di, 18. Nov |               | 18:30–05:52*               | 11h 22m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 06:08      | 15:08      | 05:51                      | 41m        | 06:32 | 42m        | 07:14 | 41m        | 07:56      | 8h 29m     | 16:25                   | 41m        | 17:07 | 41m        | 17:49 | 41m        | 18:30    | 15h 32m                    | 11h 22m    |    |            |    | Di, 18. Nov |
| Mi, 19. Nov |               | 18:29–05:54*               | 11h 24m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 07:24      | 15:23      | 05:52                      | 41m        | 06:34 | 42m        | 07:16 | 41m        | 07:58      | 8h 26m     | 16:24                   | 41m        | 17:06 | 42m        | 17:48 | 41m        | 18:29    | 15h 35m                    | 11h 24m    |    |            |    | Mi, 19. Nov |
| Do, 20. Nov |               | 18:28–05:55*               | 11h 27m | AN <sub>+</sub> bis AN <sub>\</sub> | ☾    | 08:40      | 15:43      | 05:54                      | 41m        | 06:35 | 42m        | 07:17 | 42m        | 07:59      | 8h 23m     | 16:22                   | 42m        | 17:05 | 42m        | 17:47 | 41m        | 18:28    | 15h 38m                    | 11h 27m    |    |            |    | Do, 20. Nov |
| Fr, 21. Nov |               | 18:27–05:57*               | 11h 29m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 09:52      | 16:13      | 05:55                      | 41m        | 06:37 | 42m        | 07:19 | 42m        | 08:01      | 8h 20m     | 16:21                   | 42m        | 17:04 | 42m        | 17:46 | 41m        | 18:27    | 15h 41m                    | 11h 29m    |    |            |    | Fr, 21. Nov |
| Sa, 22. Nov |               | 18:26–05:58*               | 11h 31m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 10:55      | 16:57      | 05:57                      | 41m        | 06:38 | 42m        | 07:21 | 42m        | 08:03      | 8h 17m     | 16:20                   | 42m        | 17:02 | 42m        | 17:45 | 41m        | 18:26    | 15h 44m                    | 11h 31m    |    |            |    | Sa, 22. Nov |
| So, 23. Nov |               | 18:25–05:59*               | 11h 33m | AN <sub>+</sub> bis AN <sub>\</sub> |      | 11:44      | 17:55      | 05:58                      | 41m        | 06:40 | 42m        | 07:22 | 42m        | 08:05      | 8h 14m     | 16:19                   | 42m        | 17:01 | 42m        | 17:44 | 41m        | 18:25    | 15h 47m                    | 11h 33m    |    |            |    | So, 23. Nov |
| Mo, 24. Nov |               | 19:06–06:01*               | 10h 55m | M <sub>\</sub> bis AN <sub>\</sub>  |      | 12:20      | 19:06      | 05:59                      | 41m        | 06:41 | 42m        | 07:24 | 42m        | 08:06      | 8h 11m     | 16:18                   | 42m        | 17:01 | 42m        | 17:43 | 41m        | 18:25    | 15h 50m                    | 11h 36m    |    |            |    | Mo, 24. Nov |
| Di, 25. Nov |               | 20:24–06:02*               | 9h 38m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 12:45      | 20:24      | 06:01                      | 41m        | 06:42 | 42m        | 07:25 | 42m        | 08:08      | 8h 08m     | 16:17                   | 42m        | 17:00 | 42m        | 17:42 | 41m        | 18:24    | 15h 52m                    | 11h 38m    |    |            |    | Di, 25. Nov |
| Mi, 26. Nov |               | 21:44–06:03*               | 8h 18m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 13:02      | 21:44      | 06:02                      | 41m        | 06:44 | 42m        | 07:27 | 43m        | 08:10      | 8h 06m     | 16:16                   | 43m        | 16:59 | 42m        | 17:42 | 41m        | 18:23    | 15h 55m                    | 11h 40m    |    |            |    | Mi, 26. Nov |
| Do, 27. Nov |               | 23:06–06:05*               | 6h 58m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 13:15      | 23:06      | 06:03                      | 41m        | 06:45 | 42m        | 07:28 | 43m        | 08:11      | 8h 03m     | 16:15                   | 43m        | 16:58 | 42m        | 17:41 | 41m        | 18:23    | 15h 58m                    | 11h 41m    |    |            |    | Do, 27. Nov |
| Fr, 28. Nov |               | 00:28*–06:06*              | 5h 37m  | M <sub>\</sub> bis AN <sub>\</sub>  | ☾    | 13:26      | —:—        | 06:05                      | 41m        | 06:46 | 43m        | 07:29 | 43m        | 08:13      | 8h 01m     | 16:14                   | 43m        | 16:57 | 43m        | 17:40 | 41m        | 18:22    | 16h 00m                    | 11h 43m    |    |            |    | Fr, 28. Nov |
| Sa, 29. Nov |               | 01:52*–06:07*              | 4h 15m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 13:36      | 00:28      | 06:06                      | 41m        | 06:48 | 43m        | 07:31 | 43m        | 08:14      | 7h 58m     | 16:13                   | 43m        | 16:57 | 43m        | 17:40 | 41m        | 18:22    | 16h 02m                    | 11h 45m    |    |            |    | Sa, 29. Nov |
| So, 30. Nov |               | 03:20*–06:08*              | 2h 48m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 13:45      | 01:52      | 06:07                      | 41m        | 06:49 | 43m        | 07:32 | 43m        | 08:16      | 7h 56m     | 16:12                   | 43m        | 16:56 | 43m        | 17:39 | 41m        | 18:21    | 16h 05m                    | 11h 47m    |    |            |    | So, 30. Nov |
| Mo, 1. Dez  |               | 04:52*–06:10*              | 1h 17m  | M <sub>\</sub> bis AN <sub>\</sub>  |      | 13:57      | 03:20      | 06:08                      | 41m        | 06:50 | 43m        | 07:34 | 43m        | 08:17      | 7h 54m     | 16:12                   | 43m        | 16:55 | 43m        | 17:39 | 41m        | 18:21    | 16h 07m                    | 11h 48m    |    |            |    | Mo, 1. Dez  |
| Di, 2. Dez  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 14:11      | 04:52      | 06:10                      | 41m        | 06:52 | 43m        | 07:35 | 43m        | 08:19      | 7h 51m     | 16:11                   | 43m        | 16:55 | 43m        | 17:38 | 41m        | 18:20    | 16h 09m                    | 11h 50m    |    |            |    | Di, 2. Dez  |
| Mi, 3. Dez  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 14:31      | 06:30      | 06:11                      | 42m        | 06:53 | 43m        | 07:36 | 44m        | 08:20      | 7h 49m     | 16:10                   | 44m        | 16:54 | 43m        | 17:38 | 42m        | 18:20    | 16h 11m                    | 11h 51m    |    |            |    | Mi, 3. Dez  |
| Do, 4. Dez  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 15:03      | 08:09      | 06:12                      | 42m        | 06:54 | 43m        | 07:38 | 44m        | 08:22      | 7h 47m     | 16:10                   | 44m        | 16:54 | 43m        | 17:37 | 42m        | 18:20    | 16h 13m                    | 11h 53m    |    |            |    | Do, 4. Dez  |
| Fr, 5. Dez  |               | —:~:~:~:~                  | –       | Mond stört                          | ☾    | 15:53      | 09:39      | 06:13                      | 42m        | 06:55 | 43m        | 07:39 | 44m        | 08:23      | 7h 46m     | 16:09                   | 44m        | 16:53 | 43m        | 17:37 | 42m        | 18:19    | 16h 15m                    | 11h 54m    |    |            |    | Fr, 5. Dez  |
| Sa, 6. Dez  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 17:05      | 10:47      | 06:14                      | 42m        | 06:56 | 43m        | 07:40 | 44m        | 08:24      | 7h 44m     | 16:09                   | 44m        | 16:53 | 43m        | 17:37 | 42m        | 18:19    | 16h 16m                    | 11h 55m    |    |            |    | Sa, 6. Dez  |
| So, 7. Dez  |               | 18:19–18:33                | 14m     | AN <sub>+</sub> bis M <sub>7</sub>  |      | 18:33      | 11:32      | 06:15                      | 42m        | 06:57 | 43m        | 07:41 | 44m        | 08:26      | 7h 42m     | 16:08                   | 44m        | 16:53 | 43m        | 17:37 | 42m        | 18:19    | 16h 18m                    | 11h 57m    |    |            |    | So, 7. Dez  |
| Mo, 8. Dez  |               | 18:19–20:05                | 1h 46m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 20:05      | 11:59      | 06:16                      | 42m        | 06:58 | 43m        | 07:42 | 44m        | 08:27      | 7h 41m     | 16:08                   | 44m        | 16:53 | 43m        | 17:37 | 42m        | 18:19    | 16h 20m                    | 11h 58m    |    |            |    | Mo, 8. Dez  |
| Di, 9. Dez  |               | 18:19–21:34                | 3h 15m  | AN <sub>+</sub> bis M <sub>7</sub>  |      | 21:34      | 12:17      | 06:17                      | 42m        | 06:59 | 43m        | 07:43 | 44m        | 08:28      |            |                         |            |       |            |       |            |          |                            |            |    |            |    |             |



| 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          |
|-------------|---------------|----------------------------|---------|-------------------------------------|------|------------|------------|----------------------------|------------|-------|------------|-------|------------|------------|------------|-------------------------|------------|-------|------------|-------|------------|----------|----------------------------|------------|----|------------|----|-------------|
| 2025/26     | Zeit-<br>zone | Astr. dunkel und kein Mond |         |                                     | Mond |            |            | Beginn der Morgendämmerung |            |       |            |       | Sonne      |            |            | Ende der Abenddämmerung |            |       |            |       | Nacht      | Astr. N. | Naut. dunkel und kein Mond |            |    | 2025/26    |    |             |
|             |               | $\Delta t$                 |         |                                     | Ph.  | $\nearrow$ | $\searrow$ | Astr.                      | $\Delta t$ | Naut. | $\Delta t$ | Bürg. | $\Delta t$ | $\nearrow$ | $\Delta t$ | $\searrow$              | $\Delta t$ | Bürg. | $\Delta t$ | Naut. | $\Delta t$ | Astr.    | $\Delta t$                 | $\Delta t$ |    | $\Delta t$ |    |             |
| Mi, 17. Dez |               | 18:20–06:24*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 06:28      | 13:48      | 06:24                      | 42m        | 07:06 | 44m        | 07:50 | 45m        | 08:36      | 7h 32m     | 16:08                   | 45m        | 16:53 | 44m        | 17:37 | 42m        | 18:20    | 16h 28m                    | 12h 04m    |    |            |    | Mi, 17. Dez |
| Do, 18. Dez |               | 18:20–06:25*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:41      | 14:15      | 06:24                      | 42m        | 07:07 | 44m        | 07:51 | 45m        | 08:36      | 7h 31m     | 16:08                   | 45m        | 16:53 | 44m        | 17:38 | 42m        | 18:20    | 16h 29m                    | 12h 04m    |    |            |    | Do, 18. Dez |
| Fr, 19. Dez |               | 18:21–06:25*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 08:48      | 14:54      | 06:25                      | 42m        | 07:07 | 44m        | 07:52 | 45m        | 08:37      | 7h 31m     | 16:08                   | 45m        | 16:54 | 44m        | 17:38 | 42m        | 18:21    | 16h 29m                    | 12h 04m    |    |            |    | Fr, 19. Dez |
| Sa, 20. Dez |               | 18:21–06:26*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> | ●    | 09:42      | 15:48      | 06:25                      | 42m        | 07:08 | 44m        | 07:52 | 45m        | 08:38      | 7h 31m     | 16:09                   | 45m        | 16:54 | 44m        | 17:39 | 42m        | 18:21    | 16h 29m                    | 12h 04m    |    |            |    | Sa, 20. Dez |
| So, 21. Dez |               | 18:22–06:26*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 10:21      | 16:56      | 06:26                      | 42m        | 07:09 | 44m        | 07:53 | 45m        | 08:38      | 7h 30m     | 16:09                   | 45m        | 16:55 | 44m        | 17:39 | 42m        | 18:22    | 16h 29m                    | 12h 04m    |    |            |    | So, 21. Dez |
| Mo, 22. Dez |               | 18:22–06:27*               | 12h 04m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 10:49      | 18:13      | 06:26                      | 42m        | 07:09 | 44m        | 07:53 | 45m        | 08:39      | 7h 31m     | 16:10                   | 45m        | 16:55 | 44m        | 17:40 | 42m        | 18:22    | 16h 29m                    | 12h 04m    |    |            |    | Mo, 22. Dez |
| Di, 23. Dez |               | 19:33–06:27*               | 10h 53m | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:08      | 19:33      | 06:27                      | 42m        | 07:09 | 44m        | 07:54 | 45m        | 08:39      | 7h 31m     | 16:10                   | 45m        | 16:56 | 44m        | 17:40 | 42m        | 18:23    | 16h 29m                    | 12h 04m    |    |            |    | Di, 23. Dez |
| Mi, 24. Dez |               | 20:54–06:28*               | 9h 33m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:22      | 20:54      | 06:27                      | 42m        | 07:10 | 44m        | 07:54 | 45m        | 08:40      | 7h 31m     | 16:11                   | 45m        | 16:56 | 44m        | 17:41 | 42m        | 18:23    | 16h 28m                    | 12h 04m    |    |            |    | Mi, 24. Dez |
| Do, 25. Dez |               | 22:15–06:28*               | 8h 13m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:33      | 22:15      | 06:28                      | 42m        | 07:10 | 44m        | 07:55 | 45m        | 08:40      | 7h 31m     | 16:12                   | 45m        | 16:57 | 44m        | 17:41 | 42m        | 18:24    | 16h 28m                    | 12h 04m    |    |            |    | Do, 25. Dez |
| Fr, 26. Dez |               | 23:36–06:28*               | 6h 52m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 11:43      | 23:36      | 06:28                      | 42m        | 07:11 | 44m        | 07:55 | 45m        | 08:40      | 7h 32m     | 16:12                   | 45m        | 16:58 | 44m        | 17:42 | 42m        | 18:25    | 16h 27m                    | 12h 03m    |    |            |    | Fr, 26. Dez |
| Sa, 27. Dez |               | 00:59*–06:29*              | 5h 29m  | M <sub>\</sub> bis AN <sub>-</sub>  | ◐    | 11:52      | —:—        | 06:28                      | 42m        | 07:11 | 44m        | 07:55 | 45m        | 08:40      | 7h 33m     | 16:13                   | 45m        | 16:59 | 44m        | 17:43 | 42m        | 18:25    | 16h 27m                    | 12h 03m    |    |            |    | Sa, 27. Dez |
| So, 28. Dez |               | 02:26*–06:29*              | 4h 03m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 12:02      | 00:59      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 45m        | 08:40      | 7h 33m     | 16:14                   | 45m        | 16:59 | 44m        | 17:44 | 42m        | 18:26    | 16h 26m                    | 12h 02m    |    |            |    | So, 28. Dez |
| Mo, 29. Dez |               | 03:57*–06:29*              | 2h 31m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 12:15      | 02:26      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 45m        | 08:40      | 7h 34m     | 16:15                   | 45m        | 17:00 | 44m        | 17:44 | 42m        | 18:27    | 16h 25m                    | 12h 01m    |    |            |    | Mo, 29. Dez |
| Di, 30. Dez |               | 05:33*–06:29*              | 55m     | M <sub>\</sub> bis AN <sub>-</sub>  |      | 12:31      | 03:57      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 45m        | 08:40      | 7h 35m     | 16:16                   | 45m        | 17:01 | 44m        | 17:45 | 42m        | 18:28    | 16h 24m                    | 12h 01m    |    |            |    | Di, 30. Dez |
| Mi, 31. Dez |               | —:—:—:—                    | –       | Mond stört                          |      | 12:56      | 05:33      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 44m        | 08:40      | 7h 36m     | 16:17                   | 44m        | 17:02 | 44m        | 17:46 | 42m        | 18:29    | 16h 23m                    | 12h 00m    |    |            |    | Mi, 31. Dez |
| Do, 1. Jan  |               | —:—:—:—                    | –       | Mond stört                          |      | 13:34      | 07:06      | 06:29                      | 42m        | 07:11 | 44m        | 07:55 | 44m        | 08:40      | 7h 37m     | 16:18                   | 44m        | 17:03 | 44m        | 17:47 | 42m        | 18:30    | 16h 21m                    | 11h 59m    |    |            |    | Do, 1. Jan  |
| Fr, 2. Jan  |               | —:—:—:—                    | –       | Mond stört                          |      | 14:35      | 08:25      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:40      | 7h 39m     | 16:19                   | 44m        | 17:04 | 43m        | 17:48 | 42m        | 18:30    | 16h 20m                    | 11h 58m    |    |            |    | Fr, 2. Jan  |
| Sa, 3. Jan  |               | —:~:~:~:~                  | –       | Mond stört                          | ○    | 15:57      | 09:21      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:40      | 7h 40m     | 16:21                   | 44m        | 17:05 | 43m        | 17:49 | 42m        | 18:31    | 16h 19m                    | 11h 57m    |    |            |    | Sa, 3. Jan  |
| So, 4. Jan  |               | —:~:~:~:~                  | –       | Mond stört                          |      | 17:30      | 09:57      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:40      | 7h 42m     | 16:22                   | 44m        | 17:06 | 43m        | 17:50 | 42m        | 18:32    | 16h 17m                    | 11h 56m    |    |            |    | So, 4. Jan  |
| Mo, 5. Jan  |               | 18:33–19:03                | 29m     | AN <sub>+</sub> bis M <sub>\</sub>  |      | 19:03      | 10:19      | 06:29                      | 42m        | 07:11 | 43m        | 07:55 | 44m        | 08:39      | 7h 43m     | 16:23                   | 44m        | 17:08 | 43m        | 17:51 | 42m        | 18:33    | 16h 15m                    | 11h 55m    |    |            |    | Mo, 5. Jan  |
| Di, 6. Jan  |               | 18:35–20:31                | 1h 56m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | 20:31      | 10:34      | 06:29                      | 42m        | 07:11 | 43m        | 07:54 | 44m        | 08:39      | 7h 45m     | 16:24                   | 44m        | 17:09 | 43m        | 17:52 | 42m        | 18:35    | 16h 13m                    | 11h 53m    |    |            |    | Di, 6. Jan  |
| Mi, 7. Jan  |               | 18:36–21:54                | 3h 17m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | 21:54      | 10:45      | 06:28                      | 42m        | 07:10 | 43m        | 07:54 | 44m        | 08:38      | 7h 47m     | 16:26                   | 44m        | 17:10 | 43m        | 17:54 | 42m        | 18:36    | 16h 12m                    | 11h 52m    |    |            |    | Mi, 7. Jan  |
| Do, 8. Jan  |               | 18:37–23:12                | 4h 34m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | 23:12      | 10:55      | 06:28                      | 42m        | 07:10 | 43m        | 07:54 | 44m        | 08:38      | 7h 49m     | 16:27                   | 44m        | 17:11 | 43m        | 17:55 | 42m        | 18:37    | 16h 10m                    | 11h 50m    |    |            |    | Do, 8. Jan  |
| Fr, 9. Jan  |               | 18:38–00:28*               | 5h 49m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | —:—        | 11:03      | 06:28                      | 41m        | 07:10 | 43m        | 07:53 | 43m        | 08:37      | 7h 51m     | 16:29                   | 43m        | 17:13 | 43m        | 17:56 | 42m        | 18:38    | 16h 07m                    | 11h 49m    |    |            |    | Fr, 9. Jan  |
| Sa, 10. Jan |               | 18:39–01:43*               | 7h 03m  | AN <sub>+</sub> bis M <sub>\</sub>  | ◑    | 00:28      | 11:12      | 06:27                      | 41m        | 07:09 | 43m        | 07:53 | 43m        | 08:36      | 7h 53m     | 16:30                   | 43m        | 17:14 | 43m        | 17:57 | 41m        | 18:39    | 16h 05m                    | 11h 47m    |    |            |    | Sa, 10. Jan |
| So, 11. Jan |               | 18:40–02:58*               | 8h 17m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | 01:43      | 11:22      | 06:27                      | 41m        | 07:09 | 43m        | 07:52 | 43m        | 08:36      | 7h 55m     | 16:32                   | 43m        | 17:15 | 43m        | 17:59 | 41m        | 18:40    | 16h 03m                    | 11h 46m    |    |            |    | So, 11. Jan |
| Mo, 12. Jan |               | 18:42–04:14*               | 9h 32m  | AN <sub>+</sub> bis M <sub>\</sub>  |      | 02:58      | 11:34      | 06:26                      | 41m        | 07:08 | 43m        | 07:51 | 43m        | 08:35      | 7h 58m     | 16:33                   | 43m        | 17:17 | 43m        | 18:00 | 41m        | 18:42    | 16h 01m                    | 11h 44m    |    |            |    | Mo, 12. Jan |
| Di, 13. Jan |               | 18:43–05:29*               | 10h 45m | AN <sub>+</sub> bis M <sub>\</sub>  |      | 04:14      | 11:51      | 06:26                      | 41m        | 07:08 | 43m        | 07:51 | 43m        | 08:34      | 8h 00m     | 16:35                   | 43m        | 17:18 | 43m        | 18:01 | 41m        | 18:43    | 15h 58m                    | 11h 42m    |    |            |    | Di, 13. Jan |
| Mi, 14. Jan |               | 18:44–06:25*               | 11h 40m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 05:29      | 12:15      | 06:25                      | 41m        | 07:07 | 42m        | 07:50 | 43m        | 08:33      | 8h 02m     | 16:36                   | 43m        | 17:20 | 43m        | 18:03 | 41m        | 18:44    | 15h 56m                    | 11h 40m    |    |            |    | Mi, 14. Jan |
| Do, 15. Jan |               | 18:46–06:24*               | 11h 38m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 06:38      | 12:49      | 06:25                      | 41m        | 07:06 | 42m        | 07:49 | 43m        | 08:32      | 8h 05m     | 16:38                   | 43m        | 17:21 | 42m        | 18:04 | 41m        | 18:46    | 15h 53m                    | 11h 38m    |    |            |    | Do, 15. Jan |
| Fr, 16. Jan |               | 18:47–06:23*               | 11h 36m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 07:37      | 13:38      | 06:24                      | 41m        | 07:06 | 42m        | 07:49 | 42m        | 08:31      | 8h 08m     | 16:40                   | 42m        | 17:23 | 42m        | 18:05 | 41m        | 18:47    | 15h 50m                    | 11h 36m    |    |            |    | Fr, 16. Jan |
| Sa, 17. Jan |               | 18:48–06:23*               | 11h 34m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 08:21      | 14:43      | 06:23                      | 41m        | 07:05 | 42m        | 07:48 | 42m        | 08:30      | 8h 10m     | 16:41                   | 42m        | 17:24 | 42m        | 18:07 | 41m        | 18:48    | 15h 48m                    | 11h 34m    |    |            |    | Sa, 17. Jan |
| So, 18. Jan |               | 18:50–06:22*               | 11h 32m | AN <sub>+</sub> bis AN <sub>-</sub> | ●    | 08:53      | 15:59      | 06:23                      | 41m        | 07:04 | 42m        | 07:47 | 42m        | 08:29      | 8h 13m     | 16:43                   | 42m        | 17:26 | 42m        | 18:08 | 41m        | 18:50    | 15h 45m                    | 11h 32m    |    |            |    | So, 18. Jan |
| Mo, 19. Jan |               | 18:51–06:21*               | 11h 29m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 09:14      | 17:20      | 06:22                      | 41m        | 07:03 | 42m        | 07:46 | 42m        | 08:28      | 8h 16m     | 16:45                   | 42m        | 17:27 | 42m        | 18:10 | 41m        | 18:51    | 15h 42m                    | 11h 29m    |    |            |    | Mo, 19. Jan |
| Di, 20. Jan |               | 18:53–06:20*               | 11h 27m | AN <sub>+</sub> bis AN <sub>-</sub> |      | 09:30      | 18:42      | 06:21                      | 41m        | 07:02 | 42m        | 07:45 | 42m        | 08:27      | 8h 19m     | 16:47                   | 42m        | 17:29 | 42m        | 18:11 | 41m        | 18:53    | 15h 39m                    | 11h 27m    |    |            |    | Di, 20. Jan |
| Mi, 21. Jan |               | 20:03–06:19*               | 10h 15m | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:42      | 20:03      | 06:20                      | 41m        | 07:02 | 42m        | 07:44 | 42m        | 08:26      | 8h 22m     | 16:48                   | 42m        | 17:31 | 42m        | 18:13 | 41m        | 18:54    | 15h 36m                    | 11h 25m    |    |            |    | Mi, 21. Jan |
| Do, 22. Jan |               | 21:25–06:18*               | 8h 53m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 09:52      | 21:25      | 06:19                      | 41m        | 07:01 | 42m        | 07:43 | 41m        | 08:25      | 8h 25m     | 16:50                   | 41m        | 17:32 | 42m        | 18:14 | 41m        | 18:56    | 15h 33m                    | 11h 22m    |    |            |    | Do, 22. Jan |
| Fr, 23. Jan |               | 22:47–06:17*               | 7h 30m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:01      | 22:47      | 06:18                      | 41m        | 07:00 | 42m        | 07:42 | 41m        | 08:23      | 8h 28m     | 16:52                   | 41m        | 17:34 | 42m        | 18:16 | 41m        | 18:57    | 15h 29m                    | 11h 20m    |    |            |    | Fr, 23. Jan |
| Sa, 24. Jan |               | 00:11*–06:16*              | 6h 05m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:10      | —:—        | 06:17                      | 41m        | 06:58 | 41m        | 07:40 | 41m        | 08:22      | 8h 31m     | 16:54                   | 41m        | 17:36 | 41m        | 18:17 | 41m        | 18:59    | 15h 26m                    | 11h 17m    |    |            |    | Sa, 24. Jan |
| So, 25. Jan |               | 01:39*–06:15*              | 4h 35m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:21      | 00:11      | 06:16                      | 41m        | 06:57 | 41m        | 07:39 | 41m        | 08:21      | 8h 35m     | 16:56                   | 41m        | 17:37 | 41m        | 18:19 | 41m        | 19:00    | 15h 23m                    | 11h 15m    |    |            |    | So, 25. Jan |
| Mo, 26. Jan |               | 03:11*–06:14*              | 3h 02m  | M <sub>\</sub> bis AN <sub>-</sub>  | ◒    | 10:35      | 01:39      | 06:15                      | 40m        | 06:56 | 41m        | 07:38 | 41m        | 08:19      | 8h 38m     | 16:58                   | 41m        | 17:39 | 41m        | 18:21 | 40m        | 19:02    | 15h 20m                    | 11h 12m    |    |            |    | Mo, 26. Jan |
| Di, 27. Jan |               | 04:43*–06:13*              | 1h 29m  | M <sub>\</sub> bis AN <sub>-</sub>  |      | 10:56      | 03:11      | 06:14                      | 40m        | 06:55 | 41m        | 07:37 | 41m        | 08:18      | 8h 41m     | 17:00                   | 41m        | 17:41 | 41m        | 18:22 | 40m        | 19:03    | 15h 16m                    | 11h 09m    |    |            |    | Di, 27. Jan |
| Mi, 28. Jan |               | 06:06*–                    |         |                                     |      |            |            |                            |            |       |            |       |            |            |            |                         |            |       |            |       |            |          |                            |            |    |            |    |             |