Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Zwickau 50.7189° N 12.4922° 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		18:17 – 22:00	*3h 42m*	AN_+ *bis* $M_↗$		22:00	11:14	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 03m*	16:15	*41m*	16:56	*41m*	17:37	*39m*	18:17	*15h 55m*	*11h 51m*				Mo, 1. Jan
Di, 2. Jan		18:18 – 23:09	*4h 50m*	AN_+ *bis* $M_↗$		23:09	11:25	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 05m*	16:16	*41m*	16:57	*41m*	17:38	*39m*	18:18	*15h 54m*	*11h 50m*				Di, 2. Jan
Mi, 3. Jan		18:19 – 00:18*	*5h 58m*	AN_+ *bis* $M_↗$		—:—	11:36	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 06m*	16:17	*41m*	16:58	*41m*	17:39	*39m*	18:19	*15h 53m*	*11h 49m*				Mi, 3. Jan
Do, 4. Jan		18:20 – 01:28*	*7h 08m*	AN_+ *bis* $M_↗$	◑	00:18	11:47	06:09	*39m*	06:48	*41m*	07:29	*41m*	08:11	*8h 07m*	16:18	*41m*	16:59	*41m*	17:40	*39m*	18:20	*15h 52m*	*11h 48m*				Do, 4. Jan
Fr, 5. Jan		18:21 – 02:42*	*8h 20m*	AN_+ *bis* $M_↗$		01:28	11:59	06:09	*39m*	06:48	*40m*	07:29	*41m*	08:10	*8h 08m*	16:19	*41m*	17:00	*40m*	17:41	*39m*	18:21	*15h 50m*	*11h 47m*				Fr, 5. Jan
Sa, 6. Jan		18:22 – 04:00*	*9h 37m*	AN_+ *bis* $M_↗$		02:42	12:14	06:09	*39m*	06:48	*40m*	07:29	*40m*	08:10	*8h 10m*	16:20	*40m*	17:01	*40m*	17:42	*39m*	18:22	*15h 49m*	*11h 46m*				Sa, 6. Jan
So, 7. Jan		18:23 – 05:21*	*10h 57m*	AN_+ *bis* $M_↗$		04:00	12:33	06:08	*39m*	06:48	*40m*	07:29	*40m*	08:10	*8h 11m*	16:22	*40m*	17:03	*40m*	17:43	*39m*	18:23	*15h 47m*	*11h 45m*				So, 7. Jan
Mo, 8. Jan		18:24 – 06:08*	*11h 43m*	AN_+ *bis* AN_-		05:21	13:01	06:08	*39m*	06:48	*40m*	07:29	*40m*	08:09	*8h 13m*	16:23	*40m*	17:04	*40m*	17:45	*39m*	18:24	*15h 45m*	*11h 43m*				Mo, 8. Jan
Di, 9. Jan		18:25 – 06:08*	*11h 42m*	AN_+ *bis* AN_-		06:40	13:41	06:08	*39m*	06:48	*40m*	07:28	*40m*	08:09	*8h 15m*	16:24	*40m*	17:05	*40m*	17:46	*39m*	18:25	*15h 44m*	*11h 42m*				Di, 9. Jan
Mi, 10. Jan		18:26 – 06:07*	*11h 41m*	AN_+ *bis* AN_-		07:51	14:40	06:08	*39m*	06:47	*40m*	07:28	*40m*	08:08	*8h 17m*	16:26	*40m*	17:06	*40m*	17:47	*39m*	18:26	*15h 42m*	*11h 41m*				Mi, 10. Jan
Do, 11. Jan		18:27 – 06:07*	*11h 39m*	AN_+ *bis* AN_-	●	08:46	15:57	06:07	*39m*	06:47	*40m*	07:27	*40m*	08:08	*8h 19m*	16:27	*40m*	17:07	*40m*	17:48	*39m*	18:27	*15h 40m*	*11h 39m*				Do, 11. Jan
Fr, 12. Jan		18:29 – 06:07*	*11h 37m*	AN_+ *bis* AN_-		09:25	17:27	06:07	*39m*	06:46	*40m*	07:27	*40m*	08:07	*8h 21m*	16:28	*40m*	17:09	*40m*	17:49	*39m*	18:29	*15h 38m*	*11h 37m*				Fr, 12. Jan
Sa, 13. Jan		18:59 – 06:06*	*11h 06m*	$M_↘$ *bis* AN_-		09:53	18:59	06:07	*39m*	06:46	*40m*	07:26	*40m*	08:07	*8h 23m*	16:30	*40m*	17:10	*40m*	17:50	*39m*	18:30	*15h 36m*	*11h 36m*				Sa, 13. Jan
So, 14. Jan		20:30 – 06:06*	*9h 35m*	$M_↘$ *bis* AN_-		10:13	20:30	06:06	*39m*	06:45	*40m*	07:26	*40m*	08:06	*8h 25m*	16:31	*40m*	17:11	*40m*	17:52	*39m*	18:31	*15h 33m*	*11h 34m*				So, 14. Jan
Mo, 15. Jan		21:57 – 06:05*	*8h 07m*	$M_↘$ *bis* AN_-		10:29	21:57	06:06	*39m*	06:45	*40m*	07:25	*39m*	08:05	*8h 27m*	16:33	*39m*	17:13	*40m*	17:53	*39m*	18:32	*15h 31m*	*11h 32m*				Mo, 15. Jan
Di, 16. Jan		23:22 – 06:05*	*6h 42m*	$M_↘$ *bis* AN_-		10:43	23:22	06:05	*39m*	06:44	*40m*	07:24	*39m*	08:04	*8h 29m*	16:34	*39m*	17:14	*40m*	17:54	*39m*	18:34	*15h 29m*	*11h 31m*				Di, 16. Jan
Mi, 17. Jan		00:45* – 06:04*	*5h 19m*	$M_↘$ *bis* AN_-		10:56	—:—	06:05	*39m*	06:44	*40m*	07:24	*39m*	08:03	*8h 32m*	16:36	*39m*	17:16	*40m*	17:56	*39m*	18:35	*15h 26m*	*11h 29m*				Mi, 17. Jan
Do, 18. Jan		02:08* – 06:03*	*3h 55m*	$M_↘$ *bis* AN_-	◐	11:11	00:45	06:04	*39m*	06:43	*39m*	07:23	*39m*	08:03	*8h 34m*	16:37	*39m*	17:17	*39m*	17:57	*39m*	18:36	*15h 24m*	*11h 27m*				Do, 18. Jan
Fr, 19. Jan		03:30* – 06:03*	*2h 32m*	$M_↘$ *bis* AN_-		11:28	02:08	06:03	*39m*	06:42	*39m*	07:22	*39m*	08:02	*8h 37m*	16:39	*39m*	17:18	*39m*	17:58	*39m*	18:37	*15h 21m*	*11h 25m*				Fr, 19. Jan
Sa, 20. Jan		04:50* – 06:02*	*1h 11m*	$M_↘$ *bis* AN_-		11:50	03:30	06:03	*38m*	06:42	*39m*	07:21	*39m*	08:01	*8h 39m*	16:41	*39m*	17:20	*39m*	18:00	*39m*	18:39	*15h 19m*	*11h 23m*				Sa, 20. Jan
So, 21. Jan		—:— – —:—	–	Mond stört		12:19	04:50	06:02	*38m*	06:41	*39m*	07:20	*39m*	08:00	*8h 42m*	16:42	*39m*	17:21	*39m*	18:01	*38m*	18:40	*15h 16m*	*11h 21m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:00	06:03	06:01	*38m*	06:40	*39m*	07:20	*39m*	07:59	*8h 45m*	16:44	*39m*	17:23	*39m*	18:02	*38m*	18:41	*15h 13m*	*11h 18m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		13:53	07:04	06:00	*38m*	06:39	*39m*	07:19	*38m*	07:57	*8h 47m*	16:45	*38m*	17:24	*39m*	18:04	*38m*	18:43	*15h 10m*	*11h 16m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		14:58	07:51	05:59	*38m*	06:38	*39m*	07:18	*38m*	07:56	*8h 50m*	16:47	*38m*	17:26	*39m*	18:05	*38m*	18:44	*15h 08m*	*11h 14m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:10	08:24	05:58	*38m*	06:37	*39m*	07:16	*38m*	07:55	*8h 53m*	16:49	*38m*	17:27	*39m*	18:07	*38m*	18:46	*15h 05m*	*11h 12m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:24	08:49	05:58	*38m*	06:36	*39m*	07:15	*38m*	07:54	*8h 56m*	16:51	*38m*	17:29	*39m*	18:08	*38m*	18:47	*15h 02m*	*11h 09m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:37	09:06	05:57	*38m*	06:35	*39m*	07:14	*38m*	07:53	*8h 59m*	16:52	*38m*	17:31	*39m*	18:10	*38m*	18:48	*14h 59m*	*11h 07m*				Sa, 27. Jan
So, 28. Jan		18:50 – 19:47	*57m*	AN_+ *bis* $M_↗$		19:47	09:20	05:56	*38m*	06:34	*39m*	07:13	*38m*	07:51	*9h 02m*	16:54	*38m*	17:32	*39m*	18:11	*38m*	18:50	*14h 56m*	*11h 04m*				So, 28. Jan
Mo, 29. Jan		18:51 – 20:56	*2h 04m*	AN_+ *bis* $M_↗$		20:56	09:32	05:54	*38m*	06:33	*38m*	07:12	*38m*	07:50	*9h 05m*	16:56	*38m*	17:34	*38m*	18:13	*38m*	18:51	*14h 52m*	*11h 02m*				Mo, 29. Jan
Di, 30. Jan		18:53 – 22:04	*3h 11m*	AN_+ *bis* $M_↗$		22:04	09:43	05:53	*38m*	06:32	*38m*	07:11	*37m*	07:49	*9h 08m*	16:57	*37m*	17:35	*38m*	18:14	*38m*	18:53	*14h 49m*	*10h 59m*				Di, 30. Jan
Mi, 31. Jan		18:54 – 23:13	*4h 19m*	AN_+ *bis* $M_↗$		23:13	09:53	05:52	*38m*	06:31	*38m*	07:09	*37m*	07:47	*9h 11m*	16:59	*37m*	17:37	*38m*	18:16	*38m*	18:54	*14h 46m*	*10h 56m*				Mi, 31. Jan
Do, 1. Feb		18:56 – 00:25*	*5h 28m*	AN_+ *bis* $M_↗$		—:—	10:04	05:51	*38m*	06:29	*38m*	07:08	*37m*	07:46	*9h 15m*	17:01	*37m*	17:39	*38m*	18:17	*38m*	18:56	*14h 43m*	*10h 54m*				Do, 1. Feb
Fr, 2. Feb		18:57 – 01:39*	*6h 41m*	AN_+ *bis* $M_↗$		00:25	10:17	05:50	*38m*	06:28	*38m*	07:07	*37m*	07:44	*9h 18m*	17:03	*37m*	17:40	*38m*	18:19	*38m*	18:57	*14h 40m*	*10h 51m*				Fr, 2. Feb
Sa, 3. Feb		18:59 – 02:57*	*7h 58m*	AN_+ *bis* $M_↗$	◑	01:39	10:34	05:49	*38m*	06:27	*38m*	07:05	*37m*	07:43	*9h 21m*	17:04	*37m*	17:42	*38m*	18:20	*38m*	18:59	*14h 36m*	*10h 48m*				Sa, 3. Feb
So, 4. Feb		19:00 – 04:16*	*9h 15m*	AN_+ *bis* $M_↗$		02:57	10:57	05:47	*38m*	06:25	*38m*	07:04	*37m*	07:41	*9h 24m*	17:06	*37m*	17:44	*38m*	18:22	*38m*	19:00	*14h 33m*	*10h 45m*				So, 4. Feb
Mo, 5. Feb		19:02 – 05:30*	*10h 28m*	AN_+ *bis* $M_↗$		04:16	11:29	05:46	*38m*	06:24	*38m*	07:02	*37m*	07:40	*9h 28m*	17:08	*37m*	17:45	*38m*	18:24	*38m*	19:02	*14h 30m*	*10h 42m*				Mo, 5. Feb
Di, 6. Feb		19:03 – 05:43*	*10h 39m*	AN_+ *bis* AN_-		05:30	12:18	05:45	*38m*	06:23	*38m*	07:01	*37m*	07:38	*9h 31m*	17:10	*37m*	17:47	*38m*	18:25	*38m*	19:03	*14h 26m*	*10h 39m*				Di, 6. Feb
Mi, 7. Feb		19:05 – 05:42*	*10h 36m*	AN_+ *bis* AN_-		06:32	13:25	05:43	*38m*	06:21	*38m*	06:59	*36m*	07:36	*9h 35m*	17:11	*36m*	17:48	*38m*	18:27	*38m*	19:05	*14h 23m*	*10h 36m*				Mi, 7. Feb
Do, 8. Feb		19:06 – 05:40*	*10h 33m*	AN_+ *bis* AN_-		07:19	14:50	05:42	*38m*	06:20	*38m*	06:58	*36m*	07:35	*9h 38m*	17:13	*36m*	17:50	*38m*	18:28	*38m*	19:06	*14h 19m*	*10h 33m*				Do, 8. Feb
Fr, 9. Feb		19:08 – 05:39*	*10h 30m*	AN_+ *bis* AN_-	●	07:51	16:23	05:40	*38m*	06:18	*38m*	06:56	*36m*	07:33	*9h 41m*	17:15	*36m*	17:52	*38m*	18:30	*38m*	19:08	*14h 16m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:10 – 05:37*	*10h 27m*	AN_+ *bis* AN_-		08:15	17:58	05:39	*38m*	06:17	*37m*	06:55	*36m*	07:31	*9h 45m*	17:17	*36m*	17:53	*37m*	18:31	*38m*	19:10	*14h 12m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:30 – 05:36*	*10h 05m*	$M_↘$ *bis* AN_-		08:33	19:30	05:37	*37m*	06:15	*37m*	06:53	*36m*	07:30	*9h 49m*	17:19	*36m*	17:55	*37m*	18:33	*38m*	19:11	*14h 09m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		20:59 – 05:34*	*8h 35m*	$M_↘$ *bis* AN_-		08:48	20:59	05:36	*37m*	06:14	*37m*	06:51	*36m*	07:28	*9h 52m*	17:20	*36m*	17:57	*37m*	18:35	*38m*	19:13	*14h 05m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:26 – 05:32*	*7h 06m*	$M_↘$ *bis* AN_-		09:02	22:26	05:34	*37m*	06:12	*37m*	06:50	*36m*	07:26	*9h 56m*	17:22	*36m*	17:58	*37m*	18:36	*38m*	19:14	*14h 02m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		23:52 – 05:31*	*5h 38m*	$M_↘$ *bis* AN_-		09:16	23:52	05:32	*37m*	06:10	*37m*	06:48	*36m*	07:24	*9h 59m*	17:24	*36m*	18:00	*37m*	18:38	*37m*	19:16	*13h 58m*	*10h 14m*				Mi, 14. Feb
Do, 15. Feb		01:17* – 05:29*	*4h 11m*	$M_↘$ *bis* AN_-		09:33	—:—	05:31	*37m*	06:09	*37m*	06:46	*36m*	07:22	*10h 03m*	17:26	*36m*	18:02	*37m*	18:39	*37m*	19:17	*13h 54m*	*10h 11m*				Do, 15. Feb
Fr, 16. Feb		02:40* – 05:27*	*2h 47m*	$M_↘$ *bis* AN_-	◐	09:53	01:17	05:29	*37m*	06:07	*37m*	06:45	*35m*	07:21	*10h 06m*	17:27	*36m*	18:03	*37m*	18:41	*37m*	19:19	*13h 51m*	*10h 08m*				Fr, 16. Feb
Sa, 17. Feb		03:56* – 05:26*	*1h 29m*	$M_↘$ *bis* AN_-		10:20	02:40	05:27	*37m*	06:05	*37m*	06:43	*35m*	07:19	*10h 10m*	17:29	*35m*	18:05	*37m*	18:43	*37m*	19:21	*13h 47m*	*10h 04m*				Sa, 17. Feb
So, 18. Feb		05:01* – 05:24*	*22m*	$M_↘$ *bis* AN_-		10:57	03:56	05:26	*37m*	06:03	*37m*	06:41	*35m*	07:17	*10h 14m*	17:31	*35m*	18:07	*37m*	18:44	*37m*	19:22	*13h 43m*	*10h 01m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		11:47	05:01	05:24	*37m*	06:02	*37m*	06:39	*35m*	07:15	*10h 17m*	17:33	*35m*	18:08	*37m*	18:46	*37m*	19:24	*13h 40m*	*9h 58m*				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		12:48	05:52	05:22	*37m*	06:00	*37m*	06:37	*35m*	07:13	*10h 21m*	17:34	*35m*	18:10	*37m*	18:48	*37m*	19:26	*13h 36m*	*9h 54m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		13:58	06:28	05:20	*37m*	05:58	*37m*	06:35	*35m*	07:11	*10h 25m*	17:36	*35m*	18:12	*37m*	18:49	*37m*	19:27	*13h 32m*	*9h 51m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:11	06:54	05:18	*37m*	05:56	*37m*	06:33	*35m*	07:09	*10h 29m*	17:38	*35m*	18:13	*37m*	18:51	*38m*	19:29	*13h 28m*	*9h 47m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:24	07:13	05:16	*37m*	05:54	*37m*	06:32	*35m*	07:07	*10h 32m*	17:40	*35m*	18:15	*37m*	18:53	*38m*	19:31	*13h 25m*	*9h 43m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:36	07:28	05:14	*37m*	05:52	*37m*	06:30	*35m*	07:05	*10h 36m*	17:41	*35m*	18:17	*37m*	18:54	*38m*	19:32	*13h 21m*	*9h 40m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		18:45	07:40	05:12	*37m*	05:50	*37m*	06:28	*35m*	07:03	*10h 40m*	17:43	*35m*	18:18	*37m*	18:56	*38m*	19:34	*13h 17m*	*9h 36m*				So, 25. Feb
Mo, 26. Feb		19:36 – 19:54	*18m*	AN_+ *bis* $M_↗$		19:54	07:51	05:10	*38m*	05:48	*37m*	06:26	*35m*	07:01	*10h 44m*	17:45	*35m*	18:20	*37m*	18:57	*38m*	19:36	*13h 13m*	*9h 32m*				Mo, 26. Feb
Di, 27. Feb		19:37 – 21:03	*1h 25m*	AN_+ *bis* $M_↗$		21:03	08:01	05:08	*38m*	05:47	*37m*	06:24	*35m*	06:59	*10h 47m*	17:47	*35m*	18:22	*37m*	18:59	*38m*	19:37	*13h 10m*	*9h 29m*				Di, 27. Feb
Mi, 28. Feb		19:39 – 22:13	*2h 33m*	AN_+ *bis* $M_↗$		22:13	08:12	05:06	*38m*	05:45	*37m*	06:22	*35m*	06:57	*10h 51m*	17:48	*35m*	18:23	*37m*	19:01	*38m*	19:39	*13h 06m*	*9h 25m*				Mi, 28. Feb
Do, 29. Feb		19:41 – 23:25	*3h 44m*	AN_+ *bis* $M_↗$		23:25	08:24	05:04	*38m*	05:42	*37m*	06:20	*34m*	06:55	*10h 55m*	17:50	*35m*	18:25	*37m*	19:02	*38m*	19:41	*13h 02m*	*9h 21m*				Do, 29. Feb
Fr, 1. Mär		19:42 – 00:41*	*4h 58m*	AN_+ *bis* $M_↗$		—:—	08:39	05:02	*38m*	05:40	*37m*	06:18	*34m*	06:53	*10h 59m*	17:52	*35m*	18:27	*37m*	19:04	*38m*	19:42	*12h 58m*	*9h 17m*				Fr, 1. Mär
Sa, 2. Mär		19:44 – 01:58*	*6h 13m*	AN_+ *bis* $M_↗$		00:41	08:58	05:00	*38m*	05:38	*37m*	06:16	*34m*	06:50	*11h 03m*	17:53	*34m*	18:28	*37m*	19:06	*38m*	19:44	*12h 54m*	*9h 13m*				Sa, 2. Mär
So, 3. Mär		19:46 – 03:13*	*7h 26m*	AN_+ *bis* $M_↗$	◑	01:58	09:25	04:58	*38m*	05:36	*37m*	06:13	*34m*	06:48	*11h 06m*	17:55	*34m*	18:30	*37m*	19:07	*38m*	19:46	*12h 51m*	*9h 10m*				So, 3. Mär
Mo, 4. Mär		19:48 – 04:19*	*8h 31m*	AN_+ *bis* $M_↗$		03:13	10:05	04:56	*38m*	05:34	*37m*	06:11	*34m*	06:46	*11h 10m*	17:57	*34m*	18:32	*37m*	19:09	*38m*	19:48	*12h 47m*	*9h 06m*				Mo, 4. Mär
Di, 5. Mär		19:49 – 04:51*	*9h 02m*	AN_+ *bis* AN_-		04:19	11:02	04:54	*38m*	05:32	*37m*	06:09	*34m*	06:44	*11h 14m*	17:59	*34m*	18:33	*37m*	19:11	*38m*	19:49	*12h 43m*	*9h 02m*				Di, 5. Mär
Mi, 6. Mär		19:51 – 04:49*	*8h 58m*	AN_+ *bis* AN_-		05:11	12:16	04:51	*38m*	05:30	*37m*	06:07	*34m*	06:42	*11h 18m*	18:00	*34m*	18:35	*37m*	19:12	*38m*	19:51	*12h 39m*	*8h 58m*				Mi, 6. Mär
Do, 7. Mär		19:53 – 04:47*	*8h 54m*	AN_+ *bis* AN_-		05:48	13:44	04:49	*38m*	05:28	*37m*	06:05	*34m*	06:40	*11h 22m*	18:02	*34m*	18:37	*37m*	19:14	*38m*	19:53	*12h 35m*	*8h 54m*				Do, 7. Mär
Fr, 8. Mär		19:55 – 04:45*	*8h 50m*	AN_+ *bis* AN_-		06:15	15:18	04:47	*38m*	05:26	*37m*	06:03	*34m*	06:38	*11h 26m*	18:04	*34m*	18:38	*37m*	19:16	*38m*	19:55	*12h 31m*	*8h 50m*				Fr, 8. Mär
Sa, 9. Mär		19:56 – 04:42*	*8h 45m*	AN_+ *bis* AN_-		06:35	16:51	04:45	*38m*	05:23	*37m*	06:01	*34m*	06:35	*11h 29m*	18:05	*34m*	18:40	*37m*	19:18	*38m*	19:56	*12h 27m*	*8h 45m*				Sa, 9. Mär
So, 10. Mär		19:58 – 04:40*	*8h 41m*	AN_+ *bis* AN_-	●	06:51	18:23	04:42	*38m*	05:21	*37m*	05:59	*34m*	06:33	*11h 33m*	18:07	*34m*	18:42	*37m*	19:19	*39m*	19:58	*12h 24m*	*8h 41m*				So, 10. Mär
Mo, 11. Mär		20:00 – 04:38*	*8h 37m*	AN_+ *bis* AN_-		07:06	19:54	04:40	*38m*	05:19	*37m*	05:56	*34m*	06:31	*11h 37m*	18:09	*34m*	18:43	*37m*	19:21	*39m*	20:00	*12h 20m*	*8h 37m*				Mo, 11. Mär
Di, 12. Mär		21:24 – 04:35*	*7h 11m*	$M_↘$ *bis* AN_-		07:20	21:24	04:38	*39m*	05:17	*37m*	05:54	*34m*	06:29	*11h 41m*	18:10	*34m*	18:45	*37m*	19:23	*39m*	20:02	*12h 16m*	*8h 33m*				Di, 12. Mär
Mi, 13. Mär		22:53 – 04:33*	*5h 39m*	$M_↘$ *bis* AN_-		07:36	22:53	04:35	*39m*	05:15	*37m*	05:52	*34m*	06:27	*11h 45m*	18:12	*34m*	18:47	*37m*	19:24	*39m*	20:04	*12h 12m*	*8h 29m*				Mi, 13. Mär
Do, 14. Mär		00:21* – 04:31*	*4h 09m*	$M_↘$ *bis* AN_-		07:55	—:—	04:33	*39m*	05:12	*37m*	05:50	*34m*	06:24	*11h 49m*	18:14	*34m*	18:48	*37m*	19:26	*39m*	20:06	*12h 08m*	*8h 25m*				Do, 14. Mär
Fr, 15. Mär		01:43* – 04:28*	*2h 45m*	$M_↘$ *bis* AN_-		08:20	00:21	04:31	*39m*	05:10	*37m*	05:48	*34m*	06:22	*11h 53m*	18:15	*34m*	18:50	*37m*	19:28	*39m*	20:07	*12h 04m*	*8h 20m*				Fr, 15. Mär
Sa, 16. Mär		02:54* – 04:26*	*1h 31m*	$M_↘$ *bis* AN_-		08:54	01:43	04:28	*39m*	05:08	*37m*	05:45	*34m*	06:20	*11h 56m*	18:17	*34m*	18:52	*37m*	19:30	*39m*	20:09	*12h 00m*	*8h 16m*				Sa, 16. Mär
So, 17. Mär		03:51* – 04:23*	*32m*	$M_↘$ *bis* AN_-	◐	09:40	02:54	04:26	*39m*	05:05	*37m*	05:43	*34m*	06:18	*12h 00m*	18:19	*34m*	18:53	*37m*	19:31	*39m*	20:11	*11h 57m*	*8h 12m*				So, 17. Mär
Mo, 18. Mär		—:——:—	–	Mond stört		10:39	03:51	04:23	*39m*	05:03	*37m*	05:41	*34m*	06:16	*12h 04m*	18:20	*34m*	18:55	*37m*	19:33	*40m*	20:13	*11h 53m*	*8h 07m*				Mo, 18. Mär
Di, 19. Mär		—:——:—	–	Mond stört		11:47	04:31	04:21	*40m*	05:01	*37m*	05:39	*34m*	06:13	*12h 08m*	18:22	*34m*	18:57	*38m*	19:35	*40m*	20:15	*11h 49m*	*8h 03m*				Di, 19. Mär
Mi, 20. Mär		—:——:—	–	Mond stört		13:00	05:00	04:18	*40m*	04:58	*37m*	05:36	*34m*	06:11	*12h 12m*	18:24	*34m*	18:58	*38m*	19:37	*40m*	20:17	*11h 45m*	*7h 58m*				Mi, 20. Mär
Do, 21. Mär		—:——:—	–	Mond stört		14:13	05:21	04:16	*40m*	04:56	*38m*	05:34	*34m*	06:09	*12h 16m*	18:25	*34m*	19:00	*38m*	19:38	*40m*	20:19	*11h 41m*	*7h 54m*				Do, 21. Mär
Fr, 22. Mär		—:——:—	–	Mond stört		15:25	05:37	04:13	*40m*	04:54	*38m*	05:32	*34m*	06:07	*12h 20m*	18:27	*34m*	19:02	*38m*	19:40	*40m*	20:21	*11h 37m*	*7h 49m*				Fr, 22. Mär
Sa, 23. Mär		—:——:—	–	Mond stört		16:35	05:49	04:11	*40m*	04:51	*38m*	05:30	*34m*	06:04	*12h 23m*	18:28	*35m*	19:03	*38m*	19:42	*41m*	20:23	*11h 33m*	*7h 45m*				Sa, 23. Mär
So, 24. Mär		—:——:—	–	Mond stört		17:44	06:00	04:08	*40m*	04:49	*38m*	05:27	*34m*	06:02	*12h 27m*	18:30	*35m*	19:05	*38m*	19:44	*41m*	20:25	*11h 29m*	*7h 40m*				So, 24. Mär
Mo, 25. Mär		—:——:—	–	Mond stört	○	18:53	06:10	04:05	*41m*	04:47	*38m*	05:25	*34m*	06:00	*12h 31m*	18:32	*35m*	19:07	*38m*	19:45	*41m*	20:27	*11h 26m*	*7h 35m*				Mo, 25. Mär
Di, 26. Mär		—:——:—	–	Mond stört		20:03	06:21	04:03	*41m*	04:44	*38m*	05:23	*35m*	05:58	*12h 35m*	18:33	*35m*	19:08	*38m*	19:47	*41m*	20:29	*11h 22m*	*7h 31m*				Di, 26. Mär
Mi, 27. Mär		20:31 – 21:15	*43m*	AN_+ *bis* $M_↗$		21:15	06:32	04:00	*41m*	04:42	*38m*	05:20	*35m*	05:56	*12h 39m*	18:35	*35m*	19:10	*38m*	19:49	*41m*	20:31	*11h 18m*	*7h 26m*				Mi, 27. Mär
Do, 28. Mär		20:33 – 22:30	*1h 56m*	AN_+ *bis* $M_↗$		22:30	06:46	03:58	*41m*	04:39	*38m*	05:18	*35m*	05:53	*12h 43m*	18:37	*35m*	19:12	*39m*	19:51	*42m*	20:33	*11h 14m*	*7h 21m*				Do, 28. Mär
Fr, 29. Mär		20:35 – 23:46	*3h 11m*	AN_+ *bis* $M_↗$		23:46	07:03	03:55	*42m*	04:37	*38m*	05:16	*35m*	05:51	*12h 47m*	18:38	*35m*	19:14	*39m*	19:53	*42m*	20:35	*11h 10m*	*7h 17m*				Fr, 29. Mär
Sa, 30. Mär		20:37 – 01:01*	*4h 24m*	AN_+ *bis* $M_↗$		—:—	07:27	03:52	*42m*	04:35	*39m*	05:14	*35m*	05:49	*12h 50m*	18:40	*35m*	19:15	*39m*	19:55	*42m*	20:37	*11h 06m*	*7h 12m*				Sa, 30. Mär
So, 31. Mär	MESZ	21:39 – 03:10*	*5h 30m*	AN_+ *bis* $M_↗$		02:01	09:02	04:49	*42m*	05:32	*39m*	06:11	*35m*	06:47	*12h 54m*	19:41	*35m*	20:17	*39m*	20:56	*42m*	21:39	*11h 03m*	*7h 07m*				So, 31. Mär
Mo, 1. Apr	MESZ	21:41 – 04:05*	*6h 23m*	AN_+ *bis* $M_↗$		03:10	09:51	04:47	*42m*	05:30	*39m*	06:09	*35m*	06:44	*12h 58m*	19:43	*35m*	20:19	*39m*	20:58	*43m*	21:41	*10h 59m*	*7h 02m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:44 – 04:41*	*6h 57m*	AN_+ *bis* AN_-	◑	04:05	10:57	04:44	*43m*	05:27	*39m*	06:07	*35m*	06:42	*13h 02m*	19:45	*35m*	20:20	*39m*	21:00	*43m*	21:44	*10h 55m*	*6h 57m*				Di, 2. Apr
Mi, 3. Apr	MESZ	21:46 – 04:38*	*6h 52m*	AN_+ *bis* AN_-		04:47	12:17	04:41	*43m*	05:25	*39m*	06:04	*35m*	06:40	*13h 06m*	19:46	*35m*	20:22	*39m*	21:02	*43m*	21:46	*10h 51m*	*6h 52m*				Mi, 3. Apr
Do, 4. Apr	MESZ	21:48 – 04:36*	*6h 47m*	AN_+ *bis* AN_-		05:16	13:46	04:38	*43m*	05:22	*39m*	06:02	*35m*	06:38	*13h 10m*	19:48	*35m*	20:24	*40m*	21:04	*44m*	21:48	*10h 47m*	*6h 47m*				Do, 4. Apr
Fr, 5. Apr	MESZ	21:50 – 04:33*	*6h 42m*	AN_+ *bis* AN_-		05:38	15:16	04:36	*44m*	05:20	*40m*	06:00	*35m*	06:36	*13h 13m*	19:50	*35m*	20:25	*40m*	21:06	*44m*	21:50	*10h 44m*	*6h 42m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	21:53 – 04:30*	*6h 37m*	AN_+ *bis* AN_-		05:55	16:47	04:33	*44m*	05:17	*40m*	05:58	*35m*	06:34	*13h 17m*	19:51	*36m*	20:27	*40m*	21:08	*44m*	21:53	*10h 40m*	*6h 37m*				Sa, 6. Apr
So, 7. Apr	MESZ	21:55 – 04:27*	*6h 32m*	AN_+ *bis* AN_-		06:10	18:17	04:30	*44m*	05:15	*40m*	05:55	*36m*	06:31	*13h 21m*	19:53	*36m*	20:29	*40m*	21:10	*45m*	21:55	*10h 36m*	*6h 32m*				So, 7. Apr
Mo, 8. Apr	MESZ	21:57 – 04:24*	*6h 27m*	AN_+ *bis* AN_-	●	06:24	19:47	04:27	*45m*	05:12	*40m*	05:53	*36m*	06:29	*13h 25m*	19:54	*36m*	20:31	*40m*	21:12	*45m*	21:57	*10h 32m*	*6h 27m*				Mo, 8. Apr
Di, 9. Apr	MESZ	22:00 – 04:21*	*6h 21m*	AN_+ *bis* AN_-		06:39	21:18	04:24	*45m*	05:10	*40m*	05:51	*36m*	06:27	*13h 28m*	19:56	*36m*	20:32	*41m*	21:14	*46m*	22:00	*10h 28m*	*6h 21m*				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	22:49 – 04:18*	*5h 29m*	$M_{\searrow}$ *bis* AN$_{-}$		06:56	22:49	04:21	*45m*	05:07	*41m*	05:48	*36m*	06:25	*13h 32m*	19:58	*36m*	20:34	*41m*	21:16	*46m*	22:02	*10h 25m*	*6h 16m*				Mi, 10. Apr
Do, 11. Apr	MESZ	00:18* – 04:16*	*3h 57m*	$M_{\searrow}$ *bis* AN$_{-}$		07:18	—:—	04:18	*46m*	05:05	*41m*	05:46	*36m*	06:23	*13h 36m*	19:59	*36m*	20:36	*41m*	21:18	*46m*	22:04	*10h 21m*	*6h 11m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:37* – 04:13*	*2h 35m*	$M_{\searrow}$ *bis* AN$_{-}$		07:49	00:18	04:16	*46m*	05:02	*41m*	05:44	*36m*	06:21	*13h 40m*	20:01	*36m*	20:38	*41m*	21:20	*47m*	22:07	*10h 17m*	*6h 05m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:42* – 04:10*	*1h 27m*	$M_{\searrow}$ *bis* AN$_{-}$		08:31	01:37	04:13	*47m*	05:00	*41m*	05:42	*36m*	06:18	*13h 43m*	20:02	*36m*	20:39	*42m*	21:22	*47m*	22:09	*10h 13m*	*6h 00m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:30* – 04:07*	*36m*	$M_{\searrow}$ *bis* AN$_{-}$		09:26	02:42	04:10	*47m*	04:57	*42m*	05:39	*36m*	06:16	*13h 47m*	20:04	*37m*	20:41	*42m*	21:24	*48m*	22:12	*10h 10m*	*5h 54m*				So, 14. Apr
Mo, 15. Apr	MESZ	04:03* – 04:04*	*0m*	$M_{\searrow}$ *bis* AN$_{-}$	◐	10:33	03:30	04:07	*48m*	04:55	*42m*	05:37	*37m*	06:14	*13h 51m*	20:06	*37m*	20:43	*42m*	21:26	*48m*	22:14	*10h 06m*	*5h 49m*				Mo, 15. Apr
Di, 16. Apr	MESZ	—:— – —:—	–	Mond stört		11:46	04:03	04:04	*48m*	04:52	*42m*	05:35	*37m*	06:12	*13h 55m*	20:07	*37m*	20:45	*42m*	21:28	*49m*	22:17	*10h 02m*	*5h 43m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:00	04:27	04:01	*49m*	04:50	*42m*	05:33	*37m*	06:10	*13h 58m*	20:09	*37m*	20:46	*43m*	21:30	*49m*	22:19	*9h 59m*	*5h 38m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:13	04:44	03:58	*49m*	04:47	*43m*	05:31	*37m*	06:08	*14h 02m*	20:11	*37m*	20:48	*43m*	21:32	*50m*	22:22	*9h 55m*	*5h 32m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:23	04:58	03:55	*50m*	04:45	*43m*	05:28	*37m*	06:06	*14h 06m*	20:12	*37m*	20:50	*43m*	21:34	*50m*	22:25	*9h 51m*	*5h 26m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:33	05:09	03:52	*50m*	04:42	*43m*	05:26	*37m*	06:04	*14h 09m*	20:14	*38m*	20:52	*44m*	21:36	*51m*	22:27	*9h 48m*	*5h 21m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:41	05:19	03:48	*51m*	04:40	*44m*	05:24	*37m*	06:02	*14h 13m*	20:15	*38m*	20:54	*44m*	21:38	*52m*	22:30	*9h 44m*	*5h 15m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		18:51	05:29	03:45	*52m*	04:37	*44m*	05:22	*38m*	06:00	*14h 17m*	20:17	*38m*	20:55	*44m*	21:40	*52m*	22:33	*9h 40m*	*5h 09m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		20:03	05:41	03:42	*52m*	04:35	*44m*	05:20	*38m*	05:58	*14h 20m*	20:19	*38m*	20:57	*44m*	21:42	*53m*	22:36	*9h 37m*	*5h 03m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:17	05:53	03:39	*53m*	04:33	*44m*	05:17	*38m*	05:56	*14h 24m*	20:20	*38m*	20:59	*45m*	21:44	*54m*	22:39	*9h 33m*	*4h 57m*				Mi, 24. Apr
Do, 25. Apr	MESZ	—:— – —:—	–	Mond stört		22:34	06:10	03:36	*54m*	04:30	*45m*	05:15	*38m*	05:54	*14h 27m*	20:22	*38m*	21:01	*45m*	21:46	*54m*	22:41	*9h 30m*	*4h 51m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:44 – 23:51	*1h 06m*	AN$_{+}$ *bis* M$_{\nearrow}$		23:51	06:32	03:33	*54m*	04:28	*45m*	05:13	*38m*	05:52	*14h 31m*	20:23	*39m*	21:03	*46m*	21:49	*55m*	22:44	*9h 26m*	*4h 45m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	22:47 – 01:02*	*2h 14m*	AN$_{+}$ *bis* M$_{\nearrow}$		—:—	07:03	03:29	*55m*	04:25	*46m*	05:11	*39m*	05:50	*14h 34m*	20:25	*39m*	21:04	*46m*	21:51	*56m*	22:47	*9h 23m*	*4h 38m*				Sa, 27. Apr
So, 28. Apr	MESZ	22:50 – 02:02*	*3h 11m*	AN$_{+}$ *bis* M$_{\nearrow}$		01:02	07:47	03:26	*56m*	04:23	*46m*	05:09	*39m*	05:48	*14h 38m*	20:27	*39m*	21:06	*46m*	21:53	*57m*	22:50	*9h 19m*	*4h 32m*				So, 28. Apr
Mo, 29. Apr	MESZ	22:53 – 02:47*	*3h 53m*	AN$_{+}$ *bis* M$_{\nearrow}$		02:02	08:48	03:23	*57m*	04:20	*46m*	05:07	*39m*	05:46	*14h 41m*	20:28	*39m*	21:08	*47m*	21:55	*58m*	22:53	*9h 16m*	*4h 26m*				Mo, 29. Apr
Di, 30. Apr	MESZ	22:57 – 03:16*	*4h 19m*	AN$_{+}$ *bis* AN$_{-}$		02:47	10:03	03:19	*58m*	04:18	*47m*	05:05	*39m*	05:45	*14h 45m*	20:30	*39m*	21:10	*47m*	21:57	*59m*	22:57	*9h 13m*	*4h 19m*				Di, 30. Apr
Mi, 1. Mai	MESZ	23:00 – 03:13*	*4h 13m*	AN$_{+}$ *bis* AN$_{-}$	◑	03:19	11:27	03:16	*59m*	04:15	*47m*	05:03	*39m*	05:43	*14h 48m*	20:31	*40m*	21:12	*47m*	21:59	*1h 00m*	23:00	*9h 09m*	*4h 13m*				Mi, 1. Mai
Do, 2. Mai	MESZ	23:03 – 03:09*	*4h 06m*	AN$_{+}$ *bis* AN$_{-}$		03:43	12:54	03:13	*1h 00m*	04:13	*47m*	05:01	*40m*	05:41	*14h 51m*	20:33	*40m*	21:13	*48m*	22:02	*1h 01m*	23:03	*9h 06m*	*4h 06m*				Do, 2. Mai
Fr, 3. Mai	MESZ	23:06 – 03:06*	*3h 59m*	AN$_{+}$ *bis* AN$_{-}$		04:00	14:22	03:09	*1h 01m*	04:11	*48m*	04:59	*40m*	05:39	*14h 55m*	20:35	*40m*	21:15	*48m*	22:04	*1h 02m*	23:06	*9h 02m*	*3h 59m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	23:10 – 03:02*	*3h 52m*	AN$_{+}$ *bis* AN$_{-}$		04:15	15:49	03:06	*1h 02m*	04:08	*48m*	04:57	*40m*	05:37	*14h 58m*	20:36	*40m*	21:17	*49m*	22:06	*1h 03m*	23:10	*8h 59m*	*3h 52m*				Sa, 4. Mai
So, 5. Mai	MESZ	23:13 – 02:59*	*3h 45m*	AN$_{+}$ *bis* AN$_{-}$		04:29	17:16	03:02	*1h 03m*	04:06	*49m*	04:55	*40m*	05:36	*15h 01m*	20:38	*41m*	21:19	*49m*	22:08	*1h 04m*	23:13	*8h 56m*	*3h 45m*				So, 5. Mai
Mo, 6. Mai	MESZ	23:16 – 02:55*	*3h 38m*	AN$_{+}$ *bis* AN$_{-}$		04:43	18:44	02:59	*1h 04m*	04:03	*49m*	04:53	*40m*	05:34	*15h 05m*	20:39	*41m*	21:20	*50m*	22:11	*1h 05m*	23:16	*8h 53m*	*3h 38m*				Mo, 6. Mai
Di, 7. Mai	MESZ	23:20 – 02:52*	*3h 31m*	AN$_{+}$ *bis* AN$_{-}$		04:59	20:15	02:55	*1h 05m*	04:01	*50m*	04:51	*41m*	05:32	*15h 08m*	20:41	*41m*	21:22	*50m*	22:13	*1h 07m*	23:20	*8h 49m*	*3h 31m*				Di, 7. Mai
Mi, 8. Mai	MESZ	23:24 – 02:48*	*3h 24m*	AN$_{+}$ *bis* AN$_{-}$	●	05:18	21:45	02:52	*1h 07m*	03:59	*50m*	04:49	*41m*	05:31	*15h 11m*	20:42	*41m*	21:24	*51m*	22:15	*1h 08m*	23:24	*8h 46m*	*3h 24m*				Mi, 8. Mai
Do, 9. Mai	MESZ	23:27 – 02:44*	*3h 16m*	AN$_{+}$ *bis* AN$_{-}$		05:44	23:11	02:48	*1h 08m*	03:56	*50m*	04:47	*41m*	05:29	*15h 14m*	20:44	*41m*	21:26	*51m*	22:17	*1h 10m*	23:27	*8h 43m*	*3h 16m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:25* – 02:40*	*2h 15m*	$M_{\searrow}$ *bis* AN$_{-}$		06:21	—:—	02:44	*1h 10m*	03:54	*51m*	04:46	*41m*	05:27	*15h 17m*	20:45	*42m*	21:28	*51m*	22:19	*1h 11m*	23:31	*8h 40m*	*3h 09m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	01:22* – 02:36*	*1h 14m*	$M_{\searrow}$ *bis* AN$_{-}$		07:11	00:25	02:40	*1h 11m*	03:52	*51m*	04:44	*42m*	05:26	*15h 20m*	20:47	*42m*	21:29	*52m*	22:22	*1h 13m*	23:35	*8h 37m*	*3h 01m*				Sa, 11. Mai
So, 12. Mai	MESZ	02:02* – 02:32*	*30m*	$M_{\searrow}$ *bis* AN$_{-}$		08:15	01:22	02:36	*1h 13m*	03:50	*52m*	04:42	*42m*	05:24	*15h 23m*	20:48	*42m*	21:31	*52m*	22:24	*1h 15m*	23:39	*8h 34m*	*2h 53m*				So, 12. Mai
Mo, 13. Mai	MESZ	—:— – —:—	–	Mond stört		09:28	02:02	02:32	*1h 15m*	03:47	*52m*	04:40	*42m*	05:23	*15h 26m*	20:50	*42m*	21:33	*53m*	22:26	*1h 17m*	23:43	*8h 31m*	*2h 44m*				Mo, 13. Mai
Di, 14. Mai	MESZ	—:— – —:—	–	Mond stört		10:44	02:30	02:28	*1h 16m*	03:45	*53m*	04:39	*42m*	05:21	*15h 29m*	20:51	*43m*	21:34	*53m*	22:28	*1h 19m*	23:47	*8h 28m*	*2h 36m*				Di, 14. Mai
Mi, 15. Mai	MESZ	—:— – —:—	–	Mond stört	◐	11:58	02:49	02:24	*1h 19m*	03:43	*53m*	04:37	*43m*	05:20	*15h 32m*	20:53	*43m*	21:36	*54m*	22:31	*1h 21m*	23:52	*8h 25m*	*2h 27m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:10	03:04	02:19	*1h 21m*	03:41	*54m*	04:35	*43m*	05:19	*15h 35m*	20:54	*43m*	21:38	*55m*	22:33	*1h 23m*	23:57	*8h 23m*	*2h 18m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:19	03:17	02:15	*1h 23m*	03:39	*55m*	04:34	*43m*	05:17	*15h 38m*	20:56	*43m*	21:39	*55m*	22:35	*1h 26m*	00:01*	*8h 20m*	*2h 08m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:28	03:27	02:10	*1h 26m*	03:36	*55m*	04:32	*43m*	05:16	*15h 41m*	20:57	*44m*	21:41	*56m*	22:37	*1h 29m*	00:07*	*8h 17m*	*1h 58m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:37	03:37	02:05	*1h 29m*	03:34	*56m*	04:30	*44m*	05:15	*15h 43m*	20:58	*44m*	21:43	*56m*	22:39	*1h 32m*	00:12*	*8h 14m*	*1h 47m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		17:48	03:48	02:00	*1h 32m*	03:32	*56m*	04:29	*44m*	05:13	*15h 46m*	21:00	*44m*	21:44	*57m*	22:42	*1h 36m*	00:18*	*8h 12m*	*1h 36m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		19:02	04:00	01:54	*1h 36m*	03:30	*57m*	04:27	*44m*	05:12	*15h 48m*	21:01	*44m*	21:46	*57m*	22:44	*1h 40m*	00:24*	*8h 09m*	*1h 23m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:19	04:15	01:48	*1h 40m*	03:28	*57m*	04:26	*44m*	05:11	*15h 51m*	21:02	*45m*	21:47	*58m*	22:46	*1h 46m*	00:32*	*8h 07m*	*1h 08m*				Mi, 22. Mai
Do, 23. Mai	MESZ	—:— – —:—	–	Mond stört	○	21:37	04:35	01:40	*1h 46m*	03:26	*58m*	04:25	*45m*	05:10	*15h 53m*	21:04	*45m*	21:49	*58m*	22:48	*1h 53m*	00:41*	*8h 04m*	*49m*				Do, 23. Mai
Fr, 24. Mai	MESZ	—:— – —:—	–	Mond stört		22:51	05:04	01:31	*1h 53m*	03:24	*58m*	04:23	*45m*	05:09	*15h 56m*	21:05	*45m*	21:51	*59m*	22:50	*2h 07m*	00:57*	*8h 02m*	*17m*				Fr, 24. Mai
Sa, 25. Mai	MESZ			Astr. MD		23:56	05:44	01:15	*2h 07m*	03:23	*59m*	04:22	*45m*	05:08	*15h 58m*	21:06	*45m*	21:52	*1h 00m*	22:52		—:—	*8h 00m*		22:52 – 23:56	*1h 03m*	ND$_{+}$ *bis* M$_{\nearrow}$	Sa, 25. Mai
So, 26. Mai	MESZ			Astr. MD		—:—	06:40	—:—		03:21	*1h 00m*	04:21	*45m*	05:07	*16h 00m*	21:07	*46m*	21:53	*1h 00m*	22:54		—:—	*7h 58m*		22:54 – 00:46*	*1h 51m*	ND$_{+}$ *bis* M$_{\nearrow}$	So, 26. Mai
Mo, 27. Mai	MESZ			Astr. MD		00:46	07:52	—:—		03:19	*1h 00m*	04:20	*46m*	05:06	*16h 03m*	21:09	*46m*	21:55	*1h 01m*	22:56		—:—	*7h 55m*		22:56 – 01:22*	*2h 25m*	ND$_{+}$ *bis* M$_{\nearrow}$	Mo, 27. Mai
Di, 28. Mai	MESZ			Astr. MD		01:22	09:15	—:—		03:17	*1h 01m*	04:18	*46m*	05:05	*16h 05m*	21:10	*46m*	21:56	*1h 01m*	22:58		—:—	*7h 53m*		22:58 – 01:48*	*2h 49m*	ND$_{+}$ *bis* M$_{\nearrow}$	Di, 28. Mai
Mi, 29. Mai	MESZ			Astr. MD		01:48	10:41	—:—		03:16	*1h 01m*	04:17	*46m*	05:04	*16h 07m*	21:11	*46m*	21:58	*1h 02m*	23:00		—:—	*7h 51m*		23:00 – 02:07*	*3h 06m*	ND$_{+}$ *bis* M$_{\nearrow}$	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			Astr. MD	◑	02:07	12:07	—:—		03:14	*1h 02m*	04:16	*46m*	05:03	*16h 09m*	21:12	*46m*	21:59	*1h 02m*	23:02		—:—	*7h 50m*		23:02 – 02:22*	*3h 20m*	ND$_+$ *bis* M↗	Do, 30. Mai
Fr, 31. Mai	MESZ			Astr. MD		02:22	13:32	—:—		03:12	*1h 02m*	04:15	*46m*	05:02	*16h 11m*	21:13	*47m*	22:00	*1h 03m*	23:04		—:—	*7h 48m*		23:04 – 02:36*	*3h 32m*	ND$_+$ *bis* M↗	Fr, 31. Mai
Sa, 1. Jun	MESZ			Astr. MD		02:36	14:56	—:—		03:11	*1h 03m*	04:14	*47m*	05:01	*16h 12m*	21:14	*47m*	22:02	*1h 03m*	23:05		—:—	*7h 46m*		23:05 – 02:49*	*3h 43m*	ND$_+$ *bis* M↗	Sa, 1. Jun
So, 2. Jun	MESZ			Astr. MD		02:49	16:21	—:—		03:09	*1h 03m*	04:13	*47m*	05:01	*16h 14m*	21:15	*47m*	22:03	*1h 04m*	23:07		—:—	*7h 44m*		23:07 – 03:03*	*3h 56m*	ND$_+$ *bis* M↗	So, 2. Jun
Mo, 3. Jun	MESZ			Astr. MD		03:03	17:48	—:—		03:08	*1h 04m*	04:12	*47m*	05:00	*16h 16m*	21:16	*47m*	22:04	*1h 04m*	23:09		—:—	*7h 43m*		23:09 – 03:07*	*3h 57m*	ND$_+$ *bis* ND$_-$	Mo, 3. Jun
Di, 4. Jun	MESZ			Astr. MD		03:21	19:17	—:—		03:07	*1h 04m*	04:12	*47m*	04:59	*16h 17m*	21:17	*47m*	22:05	*1h 05m*	23:10		—:—	*7h 41m*		23:10 – 03:05*	*3h 55m*	ND$_+$ *bis* ND$_-$	Di, 4. Jun
Mi, 5. Jun	MESZ			Astr. MD		03:43	20:44	—:—		03:05	*1h 05m*	04:11	*47m*	04:59	*16h 19m*	21:18	*48m*	22:06	*1h 05m*	23:12		—:—	*7h 40m*		23:12 – 03:04*	*3h 52m*	ND$_+$ *bis* ND$_-$	Mi, 5. Jun
Do, 6. Jun	MESZ			Astr. MD	●	04:15	22:03	—:—		03:04	*1h 05m*	04:10	*48m*	04:58	*16h 20m*	21:19	*48m*	22:07	*1h 06m*	23:13		—:—	*7h 38m*		23:13 – 03:03*	*3h 49m*	ND$_+$ *bis* ND$_-$	Do, 6. Jun
Fr, 7. Jun	MESZ			Astr. MD		04:58	23:08	—:—		03:03	*1h 06m*	04:09	*48m*	04:58	*16h 22m*	21:20	*48m*	22:08	*1h 06m*	23:15		—:—	*7h 37m*		23:15 – 03:02*	*3h 47m*	ND$_+$ *bis* ND$_-$	Fr, 7. Jun
Sa, 8. Jun	MESZ			Astr. MD		05:57	23:56	—:—		03:02	*1h 06m*	04:09	*48m*	04:57	*16h 23m*	21:21	*48m*	22:09	*1h 07m*	23:16		—:—	*7h 36m*		23:56 – 03:01*	*3h 05m*	M↘ *bis* ND$_-$	Sa, 8. Jun
So, 9. Jun	MESZ			Astr. MD		07:08	—:—	—:—		03:01	*1h 07m*	04:08	*48m*	04:57	*16h 24m*	21:21	*48m*	22:10	*1h 07m*	23:17		—:—	*7h 35m*		00:29* – 03:00*	*2h 31m*	M↘ *bis* ND$_-$	So, 9. Jun
Mo, 10. Jun	MESZ			Astr. MD		08:24	00:29	—:—		03:00	*1h 07m*	04:08	*48m*	04:57	*16h 25m*	21:22	*48m*	22:11	*1h 07m*	23:19		—:—	*7h 34m*		00:52* – 03:00*	*2h 07m*	M↘ *bis* ND$_-$	Mo, 10. Jun
Di, 11. Jun	MESZ			Astr. MD		09:40	00:52	—:—		03:00	*1h 07m*	04:08	*48m*	04:56	*16h 26m*	21:23	*48m*	22:12	*1h 08m*	23:20		—:—	*7h 33m*		01:09* – 02:59*	*1h 49m*	M↘ *bis* ND$_-$	Di, 11. Jun
Mi, 12. Jun	MESZ			Astr. MD		10:54	01:09	—:—		02:59	*1h 08m*	04:07	*48m*	04:56	*16h 27m*	21:23	*48m*	22:12	*1h 08m*	23:21		—:—	*7h 32m*		01:23* – 02:58*	*1h 35m*	M↘ *bis* ND$_-$	Mi, 12. Jun
Do, 13. Jun	MESZ			Astr. MD		12:04	01:23	—:—		02:58	*1h 08m*	04:07	*48m*	04:56	*16h 27m*	21:24	*49m*	22:13	*1h 08m*	23:22		—:—	*7h 31m*		01:34* – 02:58*	*1h 23m*	M↘ *bis* ND$_-$	Do, 13. Jun
Fr, 14. Jun	MESZ			Astr. MD	◐	13:13	01:34	—:—		02:58	*1h 08m*	04:07	*49m*	04:56	*16h 28m*	21:24	*49m*	22:14	*1h 09m*	23:23		—:—	*7h 31m*		01:44* – 02:57*	*1h 13m*	M↘ *bis* ND$_-$	Fr, 14. Jun
Sa, 15. Jun	MESZ			Astr. MD		14:22	01:44	—:—		02:57	*1h 09m*	04:06	*49m*	04:56	*16h 29m*	21:25	*49m*	22:14	*1h 09m*	23:23		—:—	*7h 30m*		01:55* – 02:57*	*1h 02m*	M↘ *bis* ND$_-$	Sa, 15. Jun
So, 16. Jun	MESZ			Astr. MD		15:32	01:55	—:—		02:57	*1h 09m*	04:06	*49m*	04:56	*16h 29m*	21:25	*49m*	22:15	*1h 09m*	23:24		—:—	*7h 30m*		02:06* – 02:57*	*50m*	M↘ *bis* ND$_-$	So, 16. Jun
Mo, 17. Jun	MESZ			Astr. MD		16:44	02:06	—:—		02:57	*1h 09m*	04:06	*49m*	04:56	*16h 30m*	21:26	*49m*	22:15	*1h 09m*	23:25		—:—	*7h 29m*		02:20* – 02:57*	*36m*	M↘ *bis* ND$_-$	Mo, 17. Jun
Di, 18. Jun	MESZ			Astr. MD		17:59	02:20	—:—		02:57	*1h 09m*	04:06	*49m*	04:56	*16h 30m*	21:26	*49m*	22:15	*1h 09m*	23:25		—:—	*7h 29m*		02:38* – 02:57*	*18m*	M↘ *bis* ND$_-$	Di, 18. Jun
Mi, 19. Jun	MESZ			Astr. MD		19:17	02:38	—:—		02:57	*1h 09m*	04:06	*49m*	04:56	*16h 30m*	21:26	*49m*	22:16	*1h 09m*	23:25		—:—	*7h 29m*		—:— – —:—	–	Mond stört	Mi, 19. Jun
Do, 20. Jun	MESZ			Astr. MD		20:34	03:03	—:—		02:57	*1h 09m*	04:07	*49m*	04:56	*16h 30m*	21:27	*49m*	22:16	*1h 09m*	23:26		—:—	*7h 29m*		—:— – —:—	–	Mond stört	Do, 20. Jun
Fr, 21. Jun	MESZ			Astr. MD		21:44	03:38	—:—		02:57	*1h 09m*	04:07	*49m*	04:56	*16h 30m*	21:27	*49m*	22:16	*1h 09m*	23:26		—:—	*7h 29m*		—:— – —:—	–	Mond stört	Fr, 21. Jun
Sa, 22. Jun	MESZ			Astr. MD	○	22:41	04:29	—:—		02:57	*1h 09m*	04:07	*49m*	04:56	*16h 30m*	21:27	*49m*	22:16	*1h 09m*	23:26		—:—	*7h 29m*		—:— – —:—	–	Mond stört	Sa, 22. Jun
So, 23. Jun	MESZ			Astr. MD		23:22	05:37	—:—		02:58	*1h 09m*	04:07	*49m*	04:57	*16h 30m*	21:27	*49m*	22:16	*1h 09m*	23:26		—:—	*7h 30m*		—:— – —:—	–	Mond stört	So, 23. Jun
Mo, 24. Jun	MESZ			Astr. MD		23:51	06:59	—:—		02:58	*1h 09m*	04:08	*49m*	04:57	*16h 29m*	21:27	*49m*	22:16	*1h 09m*	23:26		—:—	*7h 30m*		23:26 – 23:51	*25m*	ND$_+$ *bis* M↗	Mo, 24. Jun
Di, 25. Jun	MESZ			Astr. MD		—:—	08:27	—:—		02:59	*1h 09m*	04:08	*49m*	04:57	*16h 29m*	21:27	*49m*	22:16	*1h 09m*	23:25		—:—	*7h 30m*		23:25 – 00:12*	*46m*	ND$_+$ *bis* M↗	Di, 25. Jun
Mi, 26. Jun	MESZ			Astr. MD		00:12	09:54	—:—		02:59	*1h 09m*	04:09	*49m*	04:58	*16h 29m*	21:27	*49m*	22:16	*1h 09m*	23:25		—:—	*7h 31m*		23:25 – 00:29*	*1h 03m*	ND$_+$ *bis* M↗	Mi, 26. Jun
Do, 27. Jun	MESZ			Astr. MD		00:29	11:20	—:—		03:00	*1h 09m*	04:09	*49m*	04:58	*16h 28m*	21:27	*49m*	22:16	*1h 08m*	23:25		—:—	*7h 32m*		23:25 – 00:43*	*1h 18m*	ND$_+$ *bis* M↗	Do, 27. Jun
Fr, 28. Jun	MESZ			Astr. MD	◑	00:43	12:44	—:—		03:01	*1h 08m*	04:10	*49m*	04:59	*16h 27m*	21:27	*48m*	22:16	*1h 08m*	23:24		—:—	*7h 32m*		23:24 – 00:56*	*1h 31m*	ND$_+$ *bis* M↗	Fr, 28. Jun
Sa, 29. Jun	MESZ			Astr. MD		00:56	14:08	—:—		03:02	*1h 08m*	04:10	*48m*	04:59	*16h 27m*	21:27	*48m*	22:15	*1h 08m*	23:24		—:—	*7h 33m*		23:24 – 01:10*	*1h 46m*	ND$_+$ *bis* M↗	Sa, 29. Jun
So, 30. Jun	MESZ			Astr. MD		01:10	15:33	—:—		03:03	*1h 08m*	04:11	*48m*	05:00	*16h 26m*	21:26	*48m*	22:15	*1h 07m*	23:23		—:—	*7h 34m*		23:23 – 01:26*	*2h 02m*	ND$_+$ *bis* M↗	So, 30. Jun
Mo, 1. Jul	MESZ			Astr. MD		01:26	16:59	—:—		03:04	*1h 07m*	04:12	*48m*	05:01	*16h 25m*	21:26	*48m*	22:15	*1h 07m*	23:22		—:—	*7h 35m*		23:22 – 01:46*	*2h 23m*	ND$_+$ *bis* M↗	Mo, 1. Jul
Di, 2. Jul	MESZ			Astr. MD		01:46	18:25	—:—		03:05	*1h 07m*	04:13	*48m*	05:01	*16h 24m*	21:26	*48m*	22:14	*1h 07m*	23:21		—:—	*7h 36m*		23:21 – 02:13*	*2h 51m*	ND$_+$ *bis* M↗	Di, 2. Jul
Mi, 3. Jul	MESZ			Astr. MD		02:13	19:46	—:—		03:07	*1h 07m*	04:14	*48m*	05:02	*16h 23m*	21:25	*48m*	22:14	*1h 06m*	23:20		—:—	*7h 37m*		23:20 – 02:51*	*3h 30m*	ND$_+$ *bis* M↗	Mi, 3. Jul
Do, 4. Jul	MESZ			Astr. MD		02:51	20:56	—:—		03:08	*1h 06m*	04:15	*48m*	05:03	*16h 21m*	21:25	*48m*	22:13	*1h 06m*	23:19		—:—	*7h 39m*		23:19 – 03:09*	*3h 50m*	ND$_+$ *bis* ND$_-$	Do, 4. Jul
Fr, 5. Jul	MESZ			Astr. MD		03:43	21:50	—:—		03:09	*1h 06m*	04:16	*48m*	05:04	*16h 20m*	21:24	*48m*	22:12	*1h 05m*	23:18		—:—	*7h 40m*		23:18 – 03:11*	*3h 52m*	ND$_+$ *bis* ND$_-$	Fr, 5. Jul
Sa, 6. Jul	MESZ			Astr. MD	●	04:49	22:28	—:—		03:11	*1h 05m*	04:17	*48m*	05:05	*16h 19m*	21:24	*47m*	22:12	*1h 05m*	23:17		—:—	*7h 41m*		23:17 – 03:12*	*3h 55m*	ND$_+$ *bis* ND$_-$	Sa, 6. Jul
So, 7. Jul	MESZ			Astr. MD		06:04	22:55	—:—		03:12	*1h 05m*	04:18	*47m*	05:06	*16h 17m*	21:23	*47m*	22:11	*1h 04m*	23:16		—:—	*7h 43m*		23:16 – 03:14*	*3h 58m*	ND$_+$ *bis* ND$_-$	So, 7. Jul
Mo, 8. Jul	MESZ			Astr. MD		07:21	23:14	—:—		03:14	*1h 04m*	04:19	*47m*	05:06	*16h 15m*	21:22	*47m*	22:10	*1h 04m*	23:14		—:—	*7h 44m*		23:14 – 03:16*	*4h 01m*	ND$_+$ *bis* ND$_-$	Mo, 8. Jul
Di, 9. Jul	MESZ			Astr. MD		08:36	23:28	—:—		03:16	*1h 04m*	04:20	*47m*	05:07	*16h 14m*	21:22	*47m*	22:09	*1h 03m*	23:13		—:—	*7h 46m*		23:28 – 03:17*	*3h 48m*	M↘ *bis* ND$_-$	Di, 9. Jul
Mi, 10. Jul	MESZ			Astr. MD		09:49	23:40	—:—		03:17	*1h 03m*	04:21	*47m*	05:08	*16h 12m*	21:21	*47m*	22:08	*1h 03m*	23:11		—:—	*7h 48m*		23:40 – 03:19*	*3h 38m*	M↘ *bis* ND$_-$	Mi, 10. Jul
Do, 11. Jul	MESZ			Astr. MD		10:59	23:51	—:—		03:19	*1h 03m*	04:22	*47m*	05:09	*16h 10m*	21:20	*46m*	22:07	*1h 02m*	23:10		—:—	*7h 50m*		23:51 – 03:21*	*3h 29m*	M↘ *bis* ND$_-$	Do, 11. Jul
Fr, 12. Jul	MESZ			Astr. MD		12:07	—:—	—:—		03:21	*1h 02m*	04:24	*46m*	05:10	*16h 08m*	21:19	*46m*	22:06	*1h 02m*	23:08		—:—	*7h 52m*		00:01* – 03:23*	*3h 21m*	M↘ *bis* ND$_-$	Fr, 12. Jul
Sa, 13. Jul	MESZ			Astr. MD		13:16	00:01	—:—		03:23	*1h 02m*	04:25	*46m*	05:12	*16h 06m*	21:19	*46m*	22:05	*1h 01m*	23:07		—:—	*7h 54m*		00:12* – 03:25*	*3h 12m*	M↘ *bis* ND$_-$	Sa, 13. Jul
So, 14. Jul	MESZ			Astr. MD	◐	14:26	00:12	—:—		03:25	*1h 01m*	04:26	*46m*	05:13	*16h 04m*	21:18	*46m*	22:04	*1h 01m*	23:05		—:—	*7h 56m*		00:25* – 03:27*	*3h 01m*	M↘ *bis* ND$_-$	So, 14. Jul
Mo, 15. Jul	MESZ			Astr. MD		15:39	00:25	—:—		03:27	*1h 01m*	04:28	*46m*	05:14	*16h 02m*	21:17	*46m*	22:03	*1h 00m*	23:03		—:—	*7h 58m*		00:40* – 03:28*	*2h 48m*	M↘ *bis* ND$_-$	Mo, 15. Jul
Di, 16. Jul	MESZ			Astr. MD		16:56	00:40	—:—		03:28	*1h 00m*	04:29	*46m*	05:15	*16h 00m*	21:16	*45m*	22:01	*59m*	23:01		—:—	*8h 00m*		01:01* – 03:30*	*2h 29m*	M↘ *bis* ND$_-$	Di, 16. Jul
Mi, 17. Jul	MESZ	—:— – —:—	–	Mond stört		18:13	01:01	—:—		03:30	*59m*	04:30	*45m*	05:16	*15h 58m*	21:15	*45m*	22:00	*59m*	23:00	*2h 04m*	01:04*	*8h 02m*	*23m*				Mi, 17. Jul
Do, 18. Jul	MESZ	—:— – —:—	–	Mond stört		19:27	01:31	01:28	*2h 04m*	03:32	*59m*	04:32	*45m*	05:17	*15h 56m*	21:13	*45m*	21:59	*58m*	22:58	*1h 52m*	00:50*	*8h 05m*	*51m*				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		20:30	02:15	01:42	*1h 52m*	03:34	*58m*	04:33	*45m*	05:19	*15h 53m*	21:12	*45m*	21:57	*58m*	22:56	*1h 45m*	00:41*	*8h 07m*	*1h 09m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:——:—	–	Mond stört		21:18	03:17	01:51	*1h 45m*	03:37	*58m*	04:35	*45m*	05:20	*15h 51m*	21:11	*44m*	21:56	*57m*	22:54	*1h 40m*	00:34*	*8h 10m*	*1h 24m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:——:—	–	Mond stört	○	21:52	04:35	01:58	*1h 40m*	03:39	*57m*	04:36	*44m*	05:21	*15h 48m*	21:10	*44m*	21:55	*57m*	22:52	*1h 36m*	00:28*	*8h 12m*	*1h 36m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:——:—	–	Mond stört		22:16	06:03	02:05	*1h 36m*	03:41	*57m*	04:38	*44m*	05:23	*15h 46m*	21:09	*44m*	21:53	*56m*	22:50	*1h 32m*	00:22*	*8h 15m*	*1h 48m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:——:—	–	Mond stört		22:35	07:34	02:10	*1h 32m*	03:43	*56m*	04:39	*44m*	05:24	*15h 43m*	21:07	*44m*	21:52	*56m*	22:48	*1h 29m*	00:17*	*8h 17m*	*1h 59m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:——:—	–	Mond stört		22:50	09:03	02:16	*1h 29m*	03:45	*56m*	04:41	*44m*	05:25	*15h 40m*	21:06	*43m*	21:50	*55m*	22:46	*1h 26m*	00:12*	*8h 20m*	*2h 09m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:——:—	–	Mond stört		23:03	10:30	02:21	*1h 26m*	03:47	*55m*	04:43	*43m*	05:27	*15h 38m*	21:05	*43m*	21:48	*55m*	22:43	*1h 23m*	00:07*	*8h 23m*	*2h 18m*				Do, 25. Jul
Fr, 26. Jul	MESZ	—:——:—	–	Mond stört		23:17	11:55	02:26	*1h 23m*	03:49	*55m*	04:44	*43m*	05:28	*15h 35m*	21:03	*43m*	21:47	*54m*	22:41	*1h 21m*	00:02*	*8h 25m*	*2h 27m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	—:——:—	–	Mond stört		23:32	13:21	02:30	*1h 21m*	03:51	*54m*	04:46	*43m*	05:29	*15h 32m*	21:02	*43m*	21:45	*53m*	22:39	*1h 18m*	23:58	*8h 28m*	*2h 36m*				Sa, 27. Jul
So, 28. Jul	MESZ	—:——:—	–	Mond stört	◑	23:50	14:47	02:35	*1h 19m*	03:54	*53m*	04:48	*43m*	05:31	*15h 29m*	21:00	*42m*	21:43	*53m*	22:37	*1h 16m*	23:54	*8h 31m*	*2h 44m*				So, 28. Jul
Mo, 29. Jul	MESZ	23:50 – 00:15*	*24m*	AN$_+$ *bis* M$_↗$		—:—	16:12	02:39	*1h 16m*	03:56	*53m*	04:49	*42m*	05:32	*15h 26m*	20:59	*42m*	21:42	*52m*	22:35	*1h 15m*	23:50	*8h 34m*	*2h 53m*				Mo, 29. Jul
Di, 30. Jul	MESZ	23:46 – 00:48*	*1h 02m*	AN$_+$ *bis* M$_↗$		00:15	17:35	02:43	*1h 15m*	03:58	*52m*	04:51	*42m*	05:34	*15h 23m*	20:57	*42m*	21:40	*52m*	22:32	*1h 13m*	23:46	*8h 37m*	*3h 01m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:42 – 01:35*	*1h 53m*	AN$_+$ *bis* M$_↗$		00:48	18:48	02:47	*1h 13m*	04:00	*52m*	04:53	*42m*	05:35	*15h 20m*	20:56	*42m*	21:38	*51m*	22:30	*1h 11m*	23:42	*8h 40m*	*3h 08m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:38 – 02:36*	*2h 58m*	AN$_+$ *bis* M$_↗$		01:35	19:46	02:51	*1h 11m*	04:02	*51m*	04:54	*42m*	05:36	*15h 17m*	20:54	*41m*	21:36	*51m*	22:28	*1h 10m*	23:38	*8h 43m*	*3h 16m*				Do, 1. Aug
Fr, 2. Aug	MESZ	23:34 – 02:58*	*3h 23m*	AN$_+$ *bis* AN$_-$		02:36	20:28	02:54	*1h 10m*	04:04	*51m*	04:56	*41m*	05:38	*15h 14m*	20:53	*41m*	21:34	*51m*	22:25	*1h 08m*	23:34	*8h 46m*	*3h 23m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	23:30 – 03:02*	*3h 31m*	AN$_+$ *bis* AN$_-$		03:48	20:58	02:58	*1h 08m*	04:07	*51m*	04:58	*41m*	05:39	*15h 11m*	20:51	*41m*	21:33	*50m*	22:23	*1h 07m*	23:30	*8h 49m*	*3h 31m*				Sa, 3. Aug
So, 4. Aug	MESZ	23:27 – 03:05*	*3h 38m*	AN$_+$ *bis* AN$_-$	●	05:04	21:19	03:02	*1h 07m*	04:09	*50m*	04:59	*41m*	05:41	*15h 08m*	20:49	*41m*	21:31	*50m*	22:21	*1h 05m*	23:27	*8h 52m*	*3h 38m*				So, 4. Aug
Mo, 5. Aug	MESZ	23:23 – 03:08*	*3h 45m*	AN$_+$ *bis* AN$_-$		06:20	21:35	03:05	*1h 05m*	04:11	*50m*	05:01	*41m*	05:42	*15h 05m*	20:48	*41m*	21:29	*49m*	22:18	*1h 04m*	23:23	*8h 56m*	*3h 45m*				Mo, 5. Aug
Di, 6. Aug	MESZ	23:19 – 03:12*	*3h 52m*	AN$_+$ *bis* AN$_-$		07:34	21:47	03:08	*1h 04m*	04:13	*49m*	05:03	*41m*	05:44	*15h 02m*	20:46	*40m*	21:27	*49m*	22:16	*1h 03m*	23:19	*8h 59m*	*3h 52m*				Di, 6. Aug
Mi, 7. Aug	MESZ	23:16 – 03:15*	*3h 59m*	AN$_+$ *bis* AN$_-$		08:45	21:58	03:12	*1h 03m*	04:15	*49m*	05:05	*40m*	05:45	*14h 58m*	20:44	*40m*	21:25	*48m*	22:14	*1h 02m*	23:16	*9h 02m*	*3h 59m*				Mi, 7. Aug
Do, 8. Aug	MESZ	23:12 – 03:18*	*4h 05m*	AN$_+$ *bis* AN$_-$		09:54	22:08	03:15	*1h 02m*	04:17	*48m*	05:06	*40m*	05:47	*14h 55m*	20:42	*40m*	21:23	*48m*	22:11	*1h 01m*	23:12	*9h 05m*	*4h 05m*				Do, 8. Aug
Fr, 9. Aug	MESZ	23:09 – 03:21*	*4h 12m*	AN$_+$ *bis* AN$_-$		11:02	22:19	03:18	*1h 01m*	04:20	*48m*	05:08	*40m*	05:48	*14h 52m*	20:41	*40m*	21:21	*47m*	22:09	*1h 00m*	23:09	*9h 09m*	*4h 12m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	23:06 – 03:24*	*4h 18m*	AN$_+$ *bis* AN$_-$		12:12	22:30	03:21	*1h 00m*	04:22	*47m*	05:10	*40m*	05:50	*14h 48m*	20:39	*39m*	21:19	*47m*	22:06	*59m*	23:06	*9h 12m*	*4h 18m*				Sa, 10. Aug
So, 11. Aug	MESZ	23:02 – 03:28*	*4h 25m*	AN$_+$ *bis* AN$_-$		13:23	22:44	03:24	*59m*	04:24	*47m*	05:11	*39m*	05:51	*14h 45m*	20:37	*39m*	21:17	*47m*	22:04	*58m*	23:02	*9h 15m*	*4h 25m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:02 – 03:30*	*4h 28m*	M$_↘$ *bis* AN$_-$	◐	14:37	23:02	03:28	*58m*	04:26	*47m*	05:13	*39m*	05:53	*14h 42m*	20:35	*39m*	21:15	*46m*	22:01	*57m*	22:59	*9h 19m*	*4h 31m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:27 – 03:33*	*4h 06m*	M$_↘$ *bis* AN$_-$		15:53	23:27	03:30	*57m*	04:28	*46m*	05:15	*39m*	05:54	*14h 38m*	20:33	*39m*	21:13	*46m*	21:59	*56m*	22:56	*9h 22m*	*4h 37m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:03* – 03:36*	*3h 32m*	M$_↘$ *bis* AN$_-$		17:07	—:—	03:33	*56m*	04:30	*46m*	05:17	*39m*	05:56	*14h 35m*	20:31	*39m*	21:10	*46m*	21:56	*55m*	22:52	*9h 26m*	*4h 43m*				Mi, 14. Aug
Do, 15. Aug	MESZ	00:56* – 03:39*	*2h 43m*	M$_↘$ *bis* AN$_-$		18:15	00:03	03:36	*55m*	04:32	*46m*	05:18	*39m*	05:57	*14h 31m*	20:29	*38m*	21:08	*45m*	21:54	*55m*	22:49	*9h 29m*	*4h 50m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:06* – 03:42*	*1h 36m*	M$_↘$ *bis* AN$_-$		19:09	00:56	03:39	*55m*	04:34	*45m*	05:20	*38m*	05:59	*14h 28m*	20:27	*38m*	21:06	*45m*	21:52	*54m*	22:46	*9h 33m*	*4h 56m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	03:30* – 03:45*	*14m*	M$_↘$ *bis* AN$_-$		19:49	02:06	03:42	*54m*	04:36	*45m*	05:22	*38m*	06:01	*14h 24m*	20:25	*38m*	21:04	*45m*	21:49	*53m*	22:43	*9h 36m*	*5h 02m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:——:—	–	Mond stört		20:17	03:30	03:45	*53m*	04:38	*45m*	05:23	*38m*	06:02	*14h 21m*	20:23	*38m*	21:02	*44m*	21:47	*52m*	22:39	*9h 40m*	*5h 07m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:——:—	–	Mond stört	○	20:38	05:02	03:47	*52m*	04:40	*44m*	05:25	*38m*	06:04	*14h 17m*	20:21	*38m*	21:00	*44m*	21:44	*52m*	22:36	*9h 43m*	*5h 13m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:——:—	–	Mond stört		20:55	06:34	03:50	*52m*	04:43	*44m*	05:27	*38m*	06:05	*14h 14m*	20:19	*38m*	20:57	*44m*	21:42	*51m*	22:33	*9h 47m*	*5h 19m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:——:—	–	Mond stört		21:09	08:05	03:53	*51m*	04:45	*44m*	05:29	*38m*	06:07	*14h 10m*	20:17	*37m*	20:55	*43m*	21:39	*51m*	22:30	*9h 50m*	*5h 25m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:——:—	–	Mond stört		21:23	09:34	03:55	*51m*	04:47	*43m*	05:30	*37m*	06:08	*14h 07m*	20:15	*37m*	20:53	*43m*	21:37	*50m*	22:27	*9h 54m*	*5h 30m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:——:—	–	Mond stört		21:37	11:02	03:58	*50m*	04:49	*43m*	05:32	*37m*	06:10	*14h 03m*	20:13	*37m*	20:51	*43m*	21:34	*49m*	22:24	*9h 58m*	*5h 36m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	—:——:—	–	Mond stört		21:55	12:31	04:01	*49m*	04:50	*43m*	05:34	*37m*	06:11	*13h 59m*	20:11	*37m*	20:49	*42m*	21:31	*49m*	22:21	*10h 01m*	*5h 42m*				Sa, 24. Aug
So, 25. Aug	MESZ	—:——:—	–	Mond stört		22:17	13:59	04:03	*49m*	04:52	*42m*	05:35	*37m*	06:13	*13h 56m*	20:09	*37m*	20:46	*42m*	21:29	*48m*	22:18	*10h 05m*	*5h 47m*				So, 25. Aug
Mo, 26. Aug	MESZ	22:15 – 22:48	*33m*	AN$_+$ *bis* M$_↗$	◑	22:48	15:24	04:06	*48m*	04:54	*42m*	05:37	*37m*	06:14	*13h 52m*	20:07	*37m*	20:44	*42m*	21:26	*48m*	22:15	*10h 08m*	*5h 53m*				Mo, 26. Aug
Di, 27. Aug	MESZ	22:12 – 23:31	*1h 18m*	AN$_+$ *bis* M$_↗$		23:31	16:41	04:08	*48m*	04:56	*42m*	05:39	*37m*	06:16	*13h 48m*	20:05	*36m*	20:42	*42m*	21:24	*47m*	22:12	*10h 12m*	*5h 58m*				Di, 27. Aug
Mi, 28. Aug	MESZ	22:09 – 00:27*	*2h 18m*	AN$_+$ *bis* M$_↗$		—:—	17:44	04:10	*47m*	04:58	*42m*	05:40	*36m*	06:17	*13h 45m*	20:03	*36m*	20:40	*41m*	21:21	*47m*	22:09	*10h 16m*	*6h 03m*				Mi, 28. Aug
Do, 29. Aug	MESZ	22:06 – 01:36*	*3h 30m*	AN$_+$ *bis* M$_↗$		00:27	18:30	04:13	*47m*	05:00	*41m*	05:42	*36m*	06:19	*13h 41m*	20:01	*36m*	20:37	*41m*	21:19	*46m*	22:06	*10h 19m*	*6h 09m*				Do, 29. Aug
Fr, 30. Aug	MESZ	22:03 – 02:51*	*4h 48m*	AN$_+$ *bis* M$_↗$		01:36	19:02	04:15	*47m*	05:02	*41m*	05:44	*36m*	06:21	*13h 37m*	19:58	*36m*	20:35	*41m*	21:16	*46m*	22:03	*10h 23m*	*6h 14m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	22:00 – 04:07*	*6h 06m*	AN$_+$ *bis* M$_↗$		02:51	19:25	04:17	*46m*	05:04	*41m*	05:45	*36m*	06:22	*13h 34m*	19:56	*36m*	20:33	*41m*	21:14	*46m*	22:00	*10h 27m*	*6h 19m*				Sa, 31. Aug
So, 1. Sep	MESZ	21:57 – 04:22*	*6h 24m*	AN$_+$ *bis* AN$_-$		04:07	19:42	04:20	*46m*	05:06	*41m*	05:47	*36m*	06:24	*13h 30m*	19:54	*36m*	20:30	*40m*	21:11	*45m*	21:57	*10h 31m*	*6h 24m*				So, 1. Sep
Mo, 2. Sep	MESZ	21:54 – 04:24*	*6h 30m*	AN$_+$ *bis* AN$_-$		05:21	19:56	04:22	*45m*	05:08	*41m*	05:49	*36m*	06:25	*13h 26m*	19:52	*36m*	20:28	*40m*	21:09	*45m*	21:54	*10h 34m*	*6h 30m*				Mo, 2. Sep
Di, 3. Sep	MESZ	21:51 – 04:26*	*6h 35m*	AN$_+$ *bis* AN$_-$	●	06:33	20:07	04:24	*45m*	05:10	*40m*	05:50	*36m*	06:27	*13h 23m*	19:50	*36m*	20:26	*40m*	21:06	*44m*	21:51	*10h 38m*	*6h 35m*				Di, 3. Sep
Mi, 4. Sep	MESZ	21:49 – 04:29*	*6h 40m*	AN$_+$ *bis* AN$_-$		07:42	20:17	04:26	*45m*	05:12	*40m*	05:52	*36m*	06:28	*13h 19m*	19:48	*35m*	20:23	*40m*	21:04	*44m*	21:49	*10h 42m*	*6h 40m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:46 – 04:31*	*6h 45m*	AN$_+$ *bis* AN$_-$		08:51	20:27	04:29	*44m*	05:13	*40m*	05:54	*36m*	06:30	*13h 15m*	19:45	*35m*	20:21	*40m*	21:01	*44m*	21:46	*10h 45m*	*6h 45m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:43 – 04:33*	*6h 50m*	AN$_+$ *bis* AN$_-$		10:00	20:38	04:31	*44m*	05:15	*40m*	05:55	*35m*	06:31	*13h 11m*	19:43	*35m*	20:19	*40m*	20:59	*43m*	21:43	*10h 49m*	*6h 50m*				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	21:40 – 04:35*	*6h 55m*	AN$_+$ *bis* AN$_-$		11:10	20:50	04:33	*44m*	05:17	*40m*	05:57	*35m*	06:33	*13h 08m*	19:41	*35m*	20:17	*39m*	20:56	*43m*	21:40	*10h 53m*	*6h 55m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:37 – 04:37*	*6h 59m*	AN$_+$ *bis* AN$_-$		12:23	21:06	04:35	*43m*	05:19	*39m*	05:59	*35m*	06:34	*13h 04m*	19:39	*35m*	20:14	*39m*	20:54	*43m*	21:37	*10h 57m*	*6h 59m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:34 – 04:39*	*7h 04m*	AN$_+$ *bis* AN$_-$		13:37	21:28	04:37	*43m*	05:21	*39m*	06:00	*35m*	06:36	*13h 00m*	19:36	*35m*	20:12	*39m*	20:51	*43m*	21:34	*11h 01m*	*7h 04m*				Mo, 9. Sep
Di, 10. Sep	MESZ	21:58 – 04:41*	*6h 43m*	M$_\searrow$ *bis* AN$_-$		14:51	21:58	04:39	*43m*	05:22	*39m*	06:02	*35m*	06:37	*12h 56m*	19:34	*35m*	20:10	*39m*	20:49	*42m*	21:32	*11h 04m*	*7h 09m*				Di, 10. Sep
Mi, 11. Sep	MESZ	22:42 – 04:43*	*6h 01m*	M$_\searrow$ *bis* AN$_-$	◐	16:00	22:42	04:41	*42m*	05:24	*39m*	06:04	*35m*	06:39	*12h 52m*	19:32	*35m*	20:07	*39m*	20:46	*42m*	21:29	*11h 08m*	*7h 14m*				Mi, 11. Sep
Do, 12. Sep	MESZ	23:42 – 04:45*	*5h 02m*	M$_\searrow$ *bis* AN$_-$		16:59	23:42	04:43	*42m*	05:26	*39m*	06:05	*35m*	06:41	*12h 49m*	19:30	*35m*	20:05	*39m*	20:44	*42m*	21:26	*11h 12m*	*7h 19m*				Do, 12. Sep
Fr, 13. Sep	MESZ	00:59* – 04:47*	*3h 48m*	M$_\searrow$ *bis* AN$_-$		17:44	—:—	04:45	*42m*	05:28	*39m*	06:07	*35m*	06:42	*12h 45m*	19:27	*35m*	20:03	*38m*	20:42	*41m*	21:24	*11h 16m*	*7h 23m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:26* – 04:49*	*2h 23m*	M$_\searrow$ *bis* AN$_-$		18:17	00:59	04:47	*42m*	05:29	*38m*	06:08	*35m*	06:44	*12h 41m*	19:25	*35m*	20:00	*38m*	20:39	*41m*	21:21	*11h 19m*	*7h 28m*				Sa, 14. Sep
So, 15. Sep	MESZ	03:57* – 04:51*	*53m*	M$_\searrow$ *bis* AN$_-$		18:40	02:26	04:49	*41m*	05:31	*38m*	06:10	*35m*	06:45	*12h 37m*	19:23	*35m*	19:58	*38m*	20:37	*41m*	21:18	*11h 23m*	*7h 33m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		18:58	03:57	04:51	*41m*	05:33	*38m*	06:12	*35m*	06:47	*12h 34m*	19:21	*35m*	19:56	*38m*	20:34	*41m*	21:16	*11h 27m*	*7h 37m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:13	05:29	04:53	*41m*	05:35	*38m*	06:13	*35m*	06:48	*12h 30m*	19:18	*34m*	19:53	*38m*	20:32	*41m*	21:13	*11h 31m*	*7h 42m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:27	07:00	04:55	*41m*	05:36	*38m*	06:15	*35m*	06:50	*12h 26m*	19:16	*34m*	19:51	*38m*	20:29	*40m*	21:10	*11h 35m*	*7h 46m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		19:42	08:31	04:57	*40m*	05:38	*38m*	06:16	*34m*	06:51	*12h 22m*	19:14	*34m*	19:49	*38m*	20:27	*40m*	21:08	*11h 38m*	*7h 51m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		19:58	10:03	04:59	*40m*	05:40	*38m*	06:18	*34m*	06:53	*12h 18m*	19:12	*34m*	19:47	*38m*	20:25	*40m*	21:05	*11h 42m*	*7h 55m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:19	11:35	05:01	*40m*	05:41	*38m*	06:19	*34m*	06:54	*12h 15m*	19:09	*34m*	19:44	*38m*	20:22	*40m*	21:03	*11h 46m*	*8h 00m*				Sa, 21. Sep
So, 22. Sep	MESZ	—:— – —:—	–	Mond stört		20:47	13:05	05:03	*40m*	05:43	*38m*	06:21	*34m*	06:56	*12h 11m*	19:07	*34m*	19:42	*37m*	20:20	*40m*	21:00	*11h 50m*	*8h 04m*				So, 22. Sep
Mo, 23. Sep	MESZ	20:58 – 21:26	*28m*	AN$_+$ *bis* M$_\nearrow$		21:26	14:29	05:04	*40m*	05:45	*37m*	06:23	*34m*	06:58	*12h 07m*	19:05	*34m*	19:40	*37m*	20:18	*39m*	20:58	*11h 54m*	*8h 08m*				Mo, 23. Sep
Di, 24. Sep	MESZ	20:55 – 22:19	*1h 24m*	AN$_+$ *bis* M$_\nearrow$	◑	22:19	15:38	05:06	*40m*	05:46	*37m*	06:24	*34m*	06:59	*12h 03m*	19:03	*34m*	19:37	*37m*	20:15	*39m*	20:55	*11h 57m*	*8h 13m*				Di, 24. Sep
Mi, 25. Sep	MESZ	20:53 – 23:26	*2h 33m*	AN$_+$ *bis* M$_\nearrow$		23:26	16:30	05:08	*39m*	05:48	*37m*	06:26	*34m*	07:01	*11h 59m*	19:00	*34m*	19:35	*37m*	20:13	*39m*	20:53	*12h 01m*	*8h 17m*				Mi, 25. Sep
Do, 26. Sep	MESZ	20:50 – 00:40*	*3h 49m*	AN$_+$ *bis* M$_\nearrow$		—:—	17:07	05:10	*39m*	05:50	*37m*	06:27	*34m*	07:02	*11h 56m*	18:58	*34m*	19:33	*37m*	20:11	*39m*	20:50	*12h 05m*	*8h 21m*				Do, 26. Sep
Fr, 27. Sep	MESZ	20:48 – 01:56*	*5h 08m*	AN$_+$ *bis* M$_\nearrow$		00:40	17:32	05:12	*39m*	05:51	*37m*	06:29	*34m*	07:04	*11h 52m*	18:56	*34m*	19:31	*37m*	20:08	*39m*	20:48	*12h 09m*	*8h 25m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:45 – 03:10*	*6h 25m*	AN$_+$ *bis* M$_\nearrow$		01:56	17:50	05:13	*39m*	05:53	*37m*	06:31	*34m*	07:05	*11h 48m*	18:54	*34m*	19:28	*37m*	20:06	*39m*	20:45	*12h 13m*	*8h 30m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:43 – 04:22*	*7h 39m*	AN$_+$ *bis* M$_\nearrow$		03:10	18:04	05:15	*39m*	05:55	*37m*	06:32	*34m*	07:07	*11h 44m*	18:52	*34m*	19:26	*37m*	20:04	*39m*	20:43	*12h 16m*	*8h 34m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:40 – 05:19*	*8h 38m*	AN$_+$ *bis* AN$_-$		04:22	18:16	05:17	*39m*	05:56	*37m*	06:34	*34m*	07:08	*11h 40m*	18:49	*34m*	19:24	*37m*	20:01	*39m*	20:40	*12h 20m*	*8h 38m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:38 – 05:20*	*8h 42m*	AN$_+$ *bis* AN$_-$		05:32	18:26	05:19	*39m*	05:58	*37m*	06:35	*34m*	07:10	*11h 37m*	18:47	*34m*	19:22	*37m*	19:59	*38m*	20:38	*12h 24m*	*8h 42m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:36 – 05:22*	*8h 46m*	AN$_+$ *bis* AN$_-$	●	06:41	18:36	05:20	*39m*	05:59	*37m*	06:37	*34m*	07:12	*11h 33m*	18:45	*34m*	19:20	*37m*	19:57	*38m*	20:36	*12h 28m*	*8h 46m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:33 – 05:24*	*8h 50m*	AN$_+$ *bis* AN$_-$		07:50	18:46	05:22	*38m*	06:01	*37m*	06:38	*34m*	07:13	*11h 29m*	18:43	*34m*	19:17	*37m*	19:55	*38m*	20:33	*12h 32m*	*8h 50m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:31 – 05:26*	*8h 54m*	AN$_+$ *bis* AN$_-$		08:59	18:58	05:24	*38m*	06:03	*37m*	06:40	*34m*	07:15	*11h 25m*	18:40	*34m*	19:15	*37m*	19:52	*38m*	20:31	*12h 35m*	*8h 54m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:29 – 05:27*	*8h 58m*	AN$_+$ *bis* AN$_-$		10:11	19:13	05:26	*38m*	06:04	*37m*	06:42	*34m*	07:16	*11h 21m*	18:38	*34m*	19:13	*37m*	19:50	*38m*	20:29	*12h 39m*	*8h 58m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:27 – 05:29*	*9h 02m*	AN$_+$ *bis* AN$_-$		11:25	19:32	05:27	*38m*	06:06	*37m*	06:43	*34m*	07:18	*11h 18m*	18:36	*34m*	19:11	*37m*	19:48	*38m*	20:27	*12h 43m*	*9h 02m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:24 – 05:31*	*9h 06m*	AN$_+$ *bis* AN$_-$		12:39	19:59	05:29	*38m*	06:07	*37m*	06:45	*34m*	07:20	*11h 14m*	18:34	*34m*	19:09	*37m*	19:46	*38m*	20:24	*12h 47m*	*9h 06m*				Mo, 7. Okt
Di, 8. Okt	MESZ	20:37 – 05:32*	*8h 55m*	M$_\searrow$ *bis* AN$_-$		13:50	20:37	05:31	*38m*	06:09	*37m*	06:46	*34m*	07:21	*11h 10m*	18:32	*34m*	19:07	*37m*	19:44	*38m*	20:22	*12h 51m*	*9h 10m*				Di, 8. Okt
Mi, 9. Okt	MESZ	21:30 – 05:34*	*8h 04m*	M$_\searrow$ *bis* AN$_-$		14:51	21:30	05:32	*38m*	06:11	*37m*	06:48	*34m*	07:23	*11h 06m*	18:30	*34m*	19:04	*37m*	19:42	*38m*	20:20	*12h 54m*	*9h 13m*				Mi, 9. Okt
Do, 10. Okt	MESZ	22:38 – 05:36*	*6h 57m*	M$_\searrow$ *bis* AN$_-$	◐	15:40	22:38	05:34	*38m*	06:12	*37m*	06:49	*34m*	07:24	*11h 02m*	18:27	*34m*	19:02	*37m*	19:40	*38m*	20:18	*12h 58m*	*9h 17m*				Do, 10. Okt
Fr, 11. Okt	MESZ	23:59 – 05:37*	*5h 38m*	M$_\searrow$ *bis* AN$_-$		16:16	23:59	05:36	*38m*	06:14	*37m*	06:51	*35m*	07:26	*10h 59m*	18:25	*34m*	19:00	*37m*	19:37	*38m*	20:16	*13h 02m*	*9h 21m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:26* – 05:39*	*4h 13m*	M$_\searrow$ *bis* AN$_-$		16:42	—:—	05:37	*38m*	06:15	*37m*	06:53	*35m*	07:28	*10h 55m*	18:23	*34m*	18:58	*37m*	19:35	*38m*	20:13	*13h 06m*	*9h 25m*				Sa, 12. Okt
So, 13. Okt	MESZ	02:54* – 05:40*	*2h 45m*	M$_\searrow$ *bis* AN$_-$		17:02	01:26	05:39	*38m*	06:17	*37m*	06:54	*35m*	07:29	*10h 51m*	18:21	*35m*	18:56	*37m*	19:33	*38m*	20:11	*13h 09m*	*9h 28m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:24* – 05:42*	*1h 18m*	M$_\searrow$ *bis* AN$_-$		17:17	02:54	05:40	*38m*	06:19	*37m*	06:56	*35m*	07:31	*10h 48m*	18:19	*35m*	18:54	*37m*	19:31	*38m*	20:09	*13h 13m*	*9h 32m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:32	04:24	05:42	*38m*	06:20	*37m*	06:57	*35m*	07:33	*10h 44m*	18:17	*35m*	18:52	*37m*	19:29	*38m*	20:07	*13h 17m*	*9h 36m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		17:46	05:54	05:44	*38m*	06:22	*37m*	06:59	*35m*	07:34	*10h 40m*	18:15	*35m*	18:50	*37m*	19:27	*37m*	20:05	*13h 21m*	*9h 39m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:01	07:25	05:45	*38m*	06:23	*37m*	07:01	*35m*	07:36	*10h 36m*	18:13	*35m*	18:48	*37m*	19:25	*37m*	20:03	*13h 24m*	*9h 43m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:20	08:58	05:47	*38m*	06:25	*37m*	07:02	*35m*	07:38	*10h 33m*	18:11	*35m*	18:46	*37m*	19:23	*37m*	20:01	*13h 28m*	*9h 47m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		18:45	10:33	05:48	*38m*	06:26	*37m*	07:04	*35m*	07:39	*10h 29m*	18:09	*35m*	18:44	*37m*	19:21	*37m*	19:59	*13h 32m*	*9h 50m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:19	12:03	05:50	*37m*	06:28	*37m*	07:05	*35m*	07:41	*10h 25m*	18:07	*35m*	18:42	*37m*	19:20	*37m*	19:57	*13h 35m*	*9h 54m*				So, 20. Okt
Mo, 21. Okt	MESZ	19:56 – 20:08	*12m*	AN$_+$ *bis* M$_\nearrow$		20:08	13:23	05:52	*37m*	06:30	*37m*	07:07	*35m*	07:43	*10h 22m*	18:05	*35m*	18:40	*37m*	19:18	*37m*	19:56	*13h 39m*	*9h 57m*				Mo, 21. Okt
Di, 22. Okt	MESZ	19:54 – 21:12	*1h 18m*	AN$_+$ *bis* M$_\nearrow$		21:12	14:24	05:53	*37m*	06:31	*37m*	07:09	*35m*	07:44	*10h 18m*	18:03	*35m*	18:38	*37m*	19:16	*37m*	19:54	*13h 43m*	*10h 00m*				Di, 22. Okt
Mi, 23. Okt	MESZ	19:52 – 22:26	*2h 33m*	AN$_+$ *bis* M$_\nearrow$		22:26	15:07	05:55	*37m*	06:33	*37m*	07:10	*35m*	07:46	*10h 14m*	18:01	*35m*	18:37	*37m*	19:14	*37m*	19:52	*13h 46m*	*10h 04m*				Mi, 23. Okt
Do, 24. Okt	MESZ	19:50 – 23:43	*3h 52m*	AN$_+$ *bis* M$_\nearrow$	◑	23:43	15:36	05:56	*37m*	06:34	*37m*	07:12	*35m*	07:48	*10h 11m*	17:59	*35m*	18:35	*37m*	19:12	*37m*	19:50	*13h 50m*	*10h 07m*				Do, 24. Okt
Fr, 25. Okt	MESZ	19:48 – 00:59*	*5h 10m*	AN$_+$ *bis* M$_\nearrow$		—:—	15:57	05:58	*37m*	06:36	*37m*	07:13	*35m*	07:49	*10h 07m*	17:57	*35m*	18:33	*37m*	19:10	*37m*	19:48	*13h 54m*	*10h 10m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	19:47 – 02:12*	*6h 24m*	AN$_+$ *bis* M$_\nearrow$		00:59	16:12	05:59	*37m*	06:37	*37m*	07:15	*36m*	07:51	*10h 04m*	17:55	*36m*	18:31	*37m*	19:09	*37m*	19:47	*13h 57m*	*10h 14m*				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		18:45 – 02:22*	*7h 36m*	AN_+ *bis* $M_↗$		01:12	15:25	05:01	*37m*	05:39	*37m*	06:17	*36m*	06:53	*10h 00m*	16:53	*36m*	17:29	*37m*	18:07	*37m*	18:45	*14h 01m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:43 – 03:31*	*8h 47m*	AN_+ *bis* $M_↗$		02:22	15:35	05:02	*38m*	05:40	*37m*	06:18	*36m*	06:54	*9h 56m*	16:51	*36m*	17:28	*37m*	18:05	*37m*	18:43	*14h 04m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:42 – 04:39*	*9h 57m*	AN_+ *bis* $M_↗$		03:31	15:45	05:04	*38m*	05:42	*37m*	06:20	*36m*	06:56	*9h 53m*	16:50	*36m*	17:26	*37m*	18:04	*37m*	18:42	*14h 08m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:40 – 05:07*	*10h 26m*	AN_+ *bis* AN_-		04:39	15:55	05:05	*38m*	05:43	*37m*	06:21	*36m*	06:58	*9h 49m*	16:48	*36m*	17:24	*37m*	18:02	*37m*	18:40	*14h 11m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:38 – 05:08*	*10h 29m*	AN_+ *bis* AN_-		05:49	16:07	05:07	*38m*	05:45	*37m*	06:23	*36m*	07:00	*9h 46m*	16:46	*36m*	17:23	*37m*	18:00	*37m*	18:38	*14h 15m*	*10h 29m*				Do, 31. Okt
Fr, 1. Nov		18:37 – 05:10*	*10h 32m*	AN_+ *bis* AN_-	●	07:00	16:21	05:08	*38m*	05:47	*38m*	06:25	*36m*	07:01	*9h 42m*	16:44	*36m*	17:21	*37m*	17:59	*38m*	18:37	*14h 18m*	*10h 32m*				Fr, 1. Nov
Sa, 2. Nov		18:35 – 05:11*	*10h 35m*	AN_+ *bis* AN_-		08:14	16:38	05:10	*38m*	05:48	*38m*	06:26	*36m*	07:03	*9h 39m*	16:42	*36m*	17:19	*38m*	17:57	*38m*	18:35	*14h 22m*	*10h 35m*				Sa, 2. Nov
So, 3. Nov		18:34 – 05:13*	*10h 38m*	AN_+ *bis* AN_-		09:28	17:03	05:11	*38m*	05:50	*38m*	06:28	*36m*	07:05	*9h 36m*	16:41	*36m*	17:18	*38m*	17:56	*38m*	18:34	*14h 25m*	*10h 38m*				So, 3. Nov
Mo, 4. Nov		18:32 – 05:14*	*10h 41m*	AN_+ *bis* AN_-		10:41	17:37	05:13	*38m*	05:51	*38m*	06:29	*37m*	07:06	*9h 32m*	16:39	*37m*	17:16	*38m*	17:54	*38m*	18:32	*14h 28m*	*10h 41m*				Mo, 4. Nov
Di, 5. Nov		18:31 – 05:16*	*10h 44m*	AN_+ *bis* AN_-		11:45	18:25	05:14	*38m*	05:53	*38m*	06:31	*37m*	07:08	*9h 29m*	16:37	*37m*	17:15	*38m*	17:53	*38m*	18:31	*14h 32m*	*10h 44m*				Di, 5. Nov
Mi, 6. Nov		19:28 – 05:17*	*9h 48m*	$M_↘$ *bis* AN_-		12:38	19:28	05:16	*38m*	05:54	*38m*	06:33	*37m*	07:10	*9h 26m*	16:36	*37m*	17:13	*38m*	17:52	*38m*	18:30	*14h 35m*	*10h 47m*				Mi, 6. Nov
Do, 7. Nov		20:44 – 05:19*	*8h 34m*	$M_↘$ *bis* AN_-		13:17	20:44	05:17	*38m*	05:56	*38m*	06:34	*37m*	07:12	*9h 22m*	16:34	*37m*	17:12	*38m*	17:50	*38m*	18:28	*14h 38m*	*10h 50m*				Do, 7. Nov
Fr, 8. Nov		22:06 – 05:20*	*7h 13m*	$M_↘$ *bis* AN_-		13:45	22:06	05:19	*38m*	05:57	*38m*	06:36	*37m*	07:13	*9h 19m*	16:33	*37m*	17:10	*38m*	17:49	*38m*	18:27	*14h 42m*	*10h 53m*				Fr, 8. Nov
Sa, 9. Nov		23:31 – 05:22*	*5h 50m*	$M_↘$ *bis* AN_-	◐	14:06	23:31	05:20	*38m*	05:59	*38m*	06:37	*37m*	07:15	*9h 16m*	16:31	*37m*	17:09	*38m*	17:48	*38m*	18:26	*14h 45m*	*10h 55m*				Sa, 9. Nov
So, 10. Nov		00:57* – 05:23*	*4h 26m*	$M_↘$ *bis* AN_-		14:22	—:—	05:22	*38m*	06:00	*38m*	06:39	*37m*	07:17	*9h 13m*	16:30	*37m*	17:08	*38m*	17:46	*38m*	18:25	*14h 48m*	*10h 58m*				So, 10. Nov
Mo, 11. Nov		02:23* – 05:24*	*3h 01m*	$M_↘$ *bis* AN_-		14:37	00:57	05:23	*38m*	06:02	*38m*	06:40	*37m*	07:18	*9h 09m*	16:28	*37m*	17:06	*38m*	17:45	*38m*	18:23	*14h 51m*	*11h 01m*				Mo, 11. Nov
Di, 12. Nov		03:50* – 05:26*	*1h 35m*	$M_↘$ *bis* AN_-		14:50	02:23	05:24	*38m*	06:03	*38m*	06:42	*38m*	07:20	*9h 06m*	16:27	*38m*	17:05	*38m*	17:44	*38m*	18:22	*14h 54m*	*11h 03m*				Di, 12. Nov
Mi, 13. Nov		05:20* – 05:27*	*6m*	$M_↘$ *bis* AN_-		15:04	03:50	05:26	*38m*	06:04	*39m*	06:43	*38m*	07:22	*9h 03m*	16:25	*38m*	17:04	*38m*	17:43	*38m*	18:21	*14h 57m*	*11h 06m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:21	05:20	05:27	*38m*	06:06	*39m*	06:45	*38m*	07:23	*9h 00m*	16:24	*38m*	17:02	*39m*	17:42	*38m*	18:20	*15h 00m*	*11h 08m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	15:42	06:54	05:29	*38m*	06:07	*39m*	06:47	*38m*	07:25	*8h 57m*	16:23	*38m*	17:01	*39m*	17:40	*38m*	18:19	*15h 03m*	*11h 10m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:12	08:27	05:30	*38m*	06:09	*39m*	06:48	*38m*	07:27	*8h 54m*	16:22	*38m*	17:00	*39m*	17:39	*38m*	18:18	*15h 06m*	*11h 13m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		16:54	09:55	05:31	*38m*	06:10	*39m*	06:50	*38m*	07:28	*8h 52m*	16:20	*38m*	16:59	*39m*	17:38	*38m*	18:17	*15h 09m*	*11h 15m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		17:53	11:07	05:33	*38m*	06:12	*39m*	06:51	*38m*	07:30	*8h 49m*	16:19	*38m*	16:58	*39m*	17:37	*38m*	18:16	*15h 12m*	*11h 17m*				Mo, 18. Nov
Di, 19. Nov		18:15 – 19:05	*49m*	AN_+ *bis* $M_↗$		19:05	12:00	05:34	*38m*	06:13	*39m*	06:52	*39m*	07:32	*8h 46m*	16:18	*38m*	16:57	*39m*	17:37	*38m*	18:15	*15h 15m*	*11h 20m*				Di, 19. Nov
Mi, 20. Nov		18:15 – 20:24	*2h 09m*	AN_+ *bis* $M_↗$		20:24	12:36	05:35	*38m*	06:14	*39m*	06:54	*39m*	07:33	*8h 43m*	16:17	*39m*	16:56	*39m*	17:36	*38m*	18:15	*15h 17m*	*11h 22m*				Mi, 20. Nov
Do, 21. Nov		18:14 – 21:42	*3h 28m*	AN_+ *bis* $M_↗$		21:42	13:00	05:37	*38m*	06:16	*39m*	06:55	*39m*	07:35	*8h 41m*	16:16	*39m*	16:55	*39m*	17:35	*38m*	18:14	*15h 20m*	*11h 24m*				Do, 21. Nov
Fr, 22. Nov		18:13 – 22:58	*4h 44m*	AN_+ *bis* $M_↗$		22:58	13:18	05:38	*39m*	06:17	*39m*	06:57	*39m*	07:36	*8h 38m*	16:15	*39m*	16:54	*39m*	17:34	*39m*	18:13	*15h 23m*	*11h 26m*				Fr, 22. Nov
Sa, 23. Nov		18:12 – 00:09*	*5h 57m*	AN_+ *bis* $M_↗$	◑	—:—	13:32	05:39	*39m*	06:18	*39m*	06:58	*39m*	07:38	*8h 36m*	16:14	*39m*	16:53	*39m*	17:33	*39m*	18:12	*15h 25m*	*11h 28m*				Sa, 23. Nov
So, 24. Nov		18:12 – 01:19*	*7h 07m*	AN_+ *bis* $M_↗$		00:09	13:43	05:41	*39m*	06:20	*40m*	07:00	*39m*	07:39	*8h 33m*	16:13	*39m*	16:53	*39m*	17:33	*39m*	18:12	*15h 27m*	*11h 30m*				So, 24. Nov
Mo, 25. Nov		18:11 – 02:27*	*8h 16m*	AN_+ *bis* $M_↗$		01:19	13:53	05:42	*39m*	06:21	*40m*	07:01	*39m*	07:41	*8h 31m*	16:12	*39m*	16:52	*40m*	17:32	*39m*	18:11	*15h 30m*	*11h 31m*				Mo, 25. Nov
Di, 26. Nov		18:10 – 03:36*	*9h 25m*	AN_+ *bis* $M_↗$		02:27	14:03	05:43	*39m*	06:22	*40m*	07:02	*39m*	07:42	*8h 28m*	16:11	*39m*	16:51	*40m*	17:31	*39m*	18:10	*15h 32m*	*11h 33m*				Di, 26. Nov
Mi, 27. Nov		18:10 – 04:47*	*10h 36m*	AN_+ *bis* $M_↗$		03:36	14:14	05:44	*39m*	06:23	*40m*	07:04	*40m*	07:44	*8h 26m*	16:10	*40m*	16:50	*40m*	17:31	*39m*	18:10	*15h 34m*	*11h 35m*				Mi, 27. Nov
Do, 28. Nov		18:09 – 05:47*	*11h 37m*	AN_+ *bis* AN_-		04:47	14:27	05:45	*39m*	06:25	*40m*	07:05	*40m*	07:45	*8h 24m*	16:10	*40m*	16:50	*40m*	17:30	*39m*	18:09	*15h 37m*	*11h 37m*				Do, 28. Nov
Fr, 29. Nov		18:09 – 05:48*	*11h 38m*	AN_+ *bis* AN_-		06:00	14:44	05:47	*39m*	06:26	*40m*	07:06	*40m*	07:47	*8h 22m*	16:09	*40m*	16:49	*40m*	17:30	*39m*	18:09	*15h 39m*	*11h 38m*				Fr, 29. Nov
Sa, 30. Nov		18:09 – 05:49*	*11h 40m*	AN_+ *bis* AN_-		07:15	15:06	05:48	*39m*	06:27	*40m*	07:08	*40m*	07:48	*8h 20m*	16:08	*40m*	16:49	*40m*	17:29	*39m*	18:09	*15h 41m*	*11h 40m*				Sa, 30. Nov
So, 1. Dez		18:08 – 05:50*	*11h 41m*	AN_+ *bis* AN_-	●	08:29	15:37	05:49	*39m*	06:28	*40m*	07:09	*40m*	07:49	*8h 18m*	16:08	*40m*	16:48	*40m*	17:29	*39m*	18:08	*15h 43m*	*11h 41m*				So, 1. Dez
Mo, 2. Dez		18:08 – 05:51*	*11h 43m*	AN_+ *bis* AN_-		09:37	16:22	05:50	*39m*	06:29	*40m*	07:10	*40m*	07:51	*8h 16m*	16:07	*40m*	16:48	*40m*	17:28	*39m*	18:08	*15h 44m*	*11h 43m*				Mo, 2. Dez
Di, 3. Dez		18:08 – 05:52*	*11h 44m*	AN_+ *bis* AN_-		10:34	17:21	05:51	*39m*	06:31	*40m*	07:11	*40m*	07:52	*8h 14m*	16:07	*40m*	16:47	*40m*	17:28	*39m*	18:08	*15h 46m*	*11h 44m*				Di, 3. Dez
Mi, 4. Dez		18:34 – 05:53*	*11h 18m*	$M_↘$ *bis* AN_-		11:17	18:34	05:52	*39m*	06:32	*40m*	07:12	*40m*	07:53	*8h 12m*	16:06	*40m*	16:47	*40m*	17:28	*39m*	18:07	*15h 48m*	*11h 45m*				Mi, 4. Dez
Do, 5. Dez		19:55 – 05:54*	*9h 58m*	$M_↘$ *bis* AN_-		11:48	19:55	05:53	*39m*	06:33	*40m*	07:14	*40m*	07:55	*8h 11m*	16:06	*40m*	16:47	*40m*	17:28	*39m*	18:07	*15h 49m*	*11h 46m*				Do, 5. Dez
Fr, 6. Dez		21:19 – 05:55*	*8h 36m*	$M_↘$ *bis* AN_-		12:11	21:19	05:54	*39m*	06:34	*40m*	07:15	*40m*	07:56	*8h 09m*	16:05	*40m*	16:46	*40m*	17:27	*39m*	18:07	*15h 51m*	*11h 47m*				Fr, 6. Dez
Sa, 7. Dez		22:42 – 05:56*	*7h 13m*	$M_↘$ *bis* AN_-		12:28	22:42	05:55	*39m*	06:35	*40m*	07:16	*41m*	07:57	*8h 08m*	16:05	*41m*	16:46	*40m*	17:27	*39m*	18:07	*15h 52m*	*11h 49m*				Sa, 7. Dez
So, 8. Dez		00:05* – 05:57*	*5h 51m*	$M_↘$ *bis* AN_-	◐	12:43	—:—	05:56	*39m*	06:36	*41m*	07:17	*41m*	07:58	*8h 06m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 54m*	*11h 49m*				So, 8. Dez
Mo, 9. Dez		01:29* – 05:58*	*4h 29m*	$M_↘$ *bis* AN_-		12:56	00:05	05:57	*39m*	06:37	*41m*	07:18	*41m*	07:59	*8h 05m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 55m*	*11h 50m*				Mo, 9. Dez
Di, 10. Dez		02:54* – 05:59*	*3h 04m*	$M_↘$ *bis* AN_-		13:09	01:29	05:58	*39m*	06:38	*41m*	07:19	*41m*	08:00	*8h 04m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 56m*	*11h 51m*				Di, 10. Dez
Mi, 11. Dez		04:23* – 06:00*	*1h 36m*	$M_↘$ *bis* AN_-		13:24	02:54	05:59	*39m*	06:39	*41m*	07:20	*41m*	08:01	*8h 03m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 57m*	*11h 52m*				Mi, 11. Dez
Do, 12. Dez		05:54* – 06:00*	*6m*	$M_↘$ *bis* AN_-		13:43	04:23	06:00	*39m*	06:39	*41m*	07:21	*41m*	08:02	*8h 02m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 58m*	*11h 53m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:07	05:54	06:00	*39m*	06:40	*41m*	07:22	*41m*	08:03	*8h 01m*	16:05	*41m*	16:46	*41m*	17:27	*39m*	18:07	*15h 59m*	*11h 53m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		14:43	07:23	06:01	*39m*	06:41	*41m*	07:22	*41m*	08:04	*8h 00m*	16:05	*41m*	16:46	*41m*	17:28	*39m*	18:08	*15h 59m*	*11h 54m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	15:33	08:43	06:02	*39m*	06:42	*41m*	07:23	*41m*	08:05	*8h 00m*	16:05	*41m*	16:47	*41m*	17:28	*39m*	18:08	*16h 00m*	*11h 54m*				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		16:40	09:46	06:03	*39m*	06:42	*41m*	07:24	*41m*	08:05	*7h 59m*	16:05	*41m*	16:47	*41m*	17:28	*39m*	18:08	*16h 01m*	*11h 55m*				Mo, 16. Dez
Di, 17. Dez		—:——:—	–	Mond stört		17:58	10:30	06:03	*40m*	06:43	*41m*	07:25	*41m*	08:06	*7h 59m*	16:05	*41m*	16:47	*41m*	17:28	*40m*	18:08	*16h 01m*	*11h 55m*				Di, 17. Dez
Mi, 18. Dez		18:09 – 19:19	*1h 10m*	AN$_+$ *bis* M↗		19:19	11:00	06:04	*40m*	06:44	*41m*	07:25	*41m*	08:07	*7h 58m*	16:06	*41m*	16:47	*41m*	17:29	*40m*	18:09	*16h 01m*	*11h 55m*				Mi, 18. Dez
Do, 19. Dez		18:09 – 20:38	*2h 28m*	AN$_+$ *bis* M↗		20:38	11:21	06:04	*40m*	06:44	*41m*	07:26	*41m*	08:07	*7h 58m*	16:06	*41m*	16:48	*41m*	17:29	*40m*	18:09	*16h 01m*	*11h 55m*				Do, 19. Dez
Fr, 20. Dez		18:10 – 21:53	*3h 42m*	AN$_+$ *bis* M↗		21:53	11:36	06:05	*40m*	06:45	*41m*	07:26	*41m*	08:08	*7h 58m*	16:07	*41m*	16:48	*41m*	17:30	*40m*	18:10	*16h 02m*	*11h 55m*				Fr, 20. Dez
Sa, 21. Dez		18:10 – 23:04	*4h 53m*	AN$_+$ *bis* M↗		23:04	11:49	06:05	*40m*	06:46	*41m*	07:27	*41m*	08:09	*7h 58m*	16:07	*41m*	16:49	*41m*	17:30	*40m*	18:10	*16h 02m*	*11h 55m*				Sa, 21. Dez
So, 22. Dez		18:11 – 00:13*	*6h 02m*	AN$_+$ *bis* M↗	◑	—:—	12:00	06:06	*40m*	06:46	*41m*	07:27	*41m*	08:09	*7h 58m*	16:08	*41m*	16:49	*41m*	17:31	*40m*	18:11	*16h 01m*	*11h 55m*				So, 22. Dez
Mo, 23. Dez		18:11 – 01:22*	*7h 10m*	AN$_+$ *bis* M↗		00:13	12:10	06:06	*40m*	06:46	*41m*	07:28	*41m*	08:09	*7h 58m*	16:08	*41m*	16:50	*41m*	17:31	*40m*	18:11	*16h 01m*	*11h 55m*				Mo, 23. Dez
Di, 24. Dez		18:12 – 02:31*	*8h 19m*	AN$_+$ *bis* M↗		01:22	12:21	06:07	*40m*	06:47	*41m*	07:28	*41m*	08:10	*7h 58m*	16:09	*41m*	16:50	*41m*	17:32	*40m*	18:12	*16h 01m*	*11h 55m*				Di, 24. Dez
Mi, 25. Dez		18:12 – 03:43*	*9h 30m*	AN$_+$ *bis* M↗		02:31	12:33	06:07	*39m*	06:47	*41m*	07:29	*41m*	08:10	*7h 59m*	16:09	*41m*	16:51	*41m*	17:32	*40m*	18:12	*16h 00m*	*11h 55m*				Mi, 25. Dez
Do, 26. Dez		18:13 – 04:57*	*10h 44m*	AN$_+$ *bis* M↗		03:43	12:48	06:08	*39m*	06:48	*41m*	07:29	*41m*	08:10	*7h 59m*	16:10	*41m*	16:52	*41m*	17:33	*39m*	18:13	*16h 00m*	*11h 54m*				Do, 26. Dez
Fr, 27. Dez		18:14 – 06:08*	*11h 54m*	AN$_+$ *bis* AN$_-$		04:57	13:08	06:08	*39m*	06:48	*41m*	07:29	*41m*	08:11	*8h 00m*	16:11	*41m*	16:53	*41m*	17:34	*39m*	18:14	*15h 59m*	*11h 54m*				Fr, 27. Dez
Sa, 28. Dez		18:15 – 06:08*	*11h 53m*	AN$_+$ *bis* AN$_-$		06:12	13:35	06:08	*39m*	06:48	*41m*	07:29	*41m*	08:11	*8h 01m*	16:12	*41m*	16:53	*41m*	17:35	*39m*	18:15	*15h 59m*	*11h 53m*				Sa, 28. Dez
So, 29. Dez		18:15 – 06:08*	*11h 53m*	AN$_+$ *bis* AN$_-$		07:24	14:15	06:08	*39m*	06:48	*41m*	07:29	*41m*	08:11	*8h 01m*	16:13	*41m*	16:54	*41m*	17:35	*39m*	18:15	*15h 58m*	*11h 53m*				So, 29. Dez
Mo, 30. Dez		18:16 – 06:09*	*11h 52m*	AN$_+$ *bis* AN$_-$	●	08:26	15:10	06:08	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 02m*	16:14	*41m*	16:55	*41m*	17:36	*39m*	18:16	*15h 57m*	*11h 52m*				Mo, 30. Dez
Di, 31. Dez		18:17 – 06:09*	*11h 51m*	AN$_+$ *bis* AN$_-$		09:15	16:20	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 03m*	16:15	*41m*	16:56	*41m*	17:37	*39m*	18:17	*15h 56m*	*11h 51m*				Di, 31. Dez
Mi, 1. Jan		18:18 – 06:09*	*11h 50m*	AN$_+$ *bis* AN$_-$		09:50	17:41	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 04m*	16:16	*41m*	16:57	*41m*	17:38	*39m*	18:18	*15h 55m*	*11h 50m*				Mi, 1. Jan
Do, 2. Jan		19:06 – 06:09*	*11h 03m*	M↘ *bis* AN$_-$		10:16	19:06	06:09	*39m*	06:48	*41m*	07:30	*41m*	08:11	*8h 05m*	16:17	*41m*	16:58	*41m*	17:39	*39m*	18:19	*15h 53m*	*11h 49m*				Do, 2. Jan
Fr, 3. Jan		20:31 – 06:09*	*9h 38m*	M↘ *bis* AN$_-$		10:35	20:31	06:09	*39m*	06:48	*41m*	07:29	*41m*	08:11	*8h 07m*	16:18	*41m*	16:59	*41m*	17:40	*39m*	18:20	*15h 52m*	*11h 48m*				Fr, 3. Jan
Sa, 4. Jan		21:54 – 06:09*	*8h 14m*	M↘ *bis* AN$_-$		10:50	21:54	06:09	*39m*	06:48	*40m*	07:29	*41m*	08:10	*8h 08m*	16:19	*41m*	17:00	*40m*	17:41	*39m*	18:21	*15h 51m*	*11h 47m*				Sa, 4. Jan
So, 5. Jan		23:17 – 06:08*	*6h 51m*	M↘ *bis* AN$_-$		11:03	23:17	06:09	*39m*	06:48	*40m*	07:29	*40m*	08:10	*8h 10m*	16:20	*40m*	17:01	*40m*	17:42	*39m*	18:22	*15h 49m*	*11h 46m*				So, 5. Jan
Mo, 6. Jan		00:40* – 06:08*	*5h 27m*	M↘ *bis* AN$_-$		11:16	—:—	06:08	*39m*	06:48	*40m*	07:29	*40m*	08:10	*8h 11m*	16:21	*40m*	17:02	*40m*	17:43	*39m*	18:23	*15h 48m*	*11h 45m*				Mo, 6. Jan
Di, 7. Jan		02:06* – 06:08*	*4h 02m*	M↘ *bis* AN$_-$	◐	11:30	00:40	06:08	*39m*	06:48	*40m*	07:29	*40m*	08:09	*8h 13m*	16:23	*40m*	17:03	*40m*	17:44	*39m*	18:24	*15h 46m*	*11h 44m*				Di, 7. Jan
Mi, 8. Jan		03:34* – 06:08*	*2h 34m*	M↘ *bis* AN$_-$		11:46	02:06	06:08	*39m*	06:48	*40m*	07:28	*40m*	08:09	*8h 14m*	16:24	*40m*	17:05	*40m*	17:45	*39m*	18:25	*15h 44m*	*11h 42m*				Mi, 8. Jan
Do, 9. Jan		05:01* – 06:07*	*1h 06m*	M↘ *bis* AN$_-$		12:08	03:34	06:08	*39m*	06:47	*40m*	07:28	*40m*	08:08	*8h 16m*	16:25	*40m*	17:06	*40m*	17:47	*39m*	18:26	*15h 42m*	*11h 41m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		12:38	05:01	06:07	*39m*	06:47	*40m*	07:27	*40m*	08:08	*8h 18m*	16:27	*40m*	17:07	*40m*	17:48	*39m*	18:27	*15h 40m*	*11h 39m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:20	06:24	06:07	*39m*	06:47	*40m*	07:27	*40m*	08:07	*8h 20m*	16:28	*40m*	17:08	*40m*	17:49	*39m*	18:28	*15h 38m*	*11h 38m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:19	07:32	06:07	*39m*	06:46	*40m*	07:26	*40m*	08:07	*8h 22m*	16:29	*40m*	17:10	*40m*	17:50	*39m*	18:30	*15h 36m*	*11h 36m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	15:33	08:23	06:06	*39m*	06:46	*40m*	07:26	*40m*	08:06	*8h 24m*	16:31	*40m*	17:11	*40m*	17:51	*39m*	18:31	*15h 34m*	*11h 35m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		16:53	08:59	06:06	*39m*	06:45	*40m*	07:25	*39m*	08:05	*8h 27m*	16:32	*40m*	17:12	*40m*	17:53	*39m*	18:32	*15h 32m*	*11h 33m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:14	09:23	06:05	*39m*	06:45	*40m*	07:25	*39m*	08:05	*8h 29m*	16:34	*39m*	17:14	*40m*	17:54	*39m*	18:33	*15h 29m*	*11h 31m*				Mi, 15. Jan
Do, 16. Jan		18:34 – 19:32	*57m*	AN$_+$ *bis* M↗		19:32	09:41	06:05	*39m*	06:44	*40m*	07:24	*39m*	08:04	*8h 31m*	16:35	*39m*	17:15	*40m*	17:55	*39m*	18:34	*15h 27m*	*11h 29m*				Do, 16. Jan
Fr, 17. Jan		18:36 – 20:46	*2h 09m*	AN$_+$ *bis* M↗		20:46	09:54	06:04	*39m*	06:43	*39m*	07:23	*39m*	08:03	*8h 34m*	16:37	*39m*	17:17	*39m*	17:57	*39m*	18:36	*15h 24m*	*11h 27m*				Fr, 17. Jan
Sa, 18. Jan		18:37 – 21:57	*3h 19m*	AN$_+$ *bis* M↗		21:57	10:06	06:03	*39m*	06:43	*39m*	07:22	*39m*	08:02	*8h 36m*	16:39	*39m*	17:18	*39m*	17:58	*39m*	18:37	*15h 22m*	*11h 25m*				Sa, 18. Jan
So, 19. Jan		18:38 – 23:06	*4h 27m*	AN$_+$ *bis* M↗		23:06	10:16	06:03	*38m*	06:42	*39m*	07:22	*39m*	08:01	*8h 39m*	16:40	*39m*	17:20	*39m*	17:59	*39m*	18:38	*15h 19m*	*11h 23m*				So, 19. Jan
Mo, 20. Jan		18:40 – 00:15*	*5h 35m*	AN$_+$ *bis* M↗		—:—	10:26	06:02	*38m*	06:41	*39m*	07:21	*39m*	08:00	*8h 41m*	16:42	*39m*	17:21	*39m*	18:01	*38m*	18:40	*15h 17m*	*11h 21m*				Mo, 20. Jan
Di, 21. Jan		18:41 – 01:26*	*6h 45m*	AN$_+$ *bis* M↗	◑	00:15	10:38	06:01	*38m*	06:40	*39m*	07:20	*39m*	07:59	*8h 44m*	16:43	*39m*	17:22	*39m*	18:02	*38m*	18:41	*15h 14m*	*11h 19m*				Di, 21. Jan
Mi, 22. Jan		18:42 – 02:39*	*7h 56m*	AN$_+$ *bis* M↗		01:26	10:51	06:00	*38m*	06:39	*39m*	07:19	*38m*	07:58	*8h 47m*	16:45	*38m*	17:24	*39m*	18:04	*38m*	18:42	*15h 11m*	*11h 17m*				Mi, 22. Jan
Do, 23. Jan		18:44 – 03:53*	*9h 09m*	AN$_+$ *bis* M↗		02:39	11:09	06:00	*38m*	06:38	*39m*	07:18	*38m*	07:57	*8h 50m*	16:47	*38m*	17:26	*39m*	18:05	*38m*	18:44	*15h 08m*	*11h 14m*				Do, 23. Jan
Fr, 24. Jan		18:45 – 05:06*	*10h 20m*	AN$_+$ *bis* M↗		03:53	11:32	05:59	*38m*	06:37	*39m*	07:17	*38m*	07:55	*8h 52m*	16:48	*38m*	17:27	*39m*	18:06	*38m*	18:45	*15h 05m*	*11h 12m*				Fr, 24. Jan
Sa, 25. Jan		18:47 – 05:57*	*11h 10m*	AN$_+$ *bis* AN$_-$		05:06	12:06	05:58	*38m*	06:36	*39m*	07:16	*38m*	07:54	*8h 55m*	16:50	*38m*	17:29	*39m*	18:08	*38m*	18:47	*15h 02m*	*11h 10m*				Sa, 25. Jan
So, 26. Jan		18:48 – 05:56*	*11h 07m*	AN$_+$ *bis* AN$_-$		06:12	12:54	05:57	*38m*	06:35	*39m*	07:15	*38m*	07:53	*8h 58m*	16:52	*38m*	17:30	*39m*	18:09	*38m*	18:48	*14h 59m*	*11h 07m*				So, 26. Jan
Mo, 27. Jan		18:49 – 05:55*	*11h 05m*	AN$_+$ *bis* AN$_-$		07:07	13:58	05:56	*38m*	06:34	*39m*	07:13	*38m*	07:52	*9h 01m*	16:54	*38m*	17:32	*39m*	18:11	*38m*	18:49	*14h 56m*	*11h 05m*				Mo, 27. Jan
Di, 28. Jan		18:51 – 05:54*	*11h 02m*	AN$_+$ *bis* AN$_-$		07:48	15:16	05:55	*38m*	06:33	*38m*	07:12	*38m*	07:50	*9h 04m*	16:55	*38m*	17:33	*38m*	18:12	*38m*	18:51	*14h 53m*	*11h 02m*				Di, 28. Jan
Mi, 29. Jan		18:52 – 05:53*	*11h 00m*	AN$_+$ *bis* AN$_-$	●	08:18	16:42	05:54	*38m*	06:32	*38m*	07:11	*37m*	07:49	*9h 08m*	16:57	*38m*	17:35	*38m*	18:14	*38m*	18:52	*14h 50m*	*11h 00m*				Mi, 29. Jan
Do, 30. Jan		18:54 – 05:51*	*10h 57m*	AN$_+$ *bis* AN$_-$		08:39	18:10	05:53	*38m*	06:31	*38m*	07:10	*37m*	07:48	*9h 11m*	16:59	*37m*	17:37	*38m*	18:15	*38m*	18:54	*14h 47m*	*10h 57m*				Do, 30. Jan
Fr, 31. Jan		19:37 – 05:50*	*10h 13m*	M↘ *bis* AN$_-$		08:56	19:37	05:51	*38m*	06:30	*38m*	07:08	*37m*	07:46	*9h 14m*	17:00	*37m*	17:38	*38m*	18:17	*38m*	18:55	*14h 44m*	*10h 54m*				Fr, 31. Jan
Sa, 1. Feb		21:02 – 05:49*	*8h 46m*	M↘ *bis* AN$_-$		09:10	21:02	05:50	*38m*	06:28	*38m*	07:07	*37m*	07:45	*9h 17m*	17:02	*37m*	17:40	*38m*	18:18	*38m*	18:57	*14h 40m*	*10h 52m*				Sa, 1. Feb
So, 2. Feb		22:27 – 05:48*	*7h 20m*	M↘ *bis* AN$_-$		09:23	22:27	05:49	*38m*	06:27	*38m*	07:06	*37m*	07:43	*9h 20m*	17:04	*37m*	17:41	*38m*	18:20	*38m*	18:58	*14h 37m*	*10h 49m*				So, 2. Feb
Mo, 3. Feb		23:54 – 05:46*	*5h 52m*	M↘ *bis* AN$_-$		09:37	23:54	05:48	*38m*	06:26	*38m*	07:04	*37m*	07:42	*9h 24m*	17:06	*37m*	17:43	*38m*	18:22	*38m*	19:00	*14h 34m*	*10h 46m*				Mo, 3. Feb