Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Lindau (Bodensee) 47.5458° N 9.6839° 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mo, 1. Jan		18:33 – 22:16	*3h 42m*	AN_+ *bis* $M_↗$		22:16	11:20	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 31m*	16:40	*37m*	17:18	*38m*	17:56	*37m*	18:33	*15h 28m*	*11h 41m*				Mo, 1. Jan
Di, 2. Jan		18:34 – 23:22	*4h 47m*	AN_+ *bis* $M_↗$		23:22	11:34	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 32m*	16:41	*37m*	17:19	*38m*	17:57	*37m*	18:34	*15h 27m*	*11h 40m*				Di, 2. Jan
Mi, 3. Jan		18:35 – 00:27*	*5h 52m*	AN_+ *bis* $M_↗$		—:—	11:48	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 33m*	16:42	*37m*	17:20	*38m*	17:58	*37m*	18:35	*15h 26m*	*11h 39m*				Mi, 3. Jan
Do, 4. Jan		18:36 – 01:35*	*6h 58m*	AN_+ *bis* $M_↗$	◑	00:27	12:01	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 34m*	16:43	*37m*	17:21	*38m*	17:59	*37m*	18:36	*15h 25m*	*11h 38m*				Do, 4. Jan
Fr, 5. Jan		18:37 – 02:45*	*8h 07m*	AN_+ *bis* $M_↗$		01:35	12:17	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 35m*	16:44	*37m*	17:22	*38m*	18:00	*37m*	18:37	*15h 23m*	*11h 38m*				Fr, 5. Jan
Sa, 6. Jan		18:38 – 03:59*	*9h 20m*	AN_+ *bis* $M_↗$		02:45	12:35	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 37m*	16:45	*37m*	17:23	*38m*	18:01	*37m*	18:38	*15h 22m*	*11h 37m*				Sa, 6. Jan
So, 7. Jan		18:39 – 05:16*	*10h 36m*	AN_+ *bis* $M_↗$		03:59	12:58	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:08	*8h 38m*	16:46	*37m*	17:24	*37m*	18:02	*37m*	18:39	*15h 21m*	*11h 35m*				So, 7. Jan
Mo, 8. Jan		18:40 – 06:15*	*11h 34m*	AN_+ *bis* AN_-		05:16	13:30	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:07	*8h 40m*	16:47	*37m*	17:25	*37m*	18:03	*37m*	18:40	*15h 19m*	*11h 34m*				Mo, 8. Jan
Di, 9. Jan		18:41 – 06:15*	*11h 33m*	AN_+ *bis* AN_-		06:32	14:13	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:07	*8h 41m*	16:49	*37m*	17:26	*37m*	18:04	*37m*	18:41	*15h 18m*	*11h 33m*				Di, 9. Jan
Mi, 10. Jan		18:42 – 06:14*	*11h 32m*	AN_+ *bis* AN_-		07:42	15:13	06:15	*37m*	06:52	*37m*	07:29	*37m*	08:07	*8h 43m*	16:50	*37m*	17:27	*37m*	18:05	*37m*	18:42	*15h 16m*	*11h 32m*				Mi, 10. Jan
Do, 11. Jan		18:43 – 06:14*	*11h 30m*	AN_+ *bis* AN_-	●	08:38	16:28	06:14	*36m*	06:51	*37m*	07:29	*37m*	08:06	*8h 44m*	16:51	*37m*	17:28	*37m*	18:06	*37m*	18:43	*15h 14m*	*11h 30m*				Do, 11. Jan
Fr, 12. Jan		18:44 – 06:14*	*11h 29m*	AN_+ *bis* AN_-		09:21	17:54	06:14	*36m*	06:51	*37m*	07:29	*37m*	08:06	*8h 46m*	16:52	*37m*	17:29	*37m*	18:07	*36m*	18:44	*15h 12m*	*11h 29m*				Fr, 12. Jan
Sa, 13. Jan		19:22 – 06:13*	*10h 51m*	$M_↘$ *bis* AN_-		09:52	19:22	06:14	*36m*	06:51	*37m*	07:28	*37m*	08:05	*8h 48m*	16:54	*37m*	17:31	*37m*	18:08	*36m*	18:45	*15h 11m*	*11h 28m*				Sa, 13. Jan
So, 14. Jan		20:48 – 06:13*	*9h 24m*	$M_↘$ *bis* AN_-		10:17	20:48	06:13	*36m*	06:50	*37m*	07:28	*36m*	08:05	*8h 50m*	16:55	*36m*	17:32	*37m*	18:09	*36m*	18:46	*15h 09m*	*11h 26m*				So, 14. Jan
Mo, 15. Jan		22:11 – 06:13*	*8h 01m*	$M_↘$ *bis* AN_-		10:36	22:11	06:13	*36m*	06:50	*37m*	07:27	*36m*	08:04	*8h 52m*	16:56	*36m*	17:33	*37m*	18:11	*36m*	18:47	*15h 07m*	*11h 25m*				Mo, 15. Jan
Di, 16. Jan		23:32 – 06:12*	*6h 40m*	$M_↘$ *bis* AN_-		10:54	23:32	06:13	*36m*	06:49	*37m*	07:27	*36m*	08:03	*8h 54m*	16:58	*36m*	17:34	*37m*	18:12	*36m*	18:49	*15h 05m*	*11h 23m*				Di, 16. Jan
Mi, 17. Jan		00:51* – 06:12*	*5h 20m*	$M_↘$ *bis* AN_-		11:11	—:—	06:12	*36m*	06:49	*37m*	07:26	*36m*	08:03	*8h 56m*	16:59	*36m*	17:36	*37m*	18:13	*36m*	18:50	*15h 02m*	*11h 21m*				Mi, 17. Jan
Do, 18. Jan		02:10* – 06:11*	*4h 01m*	$M_↘$ *bis* AN_-	◐	11:29	00:51	06:12	*36m*	06:48	*37m*	07:25	*36m*	08:02	*8h 58m*	17:00	*36m*	17:37	*37m*	18:14	*36m*	18:51	*15h 00m*	*11h 20m*				Do, 18. Jan
Fr, 19. Jan		03:28* – 06:10*	*2h 42m*	$M_↘$ *bis* AN_-		11:50	02:10	06:11	*36m*	06:48	*37m*	07:25	*36m*	08:01	*9h 00m*	17:02	*36m*	17:38	*37m*	18:15	*36m*	18:52	*14h 58m*	*11h 18m*				Fr, 19. Jan
Sa, 20. Jan		04:44* – 06:10*	*1h 25m*	$M_↘$ *bis* AN_-		12:16	03:28	06:10	*36m*	06:47	*37m*	07:24	*36m*	08:00	*9h 02m*	17:03	*36m*	17:40	*37m*	18:17	*36m*	18:53	*14h 56m*	*11h 16m*				Sa, 20. Jan
So, 21. Jan		05:55* – 06:09*	*14m*	$M_↘$ *bis* AN_-		12:49	04:44	06:10	*36m*	06:46	*37m*	07:23	*36m*	08:00	*9h 05m*	17:05	*36m*	17:41	*37m*	18:18	*36m*	18:55	*14h 53m*	*11h 14m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:32	05:55	06:09	*36m*	06:46	*36m*	07:23	*36m*	07:59	*9h 07m*	17:06	*36m*	17:42	*36m*	18:19	*36m*	18:56	*14h 51m*	*11h 12m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:26	06:55	06:08	*36m*	06:45	*36m*	07:22	*36m*	07:58	*9h 09m*	17:08	*36m*	17:44	*36m*	18:21	*36m*	18:57	*14h 49m*	*11h 10m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:29	07:43	06:08	*36m*	06:44	*36m*	07:21	*35m*	07:57	*9h 12m*	17:09	*35m*	17:45	*36m*	18:22	*36m*	18:58	*14h 46m*	*11h 08m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:38	08:19	06:07	*36m*	06:43	*36m*	07:20	*35m*	07:56	*9h 14m*	17:11	*35m*	17:46	*36m*	18:23	*36m*	19:00	*14h 43m*	*11h 06m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:48	08:47	06:06	*36m*	06:42	*36m*	07:19	*35m*	07:55	*9h 17m*	17:12	*35m*	17:48	*36m*	18:25	*36m*	19:01	*14h 41m*	*11h 04m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:57	09:08	06:05	*36m*	06:41	*36m*	07:18	*35m*	07:54	*9h 20m*	17:14	*35m*	17:49	*36m*	18:26	*36m*	19:02	*14h 38m*	*11h 02m*				Sa, 27. Jan
So, 28. Jan		19:03 – 20:04	*1h 00m*	AN_+ *bis* $M_↗$		20:04	09:25	06:04	*36m*	06:40	*36m*	07:17	*35m*	07:52	*9h 22m*	17:15	*35m*	17:51	*36m*	18:27	*36m*	19:03	*14h 36m*	*10h 59m*				So, 28. Jan
Mo, 29. Jan		19:05 – 21:10	*2h 05m*	AN_+ *bis* $M_↗$		21:10	09:40	06:03	*36m*	06:40	*36m*	07:16	*35m*	07:51	*9h 25m*	17:17	*35m*	17:52	*36m*	18:29	*36m*	19:05	*14h 33m*	*10h 57m*				Mo, 29. Jan
Di, 30. Jan		19:06 – 22:15	*3h 09m*	AN_+ *bis* $M_↗$		22:15	09:53	06:02	*36m*	06:39	*36m*	07:15	*35m*	07:50	*9h 28m*	17:18	*35m*	17:54	*36m*	18:30	*36m*	19:06	*14h 30m*	*10h 55m*				Di, 30. Jan
Mi, 31. Jan		19:07 – 23:21	*4h 13m*	AN_+ *bis* $M_↗$		23:21	10:07	06:01	*36m*	06:37	*36m*	07:14	*35m*	07:49	*9h 31m*	17:20	*35m*	17:55	*36m*	18:31	*36m*	19:07	*14h 27m*	*10h 53m*				Mi, 31. Jan
Do, 1. Feb		19:09 – 00:29*	*5h 20m*	AN_+ *bis* $M_↗$		—:—	10:21	06:00	*35m*	06:36	*36m*	07:13	*35m*	07:48	*9h 33m*	17:21	*35m*	17:56	*36m*	18:33	*36m*	19:09	*14h 24m*	*10h 50m*				Do, 1. Feb
Fr, 2. Feb		19:10 – 01:40*	*6h 29m*	AN_+ *bis* $M_↗$		00:29	10:37	05:59	*35m*	06:35	*36m*	07:11	*34m*	07:46	*9h 36m*	17:23	*34m*	17:58	*36m*	18:34	*35m*	19:10	*14h 21m*	*10h 48m*				Fr, 2. Feb
Sa, 3. Feb		19:11 – 02:54*	*7h 42m*	AN_+ *bis* $M_↗$	◑	01:40	10:58	05:58	*35m*	06:34	*36m*	07:10	*34m*	07:45	*9h 39m*	17:25	*34m*	17:59	*36m*	18:35	*35m*	19:11	*14h 19m*	*10h 45m*				Sa, 3. Feb
So, 4. Feb		19:13 – 04:09*	*8h 55m*	AN_+ *bis* $M_↗$		02:54	11:24	05:57	*35m*	06:33	*35m*	07:09	*34m*	07:44	*9h 42m*	17:26	*34m*	18:01	*35m*	18:37	*35m*	19:13	*14h 16m*	*10h 43m*				So, 4. Feb
Mo, 5. Feb		19:14 – 05:20*	*10h 06m*	AN_+ *bis* $M_↗$		04:09	12:00	05:56	*35m*	06:32	*35m*	07:08	*34m*	07:42	*9h 45m*	17:28	*34m*	18:02	*35m*	18:38	*35m*	19:14	*14h 13m*	*10h 40m*				Mo, 5. Feb
Di, 6. Feb		19:16 – 05:53*	*10h 37m*	AN_+ *bis* AN_-		05:20	12:51	05:55	*35m*	06:31	*35m*	07:06	*34m*	07:41	*9h 48m*	17:29	*34m*	18:04	*35m*	18:40	*35m*	19:16	*14h 10m*	*10h 37m*				Di, 6. Feb
Mi, 7. Feb		19:17 – 05:52*	*10h 35m*	AN_+ *bis* AN_-		06:23	13:58	05:53	*35m*	06:29	*35m*	07:05	*34m*	07:39	*9h 51m*	17:31	*34m*	18:05	*35m*	18:41	*35m*	19:17	*14h 07m*	*10h 35m*				Mi, 7. Feb
Do, 8. Feb		19:18 – 05:51*	*10h 32m*	AN_+ *bis* AN_-		07:12	15:19	05:52	*35m*	06:28	*35m*	07:04	*34m*	07:38	*9h 54m*	17:32	*34m*	18:07	*35m*	18:43	*35m*	19:18	*14h 04m*	*10h 32m*				Do, 8. Feb
Fr, 9. Feb		19:20 – 05:50*	*10h 29m*	AN_+ *bis* AN_-	●	07:49	16:48	05:51	*35m*	06:27	*35m*	07:02	*34m*	07:36	*9h 57m*	17:34	*34m*	18:08	*35m*	18:44	*35m*	19:20	*14h 00m*	*10h 29m*				Fr, 9. Feb
Sa, 10. Feb		19:21 – 05:48*	*10h 27m*	AN_+ *bis* AN_-		08:16	18:18	05:50	*35m*	06:25	*35m*	07:01	*34m*	07:35	*10h 00m*	17:36	*34m*	18:10	*35m*	18:45	*35m*	19:21	*13h 57m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:46 – 05:47*	*10h 01m*	$M_↘$ *bis* AN_-		08:38	19:46	05:48	*35m*	06:24	*35m*	06:59	*34m*	07:33	*10h 03m*	17:37	*34m*	18:11	*35m*	18:47	*35m*	19:22	*13h 54m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		21:10 – 05:45*	*8h 34m*	$M_↘$ *bis* AN_-		08:57	21:10	05:47	*35m*	06:22	*35m*	06:58	*33m*	07:32	*10h 06m*	17:39	*33m*	18:13	*35m*	18:48	*35m*	19:24	*13h 51m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:33 – 05:44*	*7h 10m*	$M_↘$ *bis* AN_-		09:15	22:33	05:45	*35m*	06:21	*35m*	06:56	*33m*	07:30	*10h 10m*	17:40	*33m*	18:14	*35m*	18:50	*35m*	19:25	*13h 48m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		23:55 – 05:42*	*5h 47m*	$M_↘$ *bis* AN_-		09:33	23:55	05:44	*35m*	06:20	*35m*	06:55	*33m*	07:29	*10h 13m*	17:42	*33m*	18:16	*35m*	18:51	*35m*	19:27	*13h 45m*	*10h 15m*				Mi, 14. Feb
Do, 15. Feb		01:16* – 05:41*	*4h 24m*	$M_↘$ *bis* AN_-		09:54	—:—	05:42	*35m*	06:18	*35m*	06:53	*33m*	07:27	*10h 16m*	17:43	*33m*	18:17	*35m*	18:53	*35m*	19:28	*13h 41m*	*10h 12m*				Do, 15. Feb
Fr, 16. Feb		02:35* – 05:39*	*3h 04m*	$M_↘$ *bis* AN_-	◐	10:18	01:16	05:41	*35m*	06:16	*35m*	06:52	*33m*	07:25	*10h 19m*	17:45	*33m*	18:19	*35m*	18:54	*35m*	19:30	*13h 38m*	*10h 09m*				Fr, 16. Feb
Sa, 17. Feb		03:48* – 05:38*	*1h 49m*	$M_↘$ *bis* AN_-		10:49	02:35	05:39	*35m*	06:15	*35m*	06:50	*33m*	07:24	*10h 22m*	17:47	*33m*	18:20	*35m*	18:55	*35m*	19:31	*13h 35m*	*10h 06m*				Sa, 17. Feb
So, 18. Feb		04:52* – 05:36*	*44m*	$M_↘$ *bis* AN_-		11:29	03:48	05:38	*35m*	06:13	*35m*	06:49	*33m*	07:22	*10h 26m*	17:48	*33m*	18:22	*35m*	18:57	*35m*	19:32	*13h 32m*	*10h 03m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		12:20	04:52	05:36	*35m*	06:12	*35m*	06:47	*33m*	07:20	*10h 29m*	17:50	*33m*	18:23	*35m*	18:58	*35m*	19:34	*13h 28m*	*10h 00m*				Mo, 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Di, 20. Feb		—:——:—	–	Mond stört		13:20	05:43	05:35	*35m*	06:10	*35m*	06:45	*33m*	07:19	*10h 32m*	17:51	*33m*	18:25	*35m*	19:00	*35m*	19:35	*13h 25m*	*9h 57m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		14:27	06:22	05:33	*35m*	06:08	*35m*	06:44	*33m*	07:17	*10h 36m*	17:53	*33m*	18:26	*35m*	19:01	*35m*	19:37	*13h 22m*	*9h 54m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:37	06:51	05:31	*35m*	06:07	*35m*	06:42	*33m*	07:15	*10h 39m*	17:54	*33m*	18:28	*35m*	19:03	*35m*	19:38	*13h 18m*	*9h 51m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:46	07:14	05:30	*35m*	06:05	*34m*	06:40	*33m*	07:13	*10h 42m*	17:56	*33m*	18:29	*35m*	19:04	*35m*	19:40	*13h 15m*	*9h 48m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:54	07:32	05:28	*35m*	06:03	*34m*	06:38	*33m*	07:11	*10h 45m*	17:57	*33m*	18:30	*35m*	19:06	*35m*	19:41	*13h 12m*	*9h 44m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		19:00	07:47	05:26	*35m*	06:02	*34m*	06:37	*33m*	07:10	*10h 49m*	17:59	*33m*	18:32	*34m*	19:07	*35m*	19:43	*13h 08m*	*9h 41m*				So, 25. Feb
Mo, 26. Feb		19:44 – 20:06	*21m*	AN$_+$ *bis* M↗		20:06	08:01	05:24	*35m*	06:00	*34m*	06:35	*32m*	07:08	*10h 52m*	18:00	*32m*	18:33	*34m*	19:08	*35m*	19:44	*13h 05m*	*9h 38m*				Mo, 26. Feb
Di, 27. Feb		19:46 – 21:11	*1h 25m*	AN$_+$ *bis* M↗		21:11	08:14	05:22	*35m*	05:58	*34m*	06:33	*32m*	07:06	*10h 56m*	18:02	*32m*	18:35	*34m*	19:10	*35m*	19:46	*13h 02m*	*9h 35m*				Di, 27. Feb
Mi, 28. Feb		19:47 – 22:18	*2h 31m*	AN$_+$ *bis* M↗		22:18	08:28	05:21	*35m*	05:56	*34m*	06:31	*32m*	07:04	*10h 59m*	18:03	*32m*	18:36	*34m*	19:11	*35m*	19:47	*12h 58m*	*9h 31m*				Mi, 28. Feb
Do, 29. Feb		19:49 – 23:27	*3h 38m*	AN$_+$ *bis* M↗		23:27	08:43	05:19	*35m*	05:54	*34m*	06:29	*32m*	07:02	*11h 02m*	18:05	*32m*	18:38	*34m*	19:13	*35m*	19:49	*12h 55m*	*9h 28m*				Do, 29. Feb
Fr, 1. Mär		19:50 – 00:39*	*4h 48m*	AN$_+$ *bis* M↗		—:—	09:01	05:17	*35m*	05:53	*34m*	06:27	*32m*	07:00	*11h 06m*	18:06	*32m*	18:39	*34m*	19:14	*35m*	19:50	*12h 51m*	*9h 24m*				Fr, 1. Mär
Sa, 2. Mär		19:52 – 01:52*	*6h 00m*	AN$_+$ *bis* M↗		00:39	09:24	05:15	*35m*	05:51	*34m*	06:26	*32m*	06:58	*11h 09m*	18:08	*32m*	18:41	*34m*	19:16	*35m*	19:52	*12h 48m*	*9h 21m*				Sa, 2. Mär
So, 3. Mär		19:53 – 03:04*	*7h 10m*	AN$_+$ *bis* M↗	◑	01:52	09:55	05:13	*35m*	05:49	*34m*	06:24	*32m*	06:56	*11h 13m*	18:09	*32m*	18:42	*34m*	19:17	*35m*	19:53	*12h 45m*	*9h 18m*				So, 3. Mär
Mo, 4. Mär		19:55 – 04:09*	*8h 14m*	AN$_+$ *bis* M↗		03:04	10:37	05:11	*35m*	05:47	*34m*	06:22	*32m*	06:55	*11h 16m*	18:11	*32m*	18:44	*34m*	19:19	*35m*	19:55	*12h 41m*	*9h 14m*				Mo, 4. Mär
Di, 5. Mär		19:56 – 05:02*	*9h 06m*	AN$_+$ *bis* M↗		04:09	11:35	05:09	*35m*	05:45	*34m*	06:20	*32m*	06:53	*11h 19m*	18:12	*32m*	18:45	*34m*	19:20	*36m*	19:56	*12h 38m*	*9h 11m*				Di, 5. Mär
Mi, 6. Mär		19:58 – 05:05*	*9h 07m*	AN$_+$ *bis* AN$_-$		05:02	12:48	05:07	*35m*	05:43	*34m*	06:18	*32m*	06:51	*11h 23m*	18:14	*32m*	18:47	*34m*	19:22	*36m*	19:58	*12h 34m*	*9h 07m*				Mi, 6. Mär
Do, 7. Mär		19:59 – 05:03*	*9h 04m*	AN$_+$ *bis* AN$_-$		05:43	14:12	05:05	*36m*	05:41	*34m*	06:16	*32m*	06:49	*11h 26m*	18:15	*32m*	18:48	*34m*	19:23	*36m*	19:59	*12h 31m*	*9h 04m*				Do, 7. Mär
Fr, 8. Mär		20:01 – 05:01*	*9h 00m*	AN$_+$ *bis* AN$_-$		06:14	15:41	05:03	*36m*	05:39	*34m*	06:14	*32m*	06:47	*11h 30m*	18:17	*32m*	18:50	*35m*	19:25	*36m*	20:01	*12h 27m*	*9h 00m*				Fr, 8. Mär
Sa, 9. Mär		20:02 – 04:59*	*8h 56m*	AN$_+$ *bis* AN$_-$		06:39	17:10	05:01	*36m*	05:37	*34m*	06:12	*32m*	06:45	*11h 33m*	18:18	*32m*	18:51	*35m*	19:26	*36m*	20:02	*12h 24m*	*8h 56m*				Sa, 9. Mär
So, 10. Mär		20:04 – 04:57*	*8h 53m*	AN$_+$ *bis* AN$_-$	●	06:59	18:37	04:59	*36m*	05:35	*34m*	06:10	*32m*	06:43	*11h 37m*	18:20	*32m*	18:52	*35m*	19:27	*36m*	20:04	*12h 20m*	*8h 53m*				So, 10. Mär
Mo, 11. Mär		20:05 – 04:55*	*8h 49m*	AN$_+$ *bis* AN$_-$		07:17	20:03	04:57	*36m*	05:33	*34m*	06:08	*32m*	06:41	*11h 40m*	18:21	*32m*	18:54	*35m*	19:29	*36m*	20:05	*12h 17m*	*8h 49m*				Mo, 11. Mär
Di, 12. Mär		21:29 – 04:53*	*7h 23m*	M↘ *bis* AN$_-$		07:35	21:29	04:55	*36m*	05:31	*35m*	06:06	*32m*	06:39	*11h 43m*	18:23	*32m*	18:55	*35m*	19:30	*36m*	20:07	*12h 14m*	*8h 45m*				Di, 12. Mär
Mi, 13. Mär		22:54 – 04:51*	*5h 56m*	M↘ *bis* AN$_-$		07:55	22:54	04:53	*36m*	05:29	*35m*	06:04	*32m*	06:37	*11h 47m*	18:24	*32m*	18:57	*35m*	19:32	*36m*	20:09	*12h 10m*	*8h 42m*				Mi, 13. Mär
Do, 14. Mär		00:17* – 04:48*	*4h 31m*	M↘ *bis* AN$_-$		08:18	—:—	04:51	*36m*	05:27	*35m*	06:02	*32m*	06:35	*11h 50m*	18:26	*32m*	18:58	*35m*	19:33	*36m*	20:10	*12h 07m*	*8h 38m*				Do, 14. Mär
Fr, 15. Mär		01:36* – 04:46*	*3h 10m*	M↘ *bis* AN$_-$		08:47	00:17	04:48	*36m*	05:25	*35m*	06:00	*32m*	06:33	*11h 54m*	18:27	*32m*	19:00	*35m*	19:35	*36m*	20:12	*12h 03m*	*8h 34m*				Fr, 15. Mär
Sa, 16. Mär		02:45* – 04:44*	*1h 59m*	M↘ *bis* AN$_-$		09:25	01:36	04:46	*36m*	05:23	*35m*	05:58	*32m*	06:31	*11h 57m*	18:29	*32m*	19:01	*35m*	19:36	*36m*	20:13	*12h 00m*	*8h 30m*				Sa, 16. Mär
So, 17. Mär		03:41* – 04:42*	*1h 00m*	M↘ *bis* AN$_-$	◐	10:13	02:45	04:44	*36m*	05:21	*35m*	05:56	*32m*	06:29	*12h 01m*	18:30	*32m*	19:03	*35m*	19:38	*37m*	20:15	*11h 56m*	*8h 26m*				So, 17. Mär
Mo, 18. Mär		04:24* – 04:40*	*15m*	M↘ *bis* AN$_-$		11:11	03:41	04:42	*36m*	05:19	*35m*	05:54	*32m*	06:27	*12h 04m*	18:31	*32m*	19:04	*35m*	19:40	*37m*	20:17	*11h 53m*	*8h 23m*				Mo, 18. Mär
Di, 19. Mär		—:——:—	–	Mond stört		12:17	04:24	04:40	*37m*	05:17	*35m*	05:52	*32m*	06:25	*12h 08m*	18:33	*32m*	19:06	*35m*	19:41	*37m*	20:18	*11h 49m*	*8h 19m*				Di, 19. Mär
Mi, 20. Mär		—:——:—	–	Mond stört		13:27	04:56	04:37	*37m*	05:15	*35m*	05:50	*32m*	06:23	*12h 11m*	18:34	*32m*	19:07	*35m*	19:43	*37m*	20:20	*11h 46m*	*8h 15m*				Mi, 20. Mär
Do, 21. Mär		—:——:—	–	Mond stört		14:36	05:20	04:35	*37m*	05:13	*35m*	05:48	*32m*	06:21	*12h 15m*	18:36	*32m*	19:08	*35m*	19:44	*37m*	20:22	*11h 42m*	*8h 11m*				Do, 21. Mär
Fr, 22. Mär		—:——:—	–	Mond stört		15:44	05:39	04:33	*37m*	05:10	*35m*	05:46	*32m*	06:19	*12h 18m*	18:37	*32m*	19:10	*35m*	19:46	*37m*	20:23	*11h 39m*	*8h 07m*				Fr, 22. Mär
Sa, 23. Mär		—:——:—	–	Mond stört		16:51	05:55	04:31	*37m*	05:08	*35m*	05:44	*32m*	06:17	*12h 21m*	18:39	*32m*	19:11	*35m*	19:47	*37m*	20:25	*11h 36m*	*8h 03m*				Sa, 23. Mär
So, 24. Mär		—:——:—	–	Mond stört		17:57	06:09	04:28	*37m*	05:06	*35m*	05:42	*32m*	06:15	*12h 25m*	18:40	*32m*	19:13	*35m*	19:49	*38m*	20:27	*11h 32m*	*7h 59m*				So, 24. Mär
Mo, 25. Mär		—:——:—	–	Mond stört	○	19:02	06:22	04:26	*37m*	05:04	*35m*	05:40	*32m*	06:13	*12h 28m*	18:41	*32m*	19:14	*35m*	19:50	*38m*	20:28	*11h 29m*	*7h 55m*				Mo, 25. Mär
Di, 26. Mär		—:——:—	–	Mond stört		20:09	06:35	04:24	*38m*	05:02	*35m*	05:38	*32m*	06:11	*12h 32m*	18:43	*32m*	19:16	*36m*	19:52	*38m*	20:30	*11h 25m*	*7h 51m*				Di, 26. Mär
Mi, 27. Mär		20:32 – 21:18	*45m*	AN$_+$ *bis* M↗		21:18	06:50	04:21	*38m*	05:00	*36m*	05:36	*32m*	06:09	*12h 35m*	18:44	*32m*	19:17	*36m*	19:53	*38m*	20:32	*11h 22m*	*7h 47m*				Mi, 27. Mär
Do, 28. Mär		20:34 – 22:29	*1h 55m*	AN$_+$ *bis* M↗		22:29	07:07	04:19	*38m*	04:58	*36m*	05:34	*32m*	06:07	*12h 39m*	18:46	*33m*	19:19	*36m*	19:55	*38m*	20:34	*11h 18m*	*7h 43m*				Do, 28. Mär
Fr, 29. Mär		20:35 – 23:42	*3h 06m*	AN$_+$ *bis* M↗		23:42	07:28	04:17	*38m*	04:55	*36m*	05:32	*32m*	06:05	*12h 42m*	18:47	*33m*	19:20	*36m*	19:57	*38m*	20:35	*11h 15m*	*7h 38m*				Fr, 29. Mär
Sa, 30. Mär		20:37 – 00:53*	*4h 16m*	AN$_+$ *bis* M↗		—:—	07:56	04:14	*38m*	04:53	*36m*	05:30	*33m*	06:03	*12h 45m*	18:49	*33m*	19:22	*36m*	19:58	*39m*	20:37	*11h 12m*	*7h 34m*				Sa, 30. Mär
So, 31. Mär	MESZ	21:39 – 03:00*	*5h 20m*	AN$_+$ *bis* M↗		01:53	09:33	05:12	*39m*	05:51	*36m*	06:27	*33m*	07:01	*12h 49m*	19:50	*33m*	20:23	*36m*	21:00	*39m*	21:39	*11h 08m*	*7h 30m*				So, 31. Mär
Mo, 1. Apr	MESZ	21:41 – 03:56*	*6h 15m*	AN$_+$ *bis* M↗		03:00	10:24	05:10	*39m*	05:49	*36m*	06:25	*33m*	06:59	*12h 52m*	19:51	*33m*	20:25	*36m*	21:01	*39m*	21:41	*11h 05m*	*7h 26m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:43 – 04:40*	*6h 57m*	AN$_+$ *bis* M↗	◑	03:56	11:29	05:07	*39m*	05:47	*36m*	06:23	*33m*	06:57	*12h 56m*	19:53	*33m*	20:26	*36m*	21:03	*39m*	21:43	*11h 01m*	*7h 22m*				Di, 2. Apr
Mi, 3. Apr	MESZ	21:45 – 05:02*	*7h 17m*	AN$_+$ *bis* AN$_-$		04:40	12:47	05:05	*39m*	05:44	*36m*	06:21	*33m*	06:55	*12h 59m*	19:54	*33m*	20:28	*37m*	21:05	*39m*	21:45	*10h 58m*	*7h 17m*				Mi, 3. Apr
Do, 4. Apr	MESZ	21:46 – 05:00*	*7h 13m*	AN$_+$ *bis* AN$_-$		05:14	14:11	05:02	*39m*	05:42	*36m*	06:19	*33m*	06:53	*13h 03m*	19:56	*33m*	20:29	*37m*	21:06	*40m*	21:46	*10h 54m*	*7h 13m*				Do, 4. Apr
Fr, 5. Apr	MESZ	21:48 – 04:57*	*7h 09m*	AN$_+$ *bis* AN$_-$		05:40	15:37	05:00	*40m*	05:40	*37m*	06:17	*33m*	06:51	*13h 06m*	19:57	*33m*	20:31	*37m*	21:08	*40m*	21:48	*10h 51m*	*7h 09m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	21:50 – 04:55*	*7h 04m*	AN$_+$ *bis* AN$_-$		06:01	17:03	04:57	*40m*	05:38	*37m*	06:15	*33m*	06:49	*13h 09m*	19:58	*33m*	20:32	*37m*	21:09	*40m*	21:50	*10h 48m*	*7h 04m*				Sa, 6. Apr
So, 7. Apr	MESZ	21:52 – 04:52*	*7h 00m*	AN$_+$ *bis* AN$_-$		06:19	18:29	04:55	*40m*	05:36	*37m*	06:13	*33m*	06:47	*13h 13m*	20:00	*33m*	20:34	*37m*	21:11	*40m*	21:52	*10h 44m*	*7h 00m*				So, 7. Apr
Mo, 8. Apr	MESZ	21:54 – 04:50*	*6h 55m*	AN$_+$ *bis* AN$_-$	●	06:37	19:55	04:52	*40m*	05:33	*37m*	06:11	*33m*	06:45	*13h 16m*	20:01	*33m*	20:35	*37m*	21:13	*41m*	21:54	*10h 41m*	*6h 55m*				Mo, 8. Apr
Di, 9. Apr	MESZ	21:56 – 04:47*	*6h 51m*	AN$_+$ *bis* AN$_-$		06:56	21:21	04:50	*41m*	05:31	*37m*	06:09	*33m*	06:43	*13h 19m*	20:03	*33m*	20:37	*37m*	21:14	*41m*	21:56	*10h 38m*	*6h 51m*				Di, 9. 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mi, 10. Apr	MESZ	22:48 – 04:45*	*5h 56m*	M↘ *bis* AN_		07:18	22:48	04:47	*41m*	05:29	*37m*	06:07	*33m*	06:41	*13h 23m*	20:04	*34m*	20:38	*38m*	21:16	*41m*	21:58	*10h 34m*	*6h 46m*				Mi, 10. Apr
Do, 11. Apr	MESZ	00:12* – 04:42*	*4h 30m*	M↘ *bis* AN_		07:44	—:—	04:45	*41m*	05:27	*38m*	06:05	*33m*	06:39	*13h 26m*	20:05	*34m*	20:40	*38m*	21:18	*42m*	22:00	*10h 31m*	*6h 42m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:29* – 04:40*	*3h 11m*	M↘ *bis* AN_		08:18	00:12	04:42	*42m*	05:25	*38m*	06:03	*34m*	06:37	*13h 30m*	20:07	*34m*	20:41	*38m*	21:20	*42m*	22:02	*10h 28m*	*6h 37m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:32* – 04:37*	*2h 05m*	M↘ *bis* AN_		09:03	01:29	04:40	*42m*	05:22	*38m*	06:01	*34m*	06:35	*13h 33m*	20:08	*34m*	20:43	*38m*	21:21	*42m*	22:04	*10h 24m*	*6h 33m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:22* – 04:35*	*1h 13m*	M↘ *bis* AN_		09:59	02:32	04:37	*42m*	05:20	*38m*	05:59	*34m*	06:33	*13h 36m*	20:10	*34m*	20:44	*38m*	21:23	*43m*	22:06	*10h 21m*	*6h 28m*				So, 14. Apr
Mo, 15. Apr	MESZ	03:58* – 04:32*	*34m*	M↘ *bis* AN_	◐	11:04	03:22	04:35	*43m*	05:18	*38m*	05:57	*34m*	06:31	*13h 39m*	20:11	*34m*	20:46	*39m*	21:25	*43m*	22:08	*10h 18m*	*6h 24m*				Mo, 15. Apr
Di, 16. Apr	MESZ	04:25* – 04:30*	*4m*	M↘ *bis* AN_		12:14	03:58	04:32	*43m*	05:16	*38m*	05:55	*34m*	06:29	*13h 43m*	20:13	*34m*	20:47	*39m*	21:26	*43m*	22:10	*10h 14m*	*6h 19m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:25	04:25	04:30	*43m*	05:14	*39m*	05:53	*34m*	06:27	*13h 46m*	20:14	*34m*	20:49	*39m*	21:28	*44m*	22:12	*10h 11m*	*6h 14m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:34	04:46	04:27	*44m*	05:11	*39m*	05:51	*34m*	06:26	*13h 49m*	20:15	*34m*	20:50	*39m*	21:30	*44m*	22:14	*10h 08m*	*6h 10m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:41	05:02	04:25	*44m*	05:09	*39m*	05:49	*34m*	06:24	*13h 53m*	20:17	*35m*	20:52	*39m*	21:32	*44m*	22:17	*10h 05m*	*6h 05m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:47	05:17	04:22	*44m*	05:07	*39m*	05:47	*35m*	06:22	*13h 56m*	20:18	*35m*	20:53	*40m*	21:33	*45m*	22:19	*10h 01m*	*6h 00m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:52	05:30	04:20	*45m*	05:05	*40m*	05:45	*35m*	06:20	*13h 59m*	20:20	*35m*	20:55	*40m*	21:35	*45m*	22:21	*9h 58m*	*5h 56m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		18:59	05:43	04:17	*45m*	05:03	*40m*	05:43	*35m*	06:18	*14h 02m*	20:21	*35m*	20:56	*40m*	21:37	*46m*	22:23	*9h 55m*	*5h 51m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		20:07	05:57	04:14	*46m*	05:01	*40m*	05:41	*35m*	06:17	*14h 05m*	20:22	*35m*	20:58	*40m*	21:39	*46m*	22:25	*9h 52m*	*5h 46m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:18	06:14	04:12	*46m*	04:58	*40m*	05:39	*35m*	06:15	*14h 09m*	20:24	*35m*	21:00	*41m*	21:41	*47m*	22:28	*9h 49m*	*5h 41m*				Mi, 24. Apr
Do, 25. Apr	MESZ	22:30 – 22:31	*1m*	AN+ *bis* M↗		22:31	06:33	04:09	*47m*	04:56	*41m*	05:37	*35m*	06:13	*14h 12m*	20:25	*35m*	21:01	*41m*	21:42	*47m*	22:30	*9h 46m*	*5h 36m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:32 – 23:44	*1h 11m*	AN+ *bis* M↗		23:44	06:59	04:07	*47m*	04:54	*41m*	05:35	*35m*	06:11	*14h 15m*	20:27	*36m*	21:03	*41m*	21:44	*48m*	22:32	*9h 43m*	*5h 31m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	22:34 – 00:53*	*2h 18m*	AN+ *bis* M↗		—:—	07:34	04:04	*47m*	04:52	*41m*	05:34	*36m*	06:10	*14h 18m*	20:28	*36m*	21:04	*41m*	21:46	*48m*	22:34	*9h 39m*	*5h 26m*				Sa, 27. Apr
So, 28. Apr	MESZ	22:37 – 01:52*	*3h 15m*	AN+ *bis* M↗		00:53	08:20	04:01	*48m*	04:50	*41m*	05:32	*36m*	06:08	*14h 21m*	20:29	*36m*	21:06	*42m*	21:48	*49m*	22:37	*9h 36m*	*5h 22m*				So, 28. Apr
Mo, 29. Apr	MESZ	22:39 – 02:39*	*4h 00m*	AN+ *bis* M↗		01:52	09:21	03:59	*49m*	04:48	*42m*	05:30	*36m*	06:06	*14h 24m*	20:31	*36m*	21:07	*42m*	21:50	*49m*	22:39	*9h 33m*	*5h 17m*				Mo, 29. Apr
Di, 30. Apr	MESZ	22:42 – 03:15*	*4h 33m*	AN+ *bis* M↗		02:39	10:33	03:56	*49m*	04:46	*42m*	05:28	*36m*	06:05	*14h 27m*	20:32	*36m*	21:09	*42m*	21:51	*50m*	22:42	*9h 30m*	*5h 12m*				Di, 30. Apr
Mi, 1. Mai	MESZ	22:44 – 03:43*	*4h 58m*	AN+ *bis* M↗	◑	03:15	11:53	03:54	*50m*	04:44	*42m*	05:26	*36m*	06:03	*14h 30m*	20:34	*36m*	21:10	*42m*	21:53	*50m*	22:44	*9h 27m*	*5h 07m*				Mi, 1. Mai
Do, 2. Mai	MESZ	22:46 – 03:48*	*5h 02m*	AN+ *bis* AN_		03:43	13:16	03:51	*50m*	04:42	*42m*	05:25	*36m*	06:01	*14h 33m*	20:35	*36m*	21:12	*43m*	21:55	*51m*	22:46	*9h 24m*	*5h 02m*				Do, 2. Mai
Fr, 3. Mai	MESZ	22:49 – 03:46*	*4h 57m*	AN+ *bis* AN_		04:04	14:40	03:48	*51m*	04:40	*43m*	05:23	*36m*	06:00	*14h 36m*	20:36	*37m*	21:13	*43m*	21:57	*51m*	22:49	*9h 21m*	*4h 57m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	22:51 – 03:43*	*4h 51m*	AN+ *bis* AN_		04:23	16:02	03:46	*51m*	04:38	*43m*	05:21	*37m*	05:58	*14h 39m*	20:38	*37m*	21:15	*43m*	21:59	*52m*	22:51	*9h 19m*	*4h 51m*				Sa, 4. Mai
So, 5. Mai	MESZ	22:54 – 03:41*	*4h 46m*	AN+ *bis* AN_		04:41	17:25	03:43	*52m*	04:36	*43m*	05:19	*37m*	05:57	*14h 42m*	20:39	*37m*	21:17	*44m*	22:01	*53m*	22:54	*9h 16m*	*4h 46m*				So, 5. Mai
Mo, 6. Mai	MESZ	22:56 – 03:38*	*4h 41m*	AN+ *bis* AN_		04:58	18:50	03:41	*53m*	04:34	*44m*	05:18	*37m*	05:55	*14h 45m*	20:40	*37m*	21:18	*44m*	22:02	*53m*	22:56	*9h 13m*	*4h 41m*				Mo, 6. Mai
Di, 7. Mai	MESZ	22:59 – 03:35*	*4h 36m*	AN+ *bis* AN_		05:18	20:16	03:38	*53m*	04:32	*44m*	05:16	*37m*	05:54	*14h 48m*	20:42	*37m*	21:20	*44m*	22:04	*54m*	22:59	*9h 10m*	*4h 36m*				Di, 7. Mai
Mi, 8. Mai	MESZ	23:01 – 03:33*	*4h 31m*	AN+ *bis* AN_	●	05:42	21:42	03:35	*54m*	04:30	*44m*	05:14	*37m*	05:52	*14h 50m*	20:43	*38m*	21:21	*45m*	22:06	*55m*	23:01	*9h 07m*	*4h 31m*				Mi, 8. Mai
Do, 9. Mai	MESZ	23:04 – 03:30*	*4h 26m*	AN+ *bis* AN_		06:12	23:03	03:33	*55m*	04:28	*45m*	05:13	*38m*	05:51	*14h 53m*	20:44	*38m*	21:23	*45m*	22:08	*55m*	23:04	*9h 05m*	*4h 26m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:15* – 03:27*	*3h 12m*	M↘ *bis* AN_		06:52	—:—	03:30	*55m*	04:26	*45m*	05:11	*38m*	05:49	*14h 56m*	20:46	*38m*	21:24	*45m*	22:10	*56m*	23:06	*9h 02m*	*4h 21m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	01:12* – 03:25*	*2h 12m*	M↘ *bis* AN_		07:44	00:15	03:28	*56m*	04:24	*45m*	05:10	*38m*	05:48	*14h 58m*	20:47	*38m*	21:26	*45m*	22:12	*57m*	23:09	*8h 59m*	*4h 16m*				Sa, 11. Mai
So, 12. Mai	MESZ	01:55* – 03:22*	*1h 27m*	M↘ *bis* AN_		08:48	01:12	03:25	*57m*	04:22	*45m*	05:08	*38m*	05:47	*15h 01m*	20:48	*38m*	21:27	*46m*	22:13	*58m*	23:11	*8h 57m*	*4h 10m*				So, 12. Mai
Mo, 13. Mai	MESZ	02:26* – 03:20*	*53m*	M↘ *bis* AN_		09:58	01:55	03:22	*58m*	04:20	*46m*	05:07	*38m*	05:45	*15h 04m*	20:50	*38m*	21:29	*46m*	22:15	*58m*	23:14	*8h 54m*	*4h 05m*				Mo, 13. Mai
Di, 14. Mai	MESZ	02:50* – 03:17*	*27m*	M↘ *bis* AN_		11:09	02:26	03:20	*58m*	04:19	*46m*	05:05	*38m*	05:44	*15h 06m*	20:51	*39m*	21:30	*46m*	22:17	*59m*	23:17	*8h 51m*	*4h 00m*				Di, 14. Mai
Mi, 15. Mai	MESZ	03:08* – 03:15*	*6m*	M↘ *bis* AN_	◐	12:20	02:50	03:17	*59m*	04:17	*46m*	05:04	*39m*	05:43	*15h 09m*	20:52	*39m*	21:31	*47m*	22:19	*1h 00m*	23:19	*8h 49m*	*3h 55m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:28	03:08	03:15	*1h 00m*	04:15	*47m*	05:02	*39m*	05:42	*15h 11m*	20:53	*39m*	21:33	*47m*	22:21	*1h 01m*	23:22	*8h 46m*	*3h 49m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:35	03:23	03:12	*1h 01m*	04:13	*47m*	05:01	*39m*	05:40	*15h 14m*	20:55	*39m*	21:34	*48m*	22:22	*1h 02m*	23:25	*8h 44m*	*3h 44m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:40	03:37	03:09	*1h 02m*	04:12	*47m*	05:00	*39m*	05:39	*15h 16m*	20:56	*39m*	21:36	*48m*	22:24	*1h 03m*	23:27	*8h 42m*	*3h 39m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:46	03:50	03:07	*1h 03m*	04:10	*48m*	04:58	*39m*	05:38	*15h 18m*	20:57	*39m*	21:37	*48m*	22:26	*1h 04m*	23:30	*8h 39m*	*3h 34m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		17:53	04:04	03:04	*1h 04m*	04:08	*48m*	04:57	*39m*	05:37	*15h 21m*	20:58	*40m*	21:38	*49m*	22:28	*1h 05m*	23:33	*8h 37m*	*3h 29m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		19:04	04:19	03:02	*1h 05m*	04:07	*49m*	04:56	*40m*	05:36	*15h 23m*	20:59	*40m*	21:40	*49m*	22:29	*1h 06m*	23:35	*8h 35m*	*3h 23m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:17	04:38	02:59	*1h 06m*	04:05	*49m*	04:55	*40m*	05:35	*15h 25m*	21:01	*40m*	21:41	*49m*	22:31	*1h 07m*	23:38	*8h 33m*	*3h 18m*				Mi, 22. Mai
Do, 23. Mai	MESZ	—:— – —:—	–	Mond stört	○	21:31	05:02	02:57	*1h 07m*	04:04	*49m*	04:54	*40m*	05:34	*15h 27m*	21:02	*40m*	21:42	*50m*	22:33	*1h 08m*	23:41	*8h 31m*	*3h 13m*				Do, 23. Mai
Fr, 24. Mai	MESZ	—:— – —:—	–	Mond stört		22:42	05:33	02:54	*1h 08m*	04:02	*50m*	04:52	*40m*	05:33	*15h 29m*	21:03	*40m*	21:44	*50m*	22:34	*1h 09m*	23:43	*8h 29m*	*3h 08m*				Fr, 24. Mai
Sa, 25. Mai	MESZ	23:46 – 23:46	*0m*	AN+ *bis* M↗		23:46	06:16	02:52	*1h 09m*	04:01	*50m*	04:51	*40m*	05:32	*15h 31m*	21:04	*41m*	21:45	*50m*	22:36	*1h 10m*	23:46	*8h 27m*	*3h 03m*				Sa, 25. Mai
So, 26. Mai	MESZ	23:49 – 00:38*	*49m*	AN+ *bis* M↗		—:—	07:13	02:49	*1h 10m*	04:00	*50m*	04:50	*41m*	05:31	*15h 33m*	21:05	*41m*	21:46	*51m*	22:37	*1h 11m*	23:49	*8h 25m*	*2h 58m*				So, 26. Mai
Mo, 27. Mai	MESZ	23:51 – 01:17*	*1h 25m*	AN+ *bis* M↗		00:38	08:24	02:47	*1h 11m*	03:58	*51m*	04:49	*41m*	05:30	*15h 35m*	21:06	*41m*	21:47	*51m*	22:39	*1h 12m*	23:51	*8h 23m*	*2h 53m*				Mo, 27. Mai
Di, 28. Mai	MESZ	23:54 – 01:47*	*1h 52m*	AN+ *bis* M↗		01:17	09:42	02:44	*1h 12m*	03:57	*51m*	04:48	*41m*	05:30	*15h 37m*	21:07	*41m*	21:49	*51m*	22:40	*1h 13m*	23:54	*8h 21m*	*2h 48m*				Di, 28. Mai
Mi, 29. Mai	MESZ	23:57 – 02:10*	*2h 13m*	AN+ *bis* M↗		01:47	11:04	02:42	*1h 13m*	03:56	*51m*	04:47	*41m*	05:29	*15h 39m*	21:08	*41m*	21:50	*51m*	22:42	*1h 14m*	23:57	*8h 19m*	*2h 43m*				Mi, 29. 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Do, 30. Mai	MESZ	23:59 – 02:29*	*2h 29m*	AN_+ *bis* $M_↗$	◑	02:10	12:26	02:40	*1h 14m*	03:55	*51m*	04:47	*41m*	05:28	*15h 40m*	21:09	*41m*	21:51	*52m*	22:43	*1h 15m*	23:59	*8h 18m*	*2h 38m*				Do, 30. Mai
Fr, 31. Mai	MESZ	00:02* – 02:35*	*2h 33m*	AN_+ *bis* AN_-		02:29	13:47	02:37	*1h 15m*	03:53	*52m*	04:46	*41m*	05:27	*15h 42m*	21:10	*41m*	21:52	*52m*	22:45	*1h 17m*	00:02*	*8h 16m*	*2h 33m*				Fr, 31. Mai
Sa, 1. Jun	MESZ	00:04* – 02:33*	*2h 28m*	AN_+ *bis* AN_-		02:46	15:07	02:35	*1h 17m*	03:52	*52m*	04:45	*41m*	05:27	*15h 44m*	21:11	*42m*	21:53	*52m*	22:46	*1h 18m*	00:04*	*8h 15m*	*2h 28m*				Sa, 1. Jun
So, 2. Jun	MESZ	00:07* – 02:31*	*2h 23m*	AN_+ *bis* AN_-		03:03	16:28	02:33	*1h 18m*	03:51	*52m*	04:44	*42m*	05:26	*15h 45m*	21:12	*42m*	21:54	*53m*	22:47	*1h 19m*	00:07*	*8h 13m*	*2h 23m*				So, 2. Jun
Mo, 3. Jun	MESZ	00:09* – 02:29*	*2h 19m*	AN_+ *bis* AN_-		03:21	17:51	02:31	*1h 19m*	03:50	*53m*	04:43	*42m*	05:26	*15h 47m*	21:13	*42m*	21:55	*53m*	22:49	*1h 20m*	00:09*	*8h 12m*	*2h 19m*				Mo, 3. Jun
Di, 4. Jun	MESZ	00:12* – 02:27*	*2h 14m*	AN_+ *bis* AN_-		03:42	19:15	02:29	*1h 20m*	03:49	*53m*	04:43	*42m*	05:25	*15h 48m*	21:14	*42m*	21:56	*53m*	22:50	*1h 21m*	00:12*	*8h 11m*	*2h 14m*				Di, 4. Jun
Mi, 5. Jun	MESZ	00:14* – 02:25*	*2h 10m*	AN_+ *bis* AN_-		04:09	20:38	02:27	*1h 21m*	03:49	*53m*	04:42	*42m*	05:25	*15h 49m*	21:14	*42m*	21:57	*53m*	22:51	*1h 23m*	00:14*	*8h 09m*	*2h 10m*				Mi, 5. Jun
Do, 6. Jun	MESZ	00:16* – 02:23*	*2h 06m*	AN_+ *bis* AN_-	●	04:44	21:55	02:25	*1h 23m*	03:48	*53m*	04:42	*42m*	05:24	*15h 50m*	21:15	*42m*	21:58	*54m*	22:52	*1h 24m*	00:16*	*8h 08m*	*2h 06m*				Do, 6. Jun
Fr, 7. Jun	MESZ	00:19* – 02:21*	*2h 02m*	AN_+ *bis* AN_-		05:31	22:59	02:23	*1h 24m*	03:47	*54m*	04:41	*42m*	05:24	*15h 52m*	21:16	*42m*	21:59	*54m*	22:53	*1h 25m*	00:19*	*8h 07m*	*2h 02m*				Fr, 7. Jun
Sa, 8. Jun	MESZ	00:21* – 02:19*	*1h 58m*	AN_+ *bis* AN_-		06:30	23:48	02:21	*1h 25m*	03:46	*54m*	04:41	*42m*	05:24	*15h 53m*	21:17	*42m*	22:00	*54m*	22:54	*1h 26m*	00:21*	*8h 06m*	*1h 58m*				Sa, 8. Jun
So, 9. Jun	MESZ	00:25* – 02:17*	*1h 52m*	$M_↘$ *bis* AN_-		07:38	—:—	02:19	*1h 26m*	03:46	*54m*	04:40	*42m*	05:23	*15h 54m*	21:17	*42m*	22:00	*54m*	22:55	*1h 27m*	00:23*	*8h 05m*	*1h 54m*				So, 9. Jun
Mo, 10. Jun	MESZ	00:51* – 02:16*	*1h 24m*	$M_↘$ *bis* AN_-		08:51	00:25	02:17	*1h 27m*	03:45	*54m*	04:40	*42m*	05:23	*15h 54m*	21:18	*43m*	22:01	*55m*	22:56	*1h 28m*	00:25*	*8h 04m*	*1h 50m*				Mo, 10. Jun
Di, 11. Jun	MESZ	01:12* – 02:14*	*1h 02m*	$M_↘$ *bis* AN_-		10:03	00:51	02:16	*1h 28m*	03:45	*55m*	04:40	*43m*	05:23	*15h 55m*	21:19	*43m*	22:02	*55m*	22:57	*1h 29m*	00:27*	*8h 04m*	*1h 47m*				Di, 11. Jun
Mi, 12. Jun	MESZ	01:28* – 02:13*	*44m*	$M_↘$ *bis* AN_-		11:13	01:12	02:14	*1h 29m*	03:44	*55m*	04:39	*43m*	05:23	*15h 56m*	21:19	*43m*	22:02	*55m*	22:58	*1h 30m*	00:29*	*8h 03m*	*1h 44m*				Mi, 12. Jun
Do, 13. Jun	MESZ	01:43* – 02:12*	*29m*	$M_↘$ *bis* AN_-		12:21	01:28	02:13	*1h 30m*	03:44	*55m*	04:39	*43m*	05:22	*15h 57m*	21:20	*43m*	22:03	*55m*	22:58	*1h 31m*	00:30*	*8h 02m*	*1h 41m*				Do, 13. Jun
Fr, 14. Jun	MESZ	01:56* – 02:11*	*14m*	$M_↘$ *bis* AN_-	◐	13:27	01:43	02:12	*1h 31m*	03:44	*55m*	04:39	*43m*	05:22	*15h 57m*	21:20	*43m*	22:03	*55m*	22:59	*1h 32m*	00:32*	*8h 02m*	*1h 39m*				Fr, 14. Jun
Sa, 15. Jun	MESZ	02:09* – 02:10*	*0m*	$M_↘$ *bis* AN_-		14:32	01:56	02:11	*1h 32m*	03:43	*55m*	04:39	*43m*	05:22	*15h 58m*	21:21	*43m*	22:04	*55m*	23:00	*1h 33m*	00:33*	*8h 01m*	*1h 37m*				Sa, 15. Jun
So, 16. Jun	MESZ	—:— – —:—	–	Mond stört		15:38	02:09	02:10	*1h 33m*	03:43	*55m*	04:39	*43m*	05:22	*15h 58m*	21:21	*43m*	22:04	*55m*	23:00	*1h 33m*	00:34*	*8h 01m*	*1h 35m*				So, 16. Jun
Mo, 17. Jun	MESZ	—:— – —:—	–	Mond stört		16:47	02:24	02:09	*1h 33m*	03:43	*55m*	04:39	*43m*	05:22	*15h 58m*	21:21	*43m*	22:05	*55m*	23:01	*1h 34m*	00:35*	*8h 01m*	*1h 33m*				Mo, 17. Jun
Di, 18. Jun	MESZ	—:— – —:—	–	Mond stört		17:59	02:41	02:09	*1h 34m*	03:43	*55m*	04:39	*43m*	05:22	*15h 59m*	21:22	*43m*	22:05	*55m*	23:01	*1h 34m*	00:36*	*8h 00m*	*1h 33m*				Di, 18. Jun
Mi, 19. Jun	MESZ	—:— – —:—	–	Mond stört		19:13	03:03	02:09	*1h 34m*	03:43	*55m*	04:39	*43m*	05:23	*15h 59m*	21:22	*43m*	22:05	*55m*	23:01	*1h 34m*	00:36*	*8h 00m*	*1h 32m*				Mi, 19. Jun
Do, 20. Jun	MESZ	—:— – —:—	–	Mond stört		20:26	03:31	02:09	*1h 34m*	03:43	*55m*	04:39	*43m*	05:23	*15h 59m*	21:22	*43m*	22:06	*55m*	23:02	*1h 34m*	00:36*	*8h 00m*	*1h 32m*				Do, 20. Jun
Fr, 21. Jun	MESZ	—:— – —:—	–	Mond stört		21:34	04:10	02:09	*1h 34m*	03:44	*55m*	04:39	*43m*	05:23	*15h 59m*	21:22	*43m*	22:06	*55m*	23:02	*1h 34m*	00:37*	*8h 00m*	*1h 32m*				Fr, 21. Jun
Sa, 22. Jun	MESZ	—:— – —:—	–	Mond stört	○	22:32	05:02	02:09	*1h 34m*	03:44	*55m*	04:40	*43m*	05:23	*15h 59m*	21:23	*43m*	22:06	*55m*	23:02	*1h 34m*	00:36*	*8h 00m*	*1h 33m*				Sa, 22. Jun
So, 23. Jun	MESZ	—:— – —:—	–	Mond stört		23:16	06:10	02:10	*1h 34m*	03:44	*55m*	04:40	*43m*	05:24	*15h 59m*	21:23	*43m*	22:06	*55m*	23:02	*1h 34m*	00:36*	*8h 01m*	*1h 34m*				So, 23. Jun
Mo, 24. Jun	MESZ	—:— – —:—	–	Mond stört		23:49	07:28	02:10	*1h 34m*	03:45	*55m*	04:40	*43m*	05:24	*15h 58m*	21:23	*43m*	22:06	*55m*	23:02	*1h 33m*	00:36*	*8h 01m*	*1h 35m*				Mo, 24. Jun
Di, 25. Jun	MESZ	—:— – —:—	–	Mond stört		—:—	08:51	02:11	*1h 33m*	03:45	*55m*	04:41	*43m*	05:24	*15h 58m*	21:23	*43m*	22:06	*55m*	23:02	*1h 33m*	00:35*	*8h 01m*	*1h 37m*				Di, 25. Jun
Mi, 26. Jun	MESZ	00:34* – 00:35*	*0m*	AN_+ *bis* $M_↗$		00:14	10:15	02:12	*1h 33m*	03:46	*55m*	04:41	*43m*	05:25	*15h 58m*	21:23	*43m*	22:06	*55m*	23:02	*1h 32m*	00:34*	*8h 02m*	*1h 39m*				Mi, 26. Jun
Do, 27. Jun	MESZ	00:33* – 00:52*	*19m*	AN_+ *bis* $M_↗$		00:35	11:36	02:14	*1h 32m*	03:46	*55m*	04:42	*43m*	05:25	*15h 57m*	21:23	*43m*	22:06	*55m*	23:01	*1h 31m*	00:33*	*8h 02m*	*1h 42m*				Do, 27. Jun
Fr, 28. Jun	MESZ	00:32* – 01:09*	*37m*	AN_+ *bis* $M_↗$	◑	00:52	12:57	02:15	*1h 31m*	03:47	*55m*	04:42	*43m*	05:26	*15h 57m*	21:23	*43m*	22:06	*55m*	23:01	*1h 30m*	00:32*	*8h 03m*	*1h 45m*				Fr, 28. Jun
Sa, 29. Jun	MESZ	00:30* – 01:26*	*55m*	AN_+ *bis* $M_↗$		01:09	14:16	02:17	*1h 30m*	03:48	*55m*	04:43	*43m*	05:26	*15h 56m*	21:22	*43m*	22:06	*55m*	23:01	*1h 29m*	00:30*	*8h 04m*	*1h 48m*				Sa, 29. Jun
So, 30. Jun	MESZ	00:29* – 01:46*	*1h 17m*	AN_+ *bis* $M_↗$		01:26	15:37	02:19	*1h 29m*	03:48	*55m*	04:43	*43m*	05:27	*15h 55m*	21:22	*43m*	22:05	*54m*	23:00	*1h 28m*	00:29*	*8h 04m*	*1h 51m*				So, 30. Jun
Mo, 1. Jul	MESZ	00:27* – 02:10*	*1h 42m*	AN_+ *bis* $M_↗$		01:46	16:59	02:20	*1h 28m*	03:49	*55m*	04:44	*43m*	05:27	*15h 54m*	21:22	*42m*	22:05	*54m*	23:00	*1h 27m*	00:27*	*8h 05m*	*1h 55m*				Mo, 1. Jul
Di, 2. Jul	MESZ	00:26* – 02:25*	*1h 58m*	AN_+ *bis* AN_-		02:10	18:20	02:22	*1h 27m*	03:50	*54m*	04:45	*42m*	05:28	*15h 53m*	21:22	*42m*	22:05	*54m*	22:59	*1h 26m*	00:26*	*8h 06m*	*1h 58m*				Di, 2. Jul
Mi, 3. Jul	MESZ	00:24* – 02:27*	*2h 02m*	AN_+ *bis* AN_-		02:41	19:38	02:25	*1h 26m*	03:51	*54m*	04:46	*42m*	05:29	*15h 52m*	21:21	*42m*	22:04	*54m*	22:59	*1h 25m*	00:24*	*8h 07m*	*2h 02m*				Mi, 3. Jul
Do, 4. Jul	MESZ	00:22* – 02:29*	*2h 06m*	AN_+ *bis* AN_-		03:22	20:46	02:27	*1h 25m*	03:52	*54m*	04:46	*42m*	05:29	*15h 51m*	21:21	*42m*	22:04	*54m*	22:58	*1h 24m*	00:22*	*8h 08m*	*2h 06m*				Do, 4. Jul
Fr, 5. Jul	MESZ	00:20* – 02:31*	*2h 11m*	AN_+ *bis* AN_-		04:16	21:41	02:29	*1h 24m*	03:53	*54m*	04:47	*42m*	05:30	*15h 50m*	21:21	*42m*	22:03	*53m*	22:57	*1h 22m*	00:20*	*8h 10m*	*2h 11m*				Fr, 5. Jul
Sa, 6. Jul	MESZ	00:18* – 02:34*	*2h 15m*	AN_+ *bis* AN_-	●	05:21	22:22	02:31	*1h 22m*	03:54	*53m*	04:48	*42m*	05:31	*15h 49m*	21:20	*42m*	22:03	*53m*	22:56	*1h 21m*	00:18*	*8h 11m*	*2h 15m*				Sa, 6. Jul
So, 7. Jul	MESZ	00:16* – 02:36*	*2h 20m*	AN_+ *bis* AN_-		06:33	22:52	02:34	*1h 21m*	03:55	*53m*	04:49	*42m*	05:31	*15h 48m*	21:20	*42m*	22:02	*53m*	22:55	*1h 20m*	00:16*	*8h 12m*	*2h 20m*				So, 7. Jul
Mo, 8. Jul	MESZ	00:14* – 02:38*	*2h 24m*	AN_+ *bis* AN_-		07:46	23:15	02:36	*1h 20m*	03:57	*53m*	04:50	*42m*	05:32	*15h 46m*	21:19	*42m*	22:01	*53m*	22:54	*1h 19m*	00:14*	*8h 14m*	*2h 24m*				Mo, 8. Jul
Di, 9. Jul	MESZ	00:12* – 02:41*	*2h 29m*	AN_+ *bis* AN_-		08:57	23:33	02:38	*1h 19m*	03:58	*53m*	04:51	*42m*	05:33	*15h 45m*	21:19	*42m*	22:01	*52m*	22:53	*1h 18m*	00:12*	*8h 15m*	*2h 29m*				Di, 9. Jul
Mi, 10. Jul	MESZ	00:09* – 02:44*	*2h 34m*	AN_+ *bis* AN_-		10:06	23:48	02:41	*1h 18m*	03:59	*52m*	04:52	*42m*	05:34	*15h 43m*	21:18	*41m*	22:00	*52m*	22:52	*1h 16m*	00:09*	*8h 16m*	*2h 34m*				Mi, 10. Jul
Do, 11. Jul	MESZ	00:07* – 02:46*	*2h 38m*	AN_+ *bis* AN_-		11:13	—:—	02:44	*1h 16m*	04:00	*52m*	04:53	*41m*	05:35	*15h 42m*	21:17	*41m*	21:59	*52m*	22:51	*1h 15m*	00:07*	*8h 18m*	*2h 38m*				Do, 11. Jul
Fr, 12. Jul	MESZ	00:15* – 02:49*	*2h 34m*	$M_↘$ *bis* AN_-		12:18	00:01	02:46	*1h 15m*	04:02	*52m*	04:54	*41m*	05:36	*15h 40m*	21:17	*41m*	21:58	*51m*	22:50	*1h 14m*	00:05*	*8h 20m*	*2h 43m*				Fr, 12. Jul
Sa, 13. Jul	MESZ	00:28* – 02:51*	*2h 22m*	$M_↘$ *bis* AN_-		13:24	00:15	02:49	*1h 14m*	04:03	*51m*	04:55	*41m*	05:37	*15h 39m*	21:16	*41m*	21:57	*51m*	22:49	*1h 13m*	00:02*	*8h 21m*	*2h 48m*				Sa, 13. Jul
So, 14. Jul	MESZ	00:44* – 02:54*	*2h 09m*	$M_↘$ *bis* AN_-	◐	14:31	00:28	02:51	*1h 13m*	04:05	*51m*	04:56	*41m*	05:38	*15h 37m*	21:15	*41m*	21:56	*51m*	22:48	*1h 12m*	00:00*	*8h 23m*	*2h 53m*				So, 14. Jul
Mo, 15. Jul	MESZ	01:03* – 02:56*	*1h 53m*	$M_↘$ *bis* AN_-		15:40	00:44	02:54	*1h 12m*	04:06	*51m*	04:57	*41m*	05:39	*15h 35m*	21:14	*41m*	21:55	*50m*	22:46	*1h 11m*	23:58	*8h 25m*	*2h 58m*				Mo, 15. Jul
Di, 16. Jul	MESZ	01:28* – 02:59*	*1h 30m*	$M_↘$ *bis* AN_-		16:53	01:03	02:56	*1h 11m*	04:08	*50m*	04:59	*41m*	05:40	*15h 33m*	21:13	*40m*	21:54	*50m*	22:45	*1h 10m*	23:55	*8h 27m*	*3h 03m*				Di, 16. Jul
Mi, 17. Jul	MESZ	02:02* – 03:02*	*1h 00m*	$M_↘$ *bis* AN_-		18:06	01:28	02:59	*1h 10m*	04:09	*50m*	05:00	*40m*	05:41	*15h 31m*	21:12	*40m*	21:53	*50m*	22:44	*1h 09m*	23:53	*8h 29m*	*3h 09m*				Mi, 17. Jul
Do, 18. Jul	MESZ	02:48* – 03:04*	*16m*	$M_↘$ *bis* AN_-		19:17	02:02	03:02	*1h 09m*	04:11	*50m*	05:01	*40m*	05:42	*15h 29m*	21:12	*40m*	21:52	*49m*	22:42	*1h 08m*	23:50	*8h 31m*	*3h 14m*				Do, 18. 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Fr, 19. Jul	MESZ	—:——:—	–	Mond stört		20:20	02:48	03:04	*1h 08m*	04:12	*50m*	05:02	*40m*	05:43	*15h 27m*	21:11	*40m*	21:51	*49m*	22:41	*1h 06m*	23:48	*8h 33m*	*3h 19m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:——:—	–	Mond stört		21:10	03:50	03:07	*1h 06m*	04:14	*49m*	05:04	*40m*	05:44	*15h 25m*	21:10	*40m*	21:50	*49m*	22:39	*1h 05m*	23:45	*8h 35m*	*3h 24m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:——:—	–	Mond stört	○	21:48	05:05	03:10	*1h 05m*	04:16	*49m*	05:05	*40m*	05:45	*15h 23m*	21:09	*40m*	21:49	*48m*	22:38	*1h 05m*	23:43	*8h 37m*	*3h 29m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:——:—	–	Mond stört		22:17	06:29	03:12	*1h 05m*	04:17	*48m*	05:06	*40m*	05:46	*15h 21m*	21:07	*39m*	21:47	*48m*	22:36	*1h 04m*	23:40	*8h 40m*	*3h 34m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:——:—	–	Mond stört		22:39	07:55	03:15	*1h 04m*	04:19	*48m*	05:08	*39m*	05:48	*15h 18m*	21:06	*39m*	21:46	*48m*	22:34	*1h 03m*	23:38	*8h 42m*	*3h 39m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:——:—	–	Mond stört		22:58	09:20	03:17	*1h 03m*	04:21	*48m*	05:09	*39m*	05:49	*15h 16m*	21:05	*39m*	21:45	*47m*	22:33	*1h 02m*	23:35	*8h 44m*	*3h 45m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:——:—	–	Mond stört		23:15	10:43	03:20	*1h 02m*	04:22	*47m*	05:10	*39m*	05:50	*15h 14m*	21:04	*39m*	21:43	*47m*	22:31	*1h 01m*	23:32	*8h 47m*	*3h 50m*				Do, 25. Jul
Fr, 26. Jul	MESZ	23:30 – 23:32	*2m*	AN$_+$ *bis* M↗		23:32	12:05	03:23	*1h 01m*	04:24	*47m*	05:12	*39m*	05:51	*15h 11m*	21:03	*39m*	21:42	*47m*	22:29	*1h 00m*	23:30	*8h 49m*	*3h 55m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	23:27 – 23:51	*23m*	AN$_+$ *bis* M↗		23:51	13:26	03:25	*1h 00m*	04:26	*47m*	05:13	*39m*	05:52	*15h 09m*	21:02	*39m*	21:41	*46m*	22:28	*59m*	23:27	*8h 52m*	*4h 00m*				Sa, 27. Jul
So, 28. Jul	MESZ	23:25 – 00:13*	*48m*	AN$_+$ *bis* M↗	◑	—:—	14:48	03:28	*59m*	04:27	*46m*	05:14	*39m*	05:54	*15h 06m*	21:00	*38m*	21:39	*46m*	22:26	*58m*	23:25	*8h 54m*	*4h 05m*				So, 28. Jul
Mo, 29. Jul	MESZ	23:22 – 00:42*	*1h 19m*	AN$_+$ *bis* M↗		00:13	16:09	03:30	*58m*	04:29	*46m*	05:16	*38m*	05:55	*15h 04m*	20:59	*38m*	21:38	*46m*	22:24	*58m*	23:22	*8h 57m*	*4h 10m*				Mo, 29. Jul
Di, 30. Jul	MESZ	23:19 – 01:19*	*1h 59m*	AN$_+$ *bis* M↗		00:42	17:28	03:33	*58m*	04:31	*46m*	05:17	*38m*	05:56	*15h 01m*	20:58	*38m*	21:36	*45m*	22:22	*57m*	23:19	*8h 59m*	*4h 16m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:17 – 02:08*	*2h 51m*	AN$_+$ *bis* M↗		01:19	18:38	03:35	*57m*	04:33	*45m*	05:19	*38m*	05:57	*14h 58m*	20:56	*38m*	21:35	*45m*	22:20	*56m*	23:17	*9h 02m*	*4h 21m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:14 – 03:09*	*3h 54m*	AN$_+$ *bis* M↗		02:08	19:36	03:38	*56m*	04:34	*45m*	05:20	*38m*	05:59	*14h 56m*	20:55	*38m*	21:33	*45m*	22:18	*55m*	23:14	*9h 04m*	*4h 26m*				Do, 1. Aug
Fr, 2. Aug	MESZ	23:12 – 03:43*	*4h 31m*	AN$_+$ *bis* AN$_-$		03:09	20:21	03:40	*55m*	04:36	*45m*	05:22	*38m*	06:00	*14h 53m*	20:53	*38m*	21:31	*45m*	22:16	*55m*	23:12	*9h 07m*	*4h 31m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	23:09 – 03:45*	*4h 36m*	AN$_+$ *bis* AN$_-$		04:18	20:54	03:43	*55m*	04:38	*45m*	05:23	*38m*	06:01	*14h 50m*	20:52	*37m*	21:30	*44m*	22:14	*54m*	23:09	*9h 10m*	*4h 36m*				Sa, 3. Aug
So, 4. Aug	MESZ	23:06 – 03:48*	*4h 41m*	AN$_+$ *bis* AN$_-$	●	05:30	21:19	03:45	*54m*	04:40	*44m*	05:25	*37m*	06:02	*14h 48m*	20:50	*37m*	21:28	*44m*	22:13	*53m*	23:06	*9h 13m*	*4h 41m*				So, 4. Aug
Mo, 5. Aug	MESZ	23:04 – 03:50*	*4h 46m*	AN$_+$ *bis* AN$_-$		06:43	21:38	03:48	*53m*	04:42	*44m*	05:26	*37m*	06:04	*14h 45m*	20:49	*37m*	21:26	*44m*	22:11	*53m*	23:04	*9h 16m*	*4h 46m*				Mo, 5. Aug
Di, 6. Aug	MESZ	23:01 – 03:53*	*4h 51m*	AN$_+$ *bis* AN$_-$		07:53	21:54	03:50	*53m*	04:43	*44m*	05:27	*37m*	06:05	*14h 42m*	20:47	*37m*	21:25	*43m*	22:09	*52m*	23:01	*9h 18m*	*4h 51m*				Di, 6. Aug
Mi, 7. Aug	MESZ	22:58 – 03:55*	*4h 56m*	AN$_+$ *bis* AN$_-$		09:00	22:08	03:53	*52m*	04:45	*43m*	05:29	*37m*	06:06	*14h 39m*	20:46	*37m*	21:23	*43m*	22:07	*51m*	22:58	*9h 21m*	*4h 56m*				Mi, 7. Aug
Do, 8. Aug	MESZ	22:56 – 03:57*	*5h 01m*	AN$_+$ *bis* AN$_-$		10:06	22:21	03:55	*51m*	04:47	*43m*	05:30	*37m*	06:08	*14h 36m*	20:44	*36m*	21:21	*43m*	22:04	*51m*	22:56	*9h 24m*	*5h 01m*				Do, 8. Aug
Fr, 9. Aug	MESZ	22:53 – 04:00*	*5h 06m*	AN$_+$ *bis* AN$_-$		11:11	22:34	03:57	*51m*	04:49	*43m*	05:32	*37m*	06:09	*14h 33m*	20:43	*36m*	21:19	*42m*	22:02	*50m*	22:53	*9h 27m*	*5h 06m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	22:50 – 04:02*	*5h 11m*	AN$_+$ *bis* AN$_-$		12:17	22:49	04:00	*50m*	04:50	*42m*	05:33	*36m*	06:10	*14h 30m*	20:41	*36m*	21:18	*42m*	22:00	*50m*	22:50	*9h 30m*	*5h 11m*				Sa, 10. Aug
So, 11. Aug	MESZ	23:06 – 04:04*	*4h 58m*	M↘ *bis* AN$_-$		13:25	23:06	04:02	*50m*	04:52	*42m*	05:35	*36m*	06:12	*14h 27m*	20:39	*36m*	21:16	*42m*	21:58	*49m*	22:48	*9h 33m*	*5h 16m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:28 – 04:07*	*4h 39m*	M↘ *bis* AN$_-$	◐	14:35	23:28	04:04	*49m*	04:54	*42m*	05:36	*36m*	06:13	*14h 24m*	20:38	*36m*	21:14	*42m*	21:56	*49m*	22:45	*9h 36m*	*5h 21m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:56 – 04:09*	*4h 12m*	M↘ *bis* AN$_-$		15:48	23:56	04:07	*49m*	04:56	*42m*	05:38	*36m*	06:14	*14h 21m*	20:36	*36m*	21:12	*41m*	21:54	*48m*	22:43	*9h 39m*	*5h 26m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:36* – 04:11*	*3h 35m*	M↘ *bis* AN$_-$		16:59	—:—	04:09	*48m*	04:57	*41m*	05:39	*36m*	06:16	*14h 18m*	20:34	*36m*	21:10	*41m*	21:52	*48m*	22:40	*9h 42m*	*5h 31m*				Mi, 14. Aug
Do, 15. Aug	MESZ	01:29* – 04:13*	*2h 44m*	M↘ *bis* AN$_-$		18:05	00:36	04:11	*48m*	04:59	*41m*	05:41	*36m*	06:17	*14h 15m*	20:33	*35m*	21:08	*41m*	21:50	*47m*	22:37	*9h 45m*	*5h 35m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:38* – 04:16*	*1h 37m*	M↘ *bis* AN$_-$		19:00	01:29	04:13	*47m*	05:01	*41m*	05:42	*35m*	06:18	*14h 12m*	20:31	*35m*	21:07	*41m*	21:48	*47m*	22:35	*9h 48m*	*5h 40m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	03:59* – 04:18*	*18m*	M↘ *bis* AN$_-$		19:43	02:38	04:16	*47m*	05:03	*41m*	05:44	*35m*	06:20	*14h 09m*	20:29	*35m*	21:05	*40m*	21:45	*46m*	22:32	*9h 51m*	*5h 45m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:——:—	–	Mond stört		20:16	03:59	04:18	*46m*	05:04	*40m*	05:45	*35m*	06:21	*14h 06m*	20:27	*35m*	21:03	*40m*	21:43	*46m*	22:30	*9h 54m*	*5h 50m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:——:—	–	Mond stört	○	20:41	05:26	04:20	*46m*	05:06	*40m*	05:47	*35m*	06:22	*14h 03m*	20:25	*35m*	21:01	*40m*	21:41	*45m*	22:27	*9h 58m*	*5h 55m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:——:—	–	Mond stört		21:01	06:53	04:22	*45m*	05:08	*40m*	05:48	*35m*	06:24	*14h 00m*	20:24	*35m*	20:59	*40m*	21:39	*45m*	22:24	*10h 01m*	*5h 59m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:——:—	–	Mond stört		21:19	08:20	04:24	*45m*	05:09	*40m*	05:50	*35m*	06:25	*13h 56m*	20:22	*35m*	20:57	*39m*	21:37	*44m*	22:22	*10h 04m*	*6h 04m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:——:—	–	Mond stört		21:37	09:45	04:26	*45m*	05:11	*39m*	05:51	*35m*	06:26	*13h 53m*	20:20	*34m*	20:55	*39m*	21:35	*44m*	22:19	*10h 07m*	*6h 09m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:——:—	–	Mond stört		21:55	11:09	04:28	*44m*	05:13	*39m*	05:53	*34m*	06:28	*13h 50m*	20:18	*34m*	20:53	*39m*	21:32	*44m*	22:17	*10h 10m*	*6h 13m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	22:14 – 22:17	*2m*	AN$_+$ *bis* M↗		22:17	12:33	04:30	*44m*	05:15	*39m*	05:54	*34m*	06:29	*13h 47m*	20:16	*34m*	20:51	*39m*	21:30	*43m*	22:14	*10h 13m*	*6h 18m*				Sa, 24. Aug
So, 25. Aug	MESZ	22:11 – 22:44	*32m*	AN$_+$ *bis* M↗		22:44	13:57	04:32	*43m*	05:16	*39m*	05:55	*34m*	06:30	*13h 44m*	20:14	*34m*	20:49	*39m*	21:28	*43m*	22:11	*10h 17m*	*6h 22m*				So, 25. Aug
Mo, 26. Aug	MESZ	22:09 – 23:18	*1h 09m*	AN$_+$ *bis* M↗	◑	23:18	15:18	04:34	*43m*	05:18	*39m*	05:57	*34m*	06:32	*13h 40m*	20:12	*34m*	20:47	*38m*	21:26	*43m*	22:09	*10h 20m*	*6h 27m*				Mo, 26. Aug
Di, 27. Aug	MESZ	22:06 – 00:03*	*1h 57m*	AN$_+$ *bis* M↗		—:—	16:32	04:36	*43m*	05:19	*38m*	05:58	*34m*	06:33	*13h 37m*	20:11	*34m*	20:45	*38m*	21:24	*42m*	22:06	*10h 23m*	*6h 31m*				Di, 27. Aug
Mi, 28. Aug	MESZ	22:04 – 01:01*	*2h 56m*	AN$_+$ *bis* M↗		00:03	17:34	04:38	*42m*	05:21	*38m*	06:00	*34m*	06:34	*13h 34m*	20:09	*34m*	20:43	*38m*	21:21	*42m*	22:04	*10h 26m*	*6h 36m*				Mi, 28. Aug
Do, 29. Aug	MESZ	22:01 – 02:07*	*4h 05m*	AN$_+$ *bis* M↗		01:01	18:22	04:40	*42m*	05:23	*38m*	06:01	*34m*	06:36	*13h 31m*	20:07	*34m*	20:41	*38m*	21:19	*42m*	22:01	*10h 30m*	*6h 40m*				Do, 29. Aug
Fr, 30. Aug	MESZ	21:59 – 03:19*	*5h 19m*	AN$_+$ *bis* M↗		02:07	18:57	04:42	*42m*	05:24	*38m*	06:03	*34m*	06:37	*13h 27m*	20:05	*34m*	20:39	*38m*	21:17	*41m*	21:59	*10h 33m*	*6h 45m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	21:56 – 04:31*	*6h 34m*	AN$_+$ *bis* M↗		03:19	19:24	04:44	*41m*	05:26	*38m*	06:04	*34m*	06:38	*13h 24m*	20:03	*33m*	20:37	*37m*	21:15	*41m*	21:56	*10h 36m*	*6h 49m*				Sa, 31. Aug
So, 1. Sep	MESZ	21:54 – 04:48*	*6h 54m*	AN$_+$ *bis* AN$_-$		04:31	19:44	04:46	*41m*	05:28	*37m*	06:06	*33m*	06:40	*13h 21m*	20:01	*33m*	20:35	*37m*	21:12	*41m*	21:54	*10h 40m*	*6h 54m*				So, 1. Sep
Mo, 2. Sep	MESZ	21:51 – 04:50*	*6h 58m*	AN$_+$ *bis* AN$_-$		05:41	20:01	04:48	*41m*	05:29	*37m*	06:07	*33m*	06:41	*13h 17m*	19:59	*33m*	20:33	*37m*	21:10	*41m*	21:51	*10h 43m*	*6h 58m*				Mo, 2. Sep
Di, 3. Sep	MESZ	21:49 – 04:52*	*7h 02m*	AN$_+$ *bis* AN$_-$	●	06:49	20:15	04:50	*41m*	05:31	*37m*	06:08	*33m*	06:42	*13h 14m*	19:57	*33m*	20:30	*37m*	21:08	*40m*	21:49	*10h 46m*	*7h 02m*				Di, 3. Sep
Mi, 4. Sep	MESZ	21:46 – 04:53*	*7h 07m*	AN$_+$ *bis* AN$_-$		07:56	20:28	04:52	*40m*	05:32	*37m*	06:10	*33m*	06:44	*13h 11m*	19:55	*33m*	20:28	*37m*	21:06	*40m*	21:46	*10h 50m*	*7h 07m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:44 – 04:55*	*7h 11m*	AN$_+$ *bis* AN$_-$		09:01	20:41	04:53	*40m*	05:34	*37m*	06:11	*33m*	06:45	*13h 07m*	19:53	*33m*	20:26	*37m*	21:03	*40m*	21:44	*10h 53m*	*7h 11m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:41 – 04:57*	*7h 15m*	AN$_+$ *bis* AN$_-$		10:07	20:55	04:55	*40m*	05:35	*37m*	06:13	*33m*	06:46	*13h 04m*	19:51	*33m*	20:24	*37m*	21:01	*40m*	21:41	*10h 56m*	*7h 15m*				Fr, 6. 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Sa, 7. Sep	MESZ	21:39 – 04:59*	*7h 19m*	AN_+ *bis* AN_-		11:14	21:11	04:57	*40m*	05:37	*37m*	06:14	*33m*	06:48	*13h 01m*	19:49	*33m*	20:22	*36m*	20:59	*39m*	21:39	*11h 00m*	*7h 19m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:36 – 05:00*	*7h 24m*	AN_+ *bis* AN_-		12:22	21:30	04:59	*39m*	05:39	*36m*	06:16	*33m*	06:49	*12h 57m*	19:47	*33m*	20:20	*36m*	20:57	*39m*	21:36	*11h 03m*	*7h 24m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:55 – 05:02*	*7h 06m*	$M_↘$ *bis* AN_-		13:33	21:55	05:00	*39m*	05:40	*36m*	06:17	*33m*	06:50	*12h 54m*	19:45	*33m*	20:18	*36m*	20:55	*39m*	21:34	*11h 06m*	*7h 28m*				Mo, 9. Sep
Di, 10. Sep	MESZ	22:29 – 05:04*	*6h 34m*	$M_↘$ *bis* AN_-		14:44	22:29	05:02	*39m*	05:42	*36m*	06:18	*33m*	06:52	*12h 51m*	19:43	*33m*	20:16	*36m*	20:52	*39m*	21:31	*11h 10m*	*7h 32m*				Di, 10. Sep
Mi, 11. Sep	MESZ	23:15 – 05:06*	*5h 50m*	$M_↘$ *bis* AN_-	◐	15:51	23:15	05:04	*39m*	05:43	*36m*	06:20	*33m*	06:53	*12h 47m*	19:41	*33m*	20:14	*36m*	20:50	*38m*	21:29	*11h 13m*	*7h 36m*				Mi, 11. Sep
Do, 12. Sep	MESZ	00:16* – 05:07*	*4h 51m*	$M_↘$ *bis* AN_-		16:49	—:—	05:06	*39m*	05:45	*36m*	06:21	*33m*	06:54	*12h 44m*	19:39	*32m*	20:12	*36m*	20:48	*38m*	21:27	*11h 16m*	*7h 40m*				Do, 12. Sep
Fr, 13. Sep	MESZ	01:30* – 05:09*	*3h 39m*	$M_↘$ *bis* AN_-		17:36	00:16	05:07	*38m*	05:46	*36m*	06:23	*33m*	06:56	*12h 41m*	19:37	*32m*	20:10	*36m*	20:46	*38m*	21:24	*11h 20m*	*7h 44m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:53* – 05:11*	*2h 18m*	$M_↘$ *bis* AN_-		18:13	01:30	05:09	*38m*	05:48	*36m*	06:24	*32m*	06:57	*12h 37m*	19:35	*32m*	20:07	*36m*	20:44	*38m*	21:22	*11h 23m*	*7h 48m*				Sa, 14. Sep
So, 15. Sep	MESZ	04:19* – 05:12*	*53m*	$M_↘$ *bis* AN_-		18:40	02:53	05:11	*38m*	05:49	*36m*	06:25	*32m*	06:58	*12h 34m*	19:32	*32m*	20:05	*35m*	20:41	*38m*	21:20	*11h 27m*	*7h 52m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		19:03	04:19	05:12	*38m*	05:51	*36m*	06:27	*32m*	07:00	*12h 30m*	19:30	*32m*	20:03	*35m*	20:39	*38m*	21:17	*11h 30m*	*7h 56m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:22	05:46	05:14	*38m*	05:52	*35m*	06:28	*32m*	07:01	*12h 27m*	19:28	*32m*	20:01	*35m*	20:37	*37m*	21:15	*11h 33m*	*8h 00m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:40	07:13	05:16	*37m*	05:54	*35m*	06:29	*32m*	07:02	*12h 24m*	19:26	*32m*	19:59	*35m*	20:35	*37m*	21:13	*11h 37m*	*8h 04m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		19:58	08:40	05:17	*37m*	05:55	*35m*	06:31	*32m*	07:04	*12h 20m*	19:24	*32m*	19:57	*35m*	20:33	*37m*	21:10	*11h 40m*	*8h 08m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		20:19	10:07	05:19	*37m*	05:56	*35m*	06:32	*32m*	07:05	*12h 17m*	19:22	*32m*	19:55	*35m*	20:30	*37m*	21:08	*11h 44m*	*8h 12m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:44	11:35	05:20	*37m*	05:58	*35m*	06:34	*32m*	07:06	*12h 13m*	19:20	*32m*	19:53	*35m*	20:28	*37m*	21:06	*11h 47m*	*8h 16m*				Sa, 21. Sep
So, 22. Sep	MESZ	21:03 – 21:16	*12m*	AN_+ *bis* $M_↗$		21:16	13:01	05:22	*37m*	05:59	*35m*	06:35	*32m*	07:08	*12h 10m*	19:18	*32m*	19:51	*35m*	20:26	*37m*	21:03	*11h 50m*	*8h 20m*				So, 22. Sep
Mo, 23. Sep	MESZ	21:01 – 21:59	*57m*	AN_+ *bis* $M_↗$		21:59	14:20	05:24	*37m*	06:01	*35m*	06:36	*32m*	07:09	*12h 07m*	19:16	*32m*	19:49	*35m*	20:24	*37m*	21:01	*11h 54m*	*8h 24m*				Mo, 23. Sep
Di, 24. Sep	MESZ	20:59 – 22:53	*1h 54m*	AN_+ *bis* $M_↗$	◑	22:53	15:28	05:25	*37m*	06:02	*35m*	06:38	*32m*	07:10	*12h 03m*	19:14	*32m*	19:47	*35m*	20:22	*36m*	20:59	*11h 57m*	*8h 27m*				Di, 24. Sep
Mi, 25. Sep	MESZ	20:57 – 23:58	*3h 01m*	AN_+ *bis* $M_↗$		23:58	16:21	05:27	*37m*	06:04	*35m*	06:39	*32m*	07:12	*12h 00m*	19:12	*32m*	19:45	*35m*	20:20	*36m*	20:57	*12h 01m*	*8h 31m*				Mi, 25. Sep
Do, 26. Sep	MESZ	20:54 – 01:09*	*4h 14m*	AN_+ *bis* $M_↗$		—:—	17:01	05:28	*36m*	06:05	*35m*	06:40	*32m*	07:13	*11h 56m*	19:10	*32m*	19:42	*35m*	20:18	*36m*	20:54	*12h 04m*	*8h 35m*				Do, 26. Sep
Fr, 27. Sep	MESZ	20:52 – 02:21*	*5h 28m*	AN_+ *bis* $M_↗$		01:09	17:29	05:30	*36m*	06:07	*35m*	06:42	*32m*	07:14	*11h 53m*	19:08	*32m*	19:40	*35m*	20:16	*36m*	20:52	*12h 07m*	*8h 39m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:50 – 03:32*	*6h 41m*	AN_+ *bis* $M_↗$		02:21	17:51	05:31	*36m*	06:08	*35m*	06:43	*32m*	07:16	*11h 50m*	19:06	*32m*	19:38	*35m*	20:13	*36m*	20:50	*12h 11m*	*8h 42m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:48 – 04:40*	*7h 52m*	AN_+ *bis* $M_↗$		03:32	18:09	05:33	*36m*	06:09	*35m*	06:45	*32m*	07:17	*11h 46m*	19:04	*32m*	19:36	*35m*	20:11	*36m*	20:48	*12h 14m*	*8h 46m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:46 – 05:36*	*8h 50m*	AN_+ *bis* AN_-		04:40	18:23	05:34	*36m*	06:11	*35m*	06:46	*32m*	07:19	*11h 43m*	19:02	*32m*	19:34	*35m*	20:09	*36m*	20:46	*12h 18m*	*8h 50m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:44 – 05:37*	*8h 53m*	AN_+ *bis* AN_-		05:47	18:36	05:36	*36m*	06:12	*35m*	06:47	*32m*	07:20	*11h 39m*	19:00	*32m*	19:32	*34m*	20:07	*36m*	20:44	*12h 21m*	*8h 53m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:41 – 05:39*	*8h 57m*	AN_+ *bis* AN_-	●	06:52	18:49	05:37	*36m*	06:14	*35m*	06:49	*32m*	07:21	*11h 36m*	18:58	*32m*	19:30	*34m*	20:05	*36m*	20:41	*12h 24m*	*8h 57m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:39 – 05:40*	*9h 00m*	AN_+ *bis* AN_-		07:57	19:03	05:39	*36m*	06:15	*35m*	06:50	*32m*	07:23	*11h 33m*	18:56	*32m*	19:28	*34m*	20:03	*36m*	20:39	*12h 28m*	*9h 00m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:37 – 05:42*	*9h 04m*	AN_+ *bis* AN_-		09:04	19:18	05:40	*36m*	06:16	*35m*	06:51	*32m*	07:24	*11h 29m*	18:54	*32m*	19:26	*34m*	20:01	*36m*	20:37	*12h 31m*	*9h 04m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:35 – 05:43*	*9h 07m*	AN_+ *bis* AN_-		10:12	19:36	05:42	*36m*	06:18	*34m*	06:53	*32m*	07:25	*11h 26m*	18:52	*32m*	19:24	*34m*	19:59	*35m*	20:35	*12h 35m*	*9h 07m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:33 – 05:45*	*9h 11m*	AN_+ *bis* AN_-		11:22	19:59	05:43	*36m*	06:19	*34m*	06:54	*32m*	07:27	*11h 22m*	18:50	*32m*	19:22	*34m*	19:57	*35m*	20:33	*12h 38m*	*9h 11m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:31 – 05:46*	*9h 14m*	AN_+ *bis* AN_-		12:33	20:29	05:45	*36m*	06:21	*34m*	06:56	*32m*	07:28	*11h 19m*	18:48	*32m*	19:20	*34m*	19:55	*35m*	20:31	*12h 41m*	*9h 14m*				Mo, 7. Okt
Di, 8. Okt	MESZ	21:10 – 05:47*	*8h 37m*	$M_↘$ *bis* AN_-		13:41	21:10	05:46	*35m*	06:22	*34m*	06:57	*32m*	07:30	*11h 16m*	18:46	*32m*	19:19	*34m*	19:53	*35m*	20:29	*12h 45m*	*9h 18m*				Di, 8. Okt
Mi, 9. Okt	MESZ	22:03 – 05:49*	*7h 45m*	$M_↘$ *bis* AN_-		14:41	22:03	05:47	*35m*	06:23	*34m*	06:58	*32m*	07:31	*11h 12m*	18:44	*32m*	19:17	*34m*	19:51	*35m*	20:27	*12h 48m*	*9h 21m*				Mi, 9. Okt
Do, 10. Okt	MESZ	23:10 – 05:50*	*6h 40m*	$M_↘$ *bis* AN_-	◐	15:31	23:10	05:49	*35m*	06:25	*34m*	07:00	*32m*	07:32	*11h 09m*	18:42	*32m*	19:15	*34m*	19:50	*35m*	20:25	*12h 51m*	*9h 25m*				Do, 10. Okt
Fr, 11. Okt	MESZ	00:27* – 05:52*	*5h 24m*	$M_↘$ *bis* AN_-		16:10	—:—	05:50	*35m*	06:26	*34m*	07:01	*32m*	07:34	*11h 06m*	18:40	*32m*	19:13	*34m*	19:48	*35m*	20:23	*12h 55m*	*9h 28m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:50* – 05:53*	*4h 03m*	$M_↘$ *bis* AN_-		16:40	00:27	05:52	*35m*	06:28	*34m*	07:02	*32m*	07:35	*11h 02m*	18:38	*32m*	19:11	*34m*	19:46	*35m*	20:21	*12h 58m*	*9h 31m*				Sa, 12. Okt
So, 13. Okt	MESZ	03:14* – 05:55*	*2h 40m*	$M_↘$ *bis* AN_-		17:04	01:50	05:53	*35m*	06:29	*34m*	07:04	*32m*	07:37	*10h 59m*	18:36	*32m*	19:09	*34m*	19:44	*35m*	20:20	*13h 01m*	*9h 34m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:39* – 05:56*	*1h 17m*	$M_↘$ *bis* AN_-		17:24	03:14	05:55	*35m*	06:30	*34m*	07:05	*32m*	07:38	*10h 56m*	18:34	*32m*	19:07	*34m*	19:42	*35m*	20:18	*13h 05m*	*9h 38m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:42	04:39	05:56	*35m*	06:32	*34m*	07:07	*32m*	07:40	*10h 52m*	18:32	*32m*	19:05	*34m*	19:40	*35m*	20:16	*13h 08m*	*9h 41m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		18:00	06:05	05:57	*35m*	06:33	*34m*	07:08	*33m*	07:41	*10h 49m*	18:31	*32m*	19:04	*34m*	19:39	*35m*	20:14	*13h 11m*	*9h 44m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:19	07:32	05:59	*35m*	06:34	*35m*	07:09	*33m*	07:43	*10h 46m*	18:29	*33m*	19:02	*34m*	19:37	*35m*	20:12	*13h 15m*	*9h 47m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:42	09:01	06:00	*35m*	06:36	*35m*	07:11	*33m*	07:44	*10h 42m*	18:27	*33m*	19:00	*34m*	19:35	*35m*	20:11	*13h 18m*	*9h 50m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		19:12	10:30	06:02	*35m*	06:37	*35m*	07:12	*33m*	07:45	*10h 39m*	18:25	*33m*	18:58	*35m*	19:33	*35m*	20:09	*13h 21m*	*9h 54m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:50	11:57	06:03	*35m*	06:39	*35m*	07:14	*33m*	07:47	*10h 36m*	18:23	*33m*	18:57	*35m*	19:32	*35m*	20:07	*13h 25m*	*9h 57m*				So, 20. Okt
Mo, 21. Okt	MESZ	20:05 – 20:42	*36m*	AN_+ *bis* $M_↗$		20:42	13:13	06:04	*35m*	06:40	*35m*	07:15	*33m*	07:48	*10h 33m*	18:22	*33m*	18:55	*35m*	19:30	*35m*	20:05	*13h 28m*	*10h 00m*				Mo, 21. Okt
Di, 22. Okt	MESZ	20:04 – 21:45	*1h 41m*	AN_+ *bis* $M_↗$		21:45	14:14	06:06	*35m*	06:41	*35m*	07:16	*33m*	07:50	*10h 29m*	18:20	*33m*	18:53	*35m*	19:28	*35m*	20:04	*13h 31m*	*10h 03m*				Di, 22. Okt
Mi, 23. Okt	MESZ	20:02 – 22:56	*2h 53m*	AN_+ *bis* $M_↗$		22:56	15:00	06:07	*35m*	06:43	*35m*	07:18	*33m*	07:51	*10h 26m*	18:18	*33m*	18:51	*35m*	19:27	*35m*	20:02	*13h 34m*	*10h 06m*				Mi, 23. Okt
Do, 24. Okt	MESZ	20:01 – 00:09*	*4h 08m*	AN_+ *bis* $M_↗$	◑	—:—	15:33	06:08	*35m*	06:44	*35m*	07:19	*33m*	07:53	*10h 23m*	18:16	*33m*	18:50	*35m*	19:25	*35m*	20:01	*13h 38m*	*10h 09m*				Do, 24. Okt
Fr, 25. Okt	MESZ	19:59 – 01:21*	*5h 22m*	AN_+ *bis* $M_↗$		00:09	15:57	06:10	*35m*	06:45	*35m*	07:21	*33m*	07:54	*10h 20m*	18:15	*33m*	18:48	*35m*	19:23	*35m*	19:59	*13h 41m*	*10h 12m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	19:57 – 02:31*	*6h 33m*	AN_+ *bis* $M_↗$		01:21	16:15	06:11	*35m*	06:47	*35m*	07:22	*33m*	07:56	*10h 17m*	18:13	*33m*	18:47	*35m*	19:22	*35m*	19:57	*13h 44m*	*10h 15m*				Sa, 26. 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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
So, 27. Okt		18:56 – 02:37*	*7h 41m*	AN$_+$ *bis* M↗		01:31	15:31	05:12	*35m*	05:48	*35m*	06:24	*33m*	06:57	*10h 13m*	17:11	*33m*	17:45	*35m*	18:20	*35m*	18:56	*13h 47m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:54 – 03:43*	*8h 48m*	AN$_+$ *bis* M↗		02:37	15:44	05:14	*35m*	05:49	*35m*	06:25	*33m*	06:59	*10h 10m*	17:10	*33m*	17:43	*35m*	18:19	*35m*	18:54	*13h 50m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:53 – 04:48*	*9h 55m*	AN$_+$ *bis* M↗		03:43	15:57	05:15	*35m*	05:51	*35m*	06:26	*33m*	07:00	*10h 07m*	17:08	*33m*	17:42	*35m*	18:17	*35m*	18:53	*13h 53m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:51 – 05:18*	*10h 26m*	AN$_+$ *bis* AN$_-$		04:48	16:11	05:17	*35m*	05:52	*35m*	06:28	*34m*	07:02	*10h 04m*	17:06	*34m*	17:40	*35m*	18:16	*35m*	18:51	*13h 57m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:50 – 05:19*	*10h 29m*	AN$_+$ *bis* AN$_-$		05:54	16:25	05:18	*35m*	05:54	*35m*	06:29	*34m*	07:03	*10h 01m*	17:05	*34m*	17:39	*35m*	18:14	*35m*	18:50	*14h 00m*	*10h 29m*				Do, 31. Okt
Fr, 1. Nov		18:49 – 05:21*	*10h 31m*	AN$_+$ *bis* AN$_-$	●	07:02	16:42	05:19	*35m*	05:55	*35m*	06:31	*34m*	07:05	*9h 58m*	17:03	*34m*	17:37	*35m*	18:13	*35m*	18:49	*14h 03m*	*10h 31m*				Fr, 1. Nov
Sa, 2. Nov		18:47 – 05:22*	*10h 34m*	AN$_+$ *bis* AN$_-$		08:12	17:04	05:21	*35m*	05:56	*35m*	06:32	*34m*	07:06	*9h 55m*	17:02	*34m*	17:36	*35m*	18:12	*35m*	18:47	*14h 06m*	*10h 34m*				Sa, 2. Nov
So, 3. Nov		18:46 – 05:23*	*10h 37m*	AN$_+$ *bis* AN$_-$		09:23	17:32	05:22	*35m*	05:58	*35m*	06:33	*34m*	07:08	*9h 52m*	17:00	*34m*	17:35	*35m*	18:10	*35m*	18:46	*14h 09m*	*10h 37m*				So, 3. Nov
Mo, 4. Nov		18:45 – 05:24*	*10h 39m*	AN$_+$ *bis* AN$_-$		10:32	18:09	05:23	*35m*	05:59	*35m*	06:35	*34m*	07:09	*9h 49m*	16:59	*34m*	17:33	*35m*	18:09	*35m*	18:45	*14h 12m*	*10h 39m*				Mo, 4. Nov
Di, 5. Nov		18:59 – 05:26*	*10h 27m*	M↘ *bis* AN$_-$		11:35	18:59	05:25	*35m*	06:00	*35m*	06:36	*34m*	07:11	*9h 46m*	16:57	*34m*	17:32	*35m*	18:08	*35m*	18:44	*14h 15m*	*10h 42m*				Di, 5. Nov
Mi, 6. Nov		20:01 – 05:27*	*9h 26m*	M↘ *bis* AN$_-$		12:28	20:01	05:26	*35m*	06:02	*35m*	06:38	*34m*	07:12	*9h 43m*	16:56	*34m*	17:31	*35m*	18:06	*35m*	18:42	*14h 18m*	*10h 44m*				Mi, 6. Nov
Do, 7. Nov		21:13 – 05:28*	*8h 14m*	M↘ *bis* AN$_-$		13:10	21:13	05:27	*35m*	06:03	*36m*	06:39	*34m*	07:14	*9h 40m*	16:54	*34m*	17:29	*36m*	18:05	*35m*	18:41	*14h 20m*	*10h 47m*				Do, 7. Nov
Fr, 8. Nov		22:32 – 05:30*	*6h 57m*	M↘ *bis* AN$_-$		13:42	22:32	05:28	*35m*	06:04	*36m*	06:41	*34m*	07:15	*9h 37m*	16:53	*34m*	17:28	*36m*	18:04	*35m*	18:40	*14h 23m*	*10h 49m*				Fr, 8. Nov
Sa, 9. Nov		23:53 – 05:31*	*5h 38m*	M↘ *bis* AN$_-$	◐	14:07	23:53	05:30	*36m*	06:06	*36m*	06:42	*35m*	07:17	*9h 34m*	16:52	*34m*	17:27	*36m*	18:03	*35m*	18:39	*14h 26m*	*10h 52m*				Sa, 9. Nov
So, 10. Nov		01:14* – 05:32*	*4h 18m*	M↘ *bis* AN$_-$		14:27	—:—	05:31	*36m*	06:07	*36m*	06:43	*35m*	07:18	*9h 32m*	16:50	*35m*	17:26	*36m*	18:02	*36m*	18:38	*14h 29m*	*10h 54m*				So, 10. Nov
Mo, 11. Nov		02:36* – 05:34*	*2h 57m*	M↘ *bis* AN$_-$		14:45	01:14	05:32	*36m*	06:08	*36m*	06:45	*35m*	07:20	*9h 29m*	16:49	*35m*	17:24	*36m*	18:01	*36m*	18:37	*14h 32m*	*10h 56m*				Mo, 11. Nov
Di, 12. Nov		03:59* – 05:35*	*1h 35m*	M↘ *bis* AN$_-$		15:02	02:36	05:34	*36m*	06:10	*36m*	06:46	*35m*	07:21	*9h 26m*	16:48	*35m*	17:23	*36m*	18:00	*36m*	18:36	*14h 34m*	*10h 59m*				Di, 12. Nov
Mi, 13. Nov		05:25* – 05:36*	*11m*	M↘ *bis* AN$_-$		15:20	03:59	05:35	*36m*	06:11	*36m*	06:47	*35m*	07:23	*9h 23m*	16:47	*35m*	17:22	*36m*	17:59	*36m*	18:35	*14h 37m*	*11h 01m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:41	05:25	05:36	*36m*	06:12	*36m*	06:49	*35m*	07:24	*9h 21m*	16:46	*35m*	17:21	*36m*	17:58	*36m*	18:34	*14h 40m*	*11h 03m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	16:07	06:54	05:37	*36m*	06:14	*36m*	06:50	*35m*	07:26	*9h 18m*	16:44	*35m*	17:20	*36m*	17:57	*36m*	18:33	*14h 42m*	*11h 05m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:41	08:23	05:39	*36m*	06:15	*36m*	06:52	*35m*	07:27	*9h 16m*	16:43	*35m*	17:19	*36m*	17:56	*36m*	18:32	*14h 45m*	*11h 07m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		17:27	09:46	05:40	*36m*	06:16	*36m*	06:53	*35m*	07:29	*9h 13m*	16:42	*35m*	17:18	*36m*	17:55	*36m*	18:31	*14h 47m*	*11h 09m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		18:26	10:57	05:41	*36m*	06:17	*36m*	06:54	*35m*	07:30	*9h 11m*	16:41	*35m*	17:17	*36m*	17:54	*36m*	18:30	*14h 50m*	*11h 11m*				Mo, 18. Nov
Di, 19. Nov		18:30 – 19:36	*1h 06m*	AN$_+$ *bis* M↗		19:36	11:51	05:42	*36m*	06:19	*36m*	06:56	*36m*	07:32	*9h 08m*	16:40	*36m*	17:16	*36m*	17:53	*36m*	18:30	*14h 52m*	*11h 13m*				Di, 19. Nov
Mi, 20. Nov		18:29 – 20:51	*2h 22m*	AN$_+$ *bis* M↗		20:51	12:31	05:43	*36m*	06:20	*37m*	06:57	*36m*	07:33	*9h 06m*	16:39	*36m*	17:16	*36m*	17:53	*36m*	18:29	*14h 55m*	*11h 15m*				Mi, 20. Nov
Do, 21. Nov		18:28 – 22:06	*3h 37m*	AN$_+$ *bis* M↗		22:06	12:59	05:45	*36m*	06:21	*37m*	06:58	*36m*	07:35	*9h 03m*	16:38	*36m*	17:15	*37m*	17:52	*36m*	18:28	*14h 57m*	*11h 17m*				Do, 21. Nov
Fr, 22. Nov		18:28 – 23:18	*4h 49m*	AN$_+$ *bis* M↗		23:18	13:20	05:46	*36m*	06:22	*37m*	07:00	*36m*	07:36	*9h 01m*	16:38	*36m*	17:14	*37m*	17:51	*36m*	18:28	*14h 59m*	*11h 19m*				Fr, 22. Nov
Sa, 23. Nov		18:27 – 00:26*	*5h 59m*	AN$_+$ *bis* M↗	◑	—:—	13:37	05:47	*36m*	06:24	*37m*	07:01	*36m*	07:37	*8h 59m*	16:37	*36m*	17:13	*37m*	17:50	*36m*	18:27	*15h 01m*	*11h 20m*				Sa, 23. Nov
So, 24. Nov		18:27 – 01:32*	*7h 05m*	AN$_+$ *bis* M↗		00:26	13:51	05:48	*36m*	06:25	*37m*	07:02	*36m*	07:39	*8h 57m*	16:36	*36m*	17:13	*37m*	17:50	*36m*	18:27	*15h 04m*	*11h 22m*				So, 24. Nov
Mo, 25. Nov		18:26 – 02:37*	*8h 11m*	AN$_+$ *bis* M↗		01:32	14:04	05:49	*36m*	06:26	*37m*	07:03	*36m*	07:40	*8h 55m*	16:35	*36m*	17:12	*37m*	17:49	*36m*	18:26	*15h 06m*	*11h 24m*				Mo, 25. Nov
Di, 26. Nov		18:26 – 03:43*	*9h 17m*	AN$_+$ *bis* M↗		02:37	14:18	05:50	*36m*	06:27	*37m*	07:05	*36m*	07:41	*8h 53m*	16:35	*36m*	17:11	*37m*	17:49	*36m*	18:26	*15h 08m*	*11h 25m*				Di, 26. Nov
Mi, 27. Nov		18:25 – 04:50*	*10h 25m*	AN$_+$ *bis* M↗		03:43	14:32	05:51	*36m*	06:28	*37m*	07:06	*36m*	07:43	*8h 51m*	16:34	*36m*	17:11	*37m*	17:48	*36m*	18:25	*15h 10m*	*11h 27m*				Mi, 27. Nov
Do, 28. Nov		18:25 – 05:54*	*11h 28m*	AN$_+$ *bis* AN$_-$		04:50	14:48	05:53	*36m*	06:29	*37m*	07:07	*36m*	07:44	*8h 49m*	16:33	*36m*	17:10	*37m*	17:48	*36m*	18:25	*15h 11m*	*11h 28m*				Do, 28. Nov
Fr, 29. Nov		18:24 – 05:55*	*11h 30m*	AN$_+$ *bis* AN$_-$		06:00	15:08	05:54	*36m*	06:31	*37m*	07:08	*37m*	07:45	*8h 47m*	16:33	*37m*	17:10	*37m*	17:48	*36m*	18:24	*15h 13m*	*11h 30m*				Fr, 29. Nov
Sa, 30. Nov		18:24 – 05:56*	*11h 31m*	AN$_+$ *bis* AN$_-$		07:11	15:34	05:55	*36m*	06:32	*37m*	07:09	*37m*	07:47	*8h 45m*	16:32	*37m*	17:09	*37m*	17:47	*36m*	18:24	*15h 15m*	*11h 31m*				Sa, 30. Nov
So, 1. Dez		18:24 – 05:57*	*11h 32m*	AN$_+$ *bis* AN$_-$	●	08:21	16:08	05:56	*37m*	06:33	*37m*	07:11	*37m*	07:48	*8h 44m*	16:32	*37m*	17:09	*37m*	17:47	*37m*	18:24	*15h 17m*	*11h 32m*				So, 1. Dez
Mo, 2. Dez		18:24 – 05:58*	*11h 34m*	AN$_+$ *bis* AN$_-$		09:28	16:55	05:57	*37m*	06:34	*37m*	07:12	*37m*	07:49	*8h 42m*	16:31	*37m*	17:09	*37m*	17:47	*37m*	18:24	*15h 18m*	*11h 34m*				Mo, 2. Dez
Di, 3. Dez		18:23 – 05:59*	*11h 35m*	AN$_+$ *bis* AN$_-$		10:24	17:54	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:50	*8h 40m*	16:31	*37m*	17:08	*37m*	17:46	*37m*	18:23	*15h 20m*	*11h 35m*				Di, 3. Dez
Mi, 4. Dez		19:05 – 06:00*	*10h 55m*	M↘ *bis* AN$_-$		11:10	19:05	05:59	*37m*	06:36	*37m*	07:14	*37m*	07:51	*8h 39m*	16:31	*37m*	17:08	*37m*	17:46	*37m*	18:23	*15h 21m*	*11h 36m*				Mi, 4. Dez
Do, 5. Dez		20:22 – 06:01*	*9h 38m*	M↘ *bis* AN$_-$		11:44	20:22	06:00	*37m*	06:37	*38m*	07:15	*37m*	07:52	*8h 37m*	16:30	*37m*	17:08	*37m*	17:46	*37m*	18:23	*15h 23m*	*11h 37m*				Do, 5. Dez
Fr, 6. Dez		21:41 – 06:02*	*8h 20m*	M↘ *bis* AN$_-$		12:11	21:41	06:01	*37m*	06:38	*38m*	07:16	*37m*	07:54	*8h 36m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 24m*	*11h 38m*				Fr, 6. Dez
Sa, 7. Dez		23:01 – 06:02*	*7h 01m*	M↘ *bis* AN$_-$		12:32	23:01	06:02	*37m*	06:39	*38m*	07:17	*37m*	07:55	*8h 35m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 25m*	*11h 39m*				Sa, 7. Dez
So, 8. Dez		00:20* – 06:03*	*5h 43m*	M↘ *bis* AN$_-$	◐	12:50	—:—	06:02	*37m*	06:40	*38m*	07:18	*37m*	07:56	*8h 34m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 26m*	*11h 40m*				So, 8. Dez
Mo, 9. Dez		01:39* – 06:04*	*4h 25m*	M↘ *bis* AN$_-$		13:07	00:20	06:03	*37m*	06:41	*38m*	07:19	*37m*	07:57	*8h 33m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 27m*	*11h 41m*				Mo, 9. Dez
Di, 10. Dez		03:01* – 06:05*	*3h 04m*	M↘ *bis* AN$_-$		13:24	01:39	06:04	*37m*	06:41	*38m*	07:20	*37m*	07:58	*8h 32m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 28m*	*11h 41m*				Di, 10. Dez
Mi, 11. Dez		04:25* – 06:06*	*1h 40m*	M↘ *bis* AN$_-$		13:42	03:01	06:05	*37m*	06:42	*38m*	07:21	*37m*	07:59	*8h 31m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 29m*	*11h 42m*				Mi, 11. Dez
Do, 12. Dez		05:51* – 06:06*	*15m*	M↘ *bis* AN$_-$		14:05	04:25	06:06	*37m*	06:43	*38m*	07:21	*37m*	07:59	*8h 30m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:23	*15h 30m*	*11h 43m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:34	05:51	06:06	*37m*	06:44	*38m*	07:22	*38m*	08:00	*8h 29m*	16:30	*38m*	17:08	*38m*	17:46	*37m*	18:24	*15h 31m*	*11h 43m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		15:13	07:17	06:07	*37m*	06:45	*38m*	07:23	*38m*	08:01	*8h 28m*	16:30	*38m*	17:08	*38m*	17:46	*37m*	18:24	*15h 31m*	*11h 44m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	16:06	08:34	06:08	*37m*	06:45	*38m*	07:24	*38m*	08:02	*8h 28m*	16:30	*38m*	17:08	*38m*	17:47	*37m*	18:24	*15h 32m*	*11h 44m*				So, 15. 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
2024/25	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024/25
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mo, 16. Dez		—:——:—	–	Mond stört		17:13	09:37	06:09	*37m*	06:46	*38m*	07:24	*38m*	08:03	*8h 27m*	16:31	*38m*	17:09	*38m*	17:47	*37m*	18:24	*15h 32m*	*11h 44m*				Mo, 16. Dez
Di, 17. Dez		18:25 – 18:27	*2m*	AN_+ *bis* $M_↗$		18:27	10:23	06:09	*37m*	06:47	*38m*	07:25	*38m*	08:03	*8h 27m*	16:31	*38m*	17:09	*38m*	17:47	*37m*	18:25	*15h 33m*	*11h 45m*				Di, 17. Dez
Mi, 18. Dez		18:25 – 19:45	*1h 19m*	AN_+ *bis* $M_↗$		19:45	10:57	06:10	*37m*	06:47	*38m*	07:26	*38m*	08:04	*8h 27m*	16:31	*38m*	17:09	*38m*	17:48	*37m*	18:25	*15h 33m*	*11h 45m*				Mi, 18. Dez
Do, 19. Dez		18:26 – 20:59	*2h 33m*	AN_+ *bis* $M_↗$		20:59	11:22	06:10	*37m*	06:48	*38m*	07:26	*38m*	08:05	*8h 27m*	16:32	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 33m*	*11h 45m*				Do, 19. Dez
Fr, 20. Dez		18:26 – 22:11	*3h 44m*	AN_+ *bis* $M_↗$		22:11	11:40	06:11	*37m*	06:48	*38m*	07:27	*38m*	08:05	*8h 26m*	16:32	*38m*	17:10	*38m*	17:49	*37m*	18:26	*15h 33m*	*11h 45m*				Fr, 20. Dez
Sa, 21. Dez		18:27 – 23:18	*4h 51m*	AN_+ *bis* $M_↗$		23:18	11:56	06:12	*37m*	06:49	*38m*	07:27	*38m*	08:06	*8h 26m*	16:32	*38m*	17:11	*38m*	17:49	*37m*	18:27	*15h 33m*	*11h 45m*				Sa, 21. Dez
So, 22. Dez		18:27 – 00:24*	*5h 57m*	AN_+ *bis* $M_↗$	◑	—:—	12:10	06:12	*37m*	06:49	*38m*	07:28	*38m*	08:06	*8h 26m*	16:33	*38m*	17:11	*38m*	17:50	*37m*	18:27	*15h 33m*	*11h 45m*				So, 22. Dez
Mo, 23. Dez		18:28 – 01:30*	*7h 02m*	AN_+ *bis* $M_↗$		00:24	12:23	06:12	*37m*	06:50	*38m*	07:28	*38m*	08:07	*8h 27m*	16:34	*38m*	17:12	*38m*	17:50	*37m*	18:28	*15h 33m*	*11h 45m*				Mo, 23. Dez
Di, 24. Dez		18:28 – 02:36*	*8h 07m*	AN_+ *bis* $M_↗$		01:30	12:37	06:13	*37m*	06:50	*38m*	07:29	*38m*	08:07	*8h 27m*	16:34	*38m*	17:12	*38m*	17:51	*37m*	18:28	*15h 33m*	*11h 45m*				Di, 24. Dez
Mi, 25. Dez		18:29 – 03:44*	*9h 15m*	AN_+ *bis* $M_↗$		02:36	12:52	06:13	*37m*	06:51	*38m*	07:29	*38m*	08:07	*8h 27m*	16:35	*38m*	17:13	*38m*	17:51	*37m*	18:29	*15h 32m*	*11h 44m*				Mi, 25. Dez
Do, 26. Dez		18:30 – 04:55*	*10h 25m*	AN_+ *bis* $M_↗$		03:44	13:11	06:14	*37m*	06:51	*38m*	07:29	*38m*	08:08	*8h 28m*	16:36	*38m*	17:14	*38m*	17:52	*37m*	18:30	*15h 32m*	*11h 44m*				Do, 26. Dez
Fr, 27. Dez		18:30 – 06:06*	*11h 35m*	AN_+ *bis* $M_↗$		04:55	13:34	06:14	*37m*	06:51	*38m*	07:30	*38m*	08:08	*8h 28m*	16:36	*38m*	17:14	*38m*	17:53	*37m*	18:30	*15h 31m*	*11h 43m*				Fr, 27. Dez
Sa, 28. Dez		18:31 – 06:14*	*11h 43m*	AN_+ *bis* AN_-		06:06	14:05	06:14	*37m*	06:52	*38m*	07:30	*38m*	08:08	*8h 29m*	16:37	*38m*	17:15	*38m*	17:54	*37m*	18:31	*15h 31m*	*11h 43m*				Sa, 28. Dez
So, 29. Dez		18:32 – 06:15*	*11h 42m*	AN_+ *bis* AN_-		07:15	14:47	06:14	*37m*	06:52	*38m*	07:30	*38m*	08:08	*8h 29m*	16:38	*38m*	17:16	*38m*	17:54	*37m*	18:32	*15h 30m*	*11h 42m*				So, 29. Dez
Mo, 30. Dez		18:32 – 06:15*	*11h 42m*	AN_+ *bis* AN_-	●	08:16	15:43	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 30m*	16:39	*37m*	17:17	*38m*	17:55	*37m*	18:32	*15h 29m*	*11h 42m*				Mo, 30. Dez
Di, 31. Dez		18:33 – 06:15*	*11h 41m*	AN_+ *bis* AN_-		09:06	16:51	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 31m*	16:40	*37m*	17:18	*38m*	17:56	*37m*	18:33	*15h 28m*	*11h 41m*				Di, 31. Dez
Mi, 1. Jan		18:34 – 06:15*	*11h 40m*	AN_+ *bis* AN_-		09:45	18:08	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 32m*	16:41	*37m*	17:19	*38m*	17:57	*37m*	18:34	*15h 27m*	*11h 40m*				Mi, 1. Jan
Do, 2. Jan		19:29 – 06:15*	*10h 45m*	$M_↘$ *bis* AN_-		10:14	19:29	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 33m*	16:42	*37m*	17:20	*38m*	17:58	*37m*	18:35	*15h 26m*	*11h 40m*				Do, 2. Jan
Fr, 3. Jan		20:50 – 06:15*	*9h 25m*	$M_↘$ *bis* AN_-		10:37	20:50	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 34m*	16:43	*37m*	17:20	*38m*	17:59	*37m*	18:36	*15h 25m*	*11h 39m*				Fr, 3. Jan
Sa, 4. Jan		22:09 – 06:15*	*8h 05m*	$M_↘$ *bis* AN_-		10:56	22:09	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 35m*	16:44	*37m*	17:21	*38m*	18:00	*37m*	18:37	*15h 24m*	*11h 38m*				Sa, 4. Jan
So, 5. Jan		23:28 – 06:15*	*6h 46m*	$M_↘$ *bis* AN_-		11:13	23:28	06:15	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 36m*	16:45	*37m*	17:22	*38m*	18:01	*37m*	18:38	*15h 22m*	*11h 37m*				So, 5. Jan
Mo, 6. Jan		00:48* – 06:15*	*5h 26m*	$M_↘$ *bis* AN_-		11:30	—:—	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:08	*8h 38m*	16:46	*37m*	17:24	*37m*	18:02	*37m*	18:39	*15h 21m*	*11h 36m*				Mo, 6. Jan
Di, 7. Jan		02:09* – 06:15*	*4h 05m*	$M_↘$ *bis* AN_-	◐	11:47	00:48	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:07	*8h 39m*	16:47	*37m*	17:25	*37m*	18:03	*37m*	18:40	*15h 19m*	*11h 35m*				Di, 7. Jan
Mi, 8. Jan		03:33* – 06:15*	*2h 41m*	$M_↘$ *bis* AN_-		12:07	02:09	06:15	*37m*	06:52	*37m*	07:30	*37m*	08:07	*8h 41m*	16:48	*37m*	17:26	*37m*	18:04	*37m*	18:41	*15h 18m*	*11h 33m*				Mi, 8. Jan
Do, 9. Jan		04:56* – 06:14*	*1h 18m*	$M_↘$ *bis* AN_-		12:33	03:33	06:15	*37m*	06:52	*37m*	07:29	*37m*	08:07	*8h 42m*	16:50	*37m*	17:27	*37m*	18:05	*37m*	18:42	*15h 16m*	*11h 32m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		13:07	04:56	06:14	*36m*	06:51	*37m*	07:29	*37m*	08:06	*8h 44m*	16:51	*37m*	17:28	*37m*	18:06	*37m*	18:43	*15h 15m*	*11h 31m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:53	06:15	06:14	*36m*	06:51	*37m*	07:29	*37m*	08:06	*8h 46m*	16:52	*37m*	17:29	*37m*	18:07	*36m*	18:44	*15h 13m*	*11h 29m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:53	07:23	06:14	*36m*	06:51	*37m*	07:28	*37m*	08:05	*8h 47m*	16:53	*37m*	17:30	*37m*	18:08	*36m*	18:45	*15h 11m*	*11h 28m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	16:04	08:15	06:13	*36m*	06:50	*37m*	07:28	*36m*	08:05	*8h 49m*	16:55	*36m*	17:32	*37m*	18:09	*36m*	18:46	*15h 09m*	*11h 27m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		17:21	08:54	06:13	*36m*	06:50	*37m*	07:27	*36m*	08:04	*8h 51m*	16:56	*36m*	17:33	*37m*	18:10	*36m*	18:47	*15h 07m*	*11h 25m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:38	09:22	06:13	*36m*	06:49	*37m*	07:27	*36m*	08:04	*8h 53m*	16:57	*36m*	17:34	*37m*	18:11	*36m*	18:48	*15h 05m*	*11h 23m*				Mi, 15. Jan
Do, 16. Jan		18:49 – 19:51	*1h 01m*	AN_+ *bis* $M_↗$		19:51	09:43	06:12	*36m*	06:49	*37m*	07:26	*36m*	08:03	*8h 55m*	16:59	*36m*	17:35	*37m*	18:13	*36m*	18:49	*15h 03m*	*11h 22m*				Do, 16. Jan
Fr, 17. Jan		18:51 – 21:02	*2h 10m*	AN_+ *bis* $M_↗$		21:02	10:00	06:12	*36m*	06:48	*37m*	07:26	*36m*	08:02	*8h 57m*	17:00	*36m*	17:37	*37m*	18:14	*36m*	18:51	*15h 01m*	*11h 20m*				Fr, 17. Jan
Sa, 18. Jan		18:52 – 22:09	*3h 17m*	AN_+ *bis* $M_↗$		22:09	10:15	06:11	*36m*	06:48	*37m*	07:25	*36m*	08:01	*9h 00m*	17:01	*36m*	17:38	*37m*	18:15	*36m*	18:52	*14h 59m*	*11h 18m*				Sa, 18. Jan
So, 19. Jan		18:53 – 23:15	*4h 22m*	AN_+ *bis* $M_↗$		23:15	10:28	06:11	*36m*	06:47	*37m*	07:24	*36m*	08:01	*9h 02m*	17:03	*36m*	17:39	*37m*	18:16	*36m*	18:53	*14h 56m*	*11h 16m*				So, 19. Jan
Mo, 20. Jan		18:54 – 00:21*	*5h 27m*	AN_+ *bis* $M_↗$		—:—	10:42	06:10	*36m*	06:46	*37m*	07:23	*36m*	08:00	*9h 04m*	17:04	*36m*	17:41	*37m*	18:18	*36m*	18:54	*14h 54m*	*11h 15m*				Mo, 20. Jan
Di, 21. Jan		18:55 – 01:29*	*6h 33m*	AN_+ *bis* $M_↗$	◑	00:21	10:56	06:09	*36m*	06:46	*36m*	07:23	*36m*	07:59	*9h 06m*	17:06	*36m*	17:42	*36m*	18:19	*36m*	18:55	*14h 52m*	*11h 13m*				Di, 21. Jan
Mi, 22. Jan		18:57 – 02:38*	*7h 41m*	AN_+ *bis* $M_↗$		01:29	11:13	06:09	*36m*	06:45	*36m*	07:22	*36m*	07:58	*9h 09m*	17:07	*36m*	17:43	*36m*	18:20	*36m*	18:57	*14h 49m*	*11h 11m*				Mi, 22. Jan
Do, 23. Jan		18:58 – 03:48*	*8h 50m*	AN_+ *bis* $M_↗$		02:38	11:34	06:08	*36m*	06:44	*36m*	07:21	*35m*	07:57	*9h 11m*	17:09	*35m*	17:45	*36m*	18:22	*36m*	18:58	*14h 47m*	*11h 09m*				Do, 23. Jan
Fr, 24. Jan		18:59 – 04:58*	*9h 58m*	AN_+ *bis* $M_↗$		03:48	12:01	06:07	*36m*	06:43	*36m*	07:20	*35m*	07:56	*9h 14m*	17:10	*35m*	17:46	*36m*	18:23	*36m*	18:59	*14h 44m*	*11h 07m*				Fr, 24. Jan
Sa, 25. Jan		19:01 – 06:02*	*11h 01m*	AN_+ *bis* $M_↗$		04:58	12:38	06:06	*36m*	06:43	*36m*	07:19	*35m*	07:55	*9h 16m*	17:12	*35m*	17:48	*36m*	18:24	*36m*	19:01	*14h 42m*	*11h 04m*				Sa, 25. Jan
So, 26. Jan		19:02 – 06:05*	*11h 02m*	AN_+ *bis* AN_-		06:02	13:27	06:05	*36m*	06:42	*36m*	07:18	*35m*	07:54	*9h 19m*	17:13	*35m*	17:49	*36m*	18:26	*36m*	19:02	*14h 39m*	*11h 02m*				So, 26. Jan
Mo, 27. Jan		19:03 – 06:04*	*11h 00m*	AN_+ *bis* AN_-		06:58	14:31	06:05	*36m*	06:41	*36m*	07:17	*35m*	07:53	*9h 22m*	17:15	*35m*	17:50	*36m*	18:27	*36m*	19:03	*14h 36m*	*11h 00m*				Mo, 27. Jan
Di, 28. Jan		19:04 – 06:03*	*10h 58m*	AN_+ *bis* AN_-		07:41	15:46	06:04	*36m*	06:40	*36m*	07:16	*35m*	07:52	*9h 24m*	17:16	*35m*	17:52	*36m*	18:28	*36m*	19:04	*14h 33m*	*10h 58m*				Di, 28. Jan
Mi, 29. Jan		19:06 – 06:02*	*10h 55m*	AN_+ *bis* AN_-	●	08:15	17:07	06:03	*36m*	06:39	*36m*	07:15	*35m*	07:50	*9h 27m*	17:18	*35m*	17:53	*36m*	18:30	*36m*	19:06	*14h 31m*	*10h 55m*				Mi, 29. Jan
Do, 30. Jan		19:07 – 06:01*	*10h 53m*	AN_+ *bis* AN_-		08:40	18:31	06:02	*36m*	06:38	*36m*	07:14	*35m*	07:49	*9h 30m*	17:20	*35m*	17:55	*36m*	18:31	*36m*	19:07	*14h 28m*	*10h 53m*				Do, 30. Jan
Fr, 31. Jan		19:53 – 06:00*	*10h 06m*	$M_↘$ *bis* AN_-		09:01	19:53	06:01	*36m*	06:37	*36m*	07:13	*35m*	07:48	*9h 33m*	17:21	*35m*	17:56	*36m*	18:32	*36m*	19:08	*14h 25m*	*10h 51m*				Fr, 31. Jan
Sa, 1. Feb		21:15 – 05:59*	*8h 43m*	$M_↘$ *bis* AN_-		09:19	21:15	06:00	*35m*	06:36	*36m*	07:12	*34m*	07:47	*9h 35m*	17:23	*34m*	17:58	*36m*	18:34	*36m*	19:10	*14h 22m*	*10h 48m*				Sa, 1. Feb
So, 2. Feb		22:36 – 05:57*	*7h 21m*	$M_↘$ *bis* AN_-		09:36	22:36	05:59	*35m*	06:34	*36m*	07:10	*34m*	07:45	*9h 38m*	17:24	*34m*	17:59	*36m*	18:35	*35m*	19:11	*14h 19m*	*10h 46m*				So, 2. Feb
Mo, 3. Feb		23:58 – 05:56*	*5h 58m*	$M_↘$ *bis* AN_-		09:53	23:58	05:57	*35m*	06:33	*35m*	07:09	*34m*	07:44	*9h 41m*	17:26	*34m*	18:01	*36m*	18:37	*35m*	19:12	*14h 16m*	*10h 43m*				Mo, 3. Feb