# Mond- und Dämmerungstabelle 2023

für die visuelle Deep-Sky-Beobachtung

**Dillingen an der Donau** 48.5769° N 10.4939° E

Berechnung: pyEphem
Textsatz: LaTeX

**Atmosphären-Einstellungen in pyEphem**

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

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

**Spalte 1** Kalendertag.
**Spalte 2** Bei »MESZ« sind alle Zeitangaben in dieser Zeile in Mitteleuropäischer Sommerzeit, ansonsten standardmäßig in MEZ.
**Spalte 3** Die für Deep-Sky-Beobachtungen nutzbare Zeitspanne: Es ist astronomisch dunkel (Sonne steht tiefer als $-18°$) und kein Mond stört.
**Spalte 4** Dauer der für Deep-Sky-Beobachtungen nutzbaren Zeitspanne.
**Spalte 5** Ereignisse, die die für Deep-Sky-Beobachtungen nutzbare Zeitspanne begrenzen: $AN_+$ (*Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung*), $M_\searrow$ (*Monduntergang*), $AN_-$ (*Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung*), $M_\nearrow$ (*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 = $-18°_\nearrow$).
**Spalte 10** Dauer der astr. Morgendämmerung.
**Spalte 11** Beginn der naut. Morgendämmerung (Sonnenhöhe = $-12°_\nearrow$).
**Spalte 12** Dauer der naut. Morgendämmerung.
**Spalte 13** Beginn der bürg. Morgendämmerung (Sonnenhöhe = $-6°_\nearrow$).
**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 = $-6°_\searrow$).
**Spalte 20** Dauer der naut. Abenddämmerung.
**Spalte 21** Ende der naut. Abenddämmerung (Sonnenhöhe = $-12°_\searrow$).
**Spalte 22** Dauer der astr. Abenddämmerung.
**Spalte 23** Ende der astr. Abenddämmerung (Sonnenhöhe = $-18°_\searrow$).
**Spalte 24** Länge der Nacht.
**Spalte 25** Länge der astr. Nacht.

**Für Beobachter, die zu Zeiten der Mitternachtsdämmerung während der astr. Dämmerung beoachten möchten:**
**Spalte 26** Nutzbare Zeitspanne: Es ist »nautisch dunkel« (Sonne steht tiefer als $-12°$) und kein Mond stört.
**Spalte 27** Dauer der in Spalte 26 angegebenen Zeitspanne.
**Spalte 28** Ereignisse, die die nutzbare Zeitspanne begrenzen: $ND_+$ (*Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung*), $M_\searrow$ (*Monduntergang*), $ND_-$ (*Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung*), $M_\nearrow$ (*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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| So, 1. Jan | | 03:56* – 06:13* | 2h 17m | M↘ bis AN– | | 12:56 | 02:43 | 06:13 | 38m | 06:51 | 39m | 07:30 | 38m | 08:09 | 8h 23m | 16:33 | 38m | 17:12 | 39m | 17:51 | 38m | 18:29 | 15h 36m | 11h 44m | | | | So, 1. Jan |
| Mo, 2. Jan | | 05:08* – 06:13* | 1h 04m | M↘ bis AN– | | 13:16 | 03:56 | 06:13 | 38m | 06:51 | 39m | 07:30 | 38m | 08:09 | 8h 24m | 16:34 | 38m | 17:13 | 39m | 17:52 | 38m | 18:30 | 15h 35m | 11h 43m | | | | Mo, 2. Jan |
| Di, 3. Jan | | —:——:— | – | Mond stört | | 13:42 | 05:08 | 06:13 | 38m | 06:51 | 39m | 07:30 | 38m | 08:09 | 8h 25m | 16:35 | 38m | 17:14 | 39m | 17:53 | 38m | 18:31 | 15h 34m | 11h 42m | | | | Di, 3. Jan |
| Mi, 4. Jan | | —:——:— | – | Mond stört | | 14:14 | 06:18 | 06:13 | 38m | 06:51 | 38m | 07:30 | 38m | 08:09 | 8h 26m | 16:36 | 38m | 17:15 | 38m | 17:54 | 38m | 18:32 | 15h 33m | 11h 41m | | | | Mi, 4. Jan |
| Do, 5. Jan | | —:——:— | – | Mond stört | | 14:55 | 07:22 | 06:13 | 37m | 06:51 | 38m | 07:30 | 38m | 08:09 | 8h 27m | 16:37 | 38m | 17:16 | 38m | 17:54 | 37m | 18:32 | 15h 31m | 11h 40m | | | | Do, 5. Jan |
| Fr, 6. Jan | | —:——:— | – | Mond stört | | 15:46 | 08:17 | 06:13 | 37m | 06:51 | 38m | 07:30 | 38m | 08:09 | 8h 29m | 16:38 | 38m | 17:17 | 38m | 17:55 | 37m | 18:33 | 15h 30m | 11h 39m | | | | Fr, 6. Jan |
| Sa, 7. Jan | | —:——:— | – | Mond stört | ○ | 16:46 | 09:01 | 06:13 | 37m | 06:51 | 38m | 07:30 | 38m | 08:08 | 8h 30m | 16:39 | 38m | 17:18 | 38m | 17:57 | 37m | 18:34 | 15h 28m | 11h 38m | | | | Sa, 7. Jan |
| So, 8. Jan | | —:——:— | – | Mond stört | | 17:52 | 09:36 | 06:13 | 37m | 06:51 | 38m | 07:30 | 38m | 08:08 | 8h 32m | 16:40 | 38m | 17:19 | 38m | 17:58 | 37m | 18:35 | 15h 27m | 11h 37m | | | | So, 8. Jan |
| Mo, 9. Jan | | 18:36 – 19:00 | 23m | AN+ bis M↗ | | 19:00 | 10:03 | 06:13 | 37m | 06:51 | 38m | 07:29 | 38m | 08:08 | 8h 33m | 16:42 | 38m | 17:20 | 38m | 17:59 | 37m | 18:36 | 15h 25m | 11h 36m | | | | Mo, 9. Jan |
| Di, 10. Jan | | 18:38 – 20:09 | 1h 31m | AN+ bis M↗ | | 20:09 | 10:24 | 06:13 | 37m | 06:50 | 38m | 07:29 | 38m | 08:07 | 8h 35m | 16:43 | 38m | 17:21 | 38m | 18:00 | 37m | 18:38 | 15h 23m | 11h 34m | | | | Di, 10. Jan |
| Mi, 11. Jan | | 18:39 – 21:17 | 2h 38m | AN+ bis M↗ | | 21:17 | 10:41 | 06:12 | 37m | 06:50 | 38m | 07:29 | 38m | 08:07 | 8h 37m | 16:44 | 38m | 17:22 | 38m | 18:01 | 37m | 18:39 | 15h 22m | 11h 33m | | | | Mi, 11. Jan |
| Do, 12. Jan | | 18:40 – 22:25 | 3h 45m | AN+ bis M↗ | | 22:25 | 10:57 | 06:12 | 37m | 06:50 | 38m | 07:28 | 38m | 08:06 | 8h 39m | 16:45 | 38m | 17:24 | 38m | 18:02 | 37m | 18:40 | 15h 20m | 11h 31m | | | | Do, 12. Jan |
| Fr, 13. Jan | | 18:41 – 23:34 | 4h 53m | AN+ bis M↗ | | 23:34 | 11:11 | 06:12 | 37m | 06:49 | 38m | 07:28 | 37m | 08:06 | 8h 41m | 16:47 | 37m | 17:25 | 38m | 18:03 | 37m | 18:41 | 15h 18m | 11h 30m | | | | Fr, 13. Jan |
| Sa, 14. Jan | | 18:42 – 00:45* | 6h 03m | AN+ bis M↗ | | —:— | 11:25 | 06:11 | 37m | 06:49 | 38m | 07:27 | 37m | 08:05 | 8h 43m | 16:48 | 37m | 17:26 | 38m | 18:04 | 37m | 18:42 | 15h 16m | 11h 28m | | | | Sa, 14. Jan |
| So, 15. Jan | | 18:43 – 02:00* | 7h 16m | AN+ bis M↗ | ◑ | 00:45 | 11:41 | 06:11 | 37m | 06:48 | 38m | 07:27 | 37m | 08:04 | 8h 45m | 16:50 | 37m | 17:27 | 38m | 18:06 | 37m | 18:43 | 15h 14m | 11h 27m | | | | So, 15. Jan |
| Mo, 16. Jan | | 18:44 – 03:19* | 8h 34m | AN+ bis M↗ | | 02:00 | 12:00 | 06:10 | 37m | 06:48 | 38m | 07:26 | 37m | 08:04 | 8h 47m | 16:51 | 37m | 17:29 | 38m | 18:07 | 37m | 18:44 | 15h 12m | 11h 25m | | | | Mo, 16. Jan |
| Di, 17. Jan | | 18:46 – 04:42* | 9h 56m | AN+ bis M↗ | | 03:19 | 12:24 | 06:10 | 37m | 06:47 | 38m | 07:25 | 37m | 08:03 | 8h 49m | 16:52 | 37m | 17:30 | 38m | 18:08 | 37m | 18:46 | 15h 09m | 11h 23m | | | | Di, 17. Jan |
| Mi, 18. Jan | | 18:47 – 06:03* | 11h 16m | AN+ bis M↗ | | 04:42 | 12:57 | 06:09 | 37m | 06:47 | 38m | 07:25 | 37m | 08:02 | 8h 51m | 16:54 | 37m | 17:31 | 38m | 18:09 | 37m | 18:47 | 15h 07m | 11h 21m | | | | Mi, 18. Jan |
| Do, 19. Jan | | 18:48 – 06:08* | 11h 20m | AN+ bis AN– | | 06:03 | 13:43 | 06:09 | 37m | 06:46 | 37m | 07:24 | 37m | 08:01 | 8h 53m | 16:55 | 37m | 17:33 | 37m | 18:11 | 37m | 18:48 | 15h 05m | 11h 20m | | | | Do, 19. Jan |
| Fr, 20. Jan | | 18:49 – 06:07* | 11h 18m | AN+ bis AN– | | 07:17 | 14:47 | 06:08 | 37m | 06:45 | 37m | 07:23 | 37m | 08:00 | 8h 56m | 16:57 | 37m | 17:34 | 37m | 18:12 | 37m | 18:49 | 15h 02m | 11h 18m | | | | Fr, 20. Jan |
| Sa, 21. Jan | | 18:51 – 06:07* | 11h 16m | AN+ bis AN– | ● | 08:15 | 16:08 | 06:07 | 37m | 06:45 | 37m | 07:22 | 37m | 08:00 | 8h 58m | 16:58 | 37m | 17:35 | 37m | 18:13 | 37m | 18:51 | 15h 00m | 11h 16m | | | | Sa, 21. Jan |
| So, 22. Jan | | 18:52 – 06:06* | 11h 14m | AN+ bis AN– | | 08:57 | 17:37 | 06:07 | 37m | 06:44 | 37m | 07:22 | 36m | 07:59 | 9h 01m | 17:00 | 36m | 17:37 | 37m | 18:15 | 37m | 18:52 | 14h 57m | 11h 14m | | | | So, 22. Jan |
| Mo, 23. Jan | | 19:08 – 06:05* | 10h 57m | M↘ bis AN– | | 09:28 | 19:08 | 06:06 | 37m | 06:43 | 37m | 07:21 | 36m | 07:58 | 9h 03m | 17:01 | 36m | 17:38 | 37m | 18:16 | 37m | 18:53 | 14h 55m | 11h 12m | | | | Mo, 23. Jan |
| Di, 24. Jan | | 20:34 – 06:04* | 9h 30m | M↘ bis AN– | | 09:51 | 20:34 | 06:05 | 37m | 06:42 | 37m | 07:20 | 36m | 07:57 | 9h 06m | 17:03 | 36m | 17:40 | 37m | 18:17 | 37m | 18:54 | 14h 52m | 11h 09m | | | | Di, 24. Jan |
| Mi, 25. Jan | | 21:56 – 06:03* | 8h 07m | M↘ bis AN– | | 10:10 | 21:56 | 06:04 | 37m | 06:41 | 37m | 07:19 | 36m | 07:55 | 9h 09m | 17:05 | 36m | 17:41 | 37m | 18:19 | 37m | 18:56 | 14h 49m | 11h 07m | | | | Mi, 25. Jan |
| Do, 26. Jan | | 23:15 – 06:03* | 6h 47m | M↘ bis AN– | | 10:27 | 23:15 | 06:03 | 36m | 06:40 | 37m | 07:18 | 36m | 07:54 | 9h 11m | 17:06 | 36m | 17:43 | 37m | 18:20 | 37m | 18:57 | 14h 47m | 11h 05m | | | | Do, 26. Jan |
| Fr, 27. Jan | | 00:31* – 06:02* | 5h 30m | M↘ bis AN– | | 10:43 | —:— | 06:03 | 36m | 06:40 | 37m | 07:17 | 36m | 07:53 | 9h 14m | 17:08 | 36m | 17:44 | 37m | 18:21 | 36m | 18:58 | 14h 44m | 11h 03m | | | | Fr, 27. Jan |
| Sa, 28. Jan | | 01:46* – 06:01* | 4h 14m | M↘ bis AN– | ◐ | 11:01 | 00:31 | 06:02 | 36m | 06:39 | 37m | 07:16 | 36m | 07:52 | 9h 17m | 17:09 | 36m | 17:46 | 37m | 18:23 | 36m | 19:00 | 14h 41m | 11h 00m | | | | Sa, 28. Jan |
| So, 29. Jan | | 02:59* – 06:00* | 3h 00m | M↘ bis AN– | | 11:20 | 01:46 | 06:01 | 36m | 06:38 | 37m | 07:15 | 36m | 07:51 | 9h 20m | 17:11 | 36m | 17:47 | 37m | 18:24 | 36m | 19:01 | 14h 38m | 10h 58m | | | | So, 29. Jan |
| Mo, 30. Jan | | 04:10* – 05:59* | 1h 48m | M↘ bis AN– | | 11:44 | 02:59 | 06:00 | 36m | 06:36 | 37m | 07:14 | 36m | 07:50 | 9h 22m | 17:12 | 36m | 17:49 | 37m | 18:26 | 36m | 19:02 | 14h 35m | 10h 56m | | | | Mo, 30. Jan |
| Di, 31. Jan | | 05:16* – 05:58* | 41m | M↘ bis AN– | | 12:14 | 04:10 | 05:59 | 36m | 06:35 | 36m | 07:12 | 35m | 07:48 | 9h 25m | 17:14 | 35m | 17:50 | 37m | 18:27 | 36m | 19:04 | 14h 32m | 10h 53m | | | | Di, 31. Jan |
| Mi, 1. Feb | | —:——:— | – | Mond stört | | 12:52 | 05:16 | 05:58 | 36m | 06:34 | 36m | 07:11 | 35m | 07:47 | 9h 28m | 17:16 | 35m | 17:52 | 36m | 18:28 | 36m | 19:05 | 14h 29m | 10h 51m | | | | Mi, 1. Feb |
| Do, 2. Feb | | —:——:— | – | Mond stört | | 13:40 | 06:13 | 05:56 | 36m | 06:33 | 36m | 07:10 | 35m | 07:46 | 9h 31m | 17:17 | 35m | 17:53 | 36m | 18:30 | 36m | 19:07 | 14h 26m | 10h 48m | | | | Do, 2. Feb |
| Fr, 3. Feb | | —:——:— | – | Mond stört | | 14:38 | 07:01 | 05:55 | 36m | 06:32 | 36m | 07:09 | 35m | 07:44 | 9h 34m | 17:19 | 35m | 17:55 | 36m | 18:31 | 36m | 19:08 | 14h 23m | 10h 46m | | | | Fr, 3. Feb |
| Sa, 4. Feb | | —:——:— | – | Mond stört | | 15:42 | 07:38 | 05:54 | 36m | 06:31 | 36m | 07:07 | 35m | 07:43 | 9h 37m | 17:21 | 35m | 17:56 | 36m | 18:33 | 36m | 19:09 | 14h 20m | 10h 43m | | | | Sa, 4. Feb |
| So, 5. Feb | | —:——:— | – | Mond stört | ○ | 16:50 | 08:07 | 05:53 | 36m | 06:29 | 36m | 07:06 | 35m | 07:41 | 9h 40m | 17:22 | 35m | 17:58 | 36m | 18:34 | 36m | 19:11 | 14h 17m | 10h 40m | | | | So, 5. Feb |
| Mo, 6. Feb | | —:——:— | – | Mond stört | | 18:00 | 08:29 | 05:52 | 36m | 06:28 | 36m | 07:05 | 35m | 07:40 | 9h 43m | 17:24 | 35m | 17:59 | 36m | 18:36 | 36m | 19:12 | 14h 14m | 10h 37m | | | | Mo, 6. Feb |
| Di, 7. Feb | | —:——:— | – | Mond stört | | 19:08 | 08:48 | 05:50 | 36m | 06:27 | 36m | 07:03 | 35m | 07:38 | 9h 47m | 17:25 | 35m | 18:01 | 36m | 18:37 | 36m | 19:14 | 14h 11m | 10h 35m | | | | Di, 7. Feb |
| Mi, 8. Feb | | 19:15 – 20:17 | 1h 01m | AN+ bis M↗ | | 20:17 | 09:03 | 05:49 | 36m | 06:25 | 36m | 07:02 | 35m | 07:37 | 9h 50m | 17:27 | 35m | 18:02 | 36m | 18:39 | 36m | 19:15 | 14h 08m | 10h 32m | | | | Mi, 8. Feb |
| Do, 9. Feb | | 19:17 – 21:25 | 2h 08m | AN+ bis M↗ | | 21:25 | 09:18 | 05:48 | 36m | 06:24 | 36m | 07:00 | 34m | 07:35 | 9h 53m | 17:29 | 34m | 18:04 | 36m | 18:40 | 36m | 19:17 | 14h 04m | 10h 29m | | | | Do, 9. Feb |
| Fr, 10. Feb | | 19:18 – 22:35 | 3h 16m | AN+ bis M↗ | | 22:35 | 09:32 | 05:46 | 36m | 06:23 | 36m | 06:59 | 34m | 07:34 | 9h 56m | 17:30 | 34m | 18:05 | 36m | 18:42 | 36m | 19:18 | 14h 01m | 10h 26m | | | | Fr, 10. Feb |
| Sa, 11. Feb | | 19:19 – 23:47 | 4h 27m | AN+ bis M↗ | | 23:47 | 09:46 | 05:45 | 36m | 06:21 | 36m | 06:57 | 34m | 07:32 | 9h 59m | 17:32 | 34m | 18:07 | 36m | 18:43 | 36m | 19:19 | 13h 58m | 10h 23m | | | | Sa, 11. Feb |
| So, 12. Feb | | 19:21 – 01:02* | 5h 41m | AN+ bis M↗ | | —:— | 10:03 | 05:43 | 36m | 06:20 | 36m | 06:56 | 34m | 07:30 | 10h 03m | 17:34 | 34m | 18:08 | 36m | 18:45 | 36m | 19:21 | 13h 55m | 10h 20m | | | | So, 12. Feb |
| Mo, 13. Feb | | 19:22 – 02:21* | 6h 58m | AN+ bis M↗ | ◑ | 01:02 | 10:24 | 05:42 | 36m | 06:18 | 36m | 06:54 | 34m | 07:29 | 10h 06m | 17:35 | 34m | 18:10 | 36m | 18:46 | 36m | 19:22 | 13h 51m | 10h 17m | | | | Mo, 13. Feb |
| Di, 14. Feb | | 19:24 – 03:41* | 8h 17m | AN+ bis M↗ | | 02:21 | 10:52 | 05:40 | 36m | 06:17 | 36m | 06:53 | 34m | 07:27 | 10h 09m | 17:37 | 34m | 18:11 | 36m | 18:48 | 36m | 19:24 | 13h 48m | 10h 14m | | | | Di, 14. Feb |
| Mi, 15. Feb | | 19:25 – 04:56* | 9h 30m | AN+ bis M↗ | | 03:41 | 11:30 | 05:39 | 36m | 06:15 | 35m | 06:51 | 34m | 07:25 | 10h 13m | 17:39 | 34m | 18:13 | 36m | 18:49 | 36m | 19:25 | 13h 45m | 10h 11m | | | | Mi, 15. Feb |
| Do, 16. Feb | | 19:27 – 05:36* | 10h 08m | AN+ bis AN– | | 04:56 | 12:24 | 05:37 | 36m | 06:13 | 35m | 06:49 | 34m | 07:24 | 10h 16m | 17:40 | 34m | 18:15 | 35m | 18:51 | 36m | 19:27 | 13h 41m | 10h 08m | | | | Do, 16. Feb |
| Fr, 17. Feb | | 19:28 – 05:34* | 10h 05m | AN+ bis AN– | | 06:00 | 13:35 | 05:36 | 36m | 06:12 | 35m | 06:48 | 34m | 07:22 | 10h 19m | 17:42 | 34m | 18:16 | 35m | 18:52 | 36m | 19:28 | 13h 38m | 10h 05m | | | | Fr, 17. Feb |
| Sa, 18. Feb | | 19:30 – 05:32* | 10h 02m | AN+ bis AN– | | 06:48 | 15:00 | 05:34 | 36m | 06:10 | 35m | 06:46 | 34m | 07:20 | 10h 23m | 17:43 | 34m | 18:18 | 35m | 18:54 | 36m | 19:30 | 13h 34m | 10h 02m | | | | Sa, 18. Feb |
| So, 19. Feb | | 19:31 – 05:31* | 9h 59m | AN+ bis AN– | | 07:24 | 16:30 | 05:32 | 36m | 06:08 | 35m | 06:44 | 34m | 07:18 | 10h 26m | 17:45 | 34m | 18:19 | 35m | 18:55 | 36m | 19:31 | 13h 31m | 9h 59m | | | | So, 19. Feb |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Mo, 20. Feb | | 19:33 – 05:29* | 9h 55m | $AN_+$ bis $AN_-$ | ● | 07:50 | 18:00 | 05:31 | 36m | 06:07 | 35m | 06:43 | 33m | 07:17 | 10h 30m | 17:47 | 34m | 18:21 | 35m | 18:57 | 36m | 19:33 | 13h 28m | 9h 55m | | | | Mo, 20. Feb |
| Di, 21. Feb | | 19:34 – 05:27* | 9h 52m | $AN_+$ bis $AN_-$ | | 08:11 | 19:26 | 05:29 | 36m | 06:05 | 35m | 06:41 | 33m | 07:15 | 10h 33m | 17:48 | 33m | 18:22 | 35m | 18:58 | 36m | 19:34 | 13h 24m | 9h 52m | | | | Di, 21. Feb |
| Mi, 22. Feb | | 20:49 – 05:25* | 8h 36m | $M_↘$ bis $AN_-$ | | 08:29 | 20:49 | 05:27 | 36m | 06:03 | 35m | 06:39 | 33m | 07:13 | 10h 36m | 17:50 | 33m | 18:24 | 35m | 19:00 | 36m | 19:36 | 13h 21m | 9h 49m | | | | Mi, 22. Feb |
| Do, 23. Feb | | 22:09 – 05:24* | 7h 14m | $M_↘$ bis $AN_-$ | | 08:46 | 22:09 | 05:25 | 36m | 06:02 | 35m | 06:37 | 33m | 07:11 | 10h 40m | 17:51 | 33m | 18:25 | 35m | 19:01 | 36m | 19:37 | 13h 17m | 9h 46m | | | | Do, 23. Feb |
| Fr, 24. Feb | | 23:27 – 05:22* | 5h 54m | $M_↘$ bis $AN_-$ | | 09:03 | 23:27 | 05:24 | 36m | 06:00 | 35m | 06:35 | 33m | 07:09 | 10h 43m | 17:53 | 33m | 18:27 | 35m | 19:03 | 36m | 19:39 | 13h 14m | 9h 42m | | | | Fr, 24. Feb |
| Sa, 25. Feb | | 00:44* – 05:20* | 4h 35m | $M_↘$ bis $AN_-$ | | 09:22 | —:— | 05:22 | 36m | 05:58 | 35m | 06:34 | 33m | 07:07 | 10h 47m | 17:55 | 33m | 18:28 | 35m | 19:04 | 36m | 19:40 | 13h 10m | 9h 39m | | | | Sa, 25. Feb |
| So, 26. Feb | | 01:58* – 05:18* | 3h 19m | $M_↘$ bis $AN_-$ | | 09:45 | 00:44 | 05:20 | 36m | 05:56 | 35m | 06:32 | 33m | 07:05 | 10h 50m | 17:56 | 33m | 18:30 | 35m | 19:06 | 36m | 19:42 | 13h 07m | 9h 35m | | | | So, 26. Feb |
| Mo, 27. Feb | | 03:08* – 05:16* | 2h 08m | $M_↘$ bis $AN_-$ | ◐ | 10:13 | 01:58 | 05:18 | 36m | 05:54 | 35m | 06:30 | 33m | 07:03 | 10h 54m | 17:58 | 33m | 18:31 | 35m | 19:07 | 36m | 19:44 | 13h 03m | 9h 32m | | | | Mo, 27. Feb |
| Di, 28. Feb | | 04:09* – 05:14* | 1h 05m | $M_↘$ bis $AN_-$ | | 10:48 | 03:08 | 05:16 | 36m | 05:52 | 35m | 06:28 | 33m | 07:02 | 10h 57m | 17:59 | 33m | 18:33 | 35m | 19:09 | 36m | 19:45 | 13h 00m | 9h 29m | | | | Di, 28. Feb |
| Mi, 1. Mär | | 05:00* – 05:12* | 12m | $M_↘$ bis $AN_-$ | | 11:34 | 04:09 | 05:14 | 36m | 05:51 | 35m | 06:26 | 33m | 07:00 | 11h 01m | 18:01 | 33m | 18:34 | 35m | 19:10 | 36m | 19:47 | 12h 56m | 9h 25m | | | | Mi, 1. Mär |
| Do, 2. Mär | | —:——:— | – | Mond stört | | 12:29 | 05:00 | 05:12 | 36m | 05:49 | 35m | 06:24 | 33m | 06:58 | 11h 04m | 18:03 | 33m | 18:36 | 35m | 19:12 | 36m | 19:48 | 12h 53m | 9h 21m | | | | Do, 2. Mär |
| Fr, 3. Mär | | —:——:— | – | Mond stört | | 13:31 | 05:40 | 05:10 | 36m | 05:47 | 35m | 06:22 | 33m | 06:56 | 11h 08m | 18:04 | 33m | 18:38 | 35m | 19:13 | 36m | 19:50 | 12h 49m | 9h 18m | | | | Fr, 3. Mär |
| Sa, 4. Mär | | —:——:— | – | Mond stört | | 14:39 | 06:11 | 05:08 | 36m | 05:45 | 35m | 06:20 | 33m | 06:54 | 11h 11m | 18:06 | 33m | 18:39 | 35m | 19:15 | 36m | 19:51 | 12h 46m | 9h 14m | | | | Sa, 4. Mär |
| So, 5. Mär | | —:——:— | – | Mond stört | | 15:48 | 06:35 | 05:06 | 36m | 05:43 | 35m | 06:18 | 33m | 06:52 | 11h 15m | 18:07 | 33m | 18:41 | 35m | 19:16 | 36m | 19:53 | 12h 42m | 9h 11m | | | | So, 5. Mär |
| Mo, 6. Mär | | —:——:— | – | Mond stört | | 16:58 | 06:54 | 05:04 | 36m | 05:41 | 35m | 06:16 | 33m | 06:50 | 11h 19m | 18:09 | 33m | 18:42 | 35m | 19:18 | 36m | 19:55 | 12h 38m | 9h 07m | | | | Mo, 6. Mär |
| Di, 7. Mär | | —:——:— | – | Mond stört | ○ | 18:07 | 07:11 | 05:02 | 36m | 05:39 | 35m | 06:14 | 33m | 06:48 | 11h 22m | 18:10 | 33m | 18:44 | 35m | 19:19 | 36m | 19:56 | 12h 35m | 9h 03m | | | | Di, 7. Mär |
| Mi, 8. Mär | | —:——:— | – | Mond stört | | 19:16 | 07:25 | 05:00 | 36m | 05:37 | 35m | 06:12 | 33m | 06:46 | 11h 26m | 18:12 | 33m | 18:45 | 35m | 19:21 | 36m | 19:58 | 12h 31m | 9h 00m | | | | Mi, 8. Mär |
| Do, 9. Mär | | 19:59 – 20:26 | 26m | $AN_+$ bis $M_↗$ | | 20:26 | 07:39 | 04:58 | 36m | 05:35 | 35m | 06:10 | 33m | 06:44 | 11h 29m | 18:13 | 33m | 18:47 | 35m | 19:22 | 37m | 19:59 | 12h 28m | 8h 56m | | | | Do, 9. Mär |
| Fr, 10. Mär | | 20:01 – 21:38 | 1h 36m | $AN_+$ bis $M_↗$ | | 21:38 | 07:53 | 04:56 | 36m | 05:33 | 35m | 06:08 | 33m | 06:42 | 11h 33m | 18:15 | 33m | 18:48 | 35m | 19:24 | 37m | 20:01 | 12h 24m | 8h 52m | | | | Fr, 10. Mär |
| Sa, 11. Mär | | 20:03 – 22:52 | 2h 49m | $AN_+$ bis $M_↗$ | | 22:52 | 08:09 | 04:54 | 37m | 05:31 | 35m | 06:06 | 33m | 06:40 | 11h 36m | 18:16 | 33m | 18:50 | 35m | 19:25 | 37m | 20:03 | 12h 21m | 8h 48m | | | | Sa, 11. Mär |
| So, 12. Mär | | 20:04 – 00:10* | 4h 05m | $AN_+$ bis $M_↗$ | | —:— | 08:29 | 04:52 | 37m | 05:29 | 35m | 06:04 | 33m | 06:38 | 11h 40m | 18:18 | 33m | 18:51 | 35m | 19:27 | 37m | 20:04 | 12h 17m | 8h 45m | | | | So, 12. Mär |
| Mo, 13. Mär | | 20:06 – 01:29* | 5h 22m | $AN_+$ bis $M_↗$ | | 00:10 | 08:53 | 04:49 | 37m | 05:27 | 35m | 06:02 | 33m | 06:35 | 11h 44m | 18:19 | 33m | 18:53 | 35m | 19:29 | 37m | 20:06 | 12h 13m | 8h 41m | | | | Mo, 13. Mär |
| Di, 14. Mär | | 20:08 – 02:44* | 6h 36m | $AN_+$ bis $M_↗$ | | 01:29 | 09:27 | 04:47 | 37m | 05:24 | 35m | 06:00 | 33m | 06:33 | 11h 47m | 18:21 | 33m | 18:54 | 35m | 19:30 | 37m | 20:08 | 12h 10m | 8h 37m | | | | Di, 14. Mär |
| Mi, 15. Mär | | 20:09 – 03:50* | 7h 41m | $AN_+$ bis $M_↗$ | ◑ | 02:44 | 10:13 | 04:45 | 37m | 05:22 | 35m | 05:58 | 33m | 06:31 | 11h 51m | 18:23 | 33m | 18:56 | 35m | 19:32 | 37m | 20:09 | 12h 06m | 8h 33m | | | | Mi, 15. Mär |
| Do, 16. Mär | | 20:11 – 04:40* | 8h 29m | $AN_+$ bis $AN_-$ | | 03:50 | 11:15 | 04:43 | 37m | 05:20 | 35m | 05:56 | 33m | 06:29 | 11h 54m | 18:24 | 33m | 18:57 | 36m | 19:33 | 37m | 20:11 | 12h 03m | 8h 29m | | | | Do, 16. Mär |
| Fr, 17. Mär | | 20:13 – 04:38* | 8h 25m | $AN_+$ bis $AN_-$ | | 04:43 | 12:32 | 04:40 | 37m | 05:18 | 35m | 05:54 | 33m | 06:27 | 11h 58m | 18:26 | 33m | 18:59 | 36m | 19:35 | 37m | 20:13 | 11h 59m | 8h 25m | | | | Fr, 17. Mär |
| Sa, 18. Mär | | 20:14 – 04:36* | 8h 21m | $AN_+$ bis $AN_-$ | | 05:22 | 13:58 | 04:38 | 37m | 05:16 | 36m | 05:52 | 33m | 06:25 | 12h 01m | 18:27 | 33m | 19:00 | 36m | 19:36 | 37m | 20:14 | 11h 56m | 8h 21m | | | | Sa, 18. Mär |
| So, 19. Mär | | 20:16 – 04:34* | 8h 17m | $AN_+$ bis $AN_-$ | | 05:51 | 15:27 | 04:36 | 37m | 05:14 | 36m | 05:50 | 33m | 06:23 | 12h 05m | 18:29 | 33m | 19:02 | 36m | 19:38 | 38m | 20:16 | 11h 52m | 8h 17m | | | | So, 19. Mär |
| Mo, 20. Mär | | 20:18 – 04:31* | 8h 13m | $AN_+$ bis $AN_-$ | | 06:13 | 16:54 | 04:34 | 38m | 05:12 | 36m | 05:48 | 33m | 06:21 | 12h 09m | 18:30 | 33m | 19:03 | 36m | 19:40 | 38m | 20:18 | 11h 48m | 8h 13m | | | | Mo, 20. Mär |
| Di, 21. Mär | | 20:20 – 04:29* | 8h 09m | $AN_+$ bis $AN_-$ | ● | 06:32 | 18:18 | 04:31 | 38m | 05:09 | 36m | 05:46 | 33m | 06:19 | 12h 12m | 18:32 | 33m | 19:05 | 36m | 19:41 | 38m | 20:20 | 11h 45m | 8h 09m | | | | Di, 21. Mär |
| Mi, 22. Mär | | 20:21 – 04:27* | 8h 05m | $AN_+$ bis $AN_-$ | | 06:49 | 19:40 | 04:29 | 38m | 05:07 | 36m | 05:44 | 33m | 06:17 | 12h 16m | 18:33 | 33m | 19:06 | 36m | 19:43 | 38m | 20:21 | 11h 41m | 8h 05m | | | | Mi, 22. Mär |
| Do, 23. Mär | | 21:01 – 04:24* | 7h 23m | $M_↘$ bis $AN_-$ | | 07:06 | 21:01 | 04:27 | 38m | 05:05 | 36m | 05:41 | 33m | 06:15 | 12h 19m | 18:35 | 33m | 19:08 | 36m | 19:44 | 38m | 20:23 | 11h 38m | 8h 01m | | | | Do, 23. Mär |
| Fr, 24. Mär | | 22:21 – 04:22* | 6h 01m | $M_↘$ bis $AN_-$ | | 07:24 | 22:21 | 04:24 | 38m | 05:03 | 36m | 05:39 | 33m | 06:13 | 12h 23m | 18:36 | 33m | 19:09 | 36m | 19:46 | 38m | 20:25 | 11h 34m | 7h 56m | | | | Fr, 24. Mär |
| Sa, 25. Mär | | 23:38 – 04:19* | 4h 40m | $M_↘$ bis $AN_-$ | | 07:45 | 23:38 | 04:22 | 38m | 05:01 | 36m | 05:37 | 33m | 06:11 | 12h 26m | 18:38 | 33m | 19:11 | 36m | 19:48 | 39m | 20:27 | 11h 30m | 7h 52m | | | | Sa, 25. Mär |
| So, 26. Mär | MESZ | 01:52* – 05:17* | 3h 24m | $M_↘$ bis $AN_-$ | | 09:11 | 00:38 | 05:19 | 38m | 05:58 | 36m | 06:35 | 33m | 07:08 | 12h 30m | 19:39 | 33m | 20:13 | 36m | 20:49 | 39m | 21:29 | 11h 27m | 7h 48m | | | | So, 26. Mär |
| Mo, 27. Mär | MESZ | 02:59* – 05:15* | 2h 15m | $M_↘$ bis $AN_-$ | | 09:43 | 01:52 | 05:17 | 39m | 05:56 | 36m | 06:33 | 33m | 07:06 | 12h 34m | 19:40 | 33m | 20:14 | 36m | 20:51 | 39m | 21:30 | 11h 23m | 7h 44m | | | | Mo, 27. Mär |
| Di, 28. Mär | MESZ | 03:55* – 05:12* | 1h 17m | $M_↘$ bis $AN_-$ | | 10:25 | 02:59 | 05:15 | 39m | 05:54 | 36m | 06:31 | 33m | 07:04 | 12h 37m | 19:42 | 33m | 20:16 | 37m | 20:53 | 39m | 21:32 | 11h 20m | 7h 39m | | | | Di, 28. Mär |
| Mi, 29. Mär | MESZ | 04:40* – 05:10* | 30m | $M_↘$ bis $AN_-$ | ◐ | 11:17 | 03:55 | 05:12 | 39m | 05:52 | 36m | 06:29 | 33m | 07:02 | 12h 41m | 19:43 | 33m | 20:17 | 37m | 20:54 | 39m | 21:34 | 11h 16m | 7h 35m | | | | Mi, 29. Mär |
| Do, 30. Mär | MESZ | —:——:— | – | Mond stört | | 12:18 | 04:40 | 05:10 | 39m | 05:49 | 37m | 06:26 | 33m | 07:00 | 12h 44m | 19:45 | 33m | 20:19 | 37m | 20:56 | 39m | 21:36 | 11h 13m | 7h 31m | | | | Do, 30. Mär |
| Fr, 31. Mär | MESZ | —:——:— | – | Mond stört | | 13:25 | 05:14 | 05:07 | 39m | 05:47 | 37m | 06:24 | 33m | 06:58 | 12h 48m | 19:46 | 33m | 20:20 | 37m | 20:58 | 40m | 21:38 | 11h 09m | 7h 26m | | | | Fr, 31. Mär |
| Sa, 1. Apr | MESZ | —:——:— | – | Mond stört | | 14:34 | 05:40 | 05:05 | 40m | 05:45 | 37m | 06:22 | 33m | 06:56 | 12h 51m | 19:48 | 33m | 20:22 | 37m | 20:59 | 40m | 21:40 | 11h 06m | 7h 22m | | | | Sa, 1. Apr |
| So, 2. Apr | MESZ | —:——:— | – | Mond stört | | 15:43 | 06:00 | 05:02 | 40m | 05:43 | 37m | 06:20 | 33m | 06:54 | 12h 55m | 19:49 | 33m | 20:23 | 37m | 21:01 | 40m | 21:42 | 11h 02m | 7h 17m | | | | So, 2. Apr |
| Mo, 3. Apr | MESZ | —:——:— | – | Mond stört | | 16:53 | 06:17 | 05:00 | 40m | 05:40 | 37m | 06:18 | 33m | 06:52 | 12h 59m | 19:51 | 34m | 20:25 | 37m | 21:03 | 40m | 21:44 | 10h 58m | 7h 13m | | | | Mo, 3. Apr |
| Di, 4. Apr | MESZ | —:——:— | – | Mond stört | | 18:02 | 06:32 | 04:57 | 40m | 05:38 | 37m | 06:16 | 34m | 06:50 | 13h 02m | 19:52 | 34m | 20:26 | 37m | 21:04 | 41m | 21:46 | 10h 55m | 7h 09m | | | | Di, 4. Apr |
| Mi, 5. Apr | MESZ | —:——:— | – | Mond stört | | 19:13 | 06:46 | 04:55 | 41m | 05:36 | 37m | 06:14 | 34m | 06:48 | 13h 06m | 19:54 | 34m | 20:28 | 38m | 21:06 | 41m | 21:48 | 10h 51m | 7h 04m | | | | Mi, 5. Apr |
| Do, 6. Apr | MESZ | —:——:— | – | Mond stört | ○ | 20:25 | 07:00 | 04:52 | 41m | 05:33 | 38m | 06:12 | 34m | 06:46 | 13h 09m | 19:55 | 34m | 20:30 | 38m | 21:08 | 41m | 21:50 | 10h 48m | 6h 59m | | | | Do, 6. Apr |
| Fr, 7. Apr | MESZ | —:——:— | – | Mond stört | | 21:40 | 07:16 | 04:49 | 41m | 05:31 | 38m | 06:09 | 34m | 06:44 | 13h 13m | 19:57 | 34m | 20:31 | 38m | 21:10 | 42m | 21:52 | 10h 44m | 6h 55m | | | | Fr, 7. Apr |
| Sa, 8. Apr | MESZ | 21:54 – 22:58 | 1h 04m | $AN_+$ bis $M_↗$ | | 22:58 | 07:34 | 04:47 | 41m | 05:29 | 38m | 06:07 | 34m | 06:42 | 13h 16m | 19:58 | 34m | 20:33 | 38m | 21:11 | 42m | 21:54 | 10h 41m | 6h 50m | | | | Sa, 8. Apr |
| So, 9. Apr | MESZ | 21:56 – 00:18* | 2h 22m | $AN_+$ bis $M_↗$ | | —:— | 07:57 | 04:44 | 42m | 05:27 | 38m | 06:05 | 34m | 06:40 | 13h 20m | 20:00 | 34m | 20:34 | 38m | 21:13 | 42m | 21:56 | 10h 37m | 6h 46m | | | | So, 9. Apr |
| Mo, 10. Apr | MESZ | 21:58 – 01:36* | 3h 38m | $AN_+$ bis $M_↗$ | | 00:18 | 08:27 | 04:42 | 42m | 05:24 | 38m | 06:03 | 34m | 06:38 | 13h 23m | 20:01 | 34m | 20:36 | 38m | 21:15 | 42m | 21:58 | 10h 34m | 6h 41m | | | | Mo, 10. Apr |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Di, 11. Apr | MESZ | 22:00 – 02:45* | 4h 45m | AN+ bis M↗ | | 01:36 | 09:09 | 04:39 | 42m | 05:22 | 38m | 06:01 | 34m | 06:36 | 13h 27m | 20:03 | 34m | 20:37 | 39m | 21:17 | 43m | 22:00 | 10h 30m | 6h 36m | | | | Di, 11. Apr |
| Mi, 12. Apr | MESZ | 22:02 – 03:41* | 5h 39m | AN+ bis M↗ | | 02:45 | 10:06 | 04:37 | 43m | 05:20 | 39m | 05:59 | 34m | 06:34 | 13h 30m | 20:04 | 34m | 20:39 | 39m | 21:18 | 43m | 22:02 | 10h 27m | 6h 31m | | | | Mi, 12. Apr |
| Do, 13. Apr | MESZ | 22:04 – 04:23* | 6h 18m | AN+ bis M↗ | ◑ | 03:41 | 11:18 | 04:34 | 43m | 05:17 | 39m | 05:57 | 34m | 06:32 | 13h 34m | 20:06 | 35m | 20:41 | 39m | 21:20 | 43m | 22:04 | 10h 24m | 6h 27m | | | | Do, 13. Apr |
| Fr, 14. Apr | MESZ | 22:06 – 04:29* | 6h 22m | AN+ bis AN− | | 04:23 | 12:40 | 04:31 | 43m | 05:15 | 39m | 05:55 | 34m | 06:30 | 13h 37m | 20:07 | 35m | 20:42 | 39m | 21:22 | 44m | 22:06 | 10h 20m | 6h 22m | | | | Fr, 14. Apr |
| Sa, 15. Apr | MESZ | 22:08 – 04:26* | 6h 17m | AN+ bis AN− | | 04:54 | 14:05 | 04:29 | 44m | 05:13 | 39m | 05:53 | 35m | 06:28 | 13h 40m | 20:09 | 35m | 20:44 | 39m | 21:24 | 44m | 22:08 | 10h 17m | 6h 17m | | | | Sa, 15. Apr |
| So, 16. Apr | MESZ | 22:11 – 04:23* | 6h 12m | AN+ bis AN− | | 05:17 | 15:30 | 04:26 | 44m | 05:11 | 39m | 05:50 | 35m | 06:26 | 13h 44m | 20:10 | 35m | 20:45 | 40m | 21:26 | 45m | 22:11 | 10h 13m | 6h 12m | | | | So, 16. Apr |
| Mo, 17. Apr | MESZ | 22:13 – 04:21* | 6h 07m | AN+ bis AN− | | 05:36 | 16:53 | 04:23 | 45m | 05:08 | 40m | 05:48 | 35m | 06:24 | 13h 47m | 20:12 | 35m | 20:47 | 40m | 21:27 | 45m | 22:13 | 10h 10m | 6h 07m | | | | Mo, 17. Apr |
| Di, 18. Apr | MESZ | 22:15 – 04:18* | 6h 02m | AN+ bis AN− | | 05:53 | 18:14 | 04:21 | 45m | 05:06 | 40m | 05:46 | 35m | 06:22 | 13h 51m | 20:13 | 35m | 20:49 | 40m | 21:29 | 45m | 22:15 | 10h 06m | 6h 02m | | | | Di, 18. Apr |
| Mi, 19. Apr | MESZ | 22:17 – 04:15* | 5h 57m | AN+ bis AN− | | 06:10 | 19:34 | 04:18 | 45m | 05:04 | 40m | 05:44 | 35m | 06:20 | 13h 54m | 20:14 | 35m | 20:50 | 40m | 21:31 | 46m | 22:17 | 10h 03m | 5h 57m | | | | Mi, 19. Apr |
| Do, 20. Apr | MESZ | 22:20 – 04:12* | 5h 52m | AN+ bis AN− | ● | 06:27 | 20:54 | 04:15 | 46m | 05:01 | 40m | 05:42 | 35m | 06:18 | 13h 57m | 20:16 | 35m | 20:52 | 41m | 21:33 | 46m | 22:20 | 10h 00m | 5h 52m | | | | Do, 20. Apr |
| Fr, 21. Apr | MESZ | 22:22 – 04:10* | 5h 47m | AN+ bis AN− | | 06:46 | 22:14 | 04:12 | 46m | 04:59 | 41m | 05:40 | 35m | 06:16 | 14h 01m | 20:17 | 36m | 20:53 | 41m | 21:35 | 47m | 22:22 | 9h 56m | 5h 47m | | | | Fr, 21. Apr |
| Sa, 22. Apr | MESZ | 23:31 – 04:07* | 4h 35m | M↘ bis AN− | | 07:09 | 23:31 | 04:10 | 47m | 04:57 | 41m | 05:38 | 36m | 06:14 | 14h 04m | 20:19 | 36m | 20:55 | 41m | 21:37 | 47m | 22:24 | 9h 53m | 5h 42m | | | | Sa, 22. Apr |
| So, 23. Apr | MESZ | 00:43* – 04:04* | 3h 21m | M↘ bis AN− | | 07:39 | —:— | 04:07 | 47m | 04:55 | 41m | 05:36 | 36m | 06:12 | 14h 07m | 20:20 | 36m | 20:57 | 41m | 21:39 | 48m | 22:27 | 9h 50m | 5h 37m | | | | So, 23. Apr |
| Mo, 24. Apr | MESZ | 01:45* – 04:02* | 2h 16m | M↘ bis AN− | | 08:17 | 00:43 | 04:04 | 48m | 04:52 | 41m | 05:34 | 36m | 06:11 | 14h 11m | 20:22 | 36m | 20:58 | 42m | 21:40 | 48m | 22:29 | 9h 46m | 5h 32m | | | | Mo, 24. Apr |
| Di, 25. Apr | MESZ | 02:35* – 03:59* | 1h 23m | M↘ bis AN− | | 09:06 | 01:45 | 04:02 | 48m | 04:50 | 42m | 05:32 | 36m | 06:09 | 14h 14m | 20:23 | 36m | 21:00 | 42m | 21:42 | 49m | 22:32 | 9h 43m | 5h 27m | | | | Di, 25. Apr |
| Mi, 26. Apr | MESZ | 03:13* – 03:56* | 42m | M↘ bis AN− | | 10:04 | 02:35 | 03:59 | 49m | 04:48 | 42m | 05:30 | 36m | 06:07 | 14h 17m | 20:25 | 36m | 21:02 | 42m | 21:44 | 49m | 22:34 | 9h 40m | 5h 21m | | | | Mi, 26. Apr |
| Do, 27. Apr | MESZ | 03:43* – 03:53* | 10m | M↘ bis AN− | ◐ | 11:09 | 03:13 | 03:56 | 49m | 04:46 | 42m | 05:28 | 36m | 06:05 | 14h 21m | 20:26 | 37m | 21:03 | 42m | 21:46 | 50m | 22:36 | 9h 37m | 5h 16m | | | | Do, 27. Apr |
| Fr, 28. Apr | MESZ | —:——:— | – | Mond stört | | 12:18 | 03:43 | 03:53 | 50m | 04:44 | 42m | 05:26 | 36m | 06:03 | 14h 24m | 20:28 | 37m | 21:05 | 43m | 21:48 | 50m | 22:39 | 9h 33m | 5h 11m | | | | Fr, 28. Apr |
| Sa, 29. Apr | MESZ | —:——:— | – | Mond stört | | 13:27 | 04:05 | 03:50 | 50m | 04:41 | 43m | 05:25 | 37m | 06:02 | 14h 27m | 20:29 | 37m | 21:06 | 43m | 21:50 | 51m | 22:41 | 9h 30m | 5h 06m | | | | Sa, 29. Apr |
| So, 30. Apr | MESZ | —:——:— | – | Mond stört | | 14:36 | 04:23 | 03:48 | 51m | 04:39 | 43m | 05:23 | 37m | 06:00 | 14h 30m | 20:31 | 37m | 21:08 | 43m | 21:52 | 52m | 22:44 | 9h 27m | 5h 00m | | | | So, 30. Apr |
| Mo, 1. Mai | MESZ | —:——:— | – | Mond stört | | 15:45 | 04:39 | 03:45 | 52m | 04:37 | 43m | 05:21 | 37m | 05:58 | 14h 33m | 20:32 | 37m | 21:10 | 44m | 21:54 | 52m | 22:47 | 9h 24m | 4h 55m | | | | Mo, 1. Mai |
| Di, 2. Mai | MESZ | —:——:— | – | Mond stört | | 16:55 | 04:53 | 03:42 | 52m | 04:35 | 44m | 05:19 | 37m | 05:57 | 14h 36m | 20:33 | 37m | 21:11 | 44m | 21:56 | 53m | 22:49 | 9h 21m | 4h 50m | | | | Di, 2. Mai |
| Mi, 3. Mai | MESZ | —:——:— | – | Mond stört | | 18:07 | 05:07 | 03:39 | 53m | 04:33 | 44m | 05:17 | 37m | 05:55 | 14h 39m | 20:35 | 38m | 21:13 | 44m | 21:58 | 54m | 22:52 | 9h 18m | 4h 44m | | | | Mi, 3. Mai |
| Do, 4. Mai | MESZ | —:——:— | – | Mond stört | | 19:21 | 05:21 | 03:36 | 54m | 04:30 | 44m | 05:15 | 38m | 05:53 | 14h 43m | 20:36 | 38m | 21:15 | 45m | 22:00 | 54m | 22:54 | 9h 15m | 4h 39m | | | | Do, 4. Mai |
| Fr, 5. Mai | MESZ | —:——:— | – | Mond stört | ○ | 20:40 | 05:38 | 03:34 | 54m | 04:28 | 45m | 05:13 | 38m | 05:52 | 14h 46m | 20:38 | 38m | 21:16 | 45m | 22:02 | 55m | 22:57 | 9h 12m | 4h 33m | | | | Fr, 5. Mai |
| Sa, 6. Mai | MESZ | —:——:— | – | Mond stört | | 22:01 | 06:00 | 03:31 | 55m | 04:26 | 45m | 05:12 | 38m | 05:50 | 14h 49m | 20:39 | 38m | 21:18 | 45m | 22:04 | 56m | 23:00 | 9h 09m | 4h 27m | | | | Sa, 6. Mai |
| So, 7. Mai | MESZ | 23:03 – 23:22 | 19m | AN+ bis M↗ | | 23:22 | 06:28 | 03:28 | 56m | 04:24 | 45m | 05:10 | 38m | 05:49 | 14h 52m | 20:41 | 38m | 21:19 | 46m | 22:06 | 57m | 23:03 | 9h 06m | 4h 22m | | | | So, 7. Mai |
| Mo, 8. Mai | MESZ | 23:05 – 00:36* | 1h 31m | AN+ bis M↗ | | —:— | 07:06 | 03:25 | 57m | 04:22 | 46m | 05:08 | 38m | 05:47 | 14h 55m | 20:42 | 38m | 21:21 | 46m | 22:07 | 57m | 23:05 | 9h 03m | 4h 16m | | | | Mo, 8. Mai |
| Di, 9. Mai | MESZ | 23:08 – 01:38* | 2h 29m | AN+ bis M↗ | | 00:36 | 07:59 | 03:22 | 57m | 04:20 | 46m | 05:07 | 38m | 05:45 | 14h 57m | 20:43 | 39m | 21:23 | 46m | 22:09 | 58m | 23:08 | 9h 00m | 4h 11m | | | | Di, 9. Mai |
| Mi, 10. Mai | MESZ | 23:11 – 02:24* | 3h 13m | AN+ bis M↗ | | 01:38 | 09:07 | 03:19 | 58m | 04:18 | 46m | 05:05 | 39m | 05:44 | 15h 00m | 20:45 | 39m | 21:24 | 47m | 22:11 | 59m | 23:11 | 8h 57m | 4h 05m | | | | Mi, 10. Mai |
| Do, 11. Mai | MESZ | 23:14 – 02:58* | 3h 44m | AN+ bis M↗ | | 02:24 | 10:27 | 03:16 | 59m | 04:16 | 47m | 05:03 | 39m | 05:43 | 15h 03m | 20:46 | 39m | 21:26 | 47m | 22:13 | 1h 00m | 23:14 | 8h 54m | 3h 59m | | | | Do, 11. Mai |
| Fr, 12. Mai | MESZ | 23:17 – 03:11* | 3h 53m | AN+ bis AN− | ◑ | 02:58 | 11:52 | 03:13 | 1h 00m | 04:14 | 47m | 05:02 | 39m | 05:41 | 15h 06m | 20:48 | 39m | 21:27 | 47m | 22:15 | 1h 01m | 23:17 | 8h 52m | 3h 53m | | | | Fr, 12. Mai |
| Sa, 13. Mai | MESZ | 23:20 – 03:08* | 3h 48m | AN+ bis AN− | | 03:23 | 13:16 | 03:11 | 1h 01m | 04:12 | 47m | 05:00 | 39m | 05:40 | 15h 09m | 20:49 | 39m | 21:29 | 48m | 22:17 | 1h 02m | 23:20 | 8h 49m | 3h 48m | | | | Sa, 13. Mai |
| So, 14. Mai | MESZ | 23:23 – 03:05* | 3h 42m | AN+ bis AN− | | 03:43 | 14:38 | 03:08 | 1h 02m | 04:10 | 48m | 04:58 | 39m | 05:38 | 15h 11m | 20:50 | 40m | 21:30 | 48m | 22:19 | 1h 03m | 23:23 | 8h 46m | 3h 42m | | | | So, 14. Mai |
| Mo, 15. Mai | MESZ | 23:26 – 03:02* | 3h 36m | AN+ bis AN− | | 04:00 | 15:57 | 03:05 | 1h 03m | 04:08 | 48m | 04:57 | 40m | 05:37 | 15h 14m | 20:52 | 40m | 21:32 | 49m | 22:21 | 1h 04m | 23:26 | 8h 44m | 3h 36m | | | | Mo, 15. Mai |
| Di, 16. Mai | MESZ | 23:29 – 02:59* | 3h 30m | AN+ bis AN− | | 04:16 | 17:15 | 03:02 | 1h 04m | 04:06 | 49m | 04:55 | 40m | 05:36 | 15h 17m | 20:53 | 40m | 21:33 | 49m | 22:23 | 1h 05m | 23:29 | 8h 41m | 3h 30m | | | | Di, 16. Mai |
| Mi, 17. Mai | MESZ | 23:32 – 02:56* | 3h 24m | AN+ bis AN− | | 04:32 | 18:34 | 02:59 | 1h 05m | 04:04 | 49m | 04:54 | 40m | 05:34 | 15h 19m | 20:54 | 40m | 21:35 | 49m | 22:25 | 1h 06m | 23:32 | 8h 38m | 3h 24m | | | | Mi, 17. Mai |
| Do, 18. Mai | MESZ | 23:35 – 02:53* | 3h 18m | AN+ bis AN− | | 04:50 | 19:52 | 02:56 | 1h 06m | 04:03 | 49m | 04:52 | 40m | 05:33 | 15h 22m | 20:56 | 40m | 21:36 | 50m | 22:27 | 1h 07m | 23:35 | 8h 36m | 3h 18m | | | | Do, 18. Mai |
| Fr, 19. Mai | MESZ | 23:38 – 02:50* | 3h 12m | AN+ bis AN− | ● | 05:11 | 21:10 | 02:53 | 1h 07m | 04:01 | 50m | 04:51 | 40m | 05:32 | 15h 24m | 20:57 | 41m | 21:38 | 50m | 22:29 | 1h 09m | 23:38 | 8h 34m | 3h 12m | | | | Fr, 19. Mai |
| Sa, 20. Mai | MESZ | 23:41 – 02:47* | 3h 06m | AN+ bis AN− | | 05:37 | 22:24 | 02:50 | 1h 09m | 03:59 | 50m | 04:50 | 41m | 05:31 | 15h 27m | 20:58 | 41m | 21:39 | 51m | 22:30 | 1h 10m | 23:41 | 8h 31m | 3h 06m | | | | Sa, 20. Mai |
| So, 21. Mai | MESZ | 23:44 – 02:44* | 3h 00m | AN+ bis AN− | | 06:12 | 23:31 | 02:47 | 1h 10m | 03:57 | 50m | 04:48 | 41m | 05:30 | 15h 29m | 20:59 | 41m | 21:41 | 51m | 22:32 | 1h 11m | 23:44 | 8h 29m | 3h 00m | | | | So, 21. Mai |
| Mo, 22. Mai | MESZ | 00:27* – 02:41* | 2h 14m | M↘ bis AN− | | 06:56 | —:— | 02:44 | 1h 11m | 03:56 | 51m | 04:47 | 41m | 05:29 | 15h 31m | 21:01 | 41m | 21:42 | 51m | 22:34 | 1h 13m | 23:47 | 8h 27m | 2h 53m | | | | Mo, 22. Mai |
| Di, 23. Mai | MESZ | 01:10* – 02:38* | 1h 27m | M↘ bis AN− | | 07:51 | 00:27 | 02:41 | 1h 13m | 03:54 | 51m | 04:46 | 41m | 05:28 | 15h 34m | 21:02 | 41m | 21:44 | 52m | 22:36 | 1h 14m | 23:50 | 8h 24m | 2h 47m | | | | Di, 23. Mai |
| Mi, 24. Mai | MESZ | 01:43* – 02:35* | 51m | M↘ bis AN− | | 08:54 | 01:10 | 02:38 | 1h 14m | 03:52 | 52m | 04:45 | 41m | 05:27 | 15h 36m | 21:03 | 42m | 21:45 | 52m | 22:38 | 1h 15m | 23:54 | 8h 22m | 2h 41m | | | | Mi, 24. Mai |
| Do, 25. Mai | MESZ | 02:08* – 02:32* | 23m | M↘ bis AN− | | 10:02 | 01:43 | 02:35 | 1h 15m | 03:51 | 52m | 04:43 | 42m | 05:26 | 15h 38m | 21:04 | 42m | 21:46 | 52m | 22:39 | 1h 17m | 23:57 | 8h 20m | 2h 35m | | | | Do, 25. Mai |
| Fr, 26. Mai | MESZ | 02:28* – 02:29* | 0m | M↘ bis AN− | | 11:11 | 02:08 | 02:32 | 1h 17m | 03:49 | 52m | 04:42 | 42m | 05:25 | 15h 40m | 21:05 | 42m | 21:48 | 53m | 22:41 | 1h 19m | 00:00* | 8h 18m | 2h 28m | | | | Fr, 26. Mai |
| Sa, 27. Mai | MESZ | —:——:— | – | Mond stört | ◐ | 12:20 | 02:28 | 02:29 | 1h 19m | 03:48 | 53m | 04:41 | 42m | 05:24 | 15h 42m | 21:06 | 42m | 21:49 | 53m | 22:43 | 1h 20m | 00:03* | 8h 16m | 2h 22m | | | | Sa, 27. Mai |
| So, 28. Mai | MESZ | —:——:— | – | Mond stört | | 13:28 | 02:44 | 02:26 | 1h 20m | 03:46 | 53m | 04:40 | 42m | 05:23 | 15h 44m | 21:07 | 42m | 21:50 | 54m | 22:44 | 1h 22m | 00:07* | 8h 14m | 2h 15m | | | | So, 28. Mai |
| Mo, 29. Mai | MESZ | —:——:— | – | Mond stört | | 14:37 | 02:58 | 02:23 | 1h 22m | 03:45 | 54m | 04:39 | 42m | 05:22 | 15h 46m | 21:08 | 42m | 21:51 | 54m | 22:46 | 1h 24m | 00:10* | 8h 12m | 2h 09m | | | | Mo, 29. Mai |
| Di, 30. Mai | MESZ | —:——:— | – | Mond stört | | 15:47 | 03:12 | 02:19 | 1h 24m | 03:44 | 54m | 04:38 | 42m | 05:21 | 15h 48m | 21:10 | 43m | 21:53 | 54m | 22:48 | 1h 26m | 00:14* | 8h 10m | 2h 02m | | | | Di, 30. Mai |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Mi, 31. Mai | MESZ | —:——:— | – | Mond stört | | 16:59 | 03:26 | 02:16 | 1h 26m | 03:42 | 54m | 04:37 | 43m | 05:20 | 15h 50m | 21:11 | 43m | 21:54 | 55m | 22:49 | 1h 28m | 00:17* | 8h 09m | 1h 55m | | | | Mi, 31. Mai |
| Do, 1. Jun | MESZ | —:——:— | – | Mond stört | | 18:15 | 03:42 | 02:13 | 1h 28m | 03:41 | 55m | 04:36 | 43m | 05:20 | 15h 51m | 21:12 | 43m | 21:55 | 55m | 22:51 | 1h 30m | 00:21* | 8h 07m | 1h 48m | | | | Do, 1. Jun |
| Fr, 2. Jun | MESZ | —:——:— | – | Mond stört | | 19:36 | 04:01 | 02:10 | 1h 30m | 03:40 | 55m | 04:36 | 43m | 05:19 | 15h 53m | 21:12 | 43m | 21:56 | 55m | 22:52 | 1h 32m | 00:24* | 8h 05m | 1h 41m | | | | Fr, 2. Jun |
| Sa, 3. Jun | MESZ | —:——:— | – | Mond stört | | 20:59 | 04:26 | 02:06 | 1h 32m | 03:39 | 55m | 04:35 | 43m | 05:18 | 15h 54m | 21:13 | 43m | 21:57 | 56m | 22:53 | 1h 34m | 00:28* | 8h 04m | 1h 34m | | | | Sa, 3. Jun |
| So, 4. Jun | MESZ | —:——:— | – | Mond stört | ○ | 22:18 | 05:00 | 02:03 | 1h 34m | 03:38 | 56m | 04:34 | 43m | 05:18 | 15h 56m | 21:14 | 43m | 21:58 | 56m | 22:55 | 1h 37m | 00:32* | 8h 03m | 1h 27m | | | | So, 4. Jun |
| Mo, 5. Jun | MESZ | —:——:— | – | Mond stört | | 23:27 | 05:48 | 02:00 | 1h 37m | 03:37 | 56m | 04:33 | 43m | 05:17 | 15h 57m | 21:15 | 44m | 21:59 | 56m | 22:56 | 1h 39m | 00:36* | 8h 01m | 1h 20m | | | | Mo, 5. Jun |
| Di, 6. Jun | MESZ | —:——:— | – | Mond stört | | —:— | 06:52 | 01:56 | 1h 39m | 03:36 | 56m | 04:33 | 44m | 05:17 | 15h 59m | 21:16 | 44m | 22:00 | 57m | 22:57 | 1h 42m | 00:40* | 8h 00m | 1h 12m | | | | Di, 6. Jun |
| Mi, 7. Jun | MESZ | 00:44* – 01:00* | 15m | AN+ bis M↗ | | 00:21 | 08:11 | 01:52 | 1h 42m | 03:35 | 57m | 04:32 | 44m | 05:16 | 16h 00m | 21:17 | 44m | 22:01 | 57m | 22:59 | 1h 45m | 00:44* | 7h 59m | 1h 04m | | | | Mi, 7. Jun |
| Do, 8. Jun | MESZ | 00:49* – 01:28* | 39m | AN+ bis M↗ | | 01:00 | 09:37 | 01:49 | 1h 45m | 03:34 | 57m | 04:32 | 44m | 05:16 | 16h 01m | 21:17 | 44m | 22:02 | 57m | 23:00 | 1h 48m | 00:49* | 7h 58m | 56m | | | | Do, 8. Jun |
| Fr, 9. Jun | MESZ | 00:53* – 01:40* | 46m | AN+ bis AN– | | 01:28 | 11:03 | 01:45 | 1h 48m | 03:33 | 57m | 04:31 | 44m | 05:16 | 16h 02m | 21:18 | 44m | 22:03 | 57m | 23:01 | 1h 52m | 00:53* | 7h 57m | 46m | | | | Fr, 9. Jun |
| Sa, 10. Jun | MESZ | 00:59* – 01:35* | 36m | AN+ bis AN– | ◑ | 01:49 | 12:26 | 01:40 | 1h 52m | 03:33 | 57m | 04:31 | 44m | 05:15 | 16h 03m | 21:19 | 44m | 22:04 | 58m | 23:02 | 1h 57m | 00:59* | 7h 56m | 36m | | | | Sa, 10. Jun |
| So, 11. Jun | MESZ | 01:06* – 01:29* | 22m | AN+ bis AN– | | 02:07 | 13:46 | 01:35 | 1h 57m | 03:32 | 58m | 04:30 | 44m | 05:15 | 16h 04m | 21:20 | 44m | 22:04 | 58m | 23:03 | 2h 03m | 01:06* | 7h 55m | 22m | | | | So, 11. Jun |
| Mo, 12. Jun | MESZ | | | Astr. MD | | 02:23 | 15:04 | 01:29 | 2h 03m | 03:32 | 58m | 04:30 | 44m | 05:15 | 16h 05m | 21:20 | 44m | 22:05 | 58m | 23:04 | | —:— | 7h 54m | | 23:04 – 02:39* | 3h 35m | ND+ bis M↗ | Mo, 12. Jun |
| Di, 13. Jun | MESZ | | | Astr. MD | | 02:39 | 16:21 | —:— | | 03:31 | 58m | 04:30 | 44m | 05:15 | 16h 06m | 21:21 | 44m | 22:06 | 58m | 23:04 | | —:— | 7h 53m | | 23:04 – 02:56* | 3h 51m | ND+ bis M↗ | Di, 13. Jun |
| Mi, 14. Jun | MESZ | | | Astr. MD | | 02:56 | 17:38 | —:— | | 03:31 | 58m | 04:30 | 44m | 05:14 | 16h 06m | 21:21 | 44m | 22:06 | 58m | 23:05 | | —:— | 7h 53m | | 23:05 – 03:15* | 4h 09m | ND+ bis M↗ | Mi, 14. Jun |
| Do, 15. Jun | MESZ | | | Astr. MD | | 03:15 | 18:55 | —:— | | 03:30 | 58m | 04:29 | 44m | 05:14 | 16h 07m | 21:22 | 45m | 22:07 | 59m | 23:06 | | —:— | 7h 52m | | 23:06 – 03:30* | 4h 24m | ND+ bis ND– | Do, 15. Jun |
| Fr, 16. Jun | MESZ | | | Astr. MD | | 03:39 | 20:10 | —:— | | 03:30 | 59m | 04:29 | 45m | 05:14 | 16h 07m | 21:22 | 45m | 22:07 | 59m | 23:06 | | —:— | 7h 52m | | 23:06 – 03:30* | 4h 23m | ND+ bis ND– | Fr, 16. Jun |
| Sa, 17. Jun | MESZ | | | Astr. MD | | 04:10 | 21:19 | —:— | | 03:30 | 59m | 04:29 | 45m | 05:14 | 16h 08m | 21:23 | 45m | 22:08 | 59m | 23:07 | | —:— | 7h 51m | | 23:07 – 03:30* | 4h 22m | ND+ bis ND– | Sa, 17. Jun |
| So, 18. Jun | MESZ | | | Astr. MD | ● | 04:51 | 22:19 | —:— | | 03:30 | 59m | 04:29 | 45m | 05:14 | 16h 08m | 21:23 | 45m | 22:08 | 59m | 23:07 | | —:— | 7h 51m | | 23:07 – 03:30* | 4h 22m | ND+ bis ND– | So, 18. Jun |
| Mo, 19. Jun | MESZ | | | Astr. MD | | 05:42 | 23:07 | —:— | | 03:30 | 59m | 04:29 | 45m | 05:14 | 16h 08m | 21:23 | 45m | 22:08 | 59m | 23:08 | | —:— | 7h 51m | | 23:08 – 03:30* | 4h 22m | ND+ bis ND– | Mo, 19. Jun |
| Di, 20. Jun | MESZ | | | Astr. MD | | 06:42 | 23:43 | —:— | | 03:30 | 59m | 04:29 | 45m | 05:15 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:08 | | —:— | 7h 51m | | 23:43 – 03:30* | 3h 47m | M↘ bis ND– | Di, 20. Jun |
| Mi, 21. Jun | MESZ | | | Astr. MD | | 07:49 | —:— | —:— | | 03:30 | 59m | 04:30 | 45m | 05:15 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:08 | | —:— | 7h 51m | | 00:11* – 03:30* | 3h 19m | M↘ bis ND– | Mi, 21. Jun |
| Do, 22. Jun | MESZ | | | Astr. MD | | 08:58 | 00:11 | —:— | | 03:30 | 59m | 04:30 | 45m | 05:15 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:09 | | —:— | 7h 51m | | 00:32* – 03:31* | 2h 58m | M↘ bis ND– | Do, 22. Jun |
| Fr, 23. Jun | MESZ | | | Astr. MD | | 10:06 | 00:32 | —:— | | 03:31 | 59m | 04:30 | 45m | 05:15 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:09 | | —:— | 7h 51m | | 00:49* – 03:31* | 2h 41m | M↘ bis ND– | Fr, 23. Jun |
| Sa, 24. Jun | MESZ | | | Astr. MD | | 11:14 | 00:49 | —:— | | 03:31 | 59m | 04:30 | 45m | 05:16 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:09 | | —:— | 7h 51m | | 01:04* – 03:31* | 2h 27m | M↘ bis ND– | Sa, 24. Jun |
| So, 25. Jun | MESZ | | | Astr. MD | | 12:22 | 01:04 | —:— | | 03:31 | 59m | 04:31 | 45m | 05:16 | 16h 08m | 21:24 | 45m | 22:09 | 59m | 23:09 | | —:— | 7h 52m | | 01:18* – 03:32* | 2h 14m | M↘ bis ND– | So, 25. Jun |
| Mo, 26. Jun | MESZ | | | Astr. MD | ◐ | 13:30 | 01:18 | —:— | | 03:32 | 59m | 04:31 | 45m | 05:16 | 16h 07m | 21:24 | 45m | 22:09 | 59m | 23:08 | | —:— | 7h 52m | | 01:31* – 03:33* | 2h 01m | M↘ bis ND– | Mo, 26. Jun |
| Di, 27. Jun | MESZ | | | Astr. MD | | 14:39 | 01:31 | —:— | | 03:33 | 59m | 04:32 | 45m | 05:17 | 16h 07m | 21:24 | 44m | 22:09 | 59m | 23:08 | | —:— | 7h 52m | | 01:46* – 03:33* | 1h 47m | M↘ bis ND– | Di, 27. Jun |
| Mi, 28. Jun | MESZ | | | Astr. MD | | 15:52 | 01:46 | —:— | | 03:33 | 59m | 04:32 | 44m | 05:17 | 16h 06m | 21:24 | 44m | 22:09 | 58m | 23:08 | | —:— | 7h 53m | | 02:03* – 03:34* | 1h 31m | M↘ bis ND– | Mi, 28. Jun |
| Do, 29. Jun | MESZ | | | Astr. MD | | 17:09 | 02:03 | —:— | | 03:34 | 58m | 04:33 | 44m | 05:18 | 16h 06m | 21:24 | 44m | 22:09 | 58m | 23:08 | | —:— | 7h 54m | | 02:24* – 03:35* | 1h 10m | M↘ bis ND– | Do, 29. Jun |
| Fr, 30. Jun | MESZ | —:——:— | – | Mond stört | | 18:30 | 02:24 | —:— | | 03:35 | 58m | 04:33 | 44m | 05:18 | 16h 05m | 21:24 | 44m | 22:09 | 58m | 23:07 | 2h 05m | 01:13* | 7h 55m | 16m | | | | Fr, 30. Jun |
| Sa, 1. Jul | MESZ | —:——:— | – | Mond stört | | 19:52 | 02:53 | 01:30 | 2h 05m | 03:36 | 58m | 04:34 | 44m | 05:19 | 16h 04m | 21:24 | 44m | 22:08 | 58m | 23:07 | 1h 58m | 01:05* | 7h 55m | 32m | | | | Sa, 1. Jul |
| So, 2. Jul | MESZ | —:——:— | – | Mond stört | | 21:08 | 03:34 | 01:38 | 1h 58m | 03:37 | 58m | 04:35 | 44m | 05:19 | 16h 03m | 21:23 | 44m | 22:08 | 58m | 23:06 | 1h 53m | 01:00* | 7h 56m | 43m | | | | So, 2. Jul |
| Mo, 3. Jul | MESZ | —:——:— | – | Mond stört | ○ | 22:10 | 04:32 | 01:44 | 1h 53m | 03:38 | 58m | 04:36 | 44m | 05:20 | 16h 02m | 21:23 | 44m | 22:08 | 57m | 23:05 | 1h 50m | 00:55* | 7h 57m | 53m | | | | Mo, 3. Jul |
| Di, 4. Jul | MESZ | —:——:— | – | Mond stört | | 22:55 | 05:46 | 01:49 | 1h 50m | 03:39 | 57m | 04:36 | 44m | 05:21 | 16h 01m | 21:23 | 44m | 22:07 | 57m | 23:05 | 1h 46m | 00:51* | 7h 58m | 1h 01m | | | | Di, 4. Jul |
| Mi, 5. Jul | MESZ | —:——:— | – | Mond stört | | 23:28 | 07:13 | 01:53 | 1h 46m | 03:40 | 57m | 04:37 | 44m | 05:22 | 16h 00m | 21:22 | 44m | 22:07 | 57m | 23:04 | 1h 43m | 00:47* | 8h 00m | 1h 09m | | | | Mi, 5. Jul |
| Do, 6. Jul | MESZ | —:——:— | – | Mond stört | | 23:53 | 08:43 | 01:57 | 1h 43m | 03:41 | 57m | 04:38 | 44m | 05:22 | 15h 59m | 21:22 | 44m | 22:06 | 56m | 23:03 | 1h 40m | 00:44* | 8h 01m | 1h 17m | | | | Do, 6. Jul |
| Fr, 7. Jul | MESZ | —:——:— | – | Mond stört | | —:— | 10:10 | 02:01 | 1h 40m | 03:42 | 56m | 04:39 | 44m | 05:23 | 15h 58m | 21:21 | 43m | 22:05 | 56m | 23:02 | 1h 38m | 00:40* | 8h 02m | 1h 25m | | | | Fr, 7. Jul |
| Sa, 8. Jul | MESZ | —:——:— | – | Mond stört | | 00:12 | 11:33 | 02:05 | 1h 38m | 03:43 | 56m | 04:40 | 43m | 05:24 | 15h 56m | 21:21 | 43m | 22:05 | 56m | 23:01 | 1h 35m | 00:37* | 8h 03m | 1h 32m | | | | Sa, 8. Jul |
| So, 9. Jul | MESZ | 00:33* – 00:45* | 11m | AN+ bis M↗ | | 00:29 | 12:53 | 02:09 | 1h 35m | 03:45 | 56m | 04:41 | 43m | 05:25 | 15h 55m | 21:20 | 43m | 22:04 | 56m | 23:00 | 1h 33m | 00:33* | 8h 05m | 1h 39m | | | | So, 9. Jul |
| Mo, 10. Jul | MESZ | 00:30* – 01:02* | 31m | AN+ bis M↗ | ◑ | 00:45 | 14:11 | 02:13 | 1h 33m | 03:46 | 56m | 04:42 | 43m | 05:26 | 15h 53m | 21:20 | 43m | 22:03 | 55m | 22:59 | 1h 31m | 00:30* | 8h 07m | 1h 46m | | | | Mo, 10. Jul |
| Di, 11. Jul | MESZ | 00:27* – 01:20* | 53m | AN+ bis M↗ | | 01:02 | 15:28 | 02:16 | 1h 31m | 03:47 | 55m | 04:43 | 43m | 05:27 | 15h 52m | 21:19 | 43m | 22:02 | 55m | 22:58 | 1h 28m | 00:27* | 8h 08m | 1h 53m | | | | Di, 11. Jul |
| Mi, 12. Jul | MESZ | 00:23* – 01:43* | 1h 19m | AN+ bis M↗ | | 01:20 | 16:45 | 02:20 | 1h 28m | 03:49 | 55m | 04:44 | 43m | 05:28 | 15h 50m | 21:18 | 43m | 22:01 | 54m | 22:56 | 1h 26m | 00:23* | 8h 10m | 2h 00m | | | | Mi, 12. Jul |
| Do, 13. Jul | MESZ | 00:20* – 02:11* | 1h 51m | AN+ bis M↗ | | 01:43 | 18:00 | 02:23 | 1h 26m | 03:50 | 54m | 04:45 | 43m | 05:29 | 15h 48m | 21:17 | 43m | 22:01 | 54m | 22:55 | 1h 25m | 00:20* | 8h 12m | 2h 06m | | | | Do, 13. Jul |
| Fr, 14. Jul | MESZ | 00:17* – 02:30* | 2h 13m | AN+ bis AN– | | 02:11 | 19:10 | 02:27 | 1h 25m | 03:52 | 54m | 04:46 | 43m | 05:30 | 15h 47m | 21:17 | 42m | 22:00 | 54m | 22:54 | 1h 23m | 00:17* | 8h 13m | 2h 13m | | | | Fr, 14. Jul |
| Sa, 15. Jul | MESZ | 00:14* – 02:34* | 2h 19m | AN+ bis AN– | | 02:48 | 20:13 | 02:30 | 1h 23m | 03:53 | 54m | 04:48 | 42m | 05:31 | 15h 45m | 21:16 | 42m | 21:59 | 53m | 22:52 | 1h 21m | 00:14* | 8h 15m | 2h 19m | | | | Sa, 15. Jul |
| So, 16. Jul | MESZ | 00:11* – 02:37* | 2h 26m | AN+ bis AN– | | 03:35 | 21:04 | 02:34 | 1h 21m | 03:55 | 53m | 04:49 | 42m | 05:32 | 15h 43m | 21:15 | 42m | 21:57 | 53m | 22:51 | 1h 19m | 00:11* | 8h 17m | 2h 26m | | | | So, 16. Jul |
| Mo, 17. Jul | MESZ | 00:08* – 02:40* | 2h 32m | AN+ bis AN– | ● | 04:33 | 21:44 | 02:37 | 1h 19m | 03:57 | 53m | 04:50 | 42m | 05:33 | 15h 41m | 21:14 | 42m | 21:56 | 53m | 22:50 | 1h 18m | 00:08* | 8h 19m | 2h 32m | | | | Mo, 17. Jul |
| Di, 18. Jul | MESZ | 00:05* – 02:43* | 2h 38m | AN+ bis AN– | | 05:38 | 22:14 | 02:40 | 1h 18m | 03:58 | 53m | 04:51 | 42m | 05:34 | 15h 39m | 21:13 | 42m | 21:55 | 52m | 22:48 | 1h 16m | 00:05* | 8h 21m | 2h 38m | | | | Di, 18. Jul |
| Mi, 19. Jul | MESZ | 00:02* – 02:47* | 2h 45m | AN+ bis AN– | | 06:46 | 22:37 | 02:43 | 1h 16m | 04:00 | 52m | 04:53 | 42m | 05:35 | 15h 37m | 21:12 | 41m | 21:54 | 52m | 22:46 | 1h 15m | 00:02* | 8h 23m | 2h 45m | | | | Mi, 19. Jul |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Do, 20. Jul | MESZ | 23:58 – 02:50* | 2h 51m | $AN_+$ bis $AN_-$ | | 07:55 | 22:55 | 02:47 | 1h 15m | 04:02 | 52m | 04:54 | 41m | 05:36 | 15h 35m | 21:11 | 41m | 21:53 | 51m | 22:45 | 1h 13m | 23:58 | 8h 26m | 2h 51m | | | | Do, 20. Jul |
| Fr, 21. Jul | MESZ | 23:55 – 02:53* | 2h 57m | $AN_+$ bis $AN_-$ | | 09:04 | 23:10 | 02:50 | 1h 13m | 04:03 | 51m | 04:55 | 41m | 05:37 | 15h 32m | 21:10 | 41m | 21:52 | 51m | 22:43 | 1h 12m | 23:55 | 8h 28m | 2h 57m | | | | Fr, 21. Jul |
| Sa, 22. Jul | MESZ | 23:52 – 02:56* | 3h 03m | $AN_+$ bis $AN_-$ | | 10:11 | 23:24 | 02:53 | 1h 12m | 04:05 | 51m | 04:57 | 41m | 05:38 | 15h 30m | 21:09 | 41m | 21:50 | 51m | 22:41 | 1h 10m | 23:52 | 8h 30m | 3h 03m | | | | Sa, 22. Jul |
| So, 23. Jul | MESZ | 23:49 – 02:59* | 3h 09m | $AN_+$ bis $AN_-$ | | 11:18 | 23:37 | 02:56 | 1h 10m | 04:07 | 51m | 04:58 | 41m | 05:40 | 15h 28m | 21:08 | 41m | 21:49 | 50m | 22:40 | 1h 09m | 23:49 | 8h 33m | 3h 09m | | | | So, 23. Jul |
| Mo, 24. Jul | MESZ | 23:51 – 03:02* | 3h 11m | $M_\searrow$ bis $AN_-$ | | 12:25 | 23:51 | 02:59 | 1h 09m | 04:09 | 50m | 05:00 | 41m | 05:41 | 15h 25m | 21:07 | 41m | 21:48 | 50m | 22:38 | 1h 08m | 23:46 | 8h 35m | 3h 15m | | | | Mo, 24. Jul |
| Di, 25. Jul | MESZ | 00:06* – 03:05* | 2h 59m | $M_\searrow$ bis $AN_-$ | | 13:35 | —:— | 03:02 | 1h 08m | 04:11 | 50m | 05:01 | 41m | 05:42 | 15h 23m | 21:05 | 40m | 21:46 | 49m | 22:36 | 1h 07m | 23:43 | 8h 37m | 3h 21m | | | | Di, 25. Jul |
| Mi, 26. Jul | MESZ | 00:25* – 03:08* | 2h 43m | $M_\searrow$ bis $AN_-$ | ◐ | 14:49 | 00:06 | 03:05 | 1h 07m | 04:12 | 50m | 05:02 | 40m | 05:43 | 15h 20m | 21:04 | 40m | 21:45 | 49m | 22:34 | 1h 06m | 23:41 | 8h 40m | 3h 27m | | | | Mi, 26. Jul |
| Do, 27. Jul | MESZ | 00:49* – 03:11* | 2h 21m | $M_\searrow$ bis $AN_-$ | | 16:06 | 00:25 | 03:08 | 1h 06m | 04:14 | 49m | 05:04 | 40m | 05:45 | 15h 18m | 21:03 | 40m | 21:43 | 49m | 22:33 | 1h 05m | 23:38 | 8h 42m | 3h 33m | | | | Do, 27. Jul |
| Fr, 28. Jul | MESZ | 01:23* – 03:14* | 1h 50m | $M_\searrow$ bis $AN_-$ | | 17:26 | 00:49 | 03:11 | 1h 05m | 04:16 | 49m | 05:05 | 40m | 05:46 | 15h 15m | 21:02 | 40m | 21:42 | 48m | 22:31 | 1h 03m | 23:35 | 8h 45m | 3h 39m | | | | Fr, 28. Jul |
| Sa, 29. Jul | MESZ | 02:11* – 03:17* | 1h 05m | $M_\searrow$ bis $AN_-$ | | 18:44 | 01:23 | 03:14 | 1h 03m | 04:18 | 48m | 05:07 | 40m | 05:47 | 15h 13m | 21:00 | 40m | 21:40 | 48m | 22:29 | 1h 02m | 23:32 | 8h 48m | 3h 45m | | | | Sa, 29. Jul |
| So, 30. Jul | MESZ | 03:17* – 03:20* | 2m | $M_\searrow$ bis $AN_-$ | | 19:52 | 02:11 | 03:17 | 1h 02m | 04:20 | 48m | 05:08 | 40m | 05:48 | 15h 10m | 20:59 | 39m | 21:39 | 48m | 22:27 | 1h 01m | 23:29 | 8h 50m | 3h 50m | | | | So, 30. Jul |
| Mo, 31. Jul | MESZ | —:——:— | – | Mond stört | | 20:46 | 03:17 | 03:20 | 1h 01m | 04:22 | 48m | 05:10 | 39m | 05:50 | 15h 07m | 20:57 | 39m | 21:37 | 47m | 22:25 | 1h 01m | 23:26 | 8h 53m | 3h 56m | | | | Mo, 31. Jul |
| Di, 1. Aug | MESZ | —:——:— | – | Mond stört | ○ | 21:25 | 04:40 | 03:23 | 1h 01m | 04:24 | 47m | 05:11 | 39m | 05:51 | 15h 05m | 20:56 | 39m | 21:35 | 47m | 22:23 | 1h 00m | 23:23 | 8h 56m | 4h 02m | | | | Di, 1. Aug |
| Mi, 2. Aug | MESZ | —:——:— | – | Mond stört | | 21:53 | 06:10 | 03:25 | 1h 00m | 04:25 | 47m | 05:13 | 39m | 05:52 | 15h 02m | 20:55 | 39m | 21:34 | 47m | 22:21 | 59m | 23:20 | 8h 59m | 4h 08m | | | | Mi, 2. Aug |
| Do, 3. Aug | MESZ | —:——:— | – | Mond stört | | 22:15 | 07:42 | 03:28 | 59m | 04:27 | 47m | 05:14 | 39m | 05:54 | 14h 59m | 20:53 | 39m | 21:32 | 46m | 22:19 | 58m | 23:17 | 9h 01m | 4h 13m | | | | Do, 3. Aug |
| Fr, 4. Aug | MESZ | —:——:— | – | Mond stört | | 22:33 | 09:10 | 03:31 | 58m | 04:29 | 46m | 05:16 | 39m | 05:55 | 14h 56m | 20:52 | 38m | 21:30 | 46m | 22:17 | 57m | 23:14 | 9h 04m | 4h 19m | | | | Fr, 4. Aug |
| Sa, 5. Aug | MESZ | —:——:— | – | Mond stört | | 22:50 | 10:34 | 03:34 | 57m | 04:31 | 46m | 05:17 | 38m | 05:56 | 14h 53m | 20:50 | 38m | 21:29 | 45m | 22:15 | 56m | 23:11 | 9h 07m | 4h 24m | | | | Sa, 5. Aug |
| So, 6. Aug | MESZ | —:——:— | – | Mond stört | | 23:07 | 11:56 | 03:36 | 56m | 04:33 | 45m | 05:19 | 38m | 05:58 | 14h 50m | 20:48 | 38m | 21:27 | 45m | 22:13 | 55m | 23:08 | 9h 10m | 4h 30m | | | | So, 6. Aug |
| Mo, 7. Aug | MESZ | 23:06 – 23:25 | 19m | $AN_+$ bis $M_\nearrow$ | | 23:25 | 13:16 | 03:39 | 55m | 04:35 | 45m | 05:20 | 38m | 05:59 | 14h 47m | 20:47 | 38m | 21:25 | 45m | 22:10 | 55m | 23:06 | 9h 13m | 4h 35m | | | | Mo, 7. Aug |
| Di, 8. Aug | MESZ | 23:03 – 23:46 | 43m | $AN_+$ bis $M_\nearrow$ | ◑ | 23:46 | 14:34 | 03:41 | 55m | 04:37 | 45m | 05:22 | 38m | 06:00 | 14h 44m | 20:45 | 38m | 21:23 | 44m | 22:08 | 54m | 23:03 | 9h 16m | 4h 41m | | | | Di, 8. Aug |
| Mi, 9. Aug | MESZ | 23:00 – 00:13* | 1h 12m | $AN_+$ bis $M_\nearrow$ | | —:— | 15:51 | 03:44 | 54m | 04:39 | 44m | 05:24 | 38m | 06:02 | 14h 41m | 20:44 | 37m | 21:21 | 44m | 22:06 | 53m | 23:00 | 9h 19m | 4h 46m | | | | Mi, 9. Aug |
| Do, 10. Aug | MESZ | 22:57 – 00:47* | 1h 49m | $AN_+$ bis $M_\nearrow$ | | 00:13 | 17:03 | 03:47 | 53m | 04:40 | 44m | 05:25 | 37m | 06:03 | 14h 38m | 20:42 | 37m | 21:20 | 44m | 22:04 | 53m | 22:57 | 9h 22m | 4h 52m | | | | Do, 10. Aug |
| Fr, 11. Aug | MESZ | 22:54 – 01:31* | 2h 36m | $AN_+$ bis $M_\nearrow$ | | 00:47 | 18:08 | 03:49 | 53m | 04:42 | 44m | 05:27 | 37m | 06:04 | 14h 35m | 20:40 | 37m | 21:18 | 44m | 22:02 | 52m | 22:54 | 9h 25m | 4h 57m | | | | Fr, 11. Aug |
| Sa, 12. Aug | MESZ | 22:51 – 02:26* | 3h 34m | $AN_+$ bis $M_\nearrow$ | | 01:31 | 19:03 | 03:52 | 52m | 04:44 | 44m | 05:28 | 37m | 06:06 | 14h 32m | 20:38 | 37m | 21:16 | 43m | 22:00 | 51m | 22:51 | 9h 28m | 5h 02m | | | | Sa, 12. Aug |
| So, 13. Aug | MESZ | 22:49 – 03:29* | 4h 39m | $AN_+$ bis $M_\nearrow$ | | 02:26 | 19:45 | 03:54 | 51m | 04:46 | 43m | 05:30 | 37m | 06:07 | 14h 29m | 20:37 | 37m | 21:14 | 43m | 21:57 | 51m | 22:49 | 9h 31m | 5h 08m | | | | So, 13. Aug |
| Mo, 14. Aug | MESZ | 22:46 – 03:59* | 5h 13m | $AN_+$ bis $AN_-$ | | 03:29 | 20:17 | 03:57 | 51m | 04:48 | 43m | 05:31 | 37m | 06:09 | 14h 26m | 20:35 | 37m | 21:12 | 43m | 21:55 | 50m | 22:46 | 9h 35m | 5h 13m | | | | Mo, 14. Aug |
| Di, 15. Aug | MESZ | 22:43 – 04:01* | 5h 18m | $AN_+$ bis $AN_-$ | | 04:36 | 20:42 | 03:59 | 50m | 04:50 | 43m | 05:33 | 37m | 06:10 | 14h 23m | 20:33 | 36m | 21:10 | 42m | 21:53 | 50m | 22:43 | 9h 38m | 5h 18m | | | | Di, 15. Aug |
| Mi, 16. Aug | MESZ | 22:40 – 04:04* | 5h 23m | $AN_+$ bis $AN_-$ | ● | 05:46 | 21:01 | 04:01 | 50m | 04:52 | 42m | 05:34 | 36m | 06:11 | 14h 19m | 20:31 | 36m | 21:08 | 42m | 21:51 | 49m | 22:40 | 9h 41m | 5h 23m | | | | Mi, 16. Aug |
| Do, 17. Aug | MESZ | 22:37 – 04:06* | 5h 28m | $AN_+$ bis $AN_-$ | | 06:54 | 21:17 | 04:04 | 49m | 04:53 | 42m | 05:36 | 36m | 06:13 | 14h 16m | 20:30 | 36m | 21:06 | 42m | 21:48 | 49m | 22:37 | 9h 44m | 5h 28m | | | | Do, 17. Aug |
| Fr, 18. Aug | MESZ | 22:35 – 04:09* | 5h 33m | $AN_+$ bis $AN_-$ | | 08:02 | 21:31 | 04:06 | 49m | 04:55 | 42m | 05:38 | 36m | 06:14 | 14h 13m | 20:28 | 36m | 21:04 | 42m | 21:46 | 48m | 22:35 | 9h 47m | 5h 33m | | | | Fr, 18. Aug |
| Sa, 19. Aug | MESZ | 22:32 – 04:11* | 5h 38m | $AN_+$ bis $AN_-$ | | 09:09 | 21:44 | 04:09 | 48m | 04:57 | 42m | 05:39 | 36m | 06:16 | 14h 10m | 20:26 | 36m | 21:02 | 41m | 21:44 | 48m | 22:32 | 9h 51m | 5h 38m | | | | Sa, 19. Aug |
| So, 20. Aug | MESZ | 22:29 – 04:13* | 5h 43m | $AN_+$ bis $AN_-$ | | 10:16 | 21:57 | 04:11 | 48m | 04:59 | 41m | 05:41 | 36m | 06:17 | 14h 07m | 20:24 | 36m | 21:00 | 41m | 21:42 | 47m | 22:29 | 9h 54m | 5h 43m | | | | So, 20. Aug |
| Mo, 21. Aug | MESZ | 22:26 – 04:15* | 5h 48m | $AN_+$ bis $AN_-$ | | 11:25 | 22:12 | 04:13 | 47m | 05:01 | 41m | 05:42 | 36m | 06:18 | 14h 03m | 20:22 | 36m | 20:58 | 41m | 21:39 | 47m | 22:26 | 9h 57m | 5h 48m | | | | Mo, 21. Aug |
| Di, 22. Aug | MESZ | 22:28 – 04:18* | 5h 49m | $M_\searrow$ bis $AN_-$ | | 12:36 | 22:28 | 04:15 | 47m | 05:03 | 41m | 05:44 | 36m | 06:20 | 14h 00m | 20:20 | 35m | 20:56 | 40m | 21:37 | 46m | 22:24 | 10h 00m | 5h 53m | | | | Di, 22. Aug |
| Mi, 23. Aug | MESZ | 22:50 – 04:20* | 5h 30m | $M_\searrow$ bis $AN_-$ | | 13:50 | 22:50 | 04:18 | 46m | 05:04 | 41m | 05:45 | 35m | 06:21 | 13h 57m | 20:18 | 35m | 20:54 | 40m | 21:35 | 46m | 22:21 | 10h 04m | 5h 58m | | | | Mi, 23. Aug |
| Do, 24. Aug | MESZ | 23:18 – 04:22* | 5h 03m | $M_\searrow$ bis $AN_-$ | ◐ | 15:07 | 23:18 | 04:20 | 46m | 05:06 | 40m | 05:47 | 35m | 06:23 | 13h 53m | 20:16 | 35m | 20:52 | 40m | 21:33 | 45m | 22:18 | 10h 07m | 6h 03m | | | | Do, 24. Aug |
| Fr, 25. Aug | MESZ | 23:58 – 04:24* | 4h 25m | $M_\searrow$ bis $AN_-$ | | 16:24 | 23:58 | 04:22 | 45m | 05:08 | 40m | 05:48 | 35m | 06:24 | 13h 50m | 20:14 | 35m | 20:50 | 40m | 21:30 | 45m | 22:16 | 10h 10m | 6h 08m | | | | Fr, 25. Aug |
| Sa, 26. Aug | MESZ | 00:54* – 04:26* | 3h 32m | $M_\searrow$ bis $AN_-$ | | 17:35 | —:— | 04:24 | 45m | 05:10 | 40m | 05:50 | 35m | 06:25 | 13h 47m | 20:12 | 35m | 20:48 | 40m | 21:28 | 44m | 22:13 | 10h 14m | 6h 13m | | | | Sa, 26. Aug |
| So, 27. Aug | MESZ | 02:08* – 04:28* | 2h 20m | $M_\searrow$ bis $AN_-$ | | 18:34 | 00:54 | 04:26 | 44m | 05:11 | 40m | 05:51 | 35m | 06:27 | 13h 43m | 20:11 | 35m | 20:46 | 39m | 21:26 | 44m | 22:10 | 10h 17m | 6h 18m | | | | So, 27. Aug |
| Mo, 28. Aug | MESZ | 03:34* – 04:31* | 56m | $M_\searrow$ bis $AN_-$ | | 19:18 | 02:08 | 04:28 | 44m | 05:13 | 39m | 05:53 | 35m | 06:28 | 13h 40m | 20:09 | 35m | 20:44 | 39m | 21:23 | 44m | 22:08 | 10h 21m | 6h 23m | | | | Mo, 28. Aug |
| Di, 29. Aug | MESZ | —:——:— | – | Mond stört | | 19:51 | 03:34 | 04:31 | 44m | 05:15 | 39m | 05:54 | 35m | 06:30 | 13h 36m | 20:07 | 34m | 20:42 | 39m | 21:21 | 43m | 22:05 | 10h 24m | 6h 27m | | | | Di, 29. Aug |
| Mi, 30. Aug | MESZ | —:——:— | – | Mond stört | | 20:16 | 05:05 | 04:33 | 43m | 05:16 | 39m | 05:56 | 35m | 06:31 | 13h 33m | 20:05 | 34m | 20:39 | 39m | 21:19 | 43m | 22:02 | 10h 27m | 6h 32m | | | | Mi, 30. Aug |
| Do, 31. Aug | MESZ | —:——:— | – | Mond stört | ○ | 20:36 | 06:36 | 04:35 | 43m | 05:18 | 39m | 05:57 | 34m | 06:32 | 13h 30m | 20:03 | 34m | 20:37 | 39m | 21:16 | 43m | 22:00 | 10h 31m | 6h 37m | | | | Do, 31. Aug |
| Fr, 1. Sep | MESZ | —:——:— | – | Mond stört | | 20:53 | 08:04 | 04:37 | 43m | 05:20 | 39m | 05:59 | 34m | 06:34 | 13h 26m | 20:00 | 34m | 20:35 | 38m | 21:14 | 42m | 21:57 | 10h 34m | 6h 41m | | | | Fr, 1. Sep |
| Sa, 2. Sep | MESZ | —:——:— | – | Mond stört | | 21:10 | 09:30 | 04:39 | 42m | 05:22 | 38m | 06:00 | 34m | 06:35 | 13h 23m | 19:58 | 34m | 20:33 | 38m | 21:12 | 42m | 21:54 | 10h 38m | 6h 46m | | | | Sa, 2. Sep |
| So, 3. Sep | MESZ | —:——:— | – | Mond stört | | 21:28 | 10:53 | 04:41 | 42m | 05:23 | 38m | 06:02 | 34m | 06:37 | 13h 19m | 19:56 | 34m | 20:31 | 38m | 21:09 | 42m | 21:52 | 10h 41m | 6h 50m | | | | So, 3. Sep |
| Mo, 4. Sep | MESZ | —:——:— | – | Mond stört | | 21:48 | 12:15 | 04:43 | 42m | 05:25 | 38m | 06:03 | 34m | 06:38 | 13h 16m | 19:54 | 34m | 20:29 | 38m | 21:07 | 41m | 21:49 | 10h 45m | 6h 55m | | | | Mo, 4. Sep |
| Di, 5. Sep | MESZ | 21:46 – 22:13 | 26m | $AN_+$ bis $M_\nearrow$ | | 22:13 | 13:36 | 04:45 | 41m | 05:27 | 38m | 06:05 | 34m | 06:39 | 13h 12m | 19:52 | 34m | 20:27 | 38m | 21:05 | 41m | 21:46 | 10h 48m | 7h 00m | | | | Di, 5. Sep |
| Mi, 6. Sep | MESZ | 21:44 – 22:45 | 1h 01m | $AN_+$ bis $M_\nearrow$ | | 22:45 | 14:52 | 04:47 | 41m | 05:28 | 38m | 06:06 | 34m | 06:41 | 13h 09m | 19:50 | 34m | 20:24 | 38m | 21:02 | 41m | 21:44 | 10h 51m | 7h 04m | | | | Mi, 6. Sep |
| Do, 7. Sep | MESZ | 21:41 – 23:26 | 1h 45m | $AN_+$ bis $M_\nearrow$ | ◑ | 23:26 | 16:02 | 04:48 | 41m | 05:30 | 38m | 06:08 | 34m | 06:42 | 13h 05m | 19:48 | 34m | 20:22 | 37m | 21:00 | 41m | 21:41 | 10h 55m | 7h 09m | | | | Do, 7. Sep |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Fr, 8. Sep | MESZ | 21:39 – 00:18* | 2h 39m | $AN_+$ bis $M_↗$ | | —:— | 17:00 | 04:50 | 41m | 05:31 | 37m | 06:09 | 34m | 06:44 | 13h 02m | 19:46 | 34m | 20:20 | 37m | 20:58 | 40m | 21:39 | 10h 58m | 7h 13m | | | | Fr, 8. Sep |
| Sa, 9. Sep | MESZ | 21:36 – 01:19* | 3h 42m | $AN_+$ bis $M_↗$ | | 00:18 | 17:46 | 04:52 | 40m | 05:33 | 37m | 06:11 | 34m | 06:45 | 12h 59m | 19:44 | 33m | 20:18 | 37m | 20:56 | 40m | 21:36 | 11h 02m | 7h 17m | | | | Sa, 9. Sep |
| So, 10. Sep | MESZ | 21:34 – 02:26* | 4h 52m | $AN_+$ bis $M_↗$ | | 01:19 | 18:21 | 04:54 | 40m | 05:35 | 37m | 06:12 | 33m | 06:46 | 12h 55m | 19:42 | 33m | 20:16 | 37m | 20:53 | 40m | 21:34 | 11h 05m | 7h 22m | | | | So, 10. Sep |
| Mo, 11. Sep | MESZ | 21:31 – 03:35* | 6h 04m | $AN_+$ bis $M_↗$ | | 02:26 | 18:48 | 04:56 | 40m | 05:36 | 37m | 06:14 | 33m | 06:48 | 12h 52m | 19:40 | 33m | 20:14 | 37m | 20:51 | 40m | 21:31 | 11h 09m | 7h 26m | | | | Mo, 11. Sep |
| Di, 12. Sep | MESZ | 21:29 – 04:45* | 7h 15m | $AN_+$ bis $M_↗$ | | 03:35 | 19:08 | 04:58 | 40m | 05:38 | 37m | 06:15 | 33m | 06:49 | 12h 48m | 19:38 | 33m | 20:11 | 37m | 20:49 | 39m | 21:29 | 11h 12m | 7h 30m | | | | Di, 12. Sep |
| Mi, 13. Sep | MESZ | 21:26 – 05:01* | 7h 35m | $AN_+$ bis $AN_-$ | | 04:45 | 19:25 | 04:59 | 40m | 05:40 | 37m | 06:17 | 33m | 06:51 | 12h 45m | 19:36 | 33m | 20:09 | 37m | 20:46 | 39m | 21:26 | 11h 16m | 7h 35m | | | | Mi, 13. Sep |
| Do, 14. Sep | MESZ | 21:24 – 05:03* | 7h 39m | $AN_+$ bis $AN_-$ | | 05:53 | 19:39 | 05:01 | 39m | 05:41 | 37m | 06:18 | 33m | 06:52 | 12h 41m | 19:34 | 33m | 20:07 | 36m | 20:44 | 39m | 21:24 | 11h 19m | 7h 39m | | | | Do, 14. Sep |
| Fr, 15. Sep | MESZ | 21:21 – 05:05* | 7h 43m | $AN_+$ bis $AN_-$ | ● | 07:00 | 19:52 | 05:03 | 39m | 05:43 | 37m | 06:20 | 33m | 06:53 | 12h 38m | 19:31 | 33m | 20:05 | 36m | 20:42 | 39m | 21:21 | 11h 23m | 7h 43m | | | | Fr, 15. Sep |
| Sa, 16. Sep | MESZ | 21:19 – 05:07* | 7h 47m | $AN_+$ bis $AN_-$ | | 08:08 | 20:05 | 05:05 | 39m | 05:44 | 36m | 06:21 | 33m | 06:55 | 12h 34m | 19:29 | 33m | 20:03 | 36m | 20:40 | 39m | 21:19 | 11h 26m | 7h 47m | | | | Sa, 16. Sep |
| So, 17. Sep | MESZ | 21:16 – 05:08* | 7h 52m | $AN_+$ bis $AN_-$ | | 09:16 | 20:19 | 05:07 | 39m | 05:46 | 36m | 06:23 | 33m | 06:56 | 12h 31m | 19:27 | 33m | 20:01 | 36m | 20:37 | 38m | 21:16 | 11h 30m | 7h 52m | | | | So, 17. Sep |
| Mo, 18. Sep | MESZ | 21:14 – 05:10* | 7h 56m | $AN_+$ bis $AN_-$ | | 10:27 | 20:35 | 05:08 | 39m | 05:47 | 36m | 06:24 | 33m | 06:58 | 12h 27m | 19:25 | 33m | 19:58 | 36m | 20:35 | 38m | 21:14 | 11h 33m | 7h 56m | | | | Mo, 18. Sep |
| Di, 19. Sep | MESZ | 21:11 – 05:12* | 8h 00m | $AN_+$ bis $AN_-$ | | 11:40 | 20:54 | 05:10 | 38m | 05:49 | 36m | 06:25 | 33m | 06:59 | 12h 23m | 19:23 | 33m | 19:56 | 36m | 20:33 | 38m | 21:11 | 11h 37m | 8h 00m | | | | Di, 19. Sep |
| Mi, 20. Sep | MESZ | 21:19 – 05:13* | 7h 54m | $M_↘$ bis $AN_-$ | | 12:56 | 21:19 | 05:12 | 38m | 05:50 | 36m | 06:27 | 33m | 07:00 | 12h 20m | 19:21 | 33m | 19:54 | 36m | 20:31 | 38m | 21:09 | 11h 40m | 8h 04m | | | | Mi, 20. Sep |
| Do, 21. Sep | MESZ | 21:54 – 05:15* | 7h 21m | $M_↘$ bis $AN_-$ | | 14:12 | 21:54 | 05:13 | 38m | 05:52 | 36m | 06:28 | 33m | 07:02 | 12h 16m | 19:19 | 33m | 19:52 | 36m | 20:28 | 38m | 21:07 | 11h 44m | 8h 08m | | | | Do, 21. Sep |
| Fr, 22. Sep | MESZ | 22:42 – 05:17* | 6h 34m | $M_↘$ bis $AN_-$ | ◐ | 15:24 | 22:42 | 05:15 | 38m | 05:53 | 36m | 06:30 | 33m | 07:03 | 12h 13m | 19:17 | 33m | 19:50 | 36m | 20:26 | 38m | 21:04 | 11h 48m | 8h 12m | | | | Fr, 22. Sep |
| Sa, 23. Sep | MESZ | 23:47 – 05:18* | 5h 31m | $M_↘$ bis $AN_-$ | | 16:26 | 23:47 | 05:17 | 38m | 05:55 | 36m | 06:31 | 33m | 07:05 | 12h 09m | 19:14 | 33m | 19:48 | 36m | 20:24 | 38m | 21:02 | 11h 51m | 8h 16m | | | | Sa, 23. Sep |
| So, 24. Sep | MESZ | 01:06* – 05:20* | 4h 14m | $M_↘$ bis $AN_-$ | | 17:14 | —:— | 05:18 | 38m | 05:56 | 36m | 06:33 | 33m | 07:06 | 12h 06m | 19:12 | 33m | 19:46 | 36m | 20:22 | 37m | 21:00 | 11h 55m | 8h 20m | | | | So, 24. Sep |
| Mo, 25. Sep | MESZ | 02:33* – 05:22* | 2h 48m | $M_↘$ bis $AN_-$ | | 17:50 | 01:06 | 05:20 | 37m | 05:58 | 36m | 06:34 | 33m | 07:07 | 12h 02m | 19:10 | 33m | 19:43 | 36m | 20:20 | 37m | 20:57 | 11h 58m | 8h 24m | | | | Mo, 25. Sep |
| Di, 26. Sep | MESZ | 04:02* – 05:23* | 1h 21m | $M_↘$ bis $AN_-$ | | 18:17 | 02:33 | 05:22 | 37m | 05:59 | 36m | 06:36 | 33m | 07:09 | 11h 59m | 19:08 | 33m | 19:41 | 35m | 20:17 | 37m | 20:55 | 12h 02m | 8h 28m | | | | Di, 26. Sep |
| Mi, 27. Sep | MESZ | —:— – —:— | – | Mond stört | | 18:38 | 04:02 | 05:23 | 37m | 06:01 | 36m | 06:37 | 33m | 07:10 | 11h 55m | 19:06 | 33m | 19:39 | 35m | 20:15 | 37m | 20:53 | 12h 05m | 8h 32m | | | | Mi, 27. Sep |
| Do, 28. Sep | MESZ | —:— – —:— | – | Mond stört | | 18:56 | 05:30 | 05:25 | 37m | 06:02 | 35m | 06:38 | 33m | 07:12 | 11h 52m | 19:04 | 33m | 19:37 | 35m | 20:13 | 37m | 20:50 | 12h 09m | 8h 35m | | | | Do, 28. Sep |
| Fr, 29. Sep | MESZ | —:— – —:— | – | Mond stört | ○ | 19:13 | 06:57 | 05:26 | 37m | 06:04 | 35m | 06:40 | 33m | 07:13 | 11h 48m | 19:02 | 33m | 19:35 | 35m | 20:11 | 37m | 20:48 | 12h 12m | 8h 39m | | | | Fr, 29. Sep |
| Sa, 30. Sep | MESZ | —:— – —:— | – | Mond stört | | 19:30 | 08:22 | 05:28 | 37m | 06:05 | 35m | 06:41 | 33m | 07:15 | 11h 45m | 19:00 | 33m | 19:33 | 35m | 20:09 | 37m | 20:46 | 12h 16m | 8h 43m | | | | Sa, 30. Sep |
| So, 1. Okt | MESZ | —:— – —:— | – | Mond stört | | 19:49 | 09:47 | 05:30 | 37m | 06:07 | 35m | 06:43 | 33m | 07:16 | 11h 41m | 18:58 | 33m | 19:31 | 35m | 20:07 | 37m | 20:44 | 12h 19m | 8h 47m | | | | So, 1. Okt |
| Mo, 2. Okt | MESZ | —:— – —:— | – | Mond stört | | 20:12 | 11:10 | 05:31 | 37m | 06:08 | 35m | 06:44 | 33m | 07:17 | 11h 38m | 18:56 | 33m | 19:29 | 35m | 20:04 | 37m | 20:42 | 12h 23m | 8h 51m | | | | Mo, 2. Okt |
| Di, 3. Okt | MESZ | 20:39 – 20:42 | 2m | $AN_+$ bis $M_↗$ | | 20:42 | 12:32 | 05:33 | 37m | 06:10 | 35m | 06:46 | 33m | 07:19 | 11h 34m | 18:54 | 33m | 19:27 | 35m | 20:02 | 36m | 20:39 | 12h 26m | 8h 54m | | | | Di, 3. Okt |
| Mi, 4. Okt | MESZ | 20:37 – 21:20 | 42m | $AN_+$ bis $M_↗$ | | 21:20 | 13:47 | 05:34 | 37m | 06:11 | 35m | 06:47 | 33m | 07:20 | 11h 31m | 18:51 | 33m | 19:25 | 35m | 20:00 | 36m | 20:37 | 12h 30m | 8h 58m | | | | Mi, 4. Okt |
| Do, 5. Okt | MESZ | 20:35 – 22:09 | 1h 33m | $AN_+$ bis $M_↗$ | | 22:09 | 14:52 | 05:36 | 36m | 06:13 | 35m | 06:48 | 33m | 07:22 | 11h 27m | 18:49 | 33m | 19:23 | 35m | 19:58 | 36m | 20:35 | 12h 33m | 9h 02m | | | | Do, 5. Okt |
| Fr, 6. Okt | MESZ | 20:33 – 23:07 | 2h 34m | $AN_+$ bis $M_↗$ | ◑ | 23:07 | 15:44 | 05:37 | 36m | 06:14 | 35m | 06:50 | 33m | 07:23 | 11h 24m | 18:47 | 33m | 19:21 | 35m | 19:56 | 36m | 20:33 | 12h 37m | 9h 05m | | | | Fr, 6. Okt |
| Sa, 7. Okt | MESZ | 20:31 – 00:13* | 3h 42m | $AN_+$ bis $M_↗$ | | —:— | 16:23 | 05:39 | 36m | 06:16 | 35m | 06:51 | 33m | 07:25 | 11h 20m | 18:45 | 33m | 19:19 | 35m | 19:54 | 36m | 20:31 | 12h 40m | 9h 09m | | | | Sa, 7. Okt |
| So, 8. Okt | MESZ | 20:29 – 01:23* | 4h 53m | $AN_+$ bis $M_↗$ | | 00:13 | 16:52 | 05:40 | 36m | 06:17 | 35m | 06:53 | 33m | 07:26 | 11h 17m | 18:43 | 33m | 19:17 | 35m | 19:52 | 36m | 20:29 | 12h 44m | 9h 13m | | | | So, 8. Okt |
| Mo, 9. Okt | MESZ | 20:27 – 02:32* | 6h 05m | $AN_+$ bis $M_↗$ | | 01:23 | 17:15 | 05:42 | 36m | 06:19 | 35m | 06:54 | 33m | 07:28 | 11h 13m | 18:41 | 33m | 19:15 | 35m | 19:50 | 36m | 20:27 | 12h 47m | 9h 16m | | | | Mo, 9. Okt |
| Di, 10. Okt | MESZ | 20:25 – 03:41* | 7h 16m | $AN_+$ bis $M_↗$ | | 02:32 | 17:32 | 05:43 | 36m | 06:20 | 35m | 06:56 | 33m | 07:29 | 11h 10m | 18:39 | 33m | 19:13 | 35m | 19:48 | 36m | 20:25 | 12h 51m | 9h 20m | | | | Di, 10. Okt |
| Mi, 11. Okt | MESZ | 20:23 – 04:49* | 8h 26m | $AN_+$ bis $M_↗$ | | 03:41 | 17:47 | 05:45 | 36m | 06:21 | 35m | 06:57 | 33m | 07:31 | 11h 06m | 18:37 | 33m | 19:11 | 35m | 19:46 | 36m | 20:23 | 12h 54m | 9h 23m | | | | Mi, 11. Okt |
| Do, 12. Okt | MESZ | 20:21 – 05:48* | 9h 27m | $AN_+$ bis $AN_-$ | | 04:49 | 18:00 | 05:46 | 36m | 06:23 | 35m | 06:59 | 33m | 07:32 | 11h 03m | 18:35 | 33m | 19:09 | 35m | 19:44 | 36m | 20:21 | 12h 58m | 9h 27m | | | | Do, 12. Okt |
| Fr, 13. Okt | MESZ | 20:19 – 05:49* | 9h 30m | $AN_+$ bis $AN_-$ | | 05:56 | 18:13 | 05:48 | 36m | 06:24 | 35m | 07:00 | 33m | 07:34 | 10h 59m | 18:33 | 33m | 19:07 | 35m | 19:42 | 36m | 20:19 | 13h 01m | 9h 30m | | | | Fr, 13. Okt |
| Sa, 14. Okt | MESZ | 20:17 – 05:51* | 9h 34m | $AN_+$ bis $AN_-$ | ● | 07:05 | 18:27 | 05:49 | 36m | 06:26 | 35m | 07:01 | 33m | 07:35 | 10h 56m | 18:31 | 33m | 19:05 | 35m | 19:40 | 36m | 20:17 | 13h 05m | 9h 34m | | | | Sa, 14. Okt |
| So, 15. Okt | MESZ | 20:15 – 05:52* | 9h 37m | $AN_+$ bis $AN_-$ | | 08:16 | 18:42 | 05:51 | 36m | 06:27 | 35m | 07:03 | 33m | 07:37 | 10h 52m | 18:29 | 33m | 19:03 | 35m | 19:39 | 36m | 20:15 | 13h 08m | 9h 37m | | | | So, 15. Okt |
| Mo, 16. Okt | MESZ | 20:13 – 05:54* | 9h 40m | $AN_+$ bis $AN_-$ | | 09:29 | 19:00 | 05:52 | 36m | 06:29 | 35m | 07:04 | 33m | 07:38 | 10h 49m | 18:27 | 33m | 19:01 | 35m | 19:37 | 36m | 20:13 | 13h 12m | 9h 40m | | | | Mo, 16. Okt |
| Di, 17. Okt | MESZ | 20:11 – 05:55* | 9h 44m | $AN_+$ bis $AN_-$ | | 10:45 | 19:23 | 05:54 | 36m | 06:30 | 35m | 07:06 | 33m | 07:40 | 10h 45m | 18:25 | 33m | 18:59 | 35m | 19:35 | 36m | 20:11 | 13h 15m | 9h 44m | | | | Di, 17. Okt |
| Mi, 18. Okt | MESZ | 20:09 – 05:57* | 9h 47m | $AN_+$ bis $AN_-$ | | 12:02 | 19:55 | 05:55 | 36m | 06:32 | 35m | 07:07 | 33m | 07:41 | 10h 42m | 18:24 | 33m | 18:57 | 35m | 19:33 | 36m | 20:09 | 13h 19m | 9h 47m | | | | Mi, 18. Okt |
| Do, 19. Okt | MESZ | 20:38 – 05:58* | 9h 19m | $M_↘$ bis $AN_-$ | | 13:16 | 20:38 | 05:57 | 36m | 06:33 | 35m | 07:09 | 33m | 07:43 | 10h 39m | 18:22 | 33m | 18:56 | 35m | 19:31 | 36m | 20:07 | 13h 22m | 9h 50m | | | | Do, 19. Okt |
| Fr, 20. Okt | MESZ | 21:37 – 06:00* | 8h 22m | $M_↘$ bis $AN_-$ | | 14:21 | 21:37 | 05:58 | 36m | 06:34 | 35m | 07:10 | 33m | 07:44 | 10h 35m | 18:20 | 33m | 18:54 | 35m | 19:29 | 36m | 20:06 | 13h 25m | 9h 53m | | | | Fr, 20. Okt |
| Sa, 21. Okt | MESZ | 22:50 – 06:01* | 7h 11m | $M_↘$ bis $AN_-$ | | 15:12 | 22:50 | 06:00 | 36m | 06:36 | 35m | 07:12 | 33m | 07:46 | 10h 32m | 18:18 | 33m | 18:52 | 35m | 19:28 | 36m | 20:04 | 13h 29m | 9h 57m | | | | Sa, 21. Okt |
| So, 22. Okt | MESZ | 00:12* – 06:02* | 5h 50m | $M_↘$ bis $AN_-$ | ◐ | 15:51 | —:— | 06:01 | 36m | 06:37 | 35m | 07:13 | 34m | 07:47 | 10h 28m | 18:16 | 34m | 18:50 | 35m | 19:26 | 36m | 20:02 | 13h 32m | 10h 00m | | | | So, 22. Okt |
| Mo, 23. Okt | MESZ | 01:38* – 06:04* | 4h 25m | $M_↘$ bis $AN_-$ | | 16:19 | 00:12 | 06:02 | 36m | 06:39 | 35m | 07:15 | 34m | 07:49 | 10h 25m | 18:14 | 34m | 18:48 | 35m | 19:24 | 36m | 20:00 | 13h 36m | 10h 03m | | | | Mo, 23. Okt |
| Di, 24. Okt | MESZ | 03:04* – 06:05* | 3h 01m | $M_↘$ bis $AN_-$ | | 16:41 | 01:38 | 06:04 | 36m | 06:40 | 35m | 07:16 | 34m | 07:50 | 10h 22m | 18:12 | 34m | 18:47 | 35m | 19:23 | 36m | 19:59 | 13h 39m | 10h 06m | | | | Di, 24. Okt |
| Mi, 25. Okt | MESZ | 04:28* – 06:07* | 1h 38m | $M_↘$ bis $AN_-$ | | 17:00 | 03:04 | 06:05 | 36m | 06:42 | 35m | 07:18 | 34m | 07:52 | 10h 18m | 18:11 | 34m | 18:45 | 35m | 19:21 | 36m | 19:57 | 13h 42m | 10h 09m | | | | Mi, 25. Okt |
| Do, 26. Okt | MESZ | 05:52* – 06:08* | 16m | $M_↘$ bis $AN_-$ | | 17:16 | 04:28 | 06:07 | 36m | 06:43 | 36m | 07:19 | 34m | 07:53 | 10h 15m | 18:09 | 34m | 18:43 | 35m | 19:19 | 36m | 19:55 | 13h 46m | 10h 12m | | | | Do, 26. Okt |
| Fr, 27. Okt | MESZ | —:— – —:— | – | Mond stört | | 17:33 | 05:52 | 06:08 | 36m | 06:44 | 36m | 07:21 | 34m | 07:55 | 10h 12m | 18:07 | 34m | 18:42 | 36m | 19:18 | 36m | 19:54 | 13h 49m | 10h 15m | | | | Fr, 27. Okt |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023 |
| | zone | | Δt | | Ph. | ↗ | ↘ | Astr. | Δt | Naut. | Δt | Bürg. | Δt | ↗ | Δt | ↘ | Δt | Bürg. | Δt | Naut. | Δt | Astr. | Δt | Δt | | Δt | | |
| Sa, 28. Okt | MESZ | —:——:— | – | Mond stört | ○ | 17:51 | 07:16 | 06:10 | 36m | 06:46 | 36m | 07:22 | 34m | 07:57 | 10h 08m | 18:05 | 34m | 18:40 | 36m | 19:16 | 36m | 19:52 | 13h 52m | 10h 18m | | | | Sa, 28. Okt |
| So, 29. Okt | | —:——:— | – | Mond stört | | 17:12 | 07:40 | 05:11 | 36m | 05:47 | 36m | 06:23 | 34m | 06:58 | 10h 05m | 17:04 | 34m | 17:38 | 36m | 18:14 | 36m | 18:51 | 13h 55m | 10h 21m | | | | So, 29. Okt |
| Mo, 30. Okt | | —:——:— | – | Mond stört | | 17:38 | 09:04 | 05:12 | 36m | 05:49 | 36m | 06:25 | 34m | 07:00 | 10h 02m | 17:02 | 34m | 17:37 | 36m | 18:13 | 36m | 18:49 | 13h 59m | 10h 24m | | | | Mo, 30. Okt |
| Di, 31. Okt | | —:——:— | – | Mond stört | | 18:12 | 10:24 | 05:14 | 36m | 05:50 | 36m | 06:26 | 34m | 07:01 | 9h 59m | 17:00 | 34m | 17:35 | 36m | 18:11 | 36m | 18:48 | 14h 02m | 10h 27m | | | | Di, 31. Okt |
| Mi, 1. Nov | | 18:46 – 18:57 | 10m | AN+ bis M↗ | | 18:57 | 11:36 | 05:15 | 36m | 05:52 | 36m | 06:28 | 34m | 07:03 | 9h 55m | 16:59 | 34m | 17:34 | 36m | 18:10 | 36m | 18:46 | 14h 05m | 10h 30m | | | | Mi, 1. Nov |
| Do, 2. Nov | | 18:45 – 19:53 | 1h 08m | AN+ bis M↗ | | 19:53 | 12:35 | 05:16 | 36m | 05:53 | 36m | 06:29 | 35m | 07:04 | 9h 52m | 16:57 | 34m | 17:32 | 36m | 18:08 | 36m | 18:45 | 14h 08m | 10h 32m | | | | Do, 2. Nov |
| Fr, 3. Nov | | 18:44 – 20:58 | 2h 14m | AN+ bis M↗ | | 20:58 | 13:20 | 05:18 | 36m | 05:54 | 36m | 06:31 | 35m | 07:06 | 9h 49m | 16:56 | 35m | 17:31 | 36m | 18:07 | 36m | 18:44 | 14h 11m | 10h 35m | | | | Fr, 3. Nov |
| Sa, 4. Nov | | 18:42 – 22:07 | 3h 25m | AN+ bis M↗ | | 22:07 | 13:54 | 05:19 | 36m | 05:56 | 36m | 06:32 | 35m | 07:07 | 9h 46m | 16:54 | 35m | 17:29 | 36m | 18:06 | 36m | 18:42 | 14h 15m | 10h 38m | | | | Sa, 4. Nov |
| So, 5. Nov | | 18:41 – 23:17 | 4h 36m | AN+ bis M↗ | ◑ | 23:17 | 14:19 | 05:21 | 36m | 05:57 | 36m | 06:34 | 35m | 07:09 | 9h 43m | 16:52 | 35m | 17:28 | 36m | 18:04 | 36m | 18:41 | 14h 18m | 10h 41m | | | | So, 5. Nov |
| Mo, 6. Nov | | 18:40 – 00:26* | 5h 46m | AN+ bis M↗ | | —:— | 14:38 | 05:22 | 36m | 05:59 | 36m | 06:35 | 35m | 07:11 | 9h 40m | 16:51 | 35m | 17:26 | 36m | 18:03 | 36m | 18:40 | 14h 21m | 10h 43m | | | | Mo, 6. Nov |
| Di, 7. Nov | | 18:38 – 01:34* | 6h 56m | AN+ bis M↗ | | 00:26 | 14:54 | 05:23 | 36m | 06:00 | 36m | 06:37 | 35m | 07:12 | 9h 37m | 16:50 | 35m | 17:25 | 36m | 18:02 | 36m | 18:38 | 14h 24m | 10h 46m | | | | Di, 7. Nov |
| Mi, 8. Nov | | 18:37 – 02:42* | 8h 04m | AN+ bis M↗ | | 01:34 | 15:07 | 05:25 | 36m | 06:01 | 36m | 06:38 | 35m | 07:14 | 9h 34m | 16:48 | 35m | 17:24 | 36m | 18:00 | 36m | 18:37 | 14h 27m | 10h 48m | | | | Mi, 8. Nov |
| Do, 9. Nov | | 18:36 – 03:50* | 9h 13m | AN+ bis M↗ | | 02:42 | 15:20 | 05:26 | 36m | 06:03 | 36m | 06:40 | 35m | 07:15 | 9h 31m | 16:47 | 35m | 17:22 | 36m | 17:59 | 36m | 18:36 | 14h 30m | 10h 51m | | | | Do, 9. Nov |
| Fr, 10. Nov | | 18:35 – 05:00* | 10h 24m | AN+ bis M↗ | | 03:50 | 15:33 | 05:27 | 36m | 06:04 | 36m | 06:41 | 35m | 07:17 | 9h 28m | 16:45 | 35m | 17:21 | 36m | 17:58 | 36m | 18:35 | 14h 33m | 10h 53m | | | | Fr, 10. Nov |
| Sa, 11. Nov | | 18:34 – 05:30* | 10h 56m | AN+ bis AN− | | 05:00 | 15:48 | 05:29 | 36m | 06:05 | 37m | 06:43 | 35m | 07:18 | 9h 25m | 16:44 | 35m | 17:20 | 37m | 17:57 | 36m | 18:34 | 14h 36m | 10h 56m | | | | Sa, 11. Nov |
| So, 12. Nov | | 18:33 – 05:31* | 10h 58m | AN+ bis AN− | | 06:13 | 16:05 | 05:30 | 36m | 06:07 | 37m | 06:44 | 36m | 07:20 | 9h 22m | 16:43 | 36m | 17:19 | 37m | 17:56 | 36m | 18:33 | 14h 38m | 10h 58m | | | | So, 12. Nov |
| Mo, 13. Nov | | 18:32 – 05:33* | 11h 01m | AN+ bis AN− | ● | 07:29 | 16:26 | 05:31 | 36m | 06:08 | 37m | 06:45 | 36m | 07:22 | 9h 19m | 16:41 | 36m | 17:18 | 37m | 17:55 | 36m | 18:32 | 14h 41m | 11h 01m | | | | Mo, 13. Nov |
| Di, 14. Nov | | 18:31 – 05:34* | 11h 03m | AN+ bis AN− | | 08:47 | 16:55 | 05:33 | 36m | 06:10 | 37m | 06:47 | 36m | 07:23 | 9h 16m | 16:40 | 36m | 17:16 | 37m | 17:54 | 36m | 18:31 | 14h 44m | 11h 03m | | | | Di, 14. Nov |
| Mi, 15. Nov | | 18:30 – 05:35* | 11h 05m | AN+ bis AN− | | 10:04 | 17:35 | 05:34 | 36m | 06:11 | 37m | 06:48 | 36m | 07:25 | 9h 14m | 16:39 | 36m | 17:15 | 37m | 17:53 | 36m | 18:30 | 14h 47m | 11h 05m | | | | Mi, 15. Nov |
| Do, 16. Nov | | 18:30 – 05:37* | 11h 06m | M↘ bis AN− | | 11:14 | 18:30 | 05:35 | 37m | 06:12 | 37m | 06:50 | 36m | 07:26 | 9h 11m | 16:38 | 36m | 17:14 | 37m | 17:52 | 36m | 18:29 | 14h 49m | 11h 07m | | | | Do, 16. Nov |
| Fr, 17. Nov | | 19:40 – 05:38* | 9h 57m | M↘ bis AN− | | 12:10 | 19:40 | 05:37 | 37m | 06:14 | 37m | 06:51 | 36m | 07:28 | 9h 08m | 16:37 | 36m | 17:13 | 37m | 17:51 | 37m | 18:28 | 14h 52m | 11h 10m | | | | Fr, 17. Nov |
| Sa, 18. Nov | | 21:00 – 05:39* | 8h 38m | M↘ bis AN− | | 12:52 | 21:00 | 05:38 | 37m | 06:15 | 37m | 06:52 | 36m | 07:29 | 9h 06m | 16:36 | 36m | 17:12 | 37m | 17:50 | 37m | 18:27 | 14h 55m | 11h 12m | | | | Sa, 18. Nov |
| So, 19. Nov | | 22:24 – 05:40* | 7h 15m | M↘ bis AN− | | 13:23 | 22:24 | 05:39 | 37m | 06:16 | 37m | 06:54 | 36m | 07:31 | 9h 03m | 16:34 | 36m | 17:11 | 37m | 17:49 | 37m | 18:26 | 14h 57m | 11h 14m | | | | So, 19. Nov |
| Mo, 20. Nov | | 23:49 – 05:42* | 5h 53m | M↘ bis AN− | ◐ | 13:47 | 23:49 | 05:40 | 37m | 06:18 | 37m | 06:55 | 36m | 07:32 | 9h 01m | 16:33 | 36m | 17:10 | 37m | 17:48 | 37m | 18:25 | 15h 00m | 11h 16m | | | | Mo, 20. Nov |
| Di, 21. Nov | | 01:11* – 05:43* | 4h 31m | M↘ bis AN− | | 14:06 | —:— | 05:42 | 37m | 06:19 | 37m | 06:57 | 37m | 07:34 | 8h 58m | 16:32 | 37m | 17:10 | 37m | 17:47 | 37m | 18:25 | 15h 02m | 11h 18m | | | | Di, 21. Nov |
| Mi, 22. Nov | | 02:32* – 05:44* | 3h 12m | M↘ bis AN− | | 14:22 | 01:11 | 05:43 | 37m | 06:20 | 37m | 06:58 | 37m | 07:35 | 8h 56m | 16:31 | 37m | 17:09 | 37m | 17:47 | 37m | 18:24 | 15h 05m | 11h 20m | | | | Mi, 22. Nov |
| Do, 23. Nov | | 03:53* – 05:45* | 1h 52m | M↘ bis AN− | | 14:38 | 02:32 | 05:44 | 37m | 06:21 | 37m | 06:59 | 37m | 07:37 | 8h 53m | 16:31 | 37m | 17:08 | 37m | 17:46 | 37m | 18:23 | 15h 07m | 11h 21m | | | | Do, 23. Nov |
| Fr, 24. Nov | | 05:14* – 05:46* | 32m | M↘ bis AN− | | 14:55 | 03:53 | 05:45 | 37m | 06:23 | 38m | 07:01 | 37m | 07:38 | 8h 51m | 16:30 | 37m | 17:07 | 38m | 17:45 | 37m | 18:23 | 15h 09m | 11h 23m | | | | Fr, 24. Nov |
| Sa, 25. Nov | | —:——:— | – | Mond stört | | 15:14 | 05:14 | 05:46 | 37m | 06:24 | 38m | 07:02 | 37m | 07:39 | 8h 49m | 16:29 | 37m | 17:06 | 38m | 17:45 | 37m | 18:22 | 15h 11m | 11h 25m | | | | Sa, 25. Nov |
| So, 26. Nov | | —:——:— | – | Mond stört | | 15:37 | 06:37 | 05:47 | 37m | 06:25 | 38m | 07:03 | 37m | 07:41 | 8h 47m | 16:28 | 37m | 17:06 | 38m | 17:44 | 37m | 18:21 | 15h 14m | 11h 27m | | | | So, 26. Nov |
| Mo, 27. Nov | | —:——:— | – | Mond stört | ○ | 16:07 | 07:58 | 05:49 | 37m | 06:26 | 38m | 07:04 | 37m | 07:42 | 8h 45m | 16:27 | 37m | 17:05 | 38m | 17:43 | 37m | 18:21 | 15h 16m | 11h 28m | | | | Mo, 27. Nov |
| Di, 28. Nov | | —:——:— | – | Mond stört | | 16:47 | 09:15 | 05:50 | 37m | 06:27 | 38m | 07:06 | 37m | 07:44 | 8h 43m | 16:27 | 37m | 17:05 | 38m | 17:43 | 37m | 18:21 | 15h 18m | 11h 30m | | | | Di, 28. Nov |
| Mi, 29. Nov | | —:——:— | – | Mond stört | | 17:39 | 10:20 | 05:51 | 37m | 06:29 | 38m | 07:07 | 37m | 07:45 | 8h 41m | 16:26 | 37m | 17:04 | 38m | 17:42 | 37m | 18:20 | 15h 20m | 11h 31m | | | | Mi, 29. Nov |
| Do, 30. Nov | | 18:20 – 18:41 | 21m | AN+ bis M↗ | | 18:41 | 11:13 | 05:52 | 37m | 06:30 | 38m | 07:08 | 38m | 07:46 | 8h 39m | 16:26 | 38m | 17:04 | 38m | 17:42 | 37m | 18:20 | 15h 22m | 11h 33m | | | | Do, 30. Nov |
| Fr, 1. Dez | | 18:19 – 19:50 | 1h 30m | AN+ bis M↗ | | 19:50 | 11:51 | 05:53 | 37m | 06:31 | 38m | 07:09 | 38m | 07:48 | 8h 37m | 16:25 | 38m | 17:03 | 38m | 17:42 | 37m | 18:19 | 15h 23m | 11h 34m | | | | Fr, 1. Dez |
| Sa, 2. Dez | | 18:19 – 21:01 | 2h 41m | AN+ bis M↗ | | 21:01 | 12:20 | 05:54 | 37m | 06:32 | 38m | 07:11 | 38m | 07:49 | 8h 35m | 16:24 | 38m | 17:03 | 38m | 17:41 | 37m | 18:19 | 15h 25m | 11h 36m | | | | Sa, 2. Dez |
| So, 3. Dez | | 18:19 – 22:11 | 3h 51m | AN+ bis M↗ | | 22:11 | 12:42 | 05:55 | 37m | 06:33 | 38m | 07:12 | 38m | 07:50 | 8h 34m | 16:24 | 38m | 17:02 | 38m | 17:41 | 37m | 18:19 | 15h 27m | 11h 37m | | | | So, 3. Dez |
| Mo, 4. Dez | | 18:19 – 23:19 | 5h 00m | AN+ bis M↗ | | 23:19 | 12:59 | 05:56 | 37m | 06:34 | 38m | 07:13 | 38m | 07:51 | 8h 32m | 16:24 | 38m | 17:02 | 38m | 17:41 | 37m | 18:19 | 15h 28m | 11h 38m | | | | Mo, 4. Dez |
| Di, 5. Dez | | 18:19 – 00:26* | 6h 07m | AN+ bis M↗ | ◑ | —:— | 13:13 | 05:57 | 37m | 06:35 | 38m | 07:14 | 38m | 07:52 | 8h 30m | 16:23 | 38m | 17:02 | 38m | 17:41 | 37m | 18:19 | 15h 30m | 11h 39m | | | | Di, 5. Dez |
| Mi, 6. Dez | | 18:18 – 01:33* | 7h 14m | AN+ bis M↗ | | 00:26 | 13:26 | 05:58 | 37m | 06:36 | 38m | 07:15 | 38m | 07:54 | 8h 29m | 16:23 | 38m | 17:02 | 38m | 17:40 | 37m | 18:18 | 15h 31m | 11h 40m | | | | Mi, 6. Dez |
| Do, 7. Dez | | 18:18 – 02:41* | 8h 22m | AN+ bis M↗ | | 01:33 | 13:39 | 05:59 | 37m | 06:37 | 38m | 07:16 | 38m | 07:55 | 8h 28m | 16:23 | 38m | 17:01 | 38m | 17:40 | 37m | 18:18 | 15h 33m | 11h 41m | | | | Do, 7. Dez |
| Fr, 8. Dez | | 18:18 – 03:52* | 9h 33m | AN+ bis M↗ | | 02:41 | 13:53 | 06:00 | 38m | 06:38 | 38m | 07:17 | 38m | 07:56 | 8h 26m | 16:23 | 38m | 17:01 | 38m | 17:40 | 38m | 18:18 | 15h 34m | 11h 42m | | | | Fr, 8. Dez |
| Sa, 9. Dez | | 18:18 – 05:06* | 10h 48m | AN+ bis M↗ | | 03:52 | 14:08 | 06:01 | 38m | 06:39 | 39m | 07:18 | 38m | 07:57 | 8h 25m | 16:22 | 38m | 17:01 | 39m | 17:40 | 38m | 18:18 | 15h 35m | 11h 43m | | | | Sa, 9. Dez |
| So, 10. Dez | | 18:18 – 06:03* | 11h 44m | AN+ bis AN− | | 05:06 | 14:28 | 06:02 | 38m | 06:40 | 39m | 07:19 | 38m | 07:58 | 8h 24m | 16:22 | 38m | 17:01 | 39m | 17:40 | 38m | 18:18 | 15h 36m | 11h 44m | | | | So, 10. Dez |
| Mo, 11. Dez | | 18:18 – 06:03* | 11h 45m | AN+ bis AN− | | 06:25 | 14:53 | 06:03 | 38m | 06:41 | 39m | 07:20 | 38m | 07:59 | 8h 23m | 16:22 | 38m | 17:01 | 39m | 17:40 | 38m | 18:18 | 15h 37m | 11h 45m | | | | Mo, 11. Dez |
| Di, 12. Dez | | 18:18 – 06:04* | 11h 45m | AN+ bis AN− | | 07:44 | 15:29 | 06:03 | 38m | 06:42 | 39m | 07:21 | 38m | 08:00 | 8h 22m | 16:22 | 38m | 17:01 | 39m | 17:40 | 38m | 18:18 | 15h 38m | 11h 45m | | | | Di, 12. Dez |
| Mi, 13. Dez | | 18:19 – 06:05* | 11h 46m | AN+ bis AN− | ● | 08:59 | 16:19 | 06:04 | 38m | 06:42 | 39m | 07:22 | 39m | 08:01 | 8h 21m | 16:22 | 39m | 17:01 | 39m | 17:41 | 38m | 18:19 | 15h 39m | 11h 46m | | | | Mi, 13. Dez |
| Do, 14. Dez | | 18:19 – 06:06* | 11h 46m | AN+ bis AN− | | 10:02 | 17:26 | 06:05 | 38m | 06:43 | 39m | 07:22 | 39m | 08:02 | 8h 20m | 16:22 | 39m | 17:01 | 39m | 17:41 | 38m | 18:19 | 15h 39m | 11h 46m | | | | Do, 14. Dez |
| Fr, 15. Dez | | 18:45 – 06:06* | 11h 21m | M↘ bis AN− | | 10:50 | 18:45 | 06:06 | 38m | 06:44 | 39m | 07:23 | 39m | 08:02 | 8h 20m | 16:23 | 39m | 17:02 | 39m | 17:41 | 38m | 18:19 | 15h 40m | 11h 47m | | | | Fr, 15. Dez |
| Sa, 16. Dez | | 20:11 – 06:07* | 9h 56m | M↘ bis AN− | | 11:26 | 20:11 | 06:06 | 38m | 06:45 | 39m | 07:24 | 39m | 08:03 | 8h 19m | 16:23 | 39m | 17:02 | 39m | 17:41 | 38m | 18:19 | 15h 41m | 11h 47m | | | | Sa, 16. Dez |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/24 | Zeit- | Astr. dunkel und kein Mond | | | Mond | | | Beginn der Morgendämmerung | | | | | | Sonne | | | Ende der Abenddämmerung | | | | | | Nacht | Astr. N. | Naut. dunkel und kein Mond | | | 2023/24 |
| | zone | | Δ*t* | | Ph. | ↗ | ↘ | Astr. | Δ*t* | Naut. | Δ*t* | Bürg. | Δt | ↗ | Δ*t* | ↘ | Δ*t* | Bürg. | Δ*t* | Naut. | Δ*t* | Astr. | Δ*t* | Δ*t* | | Δ*t* | | |
| So, 17. Dez | | 21:37 – 06:08* | *8h 31m* | M↘ *bis* AN_ | | 11:52 | 21:37 | 06:07 | *38m* | 06:45 | *39m* | 07:25 | *39m* | 08:04 | *8h 19m* | 16:23 | *39m* | 17:02 | *39m* | 17:41 | *38m* | 18:20 | *15h 41m* | *11h 48m* | | | | So, 17. Dez |
| Mo, 18. Dez | | 23:00 – 06:08* | *7h 08m* | M↘ *bis* AN_ | | 12:12 | 23:00 | 06:08 | *38m* | 06:46 | *39m* | 07:25 | *39m* | 08:05 | *8h 18m* | 16:23 | *39m* | 17:02 | *39m* | 17:42 | *38m* | 18:20 | *15h 41m* | *11h 48m* | | | | Mo, 18. Dez |
| Di, 19. Dez | | 00:21* – 06:09* | *5h 48m* | M↘ *bis* AN_ | ◐ | 12:29 | —:— | 06:08 | *38m* | 06:47 | *39m* | 07:26 | *39m* | 08:05 | *8h 18m* | 16:24 | *39m* | 17:03 | *39m* | 17:42 | *38m* | 18:20 | *15h 42m* | *11h 48m* | | | | Di, 19. Dez |
| Mi, 20. Dez | | 01:40* – 06:10* | *4h 29m* | M↘ *bis* AN_ | | 12:45 | 00:21 | 06:09 | *38m* | 06:47 | *39m* | 07:27 | *39m* | 08:06 | *8h 18m* | 16:24 | *39m* | 17:03 | *39m* | 17:43 | *38m* | 18:21 | *15h 42m* | *11h 48m* | | | | Mi, 20. Dez |
| Do, 21. Dez | | 03:00* – 06:10* | *3h 10m* | M↘ *bis* AN_ | | 13:01 | 01:40 | 06:10 | *38m* | 06:48 | *39m* | 07:27 | *39m* | 08:06 | *8h 18m* | 16:24 | *39m* | 17:04 | *39m* | 17:43 | *38m* | 18:21 | *15h 42m* | *11h 48m* | | | | Do, 21. Dez |
| Fr, 22. Dez | | 04:20* – 06:11* | *1h 50m* | M↘ *bis* AN_ | | 13:18 | 03:00 | 06:10 | *38m* | 06:48 | *39m* | 07:28 | *39m* | 08:07 | *8h 18m* | 16:25 | *39m* | 17:04 | *39m* | 17:44 | *38m* | 18:22 | *15h 42m* | *11h 48m* | | | | Fr, 22. Dez |
| Sa, 23. Dez | | 05:40* – 06:11* | *31m* | M↘ *bis* AN_ | | 13:39 | 04:20 | 06:11 | *38m* | 06:49 | *39m* | 07:28 | *39m* | 08:07 | *8h 18m* | 16:26 | *39m* | 17:05 | *39m* | 17:44 | *38m* | 18:22 | *15h 42m* | *11h 48m* | | | | Sa, 23. Dez |
| So, 24. Dez | | —:——:— | – | Mond stört | | 14:06 | 05:40 | 06:11 | *38m* | 06:49 | *39m* | 07:29 | *39m* | 08:08 | *8h 18m* | 16:26 | *39m* | 17:05 | *39m* | 17:45 | *38m* | 18:23 | *15h 42m* | *11h 48m* | | | | So, 24. Dez |
| Mo, 25. Dez | | —:——:— | – | Mond stört | | 14:42 | 06:57 | 06:11 | *38m* | 06:50 | *39m* | 07:29 | *39m* | 08:08 | *8h 18m* | 16:27 | *39m* | 17:06 | *39m* | 17:45 | *38m* | 18:24 | *15h 41m* | *11h 48m* | | | | Mo, 25. Dez |
| Di, 26. Dez | | —:——:— | – | Mond stört | | 15:28 | 08:06 | 06:12 | *38m* | 06:50 | *39m* | 07:29 | *39m* | 08:08 | *8h 18m* | 16:27 | *39m* | 17:07 | *39m* | 17:46 | *38m* | 18:24 | *15h 41m* | *11h 47m* | | | | Di, 26. Dez |
| Mi, 27. Dez | | —:——:— | – | Mond stört | ○ | 16:26 | 09:04 | 06:12 | *38m* | 06:50 | *39m* | 07:30 | *39m* | 08:09 | *8h 19m* | 16:28 | *39m* | 17:07 | *39m* | 17:47 | *38m* | 18:25 | *15h 40m* | *11h 47m* | | | | Mi, 27. Dez |
| Do, 28. Dez | | —:——:— | – | Mond stört | | 17:33 | 09:47 | 06:12 | *38m* | 06:51 | *39m* | 07:30 | *39m* | 08:09 | *8h 19m* | 16:29 | *39m* | 17:08 | *39m* | 17:47 | *38m* | 18:26 | *15h 40m* | *11h 47m* | | | | Do, 28. Dez |
| Fr, 29. Dez | | 18:26 – 18:44 | *17m* | AN+ *bis* M↗ | | 18:44 | 10:20 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *39m* | 08:09 | *8h 20m* | 16:30 | *39m* | 17:09 | *39m* | 17:48 | *38m* | 18:26 | *15h 39m* | *11h 46m* | | | | Fr, 29. Dez |
| Sa, 30. Dez | | 18:27 – 19:55 | *1h 27m* | AN+ *bis* M↗ | | 19:55 | 10:44 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *39m* | 08:09 | *8h 21m* | 16:31 | *39m* | 17:10 | *39m* | 17:49 | *38m* | 18:27 | *15h 38m* | *11h 46m* | | | | Sa, 30. Dez |
| So, 31. Dez | | 18:28 – 21:04 | *2h 36m* | AN+ *bis* M↗ | | 21:04 | 11:03 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *38m* | 08:09 | *8h 22m* | 16:32 | *39m* | 17:11 | *39m* | 17:50 | *38m* | 18:28 | *15h 37m* | *11h 45m* | | | | So, 31. Dez |
| Mo, 1. Jan | | 18:29 – 22:12 | *3h 42m* | AN+ *bis* M↗ | | 22:12 | 11:18 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *38m* | 08:09 | *8h 23m* | 16:32 | *38m* | 17:11 | *39m* | 17:51 | *38m* | 18:29 | *15h 36m* | *11h 44m* | | | | Mo, 1. Jan |
| Di, 2. Jan | | 18:30 – 23:18 | *4h 48m* | AN+ *bis* M↗ | | 23:18 | 11:32 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *38m* | 08:09 | *8h 24m* | 16:33 | *38m* | 17:12 | *39m* | 17:51 | *38m* | 18:30 | *15h 35m* | *11h 43m* | | | | Di, 2. Jan |
| Mi, 3. Jan | | 18:30 – 00:25* | *5h 54m* | AN+ *bis* M↗ | | —:— | 11:44 | 06:13 | *38m* | 06:51 | *39m* | 07:30 | *38m* | 08:09 | *8h 25m* | 16:34 | *38m* | 17:13 | *39m* | 17:52 | *38m* | 18:30 | *15h 34m* | *11h 42m* | | | | Mi, 3. Jan |
| Do, 4. Jan | | 18:31 – 01:33* | *7h 01m* | AN+ *bis* M↗ | ◑ | 00:25 | 11:57 | 06:13 | *38m* | 06:51 | *38m* | 07:30 | *38m* | 08:09 | *8h 26m* | 16:36 | *38m* | 17:14 | *39m* | 17:53 | *38m* | 18:31 | *15h 33m* | *11h 42m* | | | | Do, 4. Jan |
| Fr, 5. Jan | | 18:32 – 02:44* | *8h 11m* | AN+ *bis* M↗ | | 01:33 | 12:11 | 06:13 | *37m* | 06:51 | *38m* | 07:30 | *38m* | 08:09 | *8h 27m* | 16:37 | *38m* | 17:15 | *38m* | 17:54 | *37m* | 18:32 | *15h 32m* | *11h 41m* | | | | Fr, 5. Jan |
| Sa, 6. Jan | | 18:33 – 03:59* | *9h 26m* | AN+ *bis* M↗ | | 02:44 | 12:29 | 06:13 | *37m* | 06:51 | *38m* | 07:30 | *38m* | 08:09 | *8h 28m* | 16:38 | *38m* | 17:16 | *38m* | 17:55 | *37m* | 18:33 | *15h 30m* | *11h 39m* | | | | Sa, 6. Jan |
| So, 7. Jan | | 18:34 – 05:18* | *10h 43m* | AN+ *bis* M↗ | | 03:59 | 12:51 | 06:13 | *37m* | 06:51 | *38m* | 07:30 | *38m* | 08:08 | *8h 30m* | 16:39 | *38m* | 17:17 | *38m* | 17:56 | *37m* | 18:34 | *15h 29m* | *11h 38m* | | | | So, 7. Jan |
| Mo, 8. Jan | | 18:35 – 06:13* | *11h 37m* | AN+ *bis* AN_ | | 05:18 | 13:21 | 06:13 | *37m* | 06:51 | *38m* | 07:30 | *38m* | 08:08 | *8h 31m* | 16:40 | *38m* | 17:19 | *38m* | 17:57 | *37m* | 18:35 | *15h 27m* | *11h 37m* | | | | Mo, 8. Jan |
| Di, 9. Jan | | 18:36 – 06:13* | *11h 36m* | AN+ *bis* AN_ | | 06:35 | 14:04 | 06:13 | *37m* | 06:51 | *38m* | 07:29 | *38m* | 08:08 | *8h 33m* | 16:41 | *38m* | 17:20 | *38m* | 17:58 | *37m* | 18:36 | *15h 26m* | *11h 36m* | | | | Di, 9. Jan |
| Mi, 10. Jan | | 18:37 – 06:12* | *11h 35m* | AN+ *bis* AN_ | | 07:45 | 15:03 | 06:13 | *37m* | 06:50 | *38m* | 07:29 | *38m* | 08:07 | *8h 35m* | 16:43 | *38m* | 17:21 | *38m* | 18:00 | *37m* | 18:37 | *15h 24m* | *11h 35m* | | | | Mi, 10. Jan |
| Do, 11. Jan | | 18:38 – 06:12* | *11h 33m* | AN+ *bis* AN_ | ● | 08:41 | 16:19 | 06:12 | *37m* | 06:50 | *38m* | 07:29 | *38m* | 08:07 | *8h 36m* | 16:44 | *38m* | 17:22 | *38m* | 18:01 | *37m* | 18:38 | *15h 22m* | *11h 33m* | | | | Do, 11. Jan |
| Fr, 12. Jan | | 18:39 – 06:12* | *11h 32m* | AN+ *bis* AN_ | | 09:23 | 17:46 | 06:12 | *37m* | 06:50 | *38m* | 07:28 | *38m* | 08:06 | *8h 38m* | 16:45 | *38m* | 17:23 | *38m* | 18:02 | *37m* | 18:39 | *15h 20m* | *11h 32m* | | | | Fr, 12. Jan |
| Sa, 13. Jan | | 19:15 – 06:11* | *10h 56m* | M↘ *bis* AN_ | | 09:53 | 19:15 | 06:12 | *37m* | 06:49 | *38m* | 07:28 | *37m* | 08:06 | *8h 40m* | 16:47 | *37m* | 17:24 | *38m* | 18:03 | *37m* | 18:41 | *15h 18m* | *11h 30m* | | | | Sa, 13. Jan |
| So, 14. Jan | | 20:43 – 06:11* | *9h 28m* | M↘ *bis* AN_ | | 10:16 | 20:43 | 06:11 | *37m* | 06:49 | *38m* | 07:27 | *37m* | 08:05 | *8h 42m* | 16:48 | *37m* | 17:26 | *38m* | 18:04 | *37m* | 18:42 | *15h 16m* | *11h 29m* | | | | So, 14. Jan |
| Mo, 15. Jan | | 22:07 – 06:11* | *8h 03m* | M↘ *bis* AN_ | | 10:34 | 22:07 | 06:11 | *37m* | 06:49 | *38m* | 07:27 | *37m* | 08:05 | *8h 44m* | 16:49 | *37m* | 17:27 | *38m* | 18:05 | *37m* | 18:43 | *15h 14m* | *11h 27m* | | | | Mo, 15. Jan |
| Di, 16. Jan | | 23:29 – 06:10* | *6h 41m* | M↘ *bis* AN_ | | 10:51 | 23:29 | 06:11 | *37m* | 06:48 | *38m* | 07:26 | *37m* | 08:04 | *8h 46m* | 16:51 | *37m* | 17:28 | *38m* | 18:07 | *37m* | 18:44 | *15h 12m* | *11h 25m* | | | | Di, 16. Jan |
| Mi, 17. Jan | | 00:49* – 06:09* | *5h 20m* | M↘ *bis* AN_ | | 11:07 | —:— | 06:10 | *37m* | 06:47 | *38m* | 07:26 | *37m* | 08:03 | *8h 48m* | 16:52 | *37m* | 17:30 | *38m* | 18:08 | *37m* | 18:45 | *15h 10m* | *11h 24m* | | | | Mi, 17. Jan |
| Do, 18. Jan | | 02:09* – 06:09* | *3h 59m* | M↘ *bis* AN_ | ◐ | 11:24 | 00:49 | 06:09 | *37m* | 06:47 | *38m* | 07:25 | *37m* | 08:02 | *8h 51m* | 16:54 | *37m* | 17:31 | *38m* | 18:09 | *37m* | 18:47 | *15h 08m* | *11h 22m* | | | | Do, 18. Jan |
| Fr, 19. Jan | | 03:29* – 06:08* | *2h 39m* | M↘ *bis* AN_ | | 11:43 | 02:09 | 06:09 | *37m* | 06:46 | *37m* | 07:24 | *37m* | 08:02 | *8h 53m* | 16:55 | *37m* | 17:32 | *38m* | 18:10 | *37m* | 18:48 | *15h 05m* | *11h 20m* | | | | Fr, 19. Jan |
| Sa, 20. Jan | | 04:46* – 06:08* | *1h 21m* | M↘ *bis* AN_ | | 12:08 | 03:29 | 06:08 | *37m* | 06:46 | *37m* | 07:23 | *37m* | 08:01 | *8h 55m* | 16:56 | *37m* | 17:34 | *37m* | 18:12 | *37m* | 18:49 | *15h 03m* | *11h 18m* | | | | Sa, 20. Jan |
| So, 21. Jan | | 05:57* – 06:07* | *9m* | M↘ *bis* AN_ | | 12:40 | 04:46 | 06:08 | *37m* | 06:45 | *37m* | 07:23 | *37m* | 08:00 | *8h 58m* | 16:58 | *37m* | 17:35 | *37m* | 18:13 | *37m* | 18:50 | *15h 00m* | *11h 16m* | | | | So, 21. Jan |
| Mo, 22. Jan | | —:——:— | – | Mond stört | | 13:22 | 05:57 | 06:07 | *37m* | 06:44 | *37m* | 07:22 | *36m* | 07:59 | *9h 00m* | 17:00 | *37m* | 17:37 | *37m* | 18:14 | *37m* | 18:52 | *14h 58m* | *11h 14m* | | | | Mo, 22. Jan |
| Di, 23. Jan | | —:——:— | – | Mond stört | | 14:16 | 06:58 | 06:06 | *37m* | 06:43 | *37m* | 07:21 | *36m* | 07:58 | *9h 03m* | 17:01 | *36m* | 17:38 | *37m* | 18:16 | *37m* | 18:53 | *14h 55m* | *11h 12m* | | | | Di, 23. Jan |
| Mi, 24. Jan | | —:——:— | – | Mond stört | | 15:20 | 07:45 | 06:05 | *37m* | 06:42 | *37m* | 07:20 | *36m* | 07:57 | *9h 05m* | 17:03 | *36m* | 17:39 | *37m* | 18:17 | *37m* | 18:54 | *14h 53m* | *11h 10m* | | | | Mi, 24. Jan |
| Do, 25. Jan | | —:——:— | – | Mond stört | ○ | 16:30 | 08:21 | 06:05 | *37m* | 06:42 | *37m* | 07:19 | *36m* | 07:56 | *9h 08m* | 17:04 | *36m* | 17:41 | *37m* | 18:18 | *37m* | 18:55 | *14h 50m* | *11h 08m* | | | | Do, 25. Jan |
| Fr, 26. Jan | | —:——:— | – | Mond stört | | 17:41 | 08:47 | 06:04 | *36m* | 06:41 | *37m* | 07:18 | *36m* | 07:55 | *9h 11m* | 17:06 | *36m* | 17:42 | *37m* | 18:20 | *37m* | 18:57 | *14h 47m* | *11h 06m* | | | | Fr, 26. Jan |
| Sa, 27. Jan | | —:——:— | – | Mond stört | | 18:51 | 09:08 | 06:03 | *36m* | 06:40 | *37m* | 07:17 | *36m* | 07:54 | *9h 13m* | 17:07 | *36m* | 17:44 | *37m* | 18:21 | *36m* | 18:58 | *14h 45m* | *11h 03m* | | | | Sa, 27. Jan |
| So, 28. Jan | | 18:59 – 19:59 | *59m* | AN+ *bis* M↗ | | 19:59 | 09:24 | 06:02 | *36m* | 06:39 | *37m* | 07:16 | *36m* | 07:52 | *9h 16m* | 17:09 | *36m* | 17:45 | *37m* | 18:22 | *36m* | 18:59 | *14h 42m* | *11h 01m* | | | | So, 28. Jan |
| Mo, 29. Jan | | 19:01 – 21:06 | *2h 05m* | AN+ *bis* M↗ | | 21:06 | 09:38 | 06:01 | *36m* | 06:38 | *37m* | 07:15 | *36m* | 07:51 | *9h 19m* | 17:10 | *36m* | 17:47 | *37m* | 18:24 | *36m* | 19:01 | *14h 39m* | *10h 59m* | | | | Mo, 29. Jan |
| Di, 30. Jan | | 19:02 – 22:12 | *3h 09m* | AN+ *bis* M↗ | | 22:12 | 09:50 | 06:00 | *36m* | 06:37 | *37m* | 07:14 | *36m* | 07:50 | *9h 22m* | 17:12 | *36m* | 17:48 | *37m* | 18:25 | *36m* | 19:02 | *14h 36m* | *10h 56m* | | | | Di, 30. Jan |
| Mi, 31. Jan | | 19:04 – 23:19 | *4h 15m* | AN+ *bis* M↗ | | 23:19 | 10:03 | 05:59 | *36m* | 06:36 | *37m* | 07:13 | *35m* | 07:49 | *9h 25m* | 17:14 | *35m* | 17:50 | *37m* | 18:27 | *36m* | 19:04 | *14h 33m* | *10h 54m* | | | | Mi, 31. Jan |
| Do, 1. Feb | | 19:05 – 00:28* | *5h 22m* | AN+ *bis* M↗ | | —:— | 10:16 | 05:58 | *36m* | 06:34 | *36m* | 07:11 | *35m* | 07:47 | *9h 28m* | 17:15 | *35m* | 17:51 | *36m* | 18:28 | *36m* | 19:05 | *14h 30m* | *10h 51m* | | | | Do, 1. Feb |
| Fr, 2. Feb | | 19:06 – 01:40* | *6h 33m* | AN+ *bis* M↗ | | 00:28 | 10:32 | 05:57 | *36m* | 06:33 | *36m* | 07:10 | *35m* | 07:46 | *9h 31m* | 17:17 | *35m* | 17:53 | *36m* | 18:30 | *36m* | 19:06 | *14h 27m* | *10h 49m* | | | | Fr, 2. Feb |
| Sa, 3. Feb | | 19:08 – 02:55* | *7h 47m* | AN+ *bis* M↗ | ◑ | 01:40 | 10:51 | 05:56 | *36m* | 06:32 | *36m* | 07:09 | *35m* | 07:45 | *9h 34m* | 17:19 | *35m* | 17:54 | *36m* | 18:31 | *36m* | 19:08 | *14h 24m* | *10h 46m* | | | | Sa, 3. Feb |
| So, 4. Feb | | 19:09 – 04:11* | *9h 01m* | AN+ *bis* M↗ | | 02:55 | 11:16 | 05:54 | *36m* | 06:31 | *36m* | 07:08 | *35m* | 07:43 | *9h 37m* | 17:20 | *35m* | 17:56 | *36m* | 18:32 | *36m* | 19:09 | *14h 21m* | *10h 44m* | | | | So, 4. Feb |