Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Tuttlingen 47.9844° N 8.8186° 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		18:36 – 22:19	*3h 43m*	AN_+ *bis* $M_↗$		22:19	11:24	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 28m*	16:42	*38m*	17:20	*38m*	17:59	*37m*	18:36	*15h 31m*	*11h 42m*				Mo, 1. Jan
Di, 2. Jan		18:37 – 23:25	*4h 48m*	AN_+ *bis* $M_↗$		23:25	11:38	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 29m*	16:43	*38m*	17:21	*38m*	17:59	*37m*	18:37	*15h 30m*	*11h 42m*				Di, 2. Jan
Mi, 3. Jan		18:38 – 00:31*	*5h 53m*	AN_+ *bis* $M_↗$		—:—	11:51	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 30m*	16:44	*38m*	17:22	*38m*	18:00	*37m*	18:38	*15h 29m*	*11h 41m*				Mi, 3. Jan
Do, 4. Jan		18:39 – 01:39*	*7h 00m*	AN_+ *bis* $M_↗$	◑	00:31	12:05	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 31m*	16:45	*38m*	17:23	*38m*	18:01	*37m*	18:39	*15h 28m*	*11h 40m*				Do, 4. Jan
Fr, 5. Jan		18:40 – 02:50*	*8h 09m*	AN_+ *bis* $M_↗$		01:39	12:19	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 32m*	16:46	*38m*	17:24	*38m*	18:02	*37m*	18:40	*15h 27m*	*11h 39m*				Fr, 5. Jan
Sa, 6. Jan		18:41 – 04:04*	*9h 23m*	AN_+ *bis* $M_↗$		02:50	12:37	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 33m*	16:47	*38m*	17:25	*38m*	18:03	*37m*	18:41	*15h 25m*	*11h 38m*				Sa, 6. Jan
So, 7. Jan		18:42 – 05:22*	*10h 39m*	AN_+ *bis* $M_↗$		04:04	13:00	06:19	*37m*	06:57	*38m*	07:35	*37m*	08:13	*8h 35m*	16:48	*37m*	17:26	*38m*	18:04	*37m*	18:42	*15h 24m*	*11h 37m*				So, 7. Jan
Mo, 8. Jan		18:43 – 06:19*	*11h 36m*	AN_+ *bis* AN_-		05:22	13:31	06:19	*37m*	06:56	*38m*	07:35	*37m*	08:13	*8h 36m*	16:49	*37m*	17:27	*38m*	18:05	*37m*	18:43	*15h 23m*	*11h 36m*				Mo, 8. Jan
Di, 9. Jan		18:44 – 06:19*	*11h 34m*	AN_+ *bis* AN_-		06:38	14:14	06:19	*37m*	06:56	*38m*	07:34	*37m*	08:12	*8h 38m*	16:50	*37m*	17:28	*38m*	18:06	*37m*	18:44	*15h 21m*	*11h 34m*				Di, 9. Jan
Mi, 10. Jan		18:45 – 06:18*	*11h 33m*	AN_+ *bis* AN_-		07:48	15:14	06:19	*37m*	06:56	*38m*	07:34	*37m*	08:12	*8h 39m*	16:52	*37m*	17:29	*38m*	18:07	*37m*	18:45	*15h 19m*	*11h 33m*				Mi, 10. Jan
Do, 11. Jan		18:46 – 06:18*	*11h 32m*	AN_+ *bis* AN_-	●	08:44	16:30	06:18	*37m*	06:56	*38m*	07:34	*37m*	08:11	*8h 41m*	16:53	*37m*	17:30	*38m*	18:09	*37m*	18:46	*15h 17m*	*11h 32m*				Do, 11. Jan
Fr, 12. Jan		18:47 – 06:18*	*11h 30m*	AN_+ *bis* AN_-		09:27	17:56	06:18	*37m*	06:55	*38m*	07:33	*37m*	08:11	*8h 43m*	16:54	*37m*	17:32	*38m*	18:10	*37m*	18:47	*15h 16m*	*11h 30m*				Fr, 12. Jan
Sa, 13. Jan		19:24 – 06:17*	*10h 53m*	$M_↘$ *bis* AN_-		09:58	19:24	06:18	*37m*	06:55	*37m*	07:33	*37m*	08:10	*8h 45m*	16:55	*37m*	17:33	*37m*	18:11	*37m*	18:48	*15h 14m*	*11h 29m*				Sa, 13. Jan
So, 14. Jan		20:51 – 06:17*	*9h 25m*	$M_↘$ *bis* AN_-		10:21	20:51	06:17	*37m*	06:55	*37m*	07:32	*37m*	08:10	*8h 47m*	16:57	*37m*	17:34	*37m*	18:12	*37m*	18:49	*15h 12m*	*11h 27m*				So, 14. Jan
Mo, 15. Jan		22:15 – 06:17*	*8h 01m*	$M_↘$ *bis* AN_-		10:40	22:15	06:17	*37m*	06:54	*37m*	07:32	*37m*	08:09	*8h 49m*	16:58	*37m*	17:35	*37m*	18:13	*37m*	18:50	*15h 10m*	*11h 26m*				Mo, 15. Jan
Di, 16. Jan		23:36 – 06:16*	*6h 40m*	$M_↘$ *bis* AN_-		10:57	23:36	06:17	*37m*	06:54	*37m*	07:31	*37m*	08:08	*8h 51m*	17:00	*37m*	17:37	*37m*	18:14	*37m*	18:52	*15h 08m*	*11h 24m*				Di, 16. Jan
Mi, 17. Jan		00:55* – 06:15*	*5h 20m*	$M_↘$ *bis* AN_-		11:14	—:—	06:16	*37m*	06:53	*37m*	07:31	*37m*	08:08	*8h 53m*	17:01	*37m*	17:38	*37m*	18:16	*37m*	18:53	*15h 06m*	*11h 22m*				Mi, 17. Jan
Do, 18. Jan		02:15* – 06:15*	*4h 00m*	$M_↘$ *bis* AN_-	◐	11:32	00:55	06:15	*36m*	06:52	*37m*	07:30	*36m*	08:07	*8h 55m*	17:02	*36m*	17:39	*37m*	18:17	*36m*	18:54	*15h 03m*	*11h 21m*				Do, 18. Jan
Fr, 19. Jan		03:34* – 06:14*	*2h 40m*	$M_↘$ *bis* AN_-		11:52	02:15	06:15	*36m*	06:52	*37m*	07:29	*36m*	08:06	*8h 57m*	17:04	*36m*	17:41	*37m*	18:18	*36m*	18:55	*15h 01m*	*11h 19m*				Fr, 19. Jan
Sa, 20. Jan		04:50* – 06:14*	*1h 23m*	$M_↘$ *bis* AN_-		12:18	03:34	06:14	*36m*	06:51	*37m*	07:29	*36m*	08:05	*8h 59m*	17:05	*36m*	17:42	*37m*	18:19	*36m*	18:56	*14h 59m*	*11h 17m*				Sa, 20. Jan
So, 21. Jan		06:01* – 06:13*	*12m*	$M_↘$ *bis* AN_-		12:50	04:50	06:14	*36m*	06:51	*37m*	07:28	*36m*	08:04	*9h 02m*	17:07	*36m*	17:43	*37m*	18:21	*36m*	18:58	*14h 56m*	*11h 15m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:33	06:01	06:13	*36m*	06:50	*37m*	07:27	*36m*	08:04	*9h 04m*	17:08	*36m*	17:45	*37m*	18:22	*36m*	18:59	*14h 54m*	*11h 13m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:27	07:01	06:12	*36m*	06:49	*37m*	07:26	*36m*	08:03	*9h 07m*	17:10	*36m*	17:46	*37m*	18:23	*36m*	19:00	*14h 51m*	*11h 11m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:30	07:49	06:12	*36m*	06:48	*37m*	07:25	*36m*	08:02	*9h 09m*	17:11	*36m*	17:48	*37m*	18:25	*36m*	19:01	*14h 49m*	*11h 09m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:40	08:25	06:11	*36m*	06:47	*37m*	07:24	*36m*	08:01	*9h 12m*	17:13	*36m*	17:49	*37m*	18:26	*36m*	19:03	*14h 46m*	*11h 07m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:50	08:52	06:10	*36m*	06:46	*36m*	07:23	*36m*	07:59	*9h 14m*	17:14	*36m*	17:50	*36m*	18:27	*36m*	19:04	*14h 44m*	*11h 05m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		19:00	09:13	06:09	*36m*	06:46	*36m*	07:22	*35m*	07:58	*9h 17m*	17:16	*35m*	17:52	*36m*	18:29	*36m*	19:05	*14h 41m*	*11h 02m*				Sa, 27. Jan
So, 28. Jan		19:07 – 20:07	*1h 00m*	AN_+ *bis* $M_↗$		20:07	09:29	06:08	*36m*	06:45	*36m*	07:21	*35m*	07:57	*9h 20m*	17:17	*35m*	17:53	*36m*	18:30	*36m*	19:07	*14h 38m*	*11h 00m*				So, 28. Jan
Mo, 29. Jan		19:08 – 21:13	*2h 05m*	AN_+ *bis* $M_↗$		21:13	09:44	06:07	*36m*	06:44	*36m*	07:20	*35m*	07:56	*9h 22m*	17:19	*35m*	17:55	*36m*	18:31	*36m*	19:08	*14h 35m*	*10h 58m*				Mo, 29. Jan
Di, 30. Jan		19:09 – 22:19	*3h 09m*	AN_+ *bis* $M_↗$		22:19	09:57	06:06	*36m*	06:43	*36m*	07:19	*35m*	07:55	*9h 25m*	17:21	*35m*	17:56	*36m*	18:33	*36m*	19:09	*14h 33m*	*10h 55m*				Di, 30. Jan
Mi, 31. Jan		19:11 – 23:25	*4h 14m*	AN_+ *bis* $M_↗$		23:25	10:10	06:05	*36m*	06:42	*36m*	07:18	*35m*	07:54	*9h 28m*	17:22	*35m*	17:58	*36m*	18:34	*36m*	19:11	*14h 30m*	*10h 53m*				Mi, 31. Jan
Do, 1. Feb		19:12 – 00:33*	*5h 21m*	AN_+ *bis* $M_↗$		—:—	10:24	06:04	*36m*	06:40	*36m*	07:17	*35m*	07:52	*9h 31m*	17:24	*35m*	17:59	*36m*	18:36	*36m*	19:12	*14h 27m*	*10h 51m*				Do, 1. Feb
Fr, 2. Feb		19:13 – 01:45*	*6h 31m*	AN_+ *bis* $M_↗$		00:33	10:40	06:03	*36m*	06:39	*36m*	07:16	*35m*	07:51	*9h 34m*	17:25	*35m*	18:01	*36m*	18:37	*36m*	19:13	*14h 24m*	*10h 48m*				Fr, 2. Feb
Sa, 3. Feb		19:15 – 02:59*	*7h 44m*	AN_+ *bis* $M_↗$	◑	01:45	11:00	06:02	*36m*	06:38	*36m*	07:14	*35m*	07:50	*9h 37m*	17:27	*35m*	18:02	*36m*	18:38	*36m*	19:15	*14h 21m*	*10h 46m*				Sa, 3. Feb
So, 4. Feb		19:16 – 04:15*	*8h 58m*	AN_+ *bis* $M_↗$		02:59	11:26	06:01	*36m*	06:37	*36m*	07:13	*35m*	07:48	*9h 40m*	17:28	*35m*	18:04	*36m*	18:40	*36m*	19:16	*14h 18m*	*10h 43m*				So, 4. Feb
Mo, 5. Feb		19:17 – 05:27*	*10h 09m*	AN_+ *bis* $M_↗$		04:15	12:01	06:00	*36m*	06:36	*36m*	07:12	*34m*	07:47	*9h 43m*	17:30	*34m*	18:05	*36m*	18:41	*36m*	19:17	*14h 15m*	*10h 40m*				Mo, 5. Feb
Di, 6. Feb		19:19 – 05:57*	*10h 38m*	AN_+ *bis* AN_-		05:27	12:52	05:58	*36m*	06:34	*36m*	07:11	*34m*	07:45	*9h 46m*	17:32	*34m*	18:07	*36m*	18:43	*36m*	19:19	*14h 12m*	*10h 38m*				Di, 6. Feb
Mi, 7. Feb		19:20 – 05:56*	*10h 35m*	AN_+ *bis* AN_-		06:29	13:59	05:57	*36m*	06:33	*36m*	07:09	*34m*	07:44	*9h 49m*	17:33	*34m*	18:08	*36m*	18:44	*36m*	19:20	*14h 09m*	*10h 35m*				Mi, 7. Feb
Do, 8. Feb		19:22 – 05:54*	*10h 32m*	AN_+ *bis* AN_-		07:18	15:21	05:56	*36m*	06:32	*35m*	07:08	*34m*	07:42	*9h 52m*	17:35	*34m*	18:10	*36m*	18:46	*36m*	19:22	*14h 06m*	*10h 32m*				Do, 8. Feb
Fr, 9. Feb		19:23 – 05:53*	*10h 30m*	AN_+ *bis* AN_-	●	07:54	16:50	05:54	*36m*	06:30	*35m*	07:06	*34m*	07:41	*9h 55m*	17:36	*34m*	18:11	*35m*	18:47	*36m*	19:23	*14h 02m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:24 – 05:52*	*10h 27m*	AN_+ *bis* AN_-		08:21	18:20	05:53	*35m*	06:29	*35m*	07:05	*34m*	07:39	*9h 58m*	17:38	*34m*	18:13	*35m*	18:48	*36m*	19:24	*13h 59m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:49 – 05:50*	*10h 01m*	$M_↘$ *bis* AN_-		08:43	19:49	05:52	*35m*	06:28	*35m*	07:03	*34m*	07:38	*10h 01m*	17:40	*34m*	18:14	*35m*	18:50	*36m*	19:26	*13h 56m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		21:14 – 05:49*	*8h 34m*	$M_↘$ *bis* AN_-		09:01	21:14	05:50	*35m*	06:26	*35m*	07:02	*34m*	07:36	*10h 05m*	17:41	*34m*	18:16	*35m*	18:51	*35m*	19:27	*13h 53m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:38 – 05:47*	*7h 09m*	$M_↘$ *bis* AN_-		09:18	22:38	05:49	*35m*	06:25	*35m*	07:00	*34m*	07:35	*10h 08m*	17:43	*34m*	18:17	*35m*	18:53	*35m*	19:29	*13h 50m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		00:00* – 05:46*	*5h 45m*	$M_↘$ *bis* AN_-		09:36	—:—	05:47	*35m*	06:23	*35m*	06:59	*34m*	07:33	*10h 11m*	17:44	*34m*	18:19	*35m*	18:54	*35m*	19:30	*13h 46m*	*10h 15m*				Mi, 14. Feb
Do, 15. Feb		01:22* – 05:44*	*4h 22m*	$M_↘$ *bis* AN_-		09:56	00:00	05:46	*35m*	06:22	*35m*	06:57	*33m*	07:31	*10h 14m*	17:46	*34m*	18:20	*35m*	18:56	*35m*	19:32	*13h 43m*	*10h 12m*				Do, 15. Feb
Fr, 16. Feb		02:41* – 05:43*	*3h 01m*	$M_↘$ *bis* AN_-	◐	10:20	01:22	05:44	*35m*	06:20	*35m*	06:56	*33m*	07:30	*10h 18m*	17:48	*33m*	18:22	*35m*	18:57	*35m*	19:33	*13h 40m*	*10h 09m*				Fr, 16. Feb
Sa, 17. Feb		03:54* – 05:41*	*1h 46m*	$M_↘$ *bis* AN_-		10:50	02:41	05:43	*35m*	06:19	*35m*	06:54	*33m*	07:28	*10h 21m*	17:49	*33m*	18:23	*35m*	18:59	*35m*	19:35	*13h 36m*	*10h 06m*				Sa, 17. Feb
So, 18. Feb		04:58* – 05:40*	*41m*	$M_↘$ *bis* AN_-		11:30	03:54	05:41	*35m*	06:17	*35m*	06:52	*33m*	07:26	*10h 24m*	17:51	*33m*	18:25	*35m*	19:00	*35m*	19:36	*13h 33m*	*10h 03m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		12:20	04:58	05:40	*35m*	06:15	*35m*	06:51	*33m*	07:24	*10h 27m*	17:52	*33m*	18:26	*35m*	19:02	*35m*	19:37	*13h 30m*	*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		13:21	05:49	05:38	*35m*	06:14	*35m*	06:49	*33m*	07:23	*10h 31m*	17:54	*33m*	18:28	*35m*	19:03	*35m*	19:39	*13h 26m*	*9h 57m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		14:29	06:28	05:36	*35m*	06:12	*35m*	06:47	*33m*	07:21	*10h 34m*	17:56	*33m*	18:29	*35m*	19:05	*35m*	19:40	*13h 23m*	*9h 54m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:39	06:57	05:35	*35m*	06:10	*35m*	06:46	*33m*	07:19	*10h 37m*	17:57	*33m*	18:31	*35m*	19:06	*35m*	19:42	*13h 20m*	*9h 50m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:49	07:19	05:33	*35m*	06:09	*35m*	06:44	*33m*	07:17	*10h 41m*	17:59	*33m*	18:32	*35m*	19:07	*35m*	19:43	*13h 16m*	*9h 47m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:57	07:36	05:31	*35m*	06:07	*35m*	06:42	*33m*	07:15	*10h 44m*	18:00	*33m*	18:34	*35m*	19:09	*35m*	19:45	*13h 13m*	*9h 44m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		19:04	07:51	05:29	*35m*	06:05	*35m*	06:40	*33m*	07:14	*10h 48m*	18:02	*33m*	18:35	*35m*	19:10	*35m*	19:46	*13h 09m*	*9h 41m*				So, 25. Feb
Mo, 26. Feb		19:48 – 20:09	*21m*	AN$_+$ *bis* M↗		20:09	08:04	05:27	*35m*	06:03	*35m*	06:39	*33m*	07:12	*10h 51m*	18:03	*33m*	18:37	*35m*	19:12	*36m*	19:48	*13h 06m*	*9h 37m*				Mo, 26. Feb
Di, 27. Feb		19:49 – 21:15	*1h 25m*	AN$_+$ *bis* M↗		21:15	08:17	05:26	*35m*	06:02	*35m*	06:37	*33m*	07:10	*10h 54m*	18:05	*33m*	18:38	*35m*	19:13	*36m*	19:49	*13h 03m*	*9h 34m*				Di, 27. Feb
Mi, 28. Feb		19:51 – 22:23	*2h 31m*	AN$_+$ *bis* M↗		22:23	08:30	05:24	*35m*	06:00	*35m*	06:35	*33m*	07:08	*10h 58m*	18:06	*33m*	18:40	*35m*	19:15	*36m*	19:51	*12h 59m*	*9h 30m*				Mi, 28. Feb
Do, 29. Feb		19:52 – 23:32	*3h 39m*	AN$_+$ *bis* M↗		23:32	08:45	05:22	*35m*	05:58	*35m*	06:33	*33m*	07:06	*11h 01m*	18:08	*33m*	18:41	*35m*	19:16	*36m*	19:52	*12h 56m*	*9h 27m*				Do, 29. Feb
Fr, 1. Mär		19:54 – 00:44*	*4h 50m*	AN$_+$ *bis* M↗		—:—	09:03	05:20	*36m*	05:56	*35m*	06:31	*33m*	07:04	*11h 05m*	18:09	*33m*	18:43	*35m*	19:18	*36m*	19:54	*12h 52m*	*9h 24m*				Fr, 1. Mär
Sa, 2. Mär		19:55 – 01:58*	*6h 02m*	AN$_+$ *bis* M↗		00:44	09:26	05:18	*36m*	05:54	*35m*	06:29	*33m*	07:02	*11h 08m*	18:11	*33m*	18:44	*35m*	19:19	*36m*	19:55	*12h 49m*	*9h 20m*				Sa, 2. Mär
So, 3. Mär		19:57 – 03:10*	*7h 13m*	AN$_+$ *bis* M↗	◑	01:58	09:56	05:16	*36m*	05:52	*35m*	06:27	*32m*	07:00	*11h 12m*	18:13	*33m*	18:46	*35m*	19:21	*36m*	19:57	*12h 45m*	*9h 17m*				So, 3. Mär
Mo, 4. Mär		19:59 – 04:15*	*8h 16m*	AN$_+$ *bis* M↗		03:10	10:38	05:14	*36m*	05:50	*35m*	06:25	*32m*	06:58	*11h 15m*	18:14	*32m*	18:47	*35m*	19:22	*36m*	19:59	*12h 42m*	*9h 13m*				Mo, 4. Mär
Di, 5. Mär		20:00 – 05:08*	*9h 08m*	AN$_+$ *bis* M↗		04:15	11:36	05:12	*36m*	05:48	*35m*	06:23	*32m*	06:56	*11h 19m*	18:16	*32m*	18:49	*35m*	19:24	*36m*	20:00	*12h 38m*	*9h 09m*				Di, 5. Mär
Mi, 6. Mär		20:02 – 05:08*	*9h 06m*	AN$_+$ *bis* AN$_-$		05:08	12:49	05:10	*36m*	05:46	*35m*	06:22	*32m*	06:54	*11h 22m*	18:17	*32m*	18:50	*35m*	19:25	*36m*	20:02	*12h 35m*	*9h 06m*				Mi, 6. Mär
Do, 7. Mär		20:03 – 05:06*	*9h 02m*	AN$_+$ *bis* AN$_-$		05:49	14:13	05:08	*36m*	05:44	*35m*	06:20	*32m*	06:52	*11h 26m*	18:19	*32m*	18:52	*35m*	19:27	*36m*	20:03	*12h 31m*	*9h 02m*				Do, 7. Mär
Fr, 8. Mär		20:05 – 05:04*	*8h 59m*	AN$_+$ *bis* AN$_-$		06:19	15:43	05:06	*36m*	05:42	*35m*	06:18	*32m*	06:50	*11h 29m*	18:20	*32m*	18:53	*35m*	19:28	*36m*	20:05	*12h 28m*	*8h 59m*				Fr, 8. Mär
Sa, 9. Mär		20:06 – 05:02*	*8h 55m*	AN$_+$ *bis* AN$_-$		06:43	17:12	05:04	*36m*	05:40	*35m*	06:16	*32m*	06:48	*11h 33m*	18:22	*32m*	18:54	*35m*	19:30	*36m*	20:06	*12h 24m*	*8h 55m*				Sa, 9. Mär
So, 10. Mär		20:08 – 05:00*	*8h 51m*	AN$_+$ *bis* AN$_-$	●	07:03	18:41	05:02	*36m*	05:38	*35m*	06:14	*32m*	06:46	*11h 36m*	18:23	*32m*	18:56	*35m*	19:31	*36m*	20:08	*12h 21m*	*8h 51m*				So, 10. Mär
Mo, 11. Mär		20:10 – 04:58*	*8h 47m*	AN$_+$ *bis* AN$_-$		07:21	20:07	05:00	*36m*	05:36	*35m*	06:12	*32m*	06:44	*11h 40m*	18:25	*32m*	18:57	*35m*	19:33	*36m*	20:10	*12h 17m*	*8h 47m*				Mo, 11. Mär
Di, 12. Mär		21:33 – 04:55*	*7h 21m*	M↘ *bis* AN$_-$		07:38	21:33	04:58	*36m*	05:34	*35m*	06:10	*32m*	06:42	*11h 43m*	18:26	*32m*	18:59	*35m*	19:34	*36m*	20:11	*12h 14m*	*8h 44m*				Di, 12. Mär
Mi, 13. Mär		22:59 – 04:53*	*5h 54m*	M↘ *bis* AN$_-$		07:58	22:59	04:55	*36m*	05:32	*35m*	06:08	*32m*	06:40	*11h 47m*	18:28	*32m*	19:00	*35m*	19:36	*36m*	20:13	*12h 10m*	*8h 40m*				Mi, 13. Mär
Do, 14. Mär		00:23* – 04:51*	*4h 28m*	M↘ *bis* AN$_-$		08:20	—:—	04:53	*36m*	05:30	*35m*	06:06	*32m*	06:38	*11h 50m*	18:29	*32m*	19:02	*35m*	19:37	*37m*	20:14	*12h 07m*	*8h 36m*				Do, 14. Mär
Fr, 15. Mär		01:42* – 04:49*	*3h 07m*	M↘ *bis* AN$_-$		08:49	00:23	04:51	*37m*	05:28	*35m*	06:04	*32m*	06:36	*11h 54m*	18:30	*32m*	19:03	*35m*	19:39	*37m*	20:16	*12h 03m*	*8h 32m*				Fr, 15. Mär
Sa, 16. Mär		02:51* – 04:47*	*1h 55m*	M↘ *bis* AN$_-$		09:26	01:42	04:49	*37m*	05:26	*35m*	06:02	*32m*	06:34	*11h 57m*	18:32	*32m*	19:05	*35m*	19:40	*37m*	20:18	*12h 00m*	*8h 28m*				Sa, 16. Mär
So, 17. Mär		03:47* – 04:44*	*57m*	M↘ *bis* AN$_-$	◐	10:14	02:51	04:47	*37m*	05:24	*35m*	05:59	*32m*	06:32	*12h 01m*	18:33	*32m*	19:06	*35m*	19:42	*37m*	20:19	*11h 56m*	*8h 24m*				So, 17. Mär
Mo, 18. Mär		04:30* – 04:42*	*12m*	M↘ *bis* AN$_-$		11:12	03:47	04:44	*37m*	05:22	*35m*	05:57	*32m*	06:30	*12h 04m*	18:35	*32m*	19:08	*35m*	19:44	*37m*	20:21	*11h 53m*	*8h 21m*				Mo, 18. Mär
Di, 19. Mär		—:——:—	–	Mond stört		12:19	04:30	04:42	*37m*	05:20	*35m*	05:55	*32m*	06:28	*12h 08m*	18:36	*32m*	19:09	*35m*	19:45	*37m*	20:23	*11h 49m*	*8h 17m*				Di, 19. Mär
Mi, 20. Mär		—:——:—	–	Mond stört		13:28	05:01	04:40	*37m*	05:18	*35m*	05:53	*32m*	06:26	*12h 11m*	18:38	*32m*	19:11	*35m*	19:47	*37m*	20:24	*11h 46m*	*8h 13m*				Mi, 20. Mär
Do, 21. Mär		—:——:—	–	Mond stört		14:38	05:25	04:38	*37m*	05:15	*35m*	05:51	*32m*	06:24	*12h 15m*	18:39	*33m*	19:12	*35m*	19:48	*37m*	20:26	*11h 42m*	*8h 09m*				Do, 21. Mär
Fr, 22. Mär		—:——:—	–	Mond stört		15:47	05:44	04:35	*37m*	05:13	*35m*	05:49	*32m*	06:22	*12h 18m*	18:41	*33m*	19:14	*36m*	19:50	*38m*	20:28	*11h 39m*	*8h 05m*				Fr, 22. Mär
Sa, 23. Mär		—:——:—	–	Mond stört		16:54	05:59	04:33	*38m*	05:11	*35m*	05:47	*32m*	06:20	*12h 22m*	18:42	*33m*	19:15	*36m*	19:51	*38m*	20:30	*11h 35m*	*8h 01m*				Sa, 23. Mär
So, 24. Mär		—:——:—	–	Mond stört		18:00	06:13	04:31	*38m*	05:09	*36m*	05:45	*33m*	06:18	*12h 25m*	18:44	*33m*	19:17	*36m*	19:53	*38m*	20:31	*11h 32m*	*7h 56m*				So, 24. Mär
Mo, 25. Mär		—:——:—	–	Mond stört	○	19:06	06:25	04:28	*38m*	05:07	*36m*	05:43	*33m*	06:16	*12h 29m*	18:45	*33m*	19:18	*36m*	19:55	*38m*	20:33	*11h 28m*	*7h 52m*				Mo, 25. Mär
Di, 26. Mär		—:——:—	–	Mond stört		20:13	06:38	04:26	*38m*	05:05	*36m*	05:41	*33m*	06:14	*12h 32m*	18:47	*33m*	19:20	*36m*	19:56	*38m*	20:35	*11h 25m*	*7h 48m*				Di, 26. Mär
Mi, 27. Mär		20:37 – 21:23	*45m*	AN$_+$ *bis* M↗		21:23	06:53	04:24	*38m*	05:02	*36m*	05:39	*33m*	06:12	*12h 36m*	18:48	*33m*	19:21	*36m*	19:58	*38m*	20:37	*11h 21m*	*7h 44m*				Mi, 27. Mär
Do, 28. Mär		20:38 – 22:34	*1h 55m*	AN$_+$ *bis* M↗		22:34	07:09	04:21	*38m*	05:00	*36m*	05:37	*33m*	06:10	*12h 39m*	18:49	*33m*	19:23	*36m*	19:59	*39m*	20:38	*11h 18m*	*7h 40m*				Do, 28. Mär
Fr, 29. Mär		20:40 – 23:47	*3h 06m*	AN$_+$ *bis* M↗		23:47	07:30	04:19	*39m*	04:58	*36m*	05:34	*33m*	06:08	*12h 43m*	18:51	*33m*	19:24	*36m*	20:01	*39m*	20:40	*11h 14m*	*7h 36m*				Fr, 29. Mär
Sa, 30. Mär		20:42 – 00:59*	*4h 17m*	AN$_+$ *bis* M↗		—:—	07:57	04:16	*39m*	04:56	*36m*	05:32	*33m*	06:06	*12h 46m*	18:52	*33m*	19:26	*36m*	20:03	*39m*	20:42	*11h 11m*	*7h 31m*				Sa, 30. Mär
So, 31. Mär	MESZ	21:44 – 03:06*	*5h 22m*	AN$_+$ *bis* M↗		01:59	09:34	05:14	*39m*	05:53	*36m*	06:30	*33m*	07:04	*12h 50m*	19:54	*33m*	20:27	*36m*	21:04	*39m*	21:44	*11h 07m*	*7h 27m*				So, 31. Mär
Mo, 1. Apr	MESZ	21:46 – 04:02*	*6h 16m*	AN$_+$ *bis* M↗		03:06	10:25	05:12	*39m*	05:51	*36m*	06:28	*33m*	07:02	*12h 53m*	19:55	*33m*	20:29	*37m*	21:06	*39m*	21:46	*11h 04m*	*7h 23m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:48 – 04:46*	*6h 58m*	AN$_+$ *bis* M↗	◑	04:02	11:30	05:09	*39m*	05:49	*37m*	06:26	*33m*	07:00	*12h 57m*	19:57	*33m*	20:30	*37m*	21:07	*40m*	21:48	*11h 00m*	*7h 18m*				Di, 2. Apr
Mi, 3. Apr	MESZ	21:50 – 05:04*	*7h 14m*	AN$_+$ *bis* AN$_-$		04:46	12:48	05:07	*40m*	05:47	*37m*	06:24	*33m*	06:58	*13h 00m*	19:58	*33m*	20:32	*37m*	21:09	*40m*	21:50	*10h 57m*	*7h 14m*				Mi, 3. Apr
Do, 4. Apr	MESZ	21:52 – 05:02*	*7h 10m*	AN$_+$ *bis* AN$_-$		05:19	14:13	05:04	*40m*	05:45	*37m*	06:22	*33m*	06:56	*13h 03m*	20:00	*33m*	20:33	*37m*	21:11	*40m*	21:52	*10h 54m*	*7h 10m*				Do, 4. Apr
Fr, 5. Apr	MESZ	21:53 – 04:59*	*7h 05m*	AN$_+$ *bis* AN$_-$		05:44	15:40	05:02	*40m*	05:42	*37m*	06:20	*33m*	06:54	*13h 07m*	20:01	*33m*	20:35	*37m*	21:12	*40m*	21:53	*10h 50m*	*7h 05m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	21:55 – 04:57*	*7h 01m*	AN$_+$ *bis* AN$_-$		06:05	17:06	04:59	*40m*	05:40	*37m*	06:18	*33m*	06:52	*13h 10m*	20:02	*33m*	20:36	*37m*	21:14	*41m*	21:55	*10h 47m*	*7h 01m*				Sa, 6. Apr
So, 7. Apr	MESZ	21:57 – 04:54*	*6h 56m*	AN$_+$ *bis* AN$_-$		06:23	18:32	04:57	*41m*	05:38	*37m*	06:16	*33m*	06:50	*13h 14m*	20:04	*34m*	20:38	*37m*	21:16	*41m*	21:57	*10h 43m*	*6h 56m*				So, 7. Apr
Mo, 8. Apr	MESZ	21:59 – 04:52*	*6h 52m*	AN$_+$ *bis* AN$_-$	●	06:40	19:59	04:54	*41m*	05:36	*37m*	06:14	*33m*	06:48	*13h 17m*	20:05	*34m*	20:39	*38m*	21:18	*41m*	21:59	*10h 40m*	*6h 52m*				Mo, 8. Apr
Di, 9. Apr	MESZ	22:01 – 04:49*	*6h 47m*	AN$_+$ *bis* AN$_-$		06:59	21:26	04:52	*41m*	05:33	*38m*	06:11	*34m*	06:46	*13h 21m*	20:07	*34m*	20:41	*38m*	21:19	*42m*	22:01	*10h 36m*	*6h 47m*				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	22:53 – 04:47*	*5h 53m*	M↘ *bis* AN−		07:20	22:53	04:49	*42m*	05:31	*38m*	06:09	*34m*	06:44	*13h 24m*	20:08	*34m*	20:42	*38m*	21:21	*42m*	22:03	*10h 33m*	*6h 43m*				Mi, 10. Apr
Do, 11. Apr	MESZ	00:18* – 04:44*	*4h 25m*	M↘ *bis* AN−		07:46	—:—	04:47	*42m*	05:29	*38m*	06:07	*34m*	06:42	*13h 27m*	20:10	*34m*	20:44	*38m*	21:23	*42m*	22:05	*10h 30m*	*6h 38m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:35* – 04:41*	*3h 06m*	M↘ *bis* AN−		08:20	00:18	04:44	*42m*	05:27	*38m*	06:05	*34m*	06:40	*13h 31m*	20:11	*34m*	20:46	*38m*	21:24	*43m*	22:07	*10h 26m*	*6h 33m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:39* – 04:39*	*2h 00m*	M↘ *bis* AN−		09:04	01:35	04:41	*42m*	05:24	*38m*	06:03	*34m*	06:38	*13h 34m*	20:12	*34m*	20:47	*39m*	21:26	*43m*	22:10	*10h 23m*	*6h 29m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:28* – 04:36*	*1h 08m*	M↘ *bis* AN−		10:00	02:39	04:39	*43m*	05:22	*39m*	06:01	*34m*	06:36	*13h 38m*	20:14	*34m*	20:49	*39m*	21:28	*43m*	22:12	*10h 19m*	*6h 24m*				So, 14. Apr
Mo, 15. Apr	MESZ	04:04* – 04:34*	*29m*	M↘ *bis* AN−	◐	11:06	03:28	04:36	*43m*	05:20	*39m*	05:59	*34m*	06:34	*13h 41m*	20:15	*34m*	20:50	*39m*	21:30	*44m*	22:14	*10h 16m*	*6h 19m*				Mo, 15. Apr
Di, 16. Apr	MESZ	04:30* – 04:31*	*0m*	M↘ *bis* AN−		12:16	04:04	04:34	*44m*	05:18	*39m*	05:57	*34m*	06:32	*13h 44m*	20:17	*35m*	20:52	*39m*	21:31	*44m*	22:16	*10h 13m*	*6h 15m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:27	04:30	04:31	*44m*	05:15	*39m*	05:55	*34m*	06:30	*13h 48m*	20:18	*35m*	20:53	*39m*	21:33	*44m*	22:18	*10h 09m*	*6h 10m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:36	04:50	04:28	*44m*	05:13	*39m*	05:53	*35m*	06:28	*13h 51m*	20:20	*35m*	20:55	*40m*	21:35	*45m*	22:20	*10h 06m*	*6h 05m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:44	05:07	04:26	*45m*	05:11	*40m*	05:51	*35m*	06:26	*13h 54m*	20:21	*35m*	20:57	*40m*	21:37	*45m*	22:22	*10h 03m*	*6h 00m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:50	05:21	04:23	*45m*	05:09	*40m*	05:49	*35m*	06:24	*13h 58m*	20:23	*35m*	20:58	*40m*	21:39	*46m*	22:25	*10h 00m*	*5h 55m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:56	05:34	04:21	*46m*	05:07	*40m*	05:47	*35m*	06:23	*14h 01m*	20:24	*35m*	21:00	*40m*	21:40	*46m*	22:27	*9h 56m*	*5h 50m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		19:03	05:46	04:18	*46m*	05:04	*40m*	05:45	*35m*	06:21	*14h 04m*	20:25	*35m*	21:01	*41m*	21:42	*46m*	22:29	*9h 53m*	*5h 46m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		20:12	06:00	04:15	*46m*	05:02	*41m*	05:43	*35m*	06:19	*14h 07m*	20:27	*35m*	21:03	*41m*	21:44	*47m*	22:32	*9h 50m*	*5h 41m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:23	06:16	04:13	*47m*	05:00	*41m*	05:41	*35m*	06:17	*14h 11m*	20:28	*36m*	21:04	*41m*	21:46	*47m*	22:34	*9h 47m*	*5h 36m*				Mi, 24. Apr
Do, 25. Apr	MESZ	22:36 – 22:37	*0m*	AN+ *bis* M↗		22:37	06:35	04:10	*47m*	04:58	*41m*	05:39	*36m*	06:15	*14h 14m*	20:30	*36m*	21:06	*41m*	21:48	*48m*	22:36	*9h 44m*	*5h 31m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:39 – 23:50	*1h 11m*	AN+ *bis* M↗		23:50	07:01	04:07	*48m*	04:56	*41m*	05:37	*36m*	06:14	*14h 17m*	20:31	*36m*	21:08	*42m*	21:50	*48m*	22:39	*9h 40m*	*5h 26m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	22:41 – 00:59*	*2h 18m*	AN+ *bis* M↗		—:—	07:35	04:05	*48m*	04:54	*42m*	05:36	*36m*	06:12	*14h 20m*	20:33	*36m*	21:09	*42m*	21:51	*49m*	22:41	*9h 37m*	*5h 21m*				Sa, 27. Apr
So, 28. Apr	MESZ	22:43 – 01:58*	*3h 15m*	AN+ *bis* M↗		00:59	08:21	04:02	*49m*	04:51	*42m*	05:34	*36m*	06:10	*14h 23m*	20:34	*36m*	21:11	*42m*	21:53	*49m*	22:43	*9h 34m*	*5h 15m*				So, 28. Apr
Mo, 29. Apr	MESZ	22:46 – 02:45*	*3h 59m*	AN+ *bis* M↗		01:58	09:21	03:59	*49m*	04:49	*42m*	05:32	*36m*	06:09	*14h 26m*	20:35	*36m*	21:12	*42m*	21:55	*50m*	22:46	*9h 31m*	*5h 10m*				Mo, 29. Apr
Di, 30. Apr	MESZ	22:48 – 03:21*	*4h 32m*	AN+ *bis* M↗		02:45	10:35	03:57	*50m*	04:47	*42m*	05:30	*36m*	06:07	*14h 29m*	20:37	*37m*	21:14	*43m*	21:57	*51m*	22:48	*9h 28m*	*5h 05m*				Di, 30. Apr
Mi, 1. Mai	MESZ	22:51 – 03:48*	*4h 56m*	AN+ *bis* M↗	◑	03:21	11:55	03:54	*51m*	04:45	*43m*	05:28	*37m*	06:05	*14h 32m*	20:38	*37m*	21:15	*43m*	21:59	*51m*	22:51	*9h 25m*	*5h 00m*				Mi, 1. Mai
Do, 2. Mai	MESZ	22:53 – 03:49*	*4h 55m*	AN+ *bis* AN−		03:48	13:19	03:51	*51m*	04:43	*43m*	05:26	*37m*	06:04	*14h 35m*	20:40	*37m*	21:17	*43m*	22:01	*52m*	22:53	*9h 22m*	*4h 55m*				Do, 2. Mai
Fr, 3. Mai	MESZ	22:56 – 03:46*	*4h 50m*	AN+ *bis* AN−		04:09	14:42	03:49	*52m*	04:41	*43m*	05:25	*37m*	06:02	*14h 38m*	20:41	*37m*	21:19	*44m*	22:03	*52m*	22:56	*9h 19m*	*4h 50m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	22:58 – 03:43*	*4h 44m*	AN+ *bis* AN−		04:27	16:06	03:46	*52m*	04:39	*44m*	05:23	*37m*	06:00	*14h 41m*	20:42	*37m*	21:20	*44m*	22:05	*53m*	22:58	*9h 16m*	*4h 44m*				Sa, 4. Mai
So, 5. Mai	MESZ	23:01 – 03:40*	*4h 39m*	AN+ *bis* AN−		04:44	17:29	03:43	*53m*	04:37	*44m*	05:21	*37m*	05:59	*14h 44m*	20:44	*37m*	21:22	*44m*	22:06	*54m*	23:01	*9h 13m*	*4h 39m*				So, 5. Mai
Mo, 6. Mai	MESZ	23:03 – 03:38*	*4h 34m*	AN+ *bis* AN−		05:01	18:54	03:40	*54m*	04:35	*44m*	05:19	*37m*	05:57	*14h 47m*	20:45	*38m*	21:23	*45m*	22:08	*55m*	23:03	*9h 10m*	*4h 34m*				Mo, 6. Mai
Di, 7. Mai	MESZ	23:06 – 03:35*	*4h 28m*	AN+ *bis* AN−		05:20	20:21	03:38	*55m*	04:33	*45m*	05:18	*38m*	05:56	*14h 50m*	20:47	*38m*	21:25	*45m*	22:10	*55m*	23:06	*9h 07m*	*4h 28m*				Di, 7. Mai
Mi, 8. Mai	MESZ	23:09 – 03:32*	*4h 23m*	AN+ *bis* AN−	●	05:44	21:47	03:35	*55m*	04:31	*45m*	05:16	*38m*	05:54	*14h 53m*	20:48	*38m*	21:26	*45m*	22:12	*56m*	23:09	*9h 05m*	*4h 23m*				Mi, 8. Mai
Do, 9. Mai	MESZ	23:11 – 03:30*	*4h 18m*	AN+ *bis* AN−		06:14	23:10	03:32	*56m*	04:29	*45m*	05:14	*38m*	05:53	*14h 56m*	20:49	*38m*	21:28	*46m*	22:14	*57m*	23:11	*9h 02m*	*4h 18m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:22* – 03:27*	*3h 05m*	M↘ *bis* AN−		06:53	—:—	03:30	*57m*	04:27	*46m*	05:13	*38m*	05:51	*14h 59m*	20:51	*38m*	21:29	*46m*	22:16	*58m*	23:14	*8h 59m*	*4h 12m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	01:19* – 03:24*	*2h 05m*	M↘ *bis* AN−		07:45	00:22	03:27	*58m*	04:25	*46m*	05:11	*38m*	05:50	*15h 01m*	20:52	*39m*	21:31	*46m*	22:18	*58m*	23:17	*8h 56m*	*4h 07m*				Sa, 11. Mai
So, 12. Mai	MESZ	02:01* – 03:21*	*1h 20m*	M↘ *bis* AN−		08:49	01:19	03:24	*58m*	04:23	*46m*	05:10	*39m*	05:49	*15h 04m*	20:53	*39m*	21:32	*47m*	22:20	*59m*	23:19	*8h 54m*	*4h 02m*				So, 12. Mai
Mo, 13. Mai	MESZ	02:32* – 03:19*	*46m*	M↘ *bis* AN−		09:59	02:01	03:21	*59m*	04:21	*47m*	05:08	*39m*	05:47	*15h 07m*	20:55	*39m*	21:34	*47m*	22:21	*1h 00m*	23:22	*8h 51m*	*3h 56m*				Mo, 13. Mai
Di, 14. Mai	MESZ	02:55* – 03:16*	*21m*	M↘ *bis* AN−		11:11	02:32	03:19	*1h 00m*	04:19	*47m*	05:07	*39m*	05:46	*15h 09m*	20:56	*39m*	21:35	*47m*	22:23	*1h 01m*	23:25	*8h 48m*	*3h 51m*				Di, 14. Mai
Mi, 15. Mai	MESZ	03:12* – 03:13*	*0m*	M↘ *bis* AN−	◐	12:22	02:55	03:16	*1h 01m*	04:17	*47m*	05:05	*39m*	05:45	*15h 12m*	20:57	*39m*	21:37	*48m*	22:25	*1h 02m*	23:28	*8h 46m*	*3h 45m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:31	03:12	03:13	*1h 02m*	04:16	*48m*	05:04	*39m*	05:44	*15h 14m*	20:58	*39m*	21:38	*48m*	22:27	*1h 03m*	23:30	*8h 43m*	*3h 40m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:38	03:27	03:10	*1h 03m*	04:14	*48m*	05:02	*39m*	05:42	*15h 17m*	21:00	*40m*	21:40	*48m*	22:29	*1h 04m*	23:33	*8h 41m*	*3h 34m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:44	03:41	03:08	*1h 04m*	04:12	*48m*	05:01	*40m*	05:41	*15h 19m*	21:01	*40m*	21:41	*49m*	22:31	*1h 05m*	23:36	*8h 39m*	*3h 29m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:50	03:53	03:05	*1h 05m*	04:10	*49m*	05:00	*40m*	05:40	*15h 22m*	21:02	*40m*	21:43	*49m*	22:32	*1h 06m*	23:39	*8h 36m*	*3h 23m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		17:58	04:07	03:02	*1h 06m*	04:09	*49m*	04:58	*40m*	05:39	*15h 24m*	21:03	*40m*	21:44	*49m*	22:34	*1h 07m*	23:42	*8h 34m*	*3h 17m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		19:08	04:22	03:00	*1h 07m*	04:07	*49m*	04:57	*40m*	05:38	*15h 26m*	21:05	*40m*	21:45	*50m*	22:36	*1h 08m*	23:45	*8h 32m*	*3h 12m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:22	04:40	02:57	*1h 08m*	04:06	*50m*	04:56	*40m*	05:37	*15h 29m*	21:06	*41m*	21:47	*50m*	22:38	*1h 09m*	23:47	*8h 29m*	*3h 06m*				Mi, 22. Mai
Do, 23. Mai	MESZ	—:— – —:—	–	Mond stört	○	21:37	05:03	02:54	*1h 09m*	04:04	*50m*	04:55	*41m*	05:36	*15h 31m*	21:07	*41m*	21:48	*51m*	22:39	*1h 11m*	23:50	*8h 27m*	*3h 01m*				Do, 23. Mai
Fr, 24. Mai	MESZ	—:— – —:—	–	Mond stört		22:49	05:34	02:52	*1h 11m*	04:03	*51m*	04:54	*41m*	05:35	*15h 33m*	21:08	*41m*	21:50	*51m*	22:41	*1h 12m*	23:53	*8h 25m*	*2h 55m*				Fr, 24. Mai
Sa, 25. Mai	MESZ	—:— – —:—	–	Mond stört		23:52	06:17	02:49	*1h 12m*	04:01	*51m*	04:52	*41m*	05:34	*15h 35m*	21:09	*41m*	21:51	*51m*	22:43	*1h 13m*	23:56	*8h 23m*	*2h 50m*				Sa, 25. Mai
So, 26. Mai	MESZ	23:59 – 00:44*	*44m*	AN+ *bis* M↗		—:—	07:14	02:46	*1h 13m*	04:00	*51m*	04:51	*41m*	05:33	*15h 37m*	21:10	*41m*	21:52	*52m*	22:44	*1h 14m*	23:59	*8h 21m*	*2h 44m*				So, 26. Mai
Mo, 27. Mai	MESZ	00:02* – 01:23*	*1h 20m*	AN+ *bis* M↗		00:44	08:25	02:44	*1h 14m*	03:58	*52m*	04:50	*41m*	05:32	*15h 39m*	21:11	*41m*	21:53	*52m*	22:46	*1h 16m*	00:02*	*8h 19m*	*2h 39m*				Mo, 27. Mai
Di, 28. Mai	MESZ	00:05* – 01:52*	*1h 46m*	AN+ *bis* M↗		01:23	09:44	02:41	*1h 16m*	03:57	*52m*	04:49	*41m*	05:31	*15h 41m*	21:12	*42m*	21:55	*52m*	22:47	*1h 17m*	00:05*	*8h 18m*	*2h 33m*				Di, 28. Mai
Mi, 29. Mai	MESZ	00:08* – 02:14*	*2h 06m*	AN+ *bis* M↗		01:52	11:07	02:38	*1h 17m*	03:56	*52m*	04:48	*42m*	05:31	*15h 42m*	21:13	*42m*	21:56	*53m*	22:49	*1h 18m*	00:08*	*8h 16m*	*2h 27m*				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	00:11* – 02:33*	*2h 22m*	AN_+ *bis* $M_↗$	◑	02:14	12:29	02:36	*1h 18m*	03:54	*53m*	04:48	*42m*	05:30	*15h 44m*	21:14	*42m*	21:57	*53m*	22:50	*1h 20m*	00:11*	*8h 14m*	*2h 22m*				Do, 30. Mai
Fr, 31. Mai	MESZ	00:13* – 02:30*	*2h 16m*	AN_+ *bis* AN_-		02:33	13:50	02:33	*1h 20m*	03:53	*53m*	04:47	*42m*	05:29	*15h 46m*	21:15	*42m*	21:58	*53m*	22:52	*1h 21m*	00:13*	*8h 13m*	*2h 16m*				Fr, 31. Mai
Sa, 1. Jun	MESZ	00:16* – 02:28*	*2h 11m*	AN_+ *bis* AN_-		02:50	15:11	02:30	*1h 21m*	03:52	*53m*	04:46	*42m*	05:28	*15h 47m*	21:16	*42m*	21:59	*54m*	22:53	*1h 23m*	00:16*	*8h 11m*	*2h 11m*				Sa, 1. Jun
So, 2. Jun	MESZ	00:19* – 02:25*	*2h 06m*	AN_+ *bis* AN_-		03:06	16:33	02:28	*1h 23m*	03:51	*54m*	04:45	*42m*	05:28	*15h 49m*	21:17	*42m*	22:00	*54m*	22:54	*1h 24m*	00:19*	*8h 10m*	*2h 06m*				So, 2. Jun
Mo, 3. Jun	MESZ	00:22* – 02:23*	*2h 00m*	AN_+ *bis* AN_-		03:24	17:56	02:25	*1h 24m*	03:50	*54m*	04:44	*42m*	05:27	*15h 50m*	21:18	*42m*	22:01	*54m*	22:56	*1h 26m*	00:22*	*8h 08m*	*2h 00m*				Mo, 3. Jun
Di, 4. Jun	MESZ	00:25* – 02:20*	*1h 55m*	AN_+ *bis* AN_-		03:45	19:21	02:23	*1h 26m*	03:49	*54m*	04:44	*42m*	05:27	*15h 52m*	21:19	*43m*	22:02	*54m*	22:57	*1h 27m*	00:25*	*8h 07m*	*1h 55m*				Di, 4. Jun
Mi, 5. Jun	MESZ	00:28* – 02:18*	*1h 50m*	AN_+ *bis* AN_-		04:11	20:44	02:20	*1h 27m*	03:48	*54m*	04:43	*43m*	05:26	*15h 53m*	21:20	*43m*	22:03	*55m*	22:58	*1h 29m*	00:28*	*8h 06m*	*1h 50m*				Mi, 5. Jun
Do, 6. Jun	MESZ	00:30* – 02:16*	*1h 45m*	AN_+ *bis* AN_-	●	04:46	22:01	02:18	*1h 29m*	03:47	*55m*	04:43	*43m*	05:26	*15h 54m*	21:21	*43m*	22:04	*55m*	22:59	*1h 30m*	00:30*	*8h 04m*	*1h 45m*				Do, 6. Jun
Fr, 7. Jun	MESZ	00:33* – 02:13*	*1h 40m*	AN_+ *bis* AN_-		05:32	23:05	02:16	*1h 30m*	03:47	*55m*	04:42	*43m*	05:25	*15h 55m*	21:21	*43m*	22:05	*55m*	23:01	*1h 32m*	00:33*	*8h 03m*	*1h 40m*				Fr, 7. Jun
Sa, 8. Jun	MESZ	00:36* – 02:11*	*1h 35m*	AN_+ *bis* AN_-		06:31	23:54	02:13	*1h 32m*	03:46	*55m*	04:42	*43m*	05:25	*15h 56m*	21:22	*43m*	22:06	*55m*	23:02	*1h 34m*	00:36*	*8h 02m*	*1h 35m*				Sa, 8. Jun
So, 9. Jun	MESZ	00:38* – 02:09*	*1h 30m*	AN_+ *bis* AN_-		07:40	—:—	02:11	*1h 34m*	03:45	*55m*	04:41	*43m*	05:25	*15h 57m*	21:23	*43m*	22:06	*56m*	23:03	*1h 35m*	00:38*	*8h 01m*	*1h 30m*				So, 9. Jun
Mo, 10. Jun	MESZ	00:56* – 02:07*	*1h 10m*	$M_↘$ *bis* AN_-		08:53	00:30	02:09	*1h 35m*	03:45	*56m*	04:41	*43m*	05:24	*15h 58m*	21:23	*43m*	22:07	*56m*	23:04	*1h 37m*	00:41*	*8h 00m*	*1h 26m*				Mo, 10. Jun
Di, 11. Jun	MESZ	01:16* – 02:05*	*48m*	$M_↘$ *bis* AN_-		10:06	00:56	02:07	*1h 37m*	03:44	*56m*	04:41	*43m*	05:24	*15h 59m*	21:24	*43m*	22:08	*56m*	23:04	*1h 38m*	00:43*	*8h 00m*	*1h 21m*				Di, 11. Jun
Mi, 12. Jun	MESZ	01:32* – 02:03*	*30m*	$M_↘$ *bis* AN_-		11:16	01:16	02:05	*1h 38m*	03:44	*56m*	04:40	*43m*	05:24	*16h 00m*	21:25	*43m*	22:08	*56m*	23:05	*1h 40m*	00:45*	*7h 59m*	*1h 17m*				Mi, 12. Jun
Do, 13. Jun	MESZ	01:46* – 02:01*	*14m*	$M_↘$ *bis* AN_-		12:24	01:32	02:03	*1h 40m*	03:43	*56m*	04:40	*43m*	05:24	*16h 01m*	21:25	*43m*	22:09	*56m*	23:06	*1h 41m*	00:48*	*7h 58m*	*1h 13m*				Do, 13. Jun
Fr, 14. Jun	MESZ	01:59* – 02:00*	*0m*	$M_↘$ *bis* AN_-	◐	13:30	01:46	02:01	*1h 41m*	03:43	*56m*	04:40	*43m*	05:24	*16h 01m*	21:26	*44m*	22:10	*57m*	23:07	*1h 42m*	00:50*	*7h 58m*	*1h 10m*				Fr, 14. Jun
Sa, 15. Jun	MESZ	—:——:—	–	Mond stört		14:36	01:59	02:00	*1h 42m*	03:43	*57m*	04:40	*44m*	05:24	*16h 02m*	21:26	*44m*	22:10	*57m*	23:07	*1h 44m*	00:51*	*7h 57m*	*1h 07m*				Sa, 15. Jun
So, 16. Jun	MESZ	—:——:—	–	Mond stört		15:43	02:12	01:59	*1h 44m*	03:43	*57m*	04:40	*44m*	05:24	*16h 02m*	21:26	*44m*	22:11	*57m*	23:08	*1h 45m*	00:53*	*7h 57m*	*1h 04m*				So, 16. Jun
Mo, 17. Jun	MESZ	—:——:—	–	Mond stört		16:52	02:27	01:58	*1h 45m*	03:43	*57m*	04:40	*44m*	05:24	*16h 02m*	21:27	*44m*	22:11	*57m*	23:08	*1h 45m*	00:54*	*7h 57m*	*1h 02m*				Mo, 17. Jun
Di, 18. Jun	MESZ	—:——:—	–	Mond stört		18:04	02:43	01:57	*1h 45m*	03:43	*57m*	04:40	*44m*	05:24	*16h 03m*	21:27	*44m*	22:11	*57m*	23:09	*1h 46m*	00:55*	*7h 56m*	*1h 01m*				Di, 18. Jun
Mi, 19. Jun	MESZ	—:——:—	–	Mond stört		19:18	03:04	01:56	*1h 46m*	03:43	*57m*	04:40	*44m*	05:24	*16h 03m*	21:27	*44m*	22:12	*57m*	23:09	*1h 46m*	00:56*	*7h 56m*	*1h 00m*				Mi, 19. Jun
Do, 20. Jun	MESZ	—:——:—	–	Mond stört		20:32	03:32	01:56	*1h 46m*	03:43	*57m*	04:40	*44m*	05:24	*16h 03m*	21:28	*44m*	22:12	*57m*	23:09	*1h 46m*	00:56*	*7h 56m*	*1h 00m*				Do, 20. Jun
Fr, 21. Jun	MESZ	—:——:—	–	Mond stört		21:41	04:11	01:56	*1h 46m*	03:43	*57m*	04:40	*44m*	05:24	*16h 03m*	21:28	*44m*	22:12	*57m*	23:09	*1h 46m*	00:56*	*7h 56m*	*1h 00m*				Fr, 21. Jun
Sa, 22. Jun	MESZ	—:——:—	–	Mond stört	○	22:38	05:03	01:56	*1h 46m*	03:43	*57m*	04:41	*44m*	05:25	*16h 03m*	21:28	*44m*	22:12	*57m*	23:09	*1h 46m*	00:56*	*7h 56m*	*1h 01m*				Sa, 22. Jun
So, 23. Jun	MESZ	—:——:—	–	Mond stört		23:22	06:11	01:57	*1h 46m*	03:43	*57m*	04:41	*44m*	05:25	*16h 03m*	21:28	*44m*	22:12	*57m*	23:10	*1h 45m*	00:55*	*7h 57m*	*1h 03m*				So, 23. Jun
Mo, 24. Jun	MESZ	—:——:—	–	Mond stört		23:54	07:29	01:58	*1h 45m*	03:44	*57m*	04:41	*44m*	05:25	*16h 02m*	21:28	*44m*	22:12	*57m*	23:09	*1h 44m*	00:54*	*7h 57m*	*1h 05m*				Mo, 24. Jun
Di, 25. Jun	MESZ	—:——:—	–	Mond stört		—:—	08:53	02:00	*1h 44m*	03:44	*57m*	04:42	*44m*	05:26	*16h 02m*	21:28	*44m*	22:12	*57m*	23:09	*1h 43m*	00:53*	*7h 57m*	*1h 07m*				Di, 25. Jun
Mi, 26. Jun	MESZ	—:——:—	–	Mond stört		00:19	10:17	02:01	*1h 43m*	03:45	*57m*	04:42	*44m*	05:26	*16h 02m*	21:28	*44m*	22:12	*56m*	23:09	*1h 42m*	00:52*	*7h 58m*	*1h 11m*				Mi, 26. Jun
Do, 27. Jun	MESZ	00:50* – 00:56*	*5m*	AN_+ *bis* $M_↗$		00:39	11:40	02:03	*1h 42m*	03:46	*56m*	04:43	*44m*	05:27	*16h 01m*	21:28	*43m*	22:12	*56m*	23:09	*1h 41m*	00:50*	*7h 58m*	*1h 14m*				Do, 27. Jun
Fr, 28. Jun	MESZ	00:49* – 01:12*	*23m*	AN_+ *bis* $M_↗$	◑	00:56	13:00	02:05	*1h 41m*	03:46	*56m*	04:43	*43m*	05:27	*16h 00m*	21:28	*43m*	22:12	*56m*	23:09	*1h 39m*	00:49*	*7h 59m*	*1h 18m*				Fr, 28. Jun
Sa, 29. Jun	MESZ	00:47* – 01:29*	*42m*	AN_+ *bis* $M_↗$		01:12	14:20	02:07	*1h 39m*	03:47	*56m*	04:44	*43m*	05:28	*16h 00m*	21:28	*43m*	22:12	*56m*	23:08	*1h 38m*	00:47*	*8h 00m*	*1h 22m*				Sa, 29. Jun
So, 30. Jun	MESZ	00:45* – 01:48*	*1h 03m*	AN_+ *bis* $M_↗$		01:29	15:42	02:09	*1h 38m*	03:48	*56m*	04:44	*43m*	05:28	*15h 59m*	21:28	*43m*	22:11	*56m*	23:08	*1h 36m*	00:45*	*8h 01m*	*1h 26m*				So, 30. Jun
Mo, 1. Jul	MESZ	00:43* – 02:12*	*1h 29m*	AN_+ *bis* $M_↗$		01:48	17:04	02:12	*1h 36m*	03:49	*56m*	04:45	*43m*	05:29	*15h 58m*	21:27	*43m*	22:11	*56m*	23:07	*1h 35m*	00:43*	*8h 01m*	*1h 31m*				Mo, 1. Jul
Di, 2. Jul	MESZ	00:40* – 02:17*	*1h 36m*	AN_+ *bis* AN_-		02:12	18:26	02:14	*1h 35m*	03:50	*56m*	04:46	*43m*	05:29	*15h 57m*	21:27	*43m*	22:11	*55m*	23:07	*1h 33m*	00:40*	*8h 02m*	*1h 36m*				Di, 2. Jul
Mi, 3. Jul	MESZ	00:38* – 02:19*	*1h 41m*	AN_+ *bis* AN_-		02:43	19:44	02:17	*1h 33m*	03:51	*55m*	04:46	*43m*	05:30	*15h 56m*	21:27	*43m*	22:10	*55m*	23:06	*1h 32m*	00:38*	*8h 03m*	*1h 41m*				Mi, 3. Jul
Do, 4. Jul	MESZ	00:36* – 02:22*	*1h 46m*	AN_+ *bis* AN_-		03:23	20:53	02:19	*1h 32m*	03:52	*55m*	04:47	*43m*	05:31	*15h 55m*	21:26	*43m*	22:10	*55m*	23:05	*1h 30m*	00:36*	*8h 05m*	*1h 46m*				Do, 4. Jul
Fr, 5. Jul	MESZ	00:33* – 02:25*	*1h 51m*	AN_+ *bis* AN_-		04:17	21:47	02:22	*1h 30m*	03:53	*55m*	04:48	*43m*	05:31	*15h 54m*	21:26	*43m*	22:09	*55m*	23:04	*1h 29m*	00:33*	*8h 06m*	*1h 51m*				Fr, 5. Jul
Sa, 6. Jul	MESZ	00:31* – 02:28*	*1h 56m*	AN_+ *bis* AN_-	●	05:22	22:28	02:25	*1h 29m*	03:54	*55m*	04:49	*43m*	05:32	*15h 53m*	21:26	*43m*	22:09	*54m*	23:04	*1h 27m*	00:31*	*8h 07m*	*1h 56m*				Sa, 6. Jul
So, 7. Jul	MESZ	00:29* – 02:30*	*2h 01m*	AN_+ *bis* AN_-		06:34	22:57	02:28	*1h 27m*	03:55	*54m*	04:50	*43m*	05:33	*15h 51m*	21:25	*42m*	22:08	*54m*	23:03	*1h 25m*	00:29*	*8h 08m*	*2h 01m*				So, 7. Jul
Mo, 8. Jul	MESZ	00:26* – 02:33*	*2h 07m*	AN_+ *bis* AN_-		07:48	23:20	02:30	*1h 25m*	03:56	*54m*	04:51	*42m*	05:34	*15h 50m*	21:24	*42m*	22:07	*54m*	23:02	*1h 24m*	00:26*	*8h 10m*	*2h 07m*				Mo, 8. Jul
Di, 9. Jul	MESZ	00:24* – 02:36*	*2h 12m*	AN_+ *bis* AN_-		09:00	23:37	02:33	*1h 24m*	03:58	*54m*	04:52	*42m*	05:35	*15h 49m*	21:24	*42m*	22:07	*54m*	23:01	*1h 22m*	00:24*	*8h 11m*	*2h 12m*				Di, 9. Jul
Mi, 10. Jul	MESZ	00:21* – 02:39*	*2h 17m*	AN_+ *bis* AN_-		10:09	23:52	02:36	*1h 22m*	03:59	*54m*	04:53	*42m*	05:36	*15h 47m*	21:23	*42m*	22:06	*53m*	22:59	*1h 21m*	00:21*	*8h 13m*	*2h 17m*				Mi, 10. Jul
Do, 11. Jul	MESZ	00:18* – 02:42*	*2h 23m*	AN_+ *bis* AN_-		11:16	—:—	02:39	*1h 21m*	04:00	*53m*	04:54	*42m*	05:37	*15h 46m*	21:23	*42m*	22:05	*53m*	22:58	*1h 20m*	00:18*	*8h 14m*	*2h 23m*				Do, 11. Jul
Fr, 12. Jul	MESZ	00:18* – 02:45*	*2h 26m*	$M_↘$ *bis* AN_-		12:22	00:05	02:42	*1h 20m*	04:02	*53m*	04:55	*42m*	05:38	*15h 44m*	21:22	*42m*	22:04	*53m*	22:57	*1h 18m*	00:16*	*8h 16m*	*2h 28m*				Fr, 12. Jul
Sa, 13. Jul	MESZ	00:31* – 02:47*	*2h 16m*	$M_↘$ *bis* AN_-		13:28	00:18	02:45	*1h 18m*	04:03	*53m*	04:56	*42m*	05:38	*15h 42m*	21:21	*42m*	22:03	*52m*	22:56	*1h 17m*	00:13*	*8h 18m*	*2h 34m*				Sa, 13. Jul
So, 14. Jul	MESZ	00:47* – 02:50*	*2h 03m*	$M_↘$ *bis* AN_-	◐	14:35	00:31	02:47	*1h 17m*	04:05	*52m*	04:57	*42m*	05:39	*15h 40m*	21:20	*41m*	22:02	*52m*	22:55	*1h 15m*	00:10*	*8h 20m*	*2h 39m*				So, 14. Jul
Mo, 15. Jul	MESZ	01:05* – 02:53*	*1h 47m*	$M_↘$ *bis* AN_-		15:45	00:47	02:50	*1h 15m*	04:06	*52m*	04:59	*41m*	05:41	*15h 38m*	21:19	*41m*	22:01	*52m*	22:53	*1h 14m*	00:08*	*8h 22m*	*2h 45m*				Mo, 15. Jul
Di, 16. Jul	MESZ	01:30* – 02:56*	*1h 26m*	$M_↘$ *bis* AN_-		16:58	01:05	02:53	*1h 14m*	04:08	*52m*	05:00	*41m*	05:42	*15h 37m*	21:19	*41m*	22:00	*51m*	22:52	*1h 13m*	00:05*	*8h 24m*	*2h 50m*				Di, 16. Jul
Mi, 17. Jul	MESZ	02:03* – 02:59*	*56m*	$M_↘$ *bis* AN_-		18:12	01:30	02:56	*1h 13m*	04:09	*51m*	05:01	*41m*	05:43	*15h 35m*	21:18	*41m*	21:59	*51m*	22:50	*1h 12m*	00:02*	*8h 26m*	*2h 56m*				Mi, 17. Jul
Do, 18. Jul	MESZ	02:49* – 03:02*	*12m*	$M_↘$ *bis* AN_-		19:24	02:03	02:59	*1h 12m*	04:11	*51m*	05:02	*41m*	05:44	*15h 32m*	21:17	*41m*	21:58	*50m*	22:49	*1h 10m*	00:00*	*8h 28m*	*3h 01m*				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		20:26	02:49	03:02	*1h 10m*	04:13	*50m*	05:04	*41m*	05:45	*15h 30m*	21:16	*41m*	21:57	*50m*	22:47	*1h 09m*	23:57	*8h 30m*	*3h 07m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:——:—	–	Mond stört		21:16	03:51	03:05	*1h 09m*	04:14	*50m*	05:05	*41m*	05:46	*15h 28m*	21:15	*40m*	21:56	*50m*	22:46	*1h 08m*	23:54	*8h 32m*	*3h 13m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:——:—	–	Mond stört	○	21:54	05:07	03:07	*1h 08m*	04:16	*50m*	05:06	*40m*	05:47	*15h 26m*	21:14	*40m*	21:54	*49m*	22:44	*1h 07m*	23:52	*8h 34m*	*3h 18m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:——:—	–	Mond stört		22:22	06:31	03:10	*1h 07m*	04:18	*49m*	05:08	*40m*	05:48	*15h 24m*	21:12	*40m*	21:53	*49m*	22:43	*1h 06m*	23:49	*8h 36m*	*3h 24m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:——:—	–	Mond stört		22:43	07:58	03:13	*1h 06m*	04:19	*49m*	05:09	*40m*	05:49	*15h 21m*	21:11	*40m*	21:52	*49m*	22:41	*1h 05m*	23:46	*8h 39m*	*3h 29m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:——:—	–	Mond stört		23:02	09:23	03:16	*1h 05m*	04:21	*49m*	05:10	*40m*	05:51	*15h 19m*	21:10	*40m*	21:50	*48m*	22:39	*1h 04m*	23:43	*8h 41m*	*3h 35m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:——:—	–	Mond stört		23:18	10:47	03:18	*1h 04m*	04:23	*48m*	05:12	*40m*	05:52	*15h 17m*	21:09	*39m*	21:49	*48m*	22:37	*1h 03m*	23:41	*8h 44m*	*3h 40m*				Do, 25. Jul
Fr, 26. Jul	MESZ	—:——:—	–	Mond stört		23:35	12:09	03:21	*1h 03m*	04:25	*48m*	05:13	*39m*	05:53	*15h 14m*	21:08	*39m*	21:47	*48m*	22:36	*1h 02m*	23:38	*8h 46m*	*3h 45m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	23:35 – 23:54	*18m*	AN$_+$ *bis* M↗		23:54	13:30	03:24	*1h 02m*	04:26	*48m*	05:14	*39m*	05:54	*15h 12m*	21:06	*39m*	21:46	*47m*	22:34	*1h 01m*	23:35	*8h 49m*	*3h 51m*				Sa, 27. Jul
So, 28. Jul	MESZ	23:33 – 00:15*	*42m*	AN$_+$ *bis* M↗	◑	—:—	14:53	03:27	*1h 01m*	04:28	*47m*	05:16	*39m*	05:55	*15h 09m*	21:05	*39m*	21:45	*47m*	22:32	*1h 00m*	23:33	*8h 51m*	*3h 56m*				So, 28. Jul
Mo, 29. Jul	MESZ	23:30 – 00:43*	*1h 13m*	AN$_+$ *bis* M↗		00:15	16:15	03:29	*1h 00m*	04:30	*47m*	05:17	*39m*	05:57	*15h 07m*	21:04	*39m*	21:43	*47m*	22:30	*59m*	23:30	*8h 54m*	*4h 02m*				Mo, 29. Jul
Di, 30. Jul	MESZ	23:27 – 01:20*	*1h 53m*	AN$_+$ *bis* M↗		00:43	17:34	03:32	*59m*	04:32	*47m*	05:19	*39m*	05:58	*15h 04m*	21:02	*39m*	21:41	*46m*	22:28	*58m*	23:27	*8h 56m*	*4h 07m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:24 – 02:09*	*2h 44m*	AN$_+$ *bis* M↗		01:20	18:44	03:35	*58m*	04:34	*46m*	05:20	*39m*	05:59	*15h 01m*	21:01	*38m*	21:40	*46m*	22:26	*58m*	23:24	*8h 59m*	*4h 12m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:22 – 03:10*	*3h 47m*	AN$_+$ *bis* M↗		02:09	19:43	03:37	*58m*	04:35	*46m*	05:22	*38m*	06:01	*14h 59m*	21:00	*38m*	21:38	*46m*	22:24	*57m*	23:22	*9h 02m*	*4h 18m*				Do, 1. Aug
Fr, 2. Aug	MESZ	23:19 – 03:42*	*4h 23m*	AN$_+$ *bis* AN$_-$		03:10	20:27	03:40	*57m*	04:37	*46m*	05:23	*38m*	06:02	*14h 56m*	20:58	*38m*	21:37	*45m*	22:22	*56m*	23:19	*9h 04m*	*4h 23m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	23:16 – 03:45*	*4h 28m*	AN$_+$ *bis* AN$_-$		04:19	20:59	03:42	*56m*	04:39	*45m*	05:25	*38m*	06:03	*14h 53m*	20:57	*38m*	21:35	*45m*	22:20	*55m*	23:16	*9h 07m*	*4h 28m*				Sa, 3. Aug
So, 4. Aug	MESZ	23:13 – 03:48*	*4h 34m*	AN$_+$ *bis* AN$_-$	●	05:32	21:24	03:45	*55m*	04:41	*45m*	05:26	*38m*	06:05	*14h 50m*	20:55	*38m*	21:33	*45m*	22:18	*55m*	23:13	*9h 10m*	*4h 34m*				So, 4. Aug
Mo, 5. Aug	MESZ	23:11 – 03:50*	*4h 39m*	AN$_+$ *bis* AN$_-$		06:45	21:42	03:48	*55m*	04:43	*45m*	05:28	*38m*	06:06	*14h 47m*	20:54	*37m*	21:32	*44m*	22:16	*54m*	23:11	*9h 13m*	*4h 39m*				Mo, 5. Aug
Di, 6. Aug	MESZ	23:08 – 03:53*	*4h 44m*	AN$_+$ *bis* AN$_-$		07:55	21:58	03:50	*54m*	04:44	*44m*	05:29	*37m*	06:07	*14h 44m*	20:52	*37m*	21:30	*44m*	22:14	*53m*	23:08	*9h 16m*	*4h 44m*				Di, 6. Aug
Mi, 7. Aug	MESZ	23:05 – 03:55*	*4h 49m*	AN$_+$ *bis* AN$_-$		09:03	22:11	03:53	*53m*	04:46	*44m*	05:31	*37m*	06:08	*14h 42m*	20:51	*37m*	21:28	*44m*	22:12	*53m*	23:05	*9h 19m*	*4h 49m*				Mi, 7. Aug
Do, 8. Aug	MESZ	23:03 – 03:57*	*4h 54m*	AN$_+$ *bis* AN$_-$		10:10	22:24	03:55	*53m*	04:48	*44m*	05:32	*37m*	06:10	*14h 39m*	20:49	*37m*	21:26	*43m*	22:10	*52m*	23:03	*9h 22m*	*4h 54m*				Do, 8. Aug
Fr, 9. Aug	MESZ	23:00 – 04:00*	*5h 00m*	AN$_+$ *bis* AN$_-$		11:15	22:37	03:57	*52m*	04:50	*43m*	05:34	*37m*	06:11	*14h 36m*	20:47	*37m*	21:25	*43m*	22:08	*51m*	23:00	*9h 25m*	*5h 00m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	22:57 – 04:02*	*5h 05m*	AN$_+$ *bis* AN$_-$		12:22	22:51	04:00	*51m*	04:52	*43m*	05:35	*37m*	06:12	*14h 33m*	20:46	*37m*	21:23	*43m*	22:06	*51m*	22:57	*9h 28m*	*5h 05m*				Sa, 10. Aug
So, 11. Aug	MESZ	23:08 – 04:05*	*4h 56m*	M↘ *bis* AN$_-$		13:30	23:08	04:02	*51m*	04:53	*43m*	05:37	*37m*	06:14	*14h 30m*	20:44	*36m*	21:21	*42m*	22:04	*50m*	22:54	*9h 31m*	*5h 10m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:29 – 04:07*	*4h 37m*	M↘ *bis* AN$_-$	◐	14:41	23:29	04:05	*50m*	04:55	*42m*	05:38	*36m*	06:15	*14h 27m*	20:42	*36m*	21:19	*42m*	22:02	*50m*	22:52	*9h 34m*	*5h 15m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:57 – 04:09*	*4h 11m*	M↘ *bis* AN$_-$		15:53	23:57	04:07	*50m*	04:57	*42m*	05:40	*36m*	06:17	*14h 24m*	20:41	*36m*	21:17	*42m*	22:00	*49m*	22:49	*9h 37m*	*5h 20m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:36* – 04:12*	*3h 35m*	M↘ *bis* AN$_-$		17:05	—:—	04:09	*49m*	04:59	*42m*	05:41	*36m*	06:18	*14h 20m*	20:39	*36m*	21:15	*42m*	21:57	*48m*	22:46	*9h 40m*	*5h 25m*				Mi, 14. Aug
Do, 15. Aug	MESZ	01:30* – 04:14*	*2h 44m*	M↘ *bis* AN$_-$		18:11	00:36	04:12	*48m*	05:01	*42m*	05:43	*36m*	06:19	*14h 17m*	20:37	*36m*	21:13	*41m*	21:55	*48m*	22:44	*9h 43m*	*5h 30m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:39* – 04:16*	*1h 37m*	M↘ *bis* AN$_-$		19:06	01:30	04:14	*48m*	05:02	*41m*	05:44	*36m*	06:21	*14h 14m*	20:35	*36m*	21:11	*41m*	21:53	*47m*	22:41	*9h 46m*	*5h 35m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	04:00* – 04:18*	*18m*	M↘ *bis* AN$_-$		19:49	02:39	04:16	*47m*	05:04	*41m*	05:46	*36m*	06:22	*14h 11m*	20:34	*35m*	21:09	*41m*	21:51	*47m*	22:38	*9h 49m*	*5h 40m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:——:—	–	Mond stört		20:21	04:00	04:18	*47m*	05:06	*41m*	05:47	*35m*	06:23	*14h 08m*	20:32	*35m*	21:08	*41m*	21:49	*47m*	22:36	*9h 52m*	*5h 45m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:——:—	–	Mond stört	○	20:45	05:28	04:21	*47m*	05:08	*41m*	05:49	*35m*	06:25	*14h 05m*	20:30	*35m*	21:06	*40m*	21:46	*46m*	22:33	*9h 56m*	*5h 49m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:——:—	–	Mond stört		21:05	06:56	04:23	*46m*	05:09	*40m*	05:50	*35m*	06:26	*14h 01m*	20:28	*35m*	21:04	*40m*	21:44	*46m*	22:30	*9h 59m*	*5h 54m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:——:—	–	Mond stört		21:23	08:23	04:25	*46m*	05:11	*40m*	05:52	*35m*	06:27	*13h 58m*	20:26	*35m*	21:02	*40m*	21:42	*45m*	22:28	*10h 02m*	*5h 59m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:——:—	–	Mond stört		21:40	09:48	04:27	*45m*	05:13	*40m*	05:53	*35m*	06:29	*13h 55m*	20:24	*35m*	21:00	*40m*	21:40	*45m*	22:25	*10h 05m*	*6h 04m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:——:—	–	Mond stört		21:58	11:13	04:29	*45m*	05:15	*40m*	05:55	*35m*	06:30	*13h 52m*	20:22	*35m*	20:58	*39m*	21:37	*44m*	22:22	*10h 09m*	*6h 09m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	—:——:—	–	Mond stört		22:19	12:38	04:31	*44m*	05:16	*39m*	05:56	*35m*	06:31	*13h 49m*	20:20	*35m*	20:56	*39m*	21:35	*44m*	22:20	*10h 12m*	*6h 13m*				Sa, 24. Aug
So, 25. Aug	MESZ	22:17 – 22:45	*28m*	AN$_+$ *bis* M↗		22:45	14:02	04:34	*44m*	05:18	*39m*	05:58	*35m*	06:33	*13h 45m*	20:19	*34m*	20:53	*39m*	21:33	*44m*	22:17	*10h 15m*	*6h 18m*				So, 25. Aug
Mo, 26. Aug	MESZ	22:15 – 23:19	*1h 04m*	AN$_+$ *bis* M↗	◑	23:19	15:24	04:36	*44m*	05:20	*39m*	05:59	*34m*	06:34	*13h 42m*	20:17	*34m*	20:51	*39m*	21:31	*43m*	22:15	*10h 18m*	*6h 23m*				Mo, 26. Aug
Di, 27. Aug	MESZ	22:12 – 00:04*	*1h 52m*	AN$_+$ *bis* M↗		—:—	16:38	04:38	*43m*	05:21	*39m*	06:01	*34m*	06:36	*13h 39m*	20:15	*34m*	20:49	*39m*	21:28	*43m*	22:12	*10h 22m*	*6h 27m*				Di, 27. Aug
Mi, 28. Aug	MESZ	22:09 – 01:01*	*2h 52m*	AN$_+$ *bis* M↗		00:04	17:40	04:40	*43m*	05:23	*39m*	06:02	*34m*	06:37	*13h 35m*	20:13	*34m*	20:47	*38m*	21:26	*43m*	22:09	*10h 25m*	*6h 32m*				Mi, 28. Aug
Do, 29. Aug	MESZ	22:07 – 02:08*	*4h 01m*	AN$_+$ *bis* M↗		01:01	18:28	04:42	*43m*	05:25	*38m*	06:04	*34m*	06:38	*13h 32m*	20:11	*34m*	20:45	*38m*	21:24	*42m*	22:07	*10h 28m*	*6h 36m*				Do, 29. Aug
Fr, 30. Aug	MESZ	22:04 – 03:20*	*5h 16m*	AN$_+$ *bis* M↗		02:08	19:03	04:44	*42m*	05:26	*38m*	06:05	*34m*	06:40	*13h 29m*	20:09	*34m*	20:43	*38m*	21:22	*42m*	22:04	*10h 32m*	*6h 41m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	22:02 – 04:33*	*6h 31m*	AN$_+$ *bis* M↗		03:20	19:29	04:46	*42m*	05:28	*38m*	06:07	*34m*	06:41	*13h 25m*	20:07	*34m*	20:41	*38m*	21:19	*42m*	22:02	*10h 35m*	*6h 45m*				Sa, 31. Aug
So, 1. Sep	MESZ	21:59 – 04:49*	*6h 50m*	AN$_+$ *bis* AN$_-$		04:33	19:49	04:48	*42m*	05:30	*38m*	06:08	*34m*	06:42	*13h 22m*	20:05	*34m*	20:39	*38m*	21:17	*41m*	21:59	*10h 38m*	*6h 50m*				So, 1. Sep
Mo, 2. Sep	MESZ	21:56 – 04:51*	*6h 54m*	AN$_+$ *bis* AN$_-$		05:44	20:05	04:49	*41m*	05:31	*38m*	06:10	*34m*	06:44	*13h 19m*	20:03	*34m*	20:37	*38m*	21:15	*41m*	21:56	*10h 42m*	*6h 54m*				Mo, 2. Sep
Di, 3. Sep	MESZ	21:54 – 04:53*	*6h 59m*	AN$_+$ *bis* AN$_-$	●	06:52	20:19	04:51	*41m*	05:33	*38m*	06:11	*34m*	06:45	*13h 15m*	20:01	*33m*	20:35	*37m*	21:13	*41m*	21:54	*10h 45m*	*6h 59m*				Di, 3. Sep
Mi, 4. Sep	MESZ	21:51 – 04:55*	*7h 03m*	AN$_+$ *bis* AN$_-$		07:59	20:32	04:53	*41m*	05:35	*37m*	06:12	*33m*	06:46	*13h 12m*	19:59	*33m*	20:33	*37m*	21:10	*41m*	21:51	*10h 49m*	*7h 03m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:49 – 04:57*	*7h 08m*	AN$_+$ *bis* AN$_-$		09:05	20:44	04:55	*41m*	05:36	*37m*	06:14	*33m*	06:48	*13h 08m*	19:57	*33m*	20:31	*37m*	21:08	*40m*	21:49	*10h 52m*	*7h 08m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:46 – 04:59*	*7h 12m*	AN$_+$ *bis* AN$_-$		10:11	20:58	04:57	*40m*	05:38	*37m*	06:15	*33m*	06:49	*13h 05m*	19:55	*33m*	20:28	*37m*	21:06	*40m*	21:46	*10h 55m*	*7h 12m*				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	21:44 – 05:01*	*7h 16m*	AN_+ *bis* AN_-		11:18	21:13	04:59	*40m*	05:39	*37m*	06:17	*33m*	06:51	*13h 02m*	19:53	*33m*	20:26	*37m*	21:04	*40m*	21:44	*10h 59m*	*7h 16m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:41 – 05:02*	*7h 21m*	AN_+ *bis* AN_-		12:28	21:32	05:01	*40m*	05:41	*37m*	06:18	*33m*	06:52	*12h 58m*	19:51	*33m*	20:24	*37m*	21:01	*40m*	21:41	*11h 02m*	*7h 21m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:57 – 05:04*	*7h 07m*	$M_↘$ *bis* AN_-		13:39	21:57	05:02	*40m*	05:43	*37m*	06:20	*33m*	06:53	*12h 55m*	19:49	*33m*	20:22	*37m*	20:59	*39m*	21:39	*11h 06m*	*7h 25m*				Mo, 9. Sep
Di, 10. Sep	MESZ	22:30 – 05:06*	*6h 35m*	$M_↘$ *bis* AN_-		14:50	22:30	05:04	*39m*	05:44	*37m*	06:21	*33m*	06:55	*12h 51m*	19:47	*33m*	20:20	*36m*	20:57	*39m*	21:36	*11h 09m*	*7h 29m*				Di, 10. Sep
Mi, 11. Sep	MESZ	23:16 – 05:08*	*5h 51m*	$M_↘$ *bis* AN_-	◐	15:57	23:16	05:06	*39m*	05:46	*36m*	06:23	*33m*	06:56	*12h 48m*	19:44	*33m*	20:18	*36m*	20:55	*39m*	21:34	*11h 12m*	*7h 33m*				Mi, 11. Sep
Do, 12. Sep	MESZ	00:17* – 05:09*	*4h 52m*	$M_↘$ *bis* AN_-		16:55	—:—	05:08	*39m*	05:47	*36m*	06:24	*33m*	06:57	*12h 45m*	19:42	*33m*	20:16	*36m*	20:52	*39m*	21:32	*11h 16m*	*7h 37m*				Do, 12. Sep
Fr, 13. Sep	MESZ	01:31* – 05:11*	*3h 40m*	$M_↘$ *bis* AN_-		17:42	00:17	05:09	*39m*	05:49	*36m*	06:25	*33m*	06:59	*12h 41m*	19:40	*33m*	20:14	*36m*	20:50	*39m*	21:29	*11h 19m*	*7h 42m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:54* – 05:13*	*2h 18m*	$M_↘$ *bis* AN_-		18:18	01:31	05:11	*39m*	05:50	*36m*	06:27	*33m*	07:00	*12h 38m*	19:38	*33m*	20:11	*36m*	20:48	*38m*	21:27	*11h 23m*	*7h 46m*				Sa, 14. Sep
So, 15. Sep	MESZ	04:22* – 05:15*	*52m*	$M_↘$ *bis* AN_-		18:45	02:54	05:13	*38m*	05:52	*36m*	06:28	*33m*	07:01	*12h 34m*	19:36	*33m*	20:09	*36m*	20:46	*38m*	21:24	*11h 26m*	*7h 50m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		19:07	04:22	05:15	*38m*	05:53	*36m*	06:30	*33m*	07:03	*12h 31m*	19:34	*33m*	20:07	*36m*	20:43	*38m*	21:22	*11h 30m*	*7h 54m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:26	05:49	05:16	*38m*	05:55	*36m*	06:31	*33m*	07:04	*12h 27m*	19:32	*33m*	20:05	*36m*	20:41	*38m*	21:19	*11h 33m*	*7h 58m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:43	07:17	05:18	*38m*	05:56	*36m*	06:32	*33m*	07:06	*12h 24m*	19:30	*32m*	20:03	*36m*	20:39	*38m*	21:17	*11h 36m*	*8h 02m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		20:01	08:44	05:20	*38m*	05:58	*36m*	06:34	*33m*	07:07	*12h 20m*	19:28	*32m*	20:01	*35m*	20:37	*37m*	21:15	*11h 40m*	*8h 06m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		20:21	10:12	05:21	*38m*	05:59	*36m*	06:35	*33m*	07:08	*12h 17m*	19:26	*32m*	19:59	*35m*	20:35	*37m*	21:12	*11h 43m*	*8h 10m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:46	11:40	05:23	*37m*	06:01	*35m*	06:37	*32m*	07:10	*12h 14m*	19:24	*32m*	19:57	*35m*	20:32	*37m*	21:10	*11h 47m*	*8h 14m*				Sa, 21. Sep
So, 22. Sep	MESZ	21:08 – 21:17	*9m*	AN_+ *bis* $M_↗$		21:17	13:06	05:24	*37m*	06:02	*35m*	06:38	*32m*	07:11	*12h 10m*	19:22	*32m*	19:54	*35m*	20:30	*37m*	21:08	*11h 50m*	*8h 18m*				So, 22. Sep
Mo, 23. Sep	MESZ	21:06 – 21:59	*53m*	AN_+ *bis* $M_↗$		21:59	14:26	05:26	*37m*	06:04	*35m*	06:39	*32m*	07:12	*12h 07m*	19:20	*32m*	19:52	*35m*	20:28	*37m*	21:06	*11h 54m*	*8h 22m*				Mo, 23. Sep
Di, 24. Sep	MESZ	21:03 – 22:54	*1h 50m*	AN_+ *bis* $M_↗$	◑	22:54	15:35	05:28	*37m*	06:05	*35m*	06:41	*32m*	07:14	*12h 03m*	19:17	*32m*	19:50	*35m*	20:26	*37m*	21:03	*11h 57m*	*8h 25m*				Di, 24. Sep
Mi, 25. Sep	MESZ	21:01 – 23:59	*2h 57m*	AN_+ *bis* $M_↗$		23:59	16:27	05:29	*37m*	06:07	*35m*	06:42	*32m*	07:15	*12h 00m*	19:15	*32m*	19:48	*35m*	20:24	*37m*	21:01	*12h 01m*	*8h 29m*				Mi, 25. Sep
Do, 26. Sep	MESZ	20:59 – 01:10*	*4h 11m*	AN_+ *bis* $M_↗$		—:—	17:06	05:31	*37m*	06:08	*35m*	06:44	*32m*	07:17	*11h 56m*	19:13	*32m*	19:46	*35m*	20:22	*37m*	20:59	*12h 04m*	*8h 33m*				Do, 26. Sep
Fr, 27. Sep	MESZ	20:56 – 02:23*	*5h 26m*	AN_+ *bis* $M_↗$		01:10	17:35	05:32	*37m*	06:10	*35m*	06:45	*32m*	07:18	*11h 53m*	19:11	*32m*	19:44	*35m*	20:20	*36m*	20:56	*12h 08m*	*8h 37m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:54 – 03:34*	*6h 39m*	AN_+ *bis* $M_↗$		02:23	17:56	05:34	*37m*	06:11	*35m*	06:46	*32m*	07:19	*11h 49m*	19:09	*32m*	19:42	*35m*	20:17	*36m*	20:54	*12h 11m*	*8h 41m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:52 – 04:43*	*7h 50m*	AN_+ *bis* $M_↗$		03:34	18:13	05:35	*36m*	06:12	*35m*	06:48	*32m*	07:21	*11h 46m*	19:07	*32m*	19:40	*35m*	20:15	*36m*	20:52	*12h 14m*	*8h 44m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:50 – 05:39*	*8h 48m*	AN_+ *bis* AN_-		04:43	18:27	05:37	*36m*	06:14	*35m*	06:49	*32m*	07:22	*11h 42m*	19:05	*32m*	19:38	*35m*	20:13	*36m*	20:50	*12h 18m*	*8h 48m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:48 – 05:40*	*8h 52m*	AN_+ *bis* AN_-		05:50	18:40	05:39	*36m*	06:15	*35m*	06:51	*32m*	07:24	*11h 39m*	19:03	*32m*	19:36	*35m*	20:11	*36m*	20:48	*12h 21m*	*8h 52m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:46 – 05:42*	*8h 55m*	AN_+ *bis* AN_-	●	06:56	18:53	05:40	*36m*	06:17	*35m*	06:52	*32m*	07:25	*11h 36m*	19:01	*32m*	19:34	*35m*	20:09	*36m*	20:46	*12h 25m*	*8h 55m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:44 – 05:43*	*8h 59m*	AN_+ *bis* AN_-		08:02	19:06	05:42	*36m*	06:18	*35m*	06:53	*32m*	07:26	*11h 32m*	18:59	*32m*	19:32	*35m*	20:07	*36m*	20:44	*12h 28m*	*8h 59m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:41 – 05:45*	*9h 03m*	AN_+ *bis* AN_-		09:09	19:20	05:43	*36m*	06:20	*35m*	06:55	*32m*	07:28	*11h 29m*	18:57	*32m*	19:30	*35m*	20:05	*36m*	20:41	*12h 32m*	*9h 03m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:39 – 05:46*	*9h 06m*	AN_+ *bis* AN_-		10:17	19:38	05:45	*36m*	06:21	*35m*	06:56	*32m*	07:29	*11h 25m*	18:55	*32m*	19:28	*35m*	20:03	*36m*	20:39	*12h 35m*	*9h 06m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:37 – 05:48*	*9h 10m*	AN_+ *bis* AN_-		11:28	20:00	05:46	*36m*	06:22	*35m*	06:58	*32m*	07:31	*11h 22m*	18:53	*32m*	19:26	*35m*	20:01	*36m*	20:37	*12h 39m*	*9h 10m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:35 – 05:49*	*9h 13m*	AN_+ *bis* AN_-		12:39	20:30	05:48	*36m*	06:24	*35m*	06:59	*32m*	07:32	*11h 18m*	18:51	*32m*	19:24	*35m*	19:59	*36m*	20:35	*12h 42m*	*9h 13m*				Mo, 7. Okt
Di, 8. Okt	MESZ	21:11 – 05:50*	*8h 39m*	$M_↘$ *bis* AN_-		13:47	21:11	05:49	*36m*	06:25	*35m*	07:00	*33m*	07:33	*11h 15m*	18:49	*32m*	19:22	*35m*	19:57	*36m*	20:33	*12h 45m*	*9h 17m*				Di, 8. Okt
Mi, 9. Okt	MESZ	22:04 – 05:52*	*7h 47m*	$M_↘$ *bis* AN_-		14:48	22:04	05:50	*36m*	06:27	*35m*	07:02	*33m*	07:35	*11h 12m*	18:47	*32m*	19:20	*35m*	19:55	*36m*	20:31	*12h 49m*	*9h 20m*				Mi, 9. Okt
Do, 10. Okt	MESZ	23:11 – 05:53*	*6h 41m*	$M_↘$ *bis* AN_-	◐	15:37	23:11	05:52	*36m*	06:28	*35m*	07:03	*33m*	07:36	*11h 08m*	18:45	*33m*	19:18	*35m*	19:53	*36m*	20:29	*12h 52m*	*9h 24m*				Do, 10. Okt
Fr, 11. Okt	MESZ	00:29* – 05:55*	*5h 26m*	$M_↘$ *bis* AN_-		16:16	—:—	05:53	*36m*	06:29	*35m*	07:05	*33m*	07:38	*11h 05m*	18:43	*33m*	19:16	*35m*	19:51	*36m*	20:27	*12h 56m*	*9h 27m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:52* – 05:56*	*4h 04m*	$M_↘$ *bis* AN_-		16:46	00:29	05:55	*36m*	06:31	*35m*	07:06	*33m*	07:39	*11h 01m*	18:41	*33m*	19:14	*35m*	19:49	*35m*	20:25	*12h 59m*	*9h 30m*				Sa, 12. Okt
So, 13. Okt	MESZ	03:17* – 05:58*	*2h 40m*	$M_↘$ *bis* AN_-		17:09	01:52	05:56	*36m*	06:32	*35m*	07:08	*33m*	07:41	*10h 58m*	18:39	*33m*	19:12	*35m*	19:47	*35m*	20:23	*13h 03m*	*9h 34m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:42* – 05:59*	*1h 16m*	$M_↘$ *bis* AN_-		17:28	03:17	05:58	*36m*	06:34	*35m*	07:09	*33m*	07:42	*10h 55m*	18:37	*33m*	19:10	*35m*	19:46	*35m*	20:22	*13h 06m*	*9h 37m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:46	04:42	05:59	*36m*	06:35	*35m*	07:10	*33m*	07:44	*10h 51m*	18:35	*33m*	19:09	*35m*	19:44	*35m*	20:20	*13h 09m*	*9h 40m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		18:03	06:08	06:01	*35m*	06:37	*35m*	07:12	*33m*	07:45	*10h 48m*	18:33	*33m*	19:07	*35m*	19:42	*35m*	20:18	*13h 13m*	*9h 44m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:22	07:36	06:02	*35m*	06:38	*35m*	07:13	*33m*	07:47	*10h 44m*	18:32	*33m*	19:05	*35m*	19:40	*35m*	20:16	*13h 16m*	*9h 47m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:44	09:06	06:03	*35m*	06:39	*35m*	07:15	*33m*	07:48	*10h 41m*	18:30	*33m*	19:03	*35m*	19:38	*35m*	20:14	*13h 19m*	*9h 50m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		19:13	10:36	06:05	*35m*	06:41	*35m*	07:16	*33m*	07:50	*10h 38m*	18:28	*33m*	19:01	*35m*	19:37	*35m*	20:12	*13h 23m*	*9h 53m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:52	12:03	06:06	*35m*	06:42	*35m*	07:17	*33m*	07:51	*10h 34m*	18:26	*33m*	19:00	*35m*	19:35	*35m*	20:11	*13h 26m*	*9h 56m*				So, 20. Okt
Mo, 21. Okt	MESZ	20:09 – 20:42	*33m*	AN_+ *bis* $M_↗$		20:42	13:19	06:08	*35m*	06:43	*35m*	07:19	*33m*	07:53	*10h 31m*	18:24	*33m*	18:58	*35m*	19:33	*35m*	20:09	*13h 29m*	*9h 59m*				Mo, 21. Okt
Di, 22. Okt	MESZ	20:07 – 21:46	*1h 38m*	AN_+ *bis* $M_↗$		21:46	14:21	06:09	*35m*	06:45	*35m*	07:20	*33m*	07:54	*10h 28m*	18:22	*33m*	18:56	*35m*	19:32	*35m*	20:07	*13h 33m*	*10h 03m*				Di, 22. Okt
Mi, 23. Okt	MESZ	20:06 – 22:57	*2h 51m*	AN_+ *bis* $M_↗$		22:57	15:06	06:10	*35m*	06:46	*35m*	07:22	*33m*	07:56	*10h 25m*	18:21	*33m*	18:54	*35m*	19:30	*35m*	20:06	*13h 36m*	*10h 06m*				Mi, 23. Okt
Do, 24. Okt	MESZ	20:04 – 00:11*	*4h 06m*	AN_+ *bis* $M_↗$	◑	—:—	15:38	06:12	*35m*	06:48	*35m*	07:23	*33m*	07:57	*10h 21m*	18:19	*33m*	18:53	*35m*	19:28	*35m*	20:04	*13h 39m*	*10h 09m*				Do, 24. Okt
Fr, 25. Okt	MESZ	20:02 – 01:23*	*5h 20m*	AN_+ *bis* $M_↗$		00:11	16:02	06:13	*35m*	06:49	*35m*	07:25	*33m*	07:59	*10h 18m*	18:17	*33m*	18:51	*35m*	19:27	*35m*	20:02	*13h 42m*	*10h 12m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	20:01 – 02:33*	*6h 32m*	AN_+ *bis* $M_↗$		01:23	16:20	06:15	*35m*	06:50	*35m*	07:26	*34m*	08:00	*10h 15m*	18:15	*33m*	18:49	*35m*	19:25	*35m*	20:01	*13h 46m*	*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		18:59 – 02:41*	*7h 41m*	AN$_+$ *bis* M↗		01:33	15:35	05:16	*35m*	05:52	*35m*	06:28	*34m*	07:02	*10h 12m*	17:14	*34m*	17:48	*35m*	18:23	*35m*	18:59	*13h 49m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:58 – 03:47*	*8h 48m*	AN$_+$ *bis* M↗		02:41	15:48	05:17	*35m*	05:53	*35m*	06:29	*34m*	07:03	*10h 08m*	17:12	*34m*	17:46	*35m*	18:22	*35m*	18:58	*13h 52m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:56 – 04:52*	*9h 55m*	AN$_+$ *bis* M↗		03:47	16:01	05:19	*35m*	05:55	*35m*	06:30	*34m*	07:05	*10h 05m*	17:10	*34m*	17:45	*35m*	18:20	*35m*	18:56	*13h 55m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:55 – 05:21*	*10h 26m*	AN$_+$ *bis* AN$_-$		04:52	16:14	05:20	*35m*	05:56	*35m*	06:32	*34m*	07:06	*10h 02m*	17:09	*34m*	17:43	*35m*	18:19	*35m*	18:55	*13h 58m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:53 – 05:23*	*10h 29m*	AN$_+$ *bis* AN$_-$		05:59	16:28	05:21	*36m*	05:57	*35m*	06:33	*34m*	07:08	*9h 59m*	17:07	*34m*	17:42	*35m*	18:17	*35m*	18:53	*14h 02m*	*10h 29m*				Do, 31. Okt
Fr, 1. Nov		18:52 – 05:24*	*10h 32m*	AN$_+$ *bis* AN$_-$	●	07:07	16:45	05:23	*36m*	05:59	*35m*	06:35	*34m*	07:09	*9h 56m*	17:06	*34m*	17:40	*35m*	18:16	*35m*	18:52	*14h 05m*	*10h 32m*				Fr, 1. Nov
Sa, 2. Nov		18:51 – 05:25*	*10h 34m*	AN$_+$ *bis* AN$_-$		08:18	17:06	05:24	*36m*	06:00	*36m*	06:36	*34m*	07:11	*9h 53m*	17:04	*34m*	17:39	*35m*	18:15	*36m*	18:51	*14h 08m*	*10h 34m*				Sa, 2. Nov
So, 3. Nov		18:49 – 05:27*	*10h 37m*	AN$_+$ *bis* AN$_-$		09:29	17:33	05:25	*36m*	06:02	*36m*	06:38	*34m*	07:12	*9h 50m*	17:03	*34m*	17:37	*36m*	18:13	*36m*	18:49	*14h 11m*	*10h 37m*				So, 3. Nov
Mo, 4. Nov		18:48 – 05:28*	*10h 40m*	AN$_+$ *bis* AN$_-$		10:38	18:10	05:27	*36m*	06:03	*36m*	06:39	*34m*	07:14	*9h 47m*	17:01	*34m*	17:36	*36m*	18:12	*36m*	18:48	*14h 14m*	*10h 40m*				Mo, 4. Nov
Di, 5. Nov		19:00 – 05:29*	*10h 29m*	M↘ *bis* AN$_-$		11:42	19:00	05:28	*36m*	06:04	*36m*	06:41	*34m*	07:15	*9h 44m*	17:00	*34m*	17:34	*36m*	18:11	*36m*	18:47	*14h 17m*	*10h 42m*				Di, 5. Nov
Mi, 6. Nov		20:02 – 05:31*	*9h 28m*	M↘ *bis* AN$_-$		12:34	20:02	05:29	*36m*	06:06	*36m*	06:42	*35m*	07:17	*9h 41m*	16:58	*35m*	17:33	*36m*	18:09	*36m*	18:46	*14h 20m*	*10h 45m*				Mi, 6. Nov
Do, 7. Nov		21:15 – 05:32*	*8h 17m*	M↘ *bis* AN$_-$		13:16	21:15	05:31	*36m*	06:07	*36m*	06:43	*35m*	07:19	*9h 38m*	16:57	*35m*	17:32	*36m*	18:08	*36m*	18:44	*14h 23m*	*10h 47m*				Do, 7. Nov
Fr, 8. Nov		22:34 – 05:33*	*6h 59m*	M↘ *bis* AN$_-$		13:47	22:34	05:32	*36m*	06:08	*36m*	06:45	*35m*	07:20	*9h 35m*	16:55	*35m*	17:31	*36m*	18:07	*36m*	18:43	*14h 26m*	*10h 50m*				Fr, 8. Nov
Sa, 9. Nov		23:55 – 05:35*	*5h 39m*	M↘ *bis* AN$_-$	◐	14:12	23:55	05:33	*36m*	06:10	*36m*	06:46	*35m*	07:22	*9h 32m*	16:54	*35m*	17:29	*36m*	18:06	*36m*	18:42	*14h 29m*	*10h 52m*				Sa, 9. Nov
So, 10. Nov		01:17* – 05:36*	*4h 19m*	M↘ *bis* AN$_-$		14:32	—:—	05:35	*36m*	06:11	*36m*	06:48	*35m*	07:23	*9h 29m*	16:53	*35m*	17:28	*36m*	18:05	*36m*	18:41	*14h 31m*	*10h 55m*				So, 10. Nov
Mo, 11. Nov		02:39* – 05:37*	*2h 58m*	M↘ *bis* AN$_-$		14:49	01:17	05:36	*36m*	06:12	*36m*	06:49	*35m*	07:25	*9h 26m*	16:51	*35m*	17:27	*36m*	18:04	*36m*	18:40	*14h 34m*	*10h 57m*				Mo, 11. Nov
Di, 12. Nov		04:03* – 05:39*	*1h 35m*	M↘ *bis* AN$_-$		15:06	02:39	05:37	*36m*	06:14	*36m*	06:50	*35m*	07:26	*9h 23m*	16:50	*35m*	17:26	*36m*	18:02	*36m*	18:39	*14h 37m*	*10h 59m*				Di, 12. Nov
Mi, 13. Nov		05:30* – 05:40*	*10m*	M↘ *bis* AN$_-$		15:23	04:03	05:39	*36m*	06:15	*36m*	06:52	*35m*	07:28	*9h 21m*	16:49	*35m*	17:25	*36m*	18:01	*36m*	18:38	*14h 40m*	*11h 01m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:43	05:30	05:40	*36m*	06:16	*36m*	06:53	*35m*	07:29	*9h 18m*	16:48	*35m*	17:24	*36m*	18:00	*36m*	18:37	*14h 42m*	*11h 04m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	16:09	06:59	05:41	*36m*	06:18	*36m*	06:55	*36m*	07:31	*9h 15m*	16:47	*35m*	17:23	*36m*	17:59	*36m*	18:36	*14h 45m*	*11h 06m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:42	08:28	05:42	*36m*	06:19	*37m*	06:56	*36m*	07:32	*9h 13m*	16:45	*36m*	17:22	*37m*	17:59	*36m*	18:35	*14h 48m*	*11h 08m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		17:28	09:52	05:44	*36m*	06:20	*37m*	06:57	*36m*	07:34	*9h 10m*	16:44	*36m*	17:21	*37m*	17:58	*36m*	18:34	*14h 50m*	*11h 10m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		18:27	11:03	05:45	*36m*	06:22	*37m*	06:59	*36m*	07:35	*9h 08m*	16:43	*36m*	17:20	*37m*	17:57	*36m*	18:34	*14h 53m*	*11h 12m*				Mo, 18. Nov
Di, 19. Nov		18:33 – 19:37	*1h 04m*	AN$_+$ *bis* M↗		19:37	11:58	05:46	*36m*	06:23	*37m*	07:00	*36m*	07:37	*9h 05m*	16:42	*36m*	17:19	*37m*	17:56	*36m*	18:33	*14h 55m*	*11h 14m*				Di, 19. Nov
Mi, 20. Nov		18:32 – 20:53	*2h 20m*	AN$_+$ *bis* M↗		20:53	12:36	05:47	*36m*	06:24	*37m*	07:01	*36m*	07:38	*9h 03m*	16:41	*36m*	17:18	*37m*	17:55	*36m*	18:32	*14h 58m*	*11h 16m*				Mi, 20. Nov
Do, 21. Nov		18:31 – 22:08	*3h 36m*	AN$_+$ *bis* M↗		22:08	13:04	05:49	*36m*	06:25	*37m*	07:03	*36m*	07:39	*9h 00m*	16:40	*36m*	17:17	*37m*	17:55	*36m*	18:31	*15h 00m*	*11h 18m*				Do, 21. Nov
Fr, 22. Nov		18:31 – 23:20	*4h 49m*	AN$_+$ *bis* M↗		23:20	13:25	05:50	*36m*	06:27	*37m*	07:04	*36m*	07:41	*8h 58m*	16:40	*36m*	17:16	*37m*	17:54	*36m*	18:31	*15h 02m*	*11h 20m*				Fr, 22. Nov
Sa, 23. Nov		18:30 – 00:29*	*5h 59m*	AN$_+$ *bis* M↗	◑	—:—	13:41	05:51	*36m*	06:28	*37m*	07:05	*36m*	07:42	*8h 56m*	16:39	*36m*	17:16	*37m*	17:53	*36m*	18:30	*15h 04m*	*11h 21m*				Sa, 23. Nov
So, 24. Nov		18:30 – 01:36*	*7h 06m*	AN$_+$ *bis* M↗		00:29	13:55	05:52	*37m*	06:29	*37m*	07:07	*36m*	07:44	*8h 54m*	16:38	*36m*	17:15	*37m*	17:53	*36m*	18:30	*15h 07m*	*11h 23m*				So, 24. Nov
Mo, 25. Nov		18:29 – 02:41*	*8h 12m*	AN$_+$ *bis* M↗		01:36	14:08	05:53	*37m*	06:30	*37m*	07:08	*37m*	07:45	*8h 52m*	16:37	*37m*	17:14	*37m*	17:52	*37m*	18:29	*15h 09m*	*11h 25m*				Mo, 25. Nov
Di, 26. Nov		18:29 – 03:47*	*9h 18m*	AN$_+$ *bis* M↗		02:41	14:21	05:54	*37m*	06:31	*37m*	07:09	*37m*	07:46	*8h 50m*	16:36	*37m*	17:14	*37m*	17:51	*37m*	18:29	*15h 11m*	*11h 26m*				Di, 26. Nov
Mi, 27. Nov		18:28 – 04:55*	*10h 26m*	AN$_+$ *bis* M↗		03:47	14:34	05:55	*37m*	06:33	*37m*	07:10	*37m*	07:48	*8h 48m*	16:36	*37m*	17:13	*37m*	17:51	*37m*	18:28	*15h 13m*	*11h 28m*				Mi, 27. Nov
Do, 28. Nov		18:28 – 05:58*	*11h 29m*	AN$_+$ *bis* AN$_-$		04:55	14:50	05:57	*37m*	06:34	*37m*	07:12	*37m*	07:49	*8h 46m*	16:35	*37m*	17:13	*37m*	17:50	*37m*	18:28	*15h 15m*	*11h 29m*				Do, 28. Nov
Fr, 29. Nov		18:27 – 05:59*	*11h 31m*	AN$_+$ *bis* AN$_-$		06:05	15:10	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:50	*8h 44m*	16:35	*37m*	17:12	*37m*	17:50	*37m*	18:27	*15h 17m*	*11h 31m*				Fr, 29. Nov
Sa, 30. Nov		18:27 – 06:00*	*11h 32m*	AN$_+$ *bis* AN$_-$		07:16	15:35	05:59	*37m*	06:36	*38m*	07:14	*37m*	07:52	*8h 42m*	16:34	*37m*	17:12	*38m*	17:50	*37m*	18:27	*15h 18m*	*11h 32m*				Sa, 30. Nov
So, 1. Dez		18:27 – 06:01*	*11h 34m*	AN$_+$ *bis* AN$_-$	●	08:28	16:10	06:00	*37m*	06:37	*38m*	07:15	*37m*	07:53	*8h 40m*	16:34	*37m*	17:11	*38m*	17:49	*37m*	18:27	*15h 20m*	*11h 34m*				So, 1. Dez
Mo, 2. Dez		18:26 – 06:02*	*11h 35m*	AN$_+$ *bis* AN$_-$		09:34	16:56	06:01	*37m*	06:38	*38m*	07:16	*37m*	07:54	*8h 39m*	16:33	*37m*	17:11	*38m*	17:49	*37m*	18:26	*15h 22m*	*11h 35m*				Mo, 2. Dez
Di, 3. Dez		18:26 – 06:03*	*11h 36m*	AN$_+$ *bis* AN$_-$		10:31	17:55	06:02	*37m*	06:39	*38m*	07:17	*37m*	07:55	*8h 37m*	16:33	*37m*	17:11	*38m*	17:49	*37m*	18:26	*15h 23m*	*11h 36m*				Di, 3. Dez
Mi, 4. Dez		19:06 – 06:04*	*10h 57m*	M↘ *bis* AN$_-$		11:16	19:06	06:03	*37m*	06:40	*38m*	07:19	*37m*	07:56	*8h 35m*	16:32	*37m*	17:10	*38m*	17:49	*37m*	18:26	*15h 25m*	*11h 37m*				Mi, 4. Dez
Do, 5. Dez		20:23 – 06:05*	*9h 41m*	M↘ *bis* AN$_-$		11:50	20:23	06:04	*37m*	06:41	*38m*	07:20	*37m*	07:58	*8h 34m*	16:32	*37m*	17:10	*38m*	17:48	*37m*	18:26	*15h 26m*	*11h 38m*				Do, 5. Dez
Fr, 6. Dez		21:43 – 06:06*	*8h 22m*	M↘ *bis* AN$_-$		12:16	21:43	06:05	*37m*	06:42	*38m*	07:21	*38m*	07:59	*8h 33m*	16:32	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 27m*	*11h 39m*				Fr, 6. Dez
Sa, 7. Dez		23:03 – 06:07*	*7h 03m*	M↘ *bis* AN$_-$		12:37	23:03	06:06	*37m*	06:43	*38m*	07:22	*38m*	08:00	*8h 31m*	16:32	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 29m*	*11h 40m*				Sa, 7. Dez
So, 8. Dez		00:23* – 06:07*	*5h 44m*	M↘ *bis* AN$_-$	◐	12:54	—:—	06:07	*37m*	06:44	*38m*	07:23	*38m*	08:01	*8h 30m*	16:32	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 30m*	*11h 41m*				So, 8. Dez
Mo, 9. Dez		01:43* – 06:08*	*4h 25m*	M↘ *bis* AN$_-$		13:10	00:23	06:07	*37m*	06:45	*38m*	07:24	*38m*	08:02	*8h 29m*	16:31	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 31m*	*11h 42m*				Mo, 9. Dez
Di, 10. Dez		03:05* – 06:09*	*3h 04m*	M↘ *bis* AN$_-$		13:27	01:43	06:08	*37m*	06:46	*38m*	07:25	*38m*	08:03	*8h 28m*	16:31	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 32m*	*11h 43m*				Di, 10. Dez
Mi, 11. Dez		04:30* – 06:10*	*1h 40m*	M↘ *bis* AN$_-$		13:45	03:05	06:09	*37m*	06:47	*38m*	07:25	*38m*	08:04	*8h 27m*	16:31	*38m*	17:10	*38m*	17:48	*37m*	18:26	*15h 33m*	*11h 43m*				Mi, 11. Dez
Do, 12. Dez		05:57* – 06:11*	*13m*	M↘ *bis* AN$_-$		14:07	04:30	06:10	*37m*	06:48	*38m*	07:26	*38m*	08:05	*8h 26m*	16:31	*38m*	17:10	*38m*	17:49	*37m*	18:26	*15h 34m*	*11h 44m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:36	05:57	06:11	*37m*	06:48	*38m*	07:27	*38m*	08:06	*8h 26m*	16:32	*38m*	17:10	*38m*	17:49	*37m*	18:26	*15h 34m*	*11h 44m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		15:15	07:23	06:11	*37m*	06:49	*38m*	07:28	*38m*	08:06	*8h 25m*	16:32	*38m*	17:10	*38m*	17:49	*37m*	18:27	*15h 35m*	*11h 45m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	16:07	08:40	06:12	*37m*	06:50	*38m*	07:29	*38m*	08:07	*8h 24m*	16:32	*38m*	17:10	*38m*	17:49	*37m*	18:27	*15h 35m*	*11h 45m*				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		17:14	09:43	06:13	*37m*	06:51	*38m*	07:29	*38m*	08:08	*8h 24m*	16:32	*38m*	17:11	*38m*	17:49	*37m*	18:27	*15h 36m*	*11h 46m*				Mo, 16. Dez
Di, 17. Dez		18:28 – 18:29	*1m*	AN_+ *bis* $M_↗$		18:29	10:29	06:13	*37m*	06:51	*38m*	07:30	*38m*	08:09	*8h 23m*	16:32	*38m*	17:11	*38m*	17:50	*37m*	18:28	*15h 36m*	*11h 46m*				Di, 17. Dez
Mi, 18. Dez		18:28 – 19:46	*1h 18m*	AN_+ *bis* $M_↗$		19:46	11:02	06:14	*37m*	06:52	*38m*	07:31	*38m*	08:09	*8h 23m*	16:33	*38m*	17:11	*38m*	17:50	*37m*	18:28	*15h 37m*	*11h 46m*				Mi, 18. Dez
Do, 19. Dez		18:28 – 21:02	*2h 33m*	AN_+ *bis* $M_↗$		21:02	11:26	06:15	*37m*	06:52	*38m*	07:31	*38m*	08:10	*8h 23m*	16:33	*38m*	17:12	*38m*	17:51	*37m*	18:28	*15h 37m*	*11h 46m*				Do, 19. Dez
Fr, 20. Dez		18:29 – 22:13	*3h 44m*	AN_+ *bis* $M_↗$		22:13	11:45	06:15	*37m*	06:53	*38m*	07:32	*38m*	08:10	*8h 23m*	16:34	*38m*	17:12	*38m*	17:51	*37m*	18:29	*15h 37m*	*11h 46m*				Fr, 20. Dez
Sa, 21. Dez		18:29 – 23:22	*4h 52m*	AN_+ *bis* $M_↗$		23:22	12:00	06:16	*37m*	06:53	*38m*	07:32	*38m*	08:11	*8h 23m*	16:34	*38m*	17:13	*38m*	17:52	*37m*	18:29	*15h 37m*	*11h 46m*				Sa, 21. Dez
So, 22. Dez		18:30 – 00:28*	*5h 58m*	AN_+ *bis* $M_↗$	◑	—:—	12:14	06:16	*37m*	06:54	*38m*	07:33	*38m*	08:11	*8h 23m*	16:35	*38m*	17:13	*38m*	17:52	*37m*	18:30	*15h 37m*	*11h 46m*				So, 22. Dez
Mo, 23. Dez		18:30 – 01:34*	*7h 03m*	AN_+ *bis* $M_↗$		00:28	12:26	06:17	*37m*	06:54	*38m*	07:33	*38m*	08:12	*8h 23m*	16:35	*38m*	17:14	*38m*	17:53	*37m*	18:30	*15h 37m*	*11h 46m*				Mo, 23. Dez
Di, 24. Dez		18:31 – 02:41*	*8h 09m*	AN_+ *bis* $M_↗$		01:34	12:40	06:17	*37m*	06:55	*38m*	07:34	*38m*	08:12	*8h 23m*	16:36	*38m*	17:14	*38m*	17:53	*37m*	18:31	*15h 36m*	*11h 46m*				Di, 24. Dez
Mi, 25. Dez		18:32 – 03:49*	*9h 17m*	AN_+ *bis* $M_↗$		02:41	12:55	06:17	*37m*	06:55	*38m*	07:34	*38m*	08:13	*8h 23m*	16:36	*38m*	17:15	*38m*	17:54	*37m*	18:32	*15h 36m*	*11h 46m*				Mi, 25. Dez
Do, 26. Dez		18:32 – 05:00*	*10h 27m*	AN_+ *bis* $M_↗$		03:49	13:13	06:18	*37m*	06:56	*38m*	07:34	*38m*	08:13	*8h 24m*	16:37	*38m*	17:16	*38m*	17:55	*37m*	18:32	*15h 35m*	*11h 45m*				Do, 26. Dez
Fr, 27. Dez		18:33 – 06:12*	*11h 38m*	AN_+ *bis* $M_↗$		05:00	13:36	06:18	*37m*	06:56	*38m*	07:35	*38m*	08:13	*8h 24m*	16:38	*38m*	17:16	*38m*	17:55	*37m*	18:33	*15h 35m*	*11h 45m*				Fr, 27. Dez
Sa, 28. Dez		18:34 – 06:19*	*11h 44m*	AN_+ *bis* AN_-		06:12	14:06	06:18	*37m*	06:56	*38m*	07:35	*38m*	08:13	*8h 25m*	16:39	*38m*	17:17	*38m*	17:56	*37m*	18:34	*15h 34m*	*11h 44m*				Sa, 28. Dez
So, 29. Dez		18:34 – 06:19*	*11h 44m*	AN_+ *bis* AN_-		07:21	14:48	06:19	*37m*	06:56	*38m*	07:35	*38m*	08:13	*8h 26m*	16:40	*38m*	17:18	*38m*	17:57	*37m*	18:34	*15h 33m*	*11h 44m*				So, 29. Dez
Mo, 30. Dez		18:35 – 06:19*	*11h 43m*	AN_+ *bis* AN_-	●	08:22	15:44	06:19	*37m*	06:56	*38m*	07:35	*38m*	08:14	*8h 26m*	16:40	*38m*	17:19	*38m*	17:58	*37m*	18:35	*15h 33m*	*11h 43m*				Mo, 30. Dez
Di, 31. Dez		18:36 – 06:19*	*11h 42m*	AN_+ *bis* AN_-		09:12	16:52	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 27m*	16:41	*38m*	17:20	*38m*	17:58	*37m*	18:36	*15h 32m*	*11h 42m*				Di, 31. Dez
Mi, 1. Jan		18:37 – 06:19*	*11h 42m*	AN_+ *bis* AN_-		09:51	18:10	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 28m*	16:42	*38m*	17:21	*38m*	17:59	*37m*	18:37	*15h 31m*	*11h 42m*				Mi, 1. Jan
Do, 2. Jan		19:31 – 06:19*	*10h 47m*	$M_↘$ *bis* AN_-		10:20	19:31	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:14	*8h 29m*	16:43	*38m*	17:22	*38m*	18:00	*37m*	18:38	*15h 30m*	*11h 41m*				Do, 2. Jan
Fr, 3. Jan		20:53 – 06:19*	*9h 26m*	$M_↘$ *bis* AN_-		10:42	20:53	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 30m*	16:44	*38m*	17:23	*38m*	18:01	*37m*	18:39	*15h 28m*	*11h 40m*				Fr, 3. Jan
Sa, 4. Jan		22:13 – 06:19*	*8h 06m*	$M_↘$ *bis* AN_-		11:00	22:13	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 32m*	16:45	*38m*	17:24	*38m*	18:02	*37m*	18:40	*15h 27m*	*11h 39m*				Sa, 4. Jan
So, 5. Jan		23:32 – 06:19*	*6h 46m*	$M_↘$ *bis* AN_-		11:17	23:32	06:19	*37m*	06:57	*38m*	07:35	*38m*	08:13	*8h 33m*	16:47	*38m*	17:25	*38m*	18:03	*37m*	18:41	*15h 26m*	*11h 38m*				So, 5. Jan
Mo, 6. Jan		00:52* – 06:19*	*5h 26m*	$M_↘$ *bis* AN_-		11:33	—:—	06:19	*37m*	06:57	*38m*	07:35	*37m*	08:13	*8h 34m*	16:48	*37m*	17:26	*38m*	18:04	*37m*	18:42	*15h 24m*	*11h 37m*				Mo, 6. Jan
Di, 7. Jan		02:14* – 06:19*	*4h 04m*	$M_↘$ *bis* AN_-	◐	11:50	00:52	06:19	*37m*	06:56	*38m*	07:35	*37m*	08:13	*8h 36m*	16:49	*37m*	17:27	*38m*	18:05	*37m*	18:43	*15h 23m*	*11h 36m*				Di, 7. Jan
Mi, 8. Jan		03:38* – 06:19*	*2h 40m*	$M_↘$ *bis* AN_-		12:10	02:14	06:19	*37m*	06:56	*38m*	07:34	*37m*	08:12	*8h 37m*	16:50	*37m*	17:28	*38m*	18:06	*37m*	18:44	*15h 21m*	*11h 35m*				Mi, 8. Jan
Do, 9. Jan		05:02* – 06:18*	*1h 16m*	$M_↘$ *bis* AN_-		12:35	03:38	06:19	*37m*	06:56	*38m*	07:34	*37m*	08:12	*8h 39m*	16:51	*37m*	17:29	*38m*	18:07	*37m*	18:45	*15h 20m*	*11h 33m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		13:08	05:02	06:18	*37m*	06:56	*38m*	07:34	*37m*	08:11	*8h 41m*	16:53	*37m*	17:30	*38m*	18:08	*37m*	18:46	*15h 18m*	*11h 32m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:54	06:21	06:18	*37m*	06:55	*38m*	07:33	*37m*	08:11	*8h 42m*	16:54	*37m*	17:31	*38m*	18:09	*37m*	18:47	*15h 16m*	*11h 31m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:53	07:29	06:18	*37m*	06:55	*37m*	07:33	*37m*	08:10	*8h 44m*	16:55	*37m*	17:33	*37m*	18:11	*37m*	18:48	*15h 14m*	*11h 29m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	16:05	08:21	06:17	*37m*	06:55	*37m*	07:33	*37m*	08:10	*8h 46m*	16:56	*37m*	17:34	*37m*	18:12	*37m*	18:49	*15h 12m*	*11h 28m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		17:22	08:59	06:17	*37m*	06:54	*37m*	07:32	*37m*	08:09	*8h 48m*	16:58	*37m*	17:35	*37m*	18:13	*37m*	18:50	*15h 10m*	*11h 26m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:40	09:27	06:17	*37m*	06:54	*37m*	07:31	*37m*	08:09	*8h 50m*	16:59	*37m*	17:36	*37m*	18:14	*37m*	18:51	*15h 08m*	*11h 24m*				Mi, 15. Jan
Do, 16. Jan		18:52 – 19:54	*1h 01m*	AN_+ *bis* $M_↗$		19:54	09:48	06:16	*37m*	06:53	*37m*	07:31	*37m*	08:08	*8h 52m*	17:01	*37m*	17:38	*37m*	18:15	*37m*	18:52	*15h 06m*	*11h 23m*				Do, 16. Jan
Fr, 17. Jan		18:54 – 21:05	*2h 11m*	AN_+ *bis* $M_↗$		21:05	10:04	06:16	*36m*	06:53	*37m*	07:30	*36m*	08:07	*8h 54m*	17:02	*36m*	17:39	*37m*	18:17	*37m*	18:54	*15h 04m*	*11h 21m*				Fr, 17. Jan
Sa, 18. Jan		18:55 – 22:13	*3h 17m*	AN_+ *bis* $M_↗$		22:13	10:18	06:15	*36m*	06:52	*37m*	07:30	*36m*	08:06	*8h 57m*	17:03	*36m*	17:40	*37m*	18:18	*36m*	18:55	*15h 02m*	*11h 19m*				Sa, 18. Jan
So, 19. Jan		18:56 – 23:19	*4h 23m*	AN_+ *bis* $M_↗$		23:19	10:32	06:14	*36m*	06:51	*37m*	07:29	*36m*	08:06	*8h 59m*	17:05	*36m*	17:42	*37m*	18:19	*36m*	18:56	*14h 59m*	*11h 17m*				So, 19. Jan
Mo, 20. Jan		18:57 – 00:26*	*5h 28m*	AN_+ *bis* $M_↗$		—:—	10:45	06:14	*36m*	06:51	*37m*	07:28	*36m*	08:05	*9h 01m*	17:06	*36m*	17:43	*37m*	18:20	*36m*	18:57	*14h 57m*	*11h 15m*				Mo, 20. Jan
Di, 21. Jan		18:58 – 01:33*	*6h 34m*	AN_+ *bis* $M_↗$	◑	00:26	10:59	06:13	*36m*	06:50	*37m*	07:27	*36m*	08:04	*9h 04m*	17:08	*36m*	17:44	*37m*	18:22	*36m*	18:58	*14h 54m*	*11h 13m*				Di, 21. Jan
Mi, 22. Jan		19:00 – 02:43*	*7h 43m*	AN_+ *bis* $M_↗$		01:33	11:15	06:12	*36m*	06:49	*37m*	07:26	*36m*	08:03	*9h 06m*	17:09	*36m*	17:46	*37m*	18:23	*36m*	19:00	*14h 52m*	*11h 11m*				Mi, 22. Jan
Do, 23. Jan		19:01 – 03:54*	*8h 52m*	AN_+ *bis* $M_↗$		02:43	11:36	06:12	*36m*	06:48	*37m*	07:26	*36m*	08:02	*9h 09m*	17:11	*36m*	17:47	*37m*	18:24	*36m*	19:01	*14h 49m*	*11h 09m*				Do, 23. Jan
Fr, 24. Jan		19:02 – 05:04*	*10h 01m*	AN_+ *bis* $M_↗$		03:54	12:02	06:11	*36m*	06:48	*37m*	07:25	*36m*	08:01	*9h 11m*	17:12	*36m*	17:49	*37m*	18:26	*36m*	19:02	*14h 47m*	*11h 07m*				Fr, 24. Jan
Sa, 25. Jan		19:04 – 06:09*	*11h 05m*	AN_+ *bis* $M_↗$		05:04	12:39	06:10	*36m*	06:47	*36m*	07:24	*36m*	08:00	*9h 14m*	17:14	*36m*	17:50	*37m*	18:27	*36m*	19:04	*14h 44m*	*11h 05m*				Sa, 25. Jan
So, 26. Jan		19:05 – 06:08*	*11h 03m*	AN_+ *bis* AN_-		06:09	13:28	06:09	*36m*	06:46	*36m*	07:23	*35m*	07:59	*9h 16m*	17:15	*35m*	17:51	*36m*	18:28	*36m*	19:05	*14h 42m*	*11h 03m*				So, 26. Jan
Mo, 27. Jan		19:06 – 06:07*	*11h 01m*	AN_+ *bis* AN_-		07:04	14:32	06:08	*36m*	06:45	*36m*	07:22	*35m*	07:57	*9h 19m*	17:17	*35m*	17:53	*36m*	18:30	*36m*	19:06	*14h 39m*	*11h 01m*				Mo, 27. Jan
Di, 28. Jan		19:08 – 06:06*	*10h 58m*	AN_+ *bis* AN_-		07:47	15:47	06:07	*36m*	06:44	*36m*	07:21	*35m*	07:56	*9h 22m*	17:19	*35m*	17:54	*36m*	18:31	*36m*	19:08	*14h 36m*	*10h 58m*				Di, 28. Jan
Mi, 29. Jan		19:09 – 06:05*	*10h 56m*	AN_+ *bis* AN_-	●	08:20	17:09	06:06	*36m*	06:43	*36m*	07:19	*35m*	07:55	*9h 25m*	17:20	*35m*	17:56	*36m*	18:32	*36m*	19:09	*14h 33m*	*10h 56m*				Mi, 29. Jan
Do, 30. Jan		19:10 – 06:04*	*10h 54m*	AN_+ *bis* AN_-		08:45	18:33	06:05	*36m*	06:42	*36m*	07:18	*35m*	07:54	*9h 27m*	17:22	*35m*	17:57	*36m*	18:34	*36m*	19:10	*14h 30m*	*10h 54m*				Do, 30. Jan
Fr, 31. Jan		19:56 – 06:03*	*10h 06m*	$M_↘$ *bis* AN_-		09:05	19:56	06:04	*36m*	06:41	*36m*	07:17	*35m*	07:53	*9h 30m*	17:23	*35m*	17:59	*36m*	18:35	*36m*	19:12	*14h 27m*	*10h 51m*				Fr, 31. Jan
Sa, 1. Feb		21:18 – 06:02*	*8h 43m*	$M_↘$ *bis* AN_-		09:23	21:18	06:03	*36m*	06:40	*36m*	07:16	*35m*	07:51	*9h 33m*	17:25	*35m*	18:00	*36m*	18:37	*36m*	19:13	*14h 25m*	*10h 49m*				Sa, 1. Feb
So, 2. Feb		22:40 – 06:01*	*7h 20m*	$M_↘$ *bis* AN_-		09:39	22:40	06:02	*36m*	06:38	*36m*	07:15	*35m*	07:50	*9h 36m*	17:26	*35m*	18:02	*36m*	18:38	*36m*	19:14	*14h 22m*	*10h 46m*				So, 2. Feb
Mo, 3. Feb		00:03* – 06:00*	*5h 57m*	$M_↘$ *bis* AN_-		09:56	—:—	06:01	*36m*	06:37	*36m*	07:14	*35m*	07:49	*9h 39m*	17:28	*35m*	18:03	*36m*	18:40	*36m*	19:16	*14h 19m*	*10h 44m*				Mo, 3. Feb