Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Mannheim 49.4836° N 8.4631° 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		18:35 – 22:19	*3h 43m*	AN_+ *bis* $M_↗$		22:19	11:28	06:23	*38m*	07:02	*39m*	07:42	*39m*	08:21	*8h 15m*	16:37	*39m*	17:17	*39m*	17:57	*38m*	18:35	*15h 44m*	*11h 47m*				Mo, 1. Jan
Di, 2. Jan		18:36 – 23:26	*4h 49m*	AN_+ *bis* $M_↗$		23:26	11:41	06:23	*38m*	07:02	*39m*	07:42	*39m*	08:21	*8h 16m*	16:38	*39m*	17:18	*39m*	17:57	*38m*	18:36	*15h 43m*	*11h 46m*				Di, 2. Jan
Mi, 3. Jan		18:37 – 00:34*	*5h 56m*	AN_+ *bis* $M_↗$		—:—	11:52	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 17m*	16:39	*39m*	17:18	*39m*	17:58	*38m*	18:37	*15h 42m*	*11h 45m*				Mi, 3. Jan
Do, 4. Jan		18:38 – 01:43*	*7h 04m*	AN_+ *bis* $M_↗$	◑	00:34	12:04	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 18m*	16:40	*39m*	17:20	*39m*	17:59	*38m*	18:38	*15h 41m*	*11h 44m*				Do, 4. Jan
Fr, 5. Jan		18:39 – 02:55*	*8h 16m*	AN_+ *bis* $M_↗$		01:43	12:18	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 19m*	16:41	*39m*	17:21	*39m*	18:00	*38m*	18:39	*15h 39m*	*11h 43m*				Fr, 5. Jan
Sa, 6. Jan		18:40 – 04:12*	*9h 31m*	AN_+ *bis* $M_↗$		02:55	12:34	06:23	*38m*	07:01	*39m*	07:41	*39m*	08:21	*8h 21m*	16:42	*39m*	17:22	*39m*	18:01	*38m*	18:40	*15h 38m*	*11h 42m*				Sa, 6. Jan
So, 7. Jan		18:41 – 05:31*	*10h 49m*	AN_+ *bis* $M_↗$		04:12	12:55	06:23	*38m*	07:01	*39m*	07:41	*39m*	08:20	*8h 22m*	16:43	*39m*	17:23	*39m*	18:02	*38m*	18:41	*15h 36m*	*11h 41m*				So, 7. Jan
Mo, 8. Jan		18:42 – 06:22*	*11h 40m*	AN_+ *bis* AN_-		05:31	13:24	06:22	*38m*	07:01	*39m*	07:41	*39m*	08:20	*8h 24m*	16:44	*39m*	17:24	*39m*	18:03	*38m*	18:42	*15h 35m*	*11h 40m*				Mo, 8. Jan
Di, 9. Jan		18:43 – 06:22*	*11h 38m*	AN_+ *bis* AN_-		06:49	14:06	06:22	*38m*	07:01	*39m*	07:40	*39m*	08:20	*8h 26m*	16:46	*39m*	17:25	*39m*	18:05	*38m*	18:43	*15h 33m*	*11h 38m*				Di, 9. Jan
Mi, 10. Jan		18:44 – 06:22*	*11h 37m*	AN_+ *bis* AN_-		07:59	15:06	06:22	*38m*	07:01	*39m*	07:40	*39m*	08:19	*8h 27m*	16:47	*39m*	17:26	*39m*	18:06	*38m*	18:44	*15h 31m*	*11h 37m*				Mi, 10. Jan
Do, 11. Jan		18:45 – 06:21*	*11h 36m*	AN_+ *bis* AN_-	●	08:55	16:22	06:22	*38m*	07:00	*39m*	07:40	*39m*	08:19	*8h 29m*	16:48	*39m*	17:27	*39m*	18:07	*38m*	18:45	*15h 29m*	*11h 36m*				Do, 11. Jan
Fr, 12. Jan		18:46 – 06:21*	*11h 34m*	AN_+ *bis* AN_-		09:35	17:50	06:21	*38m*	07:00	*39m*	07:39	*38m*	08:18	*8h 31m*	16:50	*38m*	17:29	*39m*	18:08	*38m*	18:46	*15h 27m*	*11h 34m*				Fr, 12. Jan
Sa, 13. Jan		19:21 – 06:21*	*10h 59m*	$M_↘$ *bis* AN_-		10:04	19:21	06:21	*38m*	06:59	*39m*	07:39	*38m*	08:18	*8h 33m*	16:51	*38m*	17:30	*39m*	18:09	*38m*	18:48	*15h 25m*	*11h 33m*				Sa, 13. Jan
So, 14. Jan		20:50 – 06:20*	*9h 30m*	$M_↘$ *bis* AN_-		10:26	20:50	06:21	*38m*	06:59	*39m*	07:38	*38m*	08:17	*8h 35m*	16:52	*38m*	17:31	*39m*	18:10	*38m*	18:49	*15h 23m*	*11h 31m*				So, 14. Jan
Mo, 15. Jan		22:15 – 06:20*	*8h 04m*	$M_↘$ *bis* AN_-		10:43	22:15	06:20	*38m*	06:58	*39m*	07:38	*38m*	08:16	*8h 37m*	16:54	*38m*	17:33	*39m*	18:12	*38m*	18:50	*15h 21m*	*11h 29m*				Mo, 15. Jan
Di, 16. Jan		23:38 – 06:19*	*6h 41m*	$M_↘$ *bis* AN_-		10:59	23:38	06:20	*38m*	06:58	*38m*	07:37	*38m*	08:15	*8h 39m*	16:55	*38m*	17:34	*39m*	18:13	*38m*	18:51	*15h 19m*	*11h 28m*				Di, 16. Jan
Mi, 17. Jan		00:59* – 06:19*	*5h 19m*	$M_↘$ *bis* AN_-		11:14	—:—	06:19	*38m*	06:57	*38m*	07:36	*38m*	08:15	*8h 42m*	16:57	*38m*	17:35	*38m*	18:14	*38m*	18:52	*15h 17m*	*11h 26m*				Mi, 17. Jan
Do, 18. Jan		02:21* – 06:18*	*3h 57m*	$M_↘$ *bis* AN_-	◐	11:30	00:59	06:19	*38m*	06:57	*38m*	07:36	*38m*	08:14	*8h 44m*	16:58	*38m*	17:37	*38m*	18:15	*38m*	18:54	*15h 14m*	*11h 24m*				Do, 18. Jan
Fr, 19. Jan		03:42* – 06:17*	*2h 35m*	$M_↘$ *bis* AN_-		11:49	02:21	06:18	*38m*	06:56	*38m*	07:35	*38m*	08:13	*8h 46m*	17:00	*38m*	17:38	*38m*	18:17	*38m*	18:55	*15h 12m*	*11h 22m*				Fr, 19. Jan
Sa, 20. Jan		05:00* – 06:17*	*1h 16m*	$M_↘$ *bis* AN_-		12:12	03:42	06:17	*37m*	06:55	*38m*	07:34	*38m*	08:12	*8h 49m*	17:01	*38m*	17:39	*38m*	18:18	*38m*	18:56	*15h 09m*	*11h 20m*				Sa, 20. Jan
So, 21. Jan		06:12* – 06:16*	*4m*	$M_↘$ *bis* AN_-		12:43	05:00	06:17	*37m*	06:55	*38m*	07:33	*37m*	08:11	*8h 51m*	17:03	*37m*	17:41	*38m*	18:19	*37m*	18:57	*15h 07m*	*11h 18m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:25	06:12	06:16	*37m*	06:54	*38m*	07:32	*37m*	08:10	*8h 54m*	17:04	*37m*	17:42	*38m*	18:21	*37m*	18:59	*15h 04m*	*11h 16m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:19	07:12	06:15	*37m*	06:53	*38m*	07:31	*37m*	08:09	*8h 56m*	17:06	*37m*	17:44	*38m*	18:22	*37m*	19:00	*15h 01m*	*11h 14m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:23	07:59	06:14	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 59m*	17:08	*37m*	17:45	*38m*	18:24	*37m*	19:01	*14h 59m*	*11h 12m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:34	08:34	06:13	*37m*	06:51	*38m*	07:29	*37m*	08:07	*9h 02m*	17:09	*37m*	17:47	*38m*	18:25	*37m*	19:03	*14h 56m*	*11h 09m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:46	08:59	06:13	*37m*	06:50	*38m*	07:28	*37m*	08:06	*9h 05m*	17:11	*37m*	17:48	*38m*	18:26	*37m*	19:04	*14h 53m*	*11h 07m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:57	09:19	06:12	*37m*	06:49	*38m*	07:27	*37m*	08:05	*9h 07m*	17:13	*37m*	17:50	*38m*	18:28	*37m*	19:05	*14h 50m*	*11h 05m*				Sa, 27. Jan
So, 28. Jan		19:07 – 20:06	*59m*	AN_+ *bis* $M_↗$		20:06	09:34	06:11	*37m*	06:48	*37m*	07:26	*37m*	08:03	*9h 10m*	17:14	*37m*	17:51	*38m*	18:29	*37m*	19:07	*14h 47m*	*11h 02m*				So, 28. Jan
Mo, 29. Jan		19:08 – 21:14	*2h 05m*	AN_+ *bis* $M_↗$		21:14	09:47	06:10	*37m*	06:47	*37m*	07:25	*36m*	08:02	*9h 13m*	17:16	*36m*	17:53	*37m*	18:31	*37m*	19:08	*14h 44m*	*11h 00m*				Mo, 29. Jan
Di, 30. Jan		19:10 – 22:21	*3h 11m*	AN_+ *bis* $M_↗$		22:21	09:59	06:09	*37m*	06:46	*37m*	07:24	*36m*	08:01	*9h 16m*	17:17	*36m*	17:54	*37m*	18:32	*37m*	19:10	*14h 41m*	*10h 57m*				Di, 30. Jan
Mi, 31. Jan		19:11 – 23:29	*4h 17m*	AN_+ *bis* $M_↗$		23:29	10:10	06:08	*37m*	06:45	*37m*	07:23	*36m*	07:59	*9h 19m*	17:19	*36m*	17:56	*37m*	18:34	*37m*	19:11	*14h 38m*	*10h 55m*				Mi, 31. Jan
Do, 1. Feb		19:13 – 00:38*	*5h 25m*	AN_+ *bis* $M_↗$		—:—	10:23	06:06	*37m*	06:44	*37m*	07:21	*36m*	07:58	*9h 22m*	17:21	*36m*	17:57	*37m*	18:35	*37m*	19:13	*14h 35m*	*10h 52m*				Do, 1. Feb
Fr, 2. Feb		19:14 – 01:51*	*6h 37m*	AN_+ *bis* $M_↗$		00:38	10:37	06:05	*37m*	06:43	*37m*	07:20	*36m*	07:57	*9h 25m*	17:22	*36m*	17:59	*37m*	18:37	*37m*	19:14	*14h 32m*	*10h 50m*				Fr, 2. Feb
Sa, 3. Feb		19:15 – 03:08*	*7h 52m*	AN_+ *bis* $M_↗$	◑	01:51	10:55	06:04	*37m*	06:41	*37m*	07:19	*36m*	07:55	*9h 28m*	17:24	*36m*	18:01	*37m*	18:38	*37m*	19:15	*14h 29m*	*10h 47m*				Sa, 3. Feb
So, 4. Feb		19:17 – 04:25*	*9h 08m*	AN_+ *bis* $M_↗$		03:08	11:20	06:03	*37m*	06:40	*37m*	07:18	*36m*	07:54	*9h 32m*	17:26	*36m*	18:02	*37m*	18:40	*37m*	19:17	*14h 26m*	*10h 44m*				So, 4. Feb
Mo, 5. Feb		19:18 – 05:38*	*10h 19m*	AN_+ *bis* $M_↗$		04:25	11:54	06:02	*37m*	06:39	*37m*	07:16	*36m*	07:52	*9h 35m*	17:28	*36m*	18:04	*37m*	18:41	*37m*	19:18	*14h 23m*	*10h 41m*				Mo, 5. Feb
Di, 6. Feb		19:20 – 05:59*	*10h 39m*	AN_+ *bis* AN_-		05:38	12:43	06:00	*37m*	06:37	*37m*	07:15	*36m*	07:51	*9h 38m*	17:29	*36m*	18:05	*37m*	18:43	*37m*	19:20	*14h 19m*	*10h 39m*				Di, 6. Feb
Mi, 7. Feb		19:21 – 05:58*	*10h 36m*	AN_+ *bis* AN_-		06:40	13:51	05:59	*37m*	06:36	*37m*	07:13	*35m*	07:49	*9h 41m*	17:31	*35m*	18:07	*37m*	18:44	*37m*	19:21	*14h 16m*	*10h 36m*				Mi, 7. Feb
Do, 8. Feb		19:23 – 05:56*	*10h 33m*	AN_+ *bis* AN_-		07:28	15:14	05:58	*37m*	06:35	*37m*	07:12	*35m*	07:48	*9h 45m*	17:33	*35m*	18:08	*37m*	18:46	*37m*	19:23	*14h 13m*	*10h 33m*				Do, 8. Feb
Fr, 9. Feb		19:24 – 05:55*	*10h 30m*	AN_+ *bis* AN_-	●	08:02	16:46	05:56	*37m*	06:33	*37m*	07:10	*35m*	07:46	*9h 48m*	17:34	*35m*	18:10	*37m*	18:47	*37m*	19:24	*14h 10m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:26 – 05:53*	*10h 27m*	AN_+ *bis* AN_-		08:27	18:18	05:55	*37m*	06:32	*36m*	07:09	*35m*	07:44	*9h 51m*	17:36	*35m*	18:12	*37m*	18:49	*37m*	19:26	*14h 06m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:48 – 05:52*	*10h 03m*	$M_↘$ *bis* AN_-		08:47	19:48	05:53	*37m*	06:30	*36m*	07:07	*35m*	07:43	*9h 55m*	17:38	*35m*	18:13	*36m*	18:50	*37m*	19:27	*14h 03m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		21:16 – 05:50*	*8h 34m*	$M_↘$ *bis* AN_-		09:03	21:16	05:52	*36m*	06:29	*36m*	07:06	*35m*	07:41	*9h 58m*	17:39	*35m*	18:15	*36m*	18:52	*37m*	19:29	*13h 59m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:41 – 05:49*	*7h 07m*	$M_↘$ *bis* AN_-		09:19	22:41	05:50	*36m*	06:27	*36m*	07:04	*35m*	07:39	*10h 01m*	17:41	*35m*	18:16	*36m*	18:53	*37m*	19:30	*13h 56m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		00:06* – 05:47*	*5h 41m*	$M_↘$ *bis* AN_-		09:35	—:—	05:49	*36m*	06:26	*36m*	07:02	*35m*	07:38	*10h 05m*	17:43	*35m*	18:18	*36m*	18:55	*37m*	19:32	*13h 53m*	*10h 15m*				Mi, 14. Feb
Do, 15. Feb		01:29* – 05:45*	*4h 16m*	$M_↘$ *bis* AN_-		09:53	00:06	05:47	*36m*	06:24	*36m*	07:01	*35m*	07:36	*10h 08m*	17:44	*35m*	18:20	*36m*	18:56	*37m*	19:33	*13h 49m*	*10h 12m*				Do, 15. Feb
Fr, 16. Feb		02:50* – 05:44*	*2h 53m*	$M_↘$ *bis* AN_-	◐	10:15	01:29	05:45	*36m*	06:22	*36m*	06:59	*34m*	07:34	*10h 12m*	17:46	*35m*	18:21	*36m*	18:58	*37m*	19:35	*13h 46m*	*10h 08m*				Fr, 16. Feb
Sa, 17. Feb		04:05* – 05:42*	*1h 37m*	$M_↘$ *bis* AN_-		10:44	02:50	05:44	*36m*	06:21	*36m*	06:57	*34m*	07:32	*10h 15m*	17:48	*34m*	18:23	*36m*	18:59	*37m*	19:36	*13h 42m*	*10h 05m*				Sa, 17. Feb
So, 18. Feb		05:09* – 05:40*	*31m*	$M_↘$ *bis* AN_-		11:22	04:05	05:42	*36m*	06:19	*36m*	06:56	*34m*	07:30	*10h 19m*	17:50	*34m*	18:24	*36m*	19:01	*37m*	19:38	*13h 39m*	*10h 02m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		12:12	05:09	05:40	*36m*	06:17	*36m*	06:54	*34m*	07:29	*10h 22m*	17:51	*34m*	18:26	*36m*	19:03	*37m*	19:40	*13h 35m*	*9h 59m*				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		13:13	06:00	05:39	*36m*	06:16	*36m*	06:52	*34m*	07:27	*10h 26m*	17:53	*34m*	18:28	*36m*	19:04	*37m*	19:41	*13h 31m*	*9h 55m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		14:22	06:37	05:37	*36m*	06:14	*36m*	06:50	*34m*	07:25	*10h 29m*	17:55	*34m*	18:29	*36m*	19:06	*37m*	19:43	*13h 28m*	*9h 52m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:34	07:05	05:35	*36m*	06:12	*36m*	06:48	*34m*	07:23	*10h 33m*	17:56	*34m*	18:31	*36m*	19:07	*37m*	19:44	*13h 24m*	*9h 49m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:45	07:25	05:33	*36m*	06:10	*36m*	06:47	*34m*	07:21	*10h 36m*	17:58	*34m*	18:32	*36m*	19:09	*37m*	19:46	*13h 21m*	*9h 45m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:55	07:41	05:31	*36m*	06:08	*36m*	06:45	*34m*	07:19	*10h 40m*	17:59	*34m*	18:34	*36m*	19:10	*37m*	19:47	*13h 17m*	*9h 42m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		19:04	07:55	05:30	*36m*	06:07	*36m*	06:43	*34m*	07:17	*10h 43m*	18:01	*34m*	18:36	*36m*	19:12	*37m*	19:49	*13h 14m*	*9h 38m*				So, 25. Feb
Mo, 26. Feb		19:51 – 20:11	*20m*	AN$_+$ *bis* M↗		20:11	08:07	05:28	*37m*	06:05	*36m*	06:41	*34m*	07:15	*10h 47m*	18:03	*34m*	18:37	*36m*	19:13	*37m*	19:51	*13h 10m*	*9h 35m*				Mo, 26. Feb
Di, 27. Feb		19:52 – 21:18	*1h 26m*	AN$_+$ *bis* M↗		21:18	08:18	05:26	*37m*	06:03	*36m*	06:39	*34m*	07:13	*10h 51m*	18:04	*34m*	18:39	*36m*	19:15	*37m*	19:52	*13h 06m*	*9h 31m*				Di, 27. Feb
Mi, 28. Feb		19:54 – 22:27	*2h 33m*	AN$_+$ *bis* M↗		22:27	08:30	05:24	*37m*	06:01	*36m*	06:37	*34m*	07:11	*10h 54m*	18:06	*34m*	18:40	*36m*	19:17	*37m*	19:54	*13h 03m*	*9h 28m*				Mi, 28. Feb
Do, 29. Feb		19:55 – 23:38	*3h 42m*	AN$_+$ *bis* M↗		23:38	08:43	05:22	*37m*	05:59	*36m*	06:35	*34m*	07:09	*10h 58m*	18:08	*34m*	18:42	*36m*	19:18	*37m*	19:55	*12h 59m*	*9h 24m*				Do, 29. Feb
Fr, 1. Mär		19:57 – 00:52*	*4h 55m*	AN$_+$ *bis* M↗		—:—	08:59	05:20	*37m*	05:57	*36m*	06:33	*34m*	07:07	*11h 02m*	18:09	*34m*	18:43	*36m*	19:20	*37m*	19:57	*12h 55m*	*9h 20m*				Fr, 1. Mär
Sa, 2. Mär		19:59 – 02:08*	*6h 09m*	AN$_+$ *bis* M↗		00:52	09:20	05:18	*37m*	05:55	*36m*	06:31	*34m*	07:05	*11h 05m*	18:11	*34m*	18:45	*36m*	19:21	*37m*	19:59	*12h 52m*	*9h 17m*				Sa, 2. Mär
So, 3. Mär		20:00 – 03:21*	*7h 20m*	AN$_+$ *bis* M↗	◑	02:08	09:49	05:16	*37m*	05:53	*36m*	06:29	*33m*	07:03	*11h 09m*	18:13	*34m*	18:47	*36m*	19:23	*37m*	20:00	*12h 48m*	*9h 13m*				So, 3. Mär
Mo, 4. Mär		20:02 – 04:26*	*8h 24m*	AN$_+$ *bis* M↗		03:21	10:30	05:14	*37m*	05:51	*36m*	06:27	*33m*	07:01	*11h 13m*	18:14	*34m*	18:48	*36m*	19:24	*37m*	20:02	*12h 44m*	*9h 09m*				Mo, 4. Mär
Di, 5. Mär		20:04 – 05:09*	*9h 05m*	AN$_+$ *bis* AN$_-$		04:26	11:27	05:12	*37m*	05:49	*36m*	06:25	*33m*	06:59	*11h 16m*	18:16	*33m*	18:50	*36m*	19:26	*37m*	20:04	*12h 41m*	*9h 05m*				Di, 5. Mär
Mi, 6. Mär		20:05 – 05:07*	*9h 02m*	AN$_+$ *bis* AN$_-$		05:19	12:42	05:09	*37m*	05:47	*36m*	06:23	*33m*	06:57	*11h 20m*	18:17	*33m*	18:51	*36m*	19:28	*37m*	20:05	*12h 37m*	*9h 02m*				Mi, 6. Mär
Do, 7. Mär		20:07 – 05:05*	*8h 58m*	AN$_+$ *bis* AN$_-$		05:58	14:08	05:07	*37m*	05:45	*36m*	06:21	*33m*	06:55	*11h 24m*	18:19	*33m*	18:53	*36m*	19:29	*37m*	20:07	*12h 33m*	*8h 58m*				Do, 7. Mär
Fr, 8. Mär		20:09 – 05:03*	*8h 54m*	AN$_+$ *bis* AN$_-$		06:27	15:39	05:05	*37m*	05:43	*36m*	06:19	*33m*	06:53	*11h 27m*	18:21	*33m*	18:54	*36m*	19:31	*37m*	20:09	*12h 30m*	*8h 54m*				Fr, 8. Mär
Sa, 9. Mär		20:10 – 05:01*	*8h 50m*	AN$_+$ *bis* AN$_-$		06:48	17:11	05:03	*37m*	05:41	*36m*	06:17	*33m*	06:51	*11h 31m*	18:22	*33m*	18:56	*36m*	19:32	*37m*	20:10	*12h 26m*	*8h 50m*				Sa, 9. Mär
So, 10. Mär		20:12 – 04:59*	*8h 46m*	AN$_+$ *bis* AN$_-$	●	07:06	18:41	05:01	*37m*	05:39	*36m*	06:15	*33m*	06:49	*11h 35m*	18:24	*33m*	18:58	*36m*	19:34	*37m*	20:12	*12h 22m*	*8h 46m*				So, 10. Mär
Mo, 11. Mär		20:14 – 04:56*	*8h 42m*	AN$_+$ *bis* AN$_-$		07:22	20:10	04:59	*37m*	05:36	*36m*	06:13	*33m*	06:47	*11h 38m*	18:25	*33m*	18:59	*36m*	19:36	*38m*	20:14	*12h 19m*	*8h 42m*				Mo, 11. Mär
Di, 12. Mär		21:38 – 04:54*	*7h 15m*	M↘ *bis* AN$_-$		07:38	21:38	04:56	*37m*	05:34	*36m*	06:11	*33m*	06:44	*11h 42m*	18:27	*33m*	19:01	*36m*	19:37	*38m*	20:15	*12h 15m*	*8h 38m*				Di, 12. Mär
Mi, 13. Mär		23:06 – 04:52*	*5h 46m*	M↘ *bis* AN$_-$		07:55	23:06	04:54	*38m*	05:32	*36m*	06:09	*33m*	06:42	*11h 46m*	18:29	*33m*	19:02	*36m*	19:39	*38m*	20:17	*12h 11m*	*8h 34m*				Mi, 13. Mär
Do, 14. Mär		00:32* – 04:49*	*4h 17m*	M↘ *bis* AN$_-$		08:16	—:—	04:52	*38m*	05:30	*36m*	06:06	*33m*	06:40	*11h 49m*	18:30	*33m*	19:04	*36m*	19:41	*38m*	20:19	*12h 07m*	*8h 30m*				Do, 14. Mär
Fr, 15. Mär		01:52* – 04:47*	*2h 54m*	M↘ *bis* AN$_-$		08:43	00:32	04:49	*38m*	05:28	*36m*	06:04	*33m*	06:38	*11h 53m*	18:32	*33m*	19:06	*36m*	19:42	*38m*	20:21	*12h 04m*	*8h 26m*				Fr, 15. Mär
Sa, 16. Mär		03:02* – 04:45*	*1h 42m*	M↘ *bis* AN$_-$		09:18	01:52	04:47	*38m*	05:26	*36m*	06:02	*33m*	06:36	*11h 57m*	18:33	*33m*	19:07	*36m*	19:44	*38m*	20:22	*12h 00m*	*8h 22m*				Sa, 16. Mär
So, 17. Mär		03:58* – 04:42*	*43m*	M↘ *bis* AN$_-$	◐	10:05	03:02	04:45	*38m*	05:23	*36m*	06:00	*33m*	06:34	*12h 00m*	18:35	*33m*	19:09	*36m*	19:46	*38m*	20:24	*11h 56m*	*8h 18m*				So, 17. Mär
Mo, 18. Mär		—:——:—	–	Mond stört		11:04	03:58	04:42	*38m*	05:21	*36m*	05:58	*33m*	06:32	*12h 04m*	18:36	*33m*	19:10	*36m*	19:47	*38m*	20:26	*11h 53m*	*8h 13m*				Mo, 18. Mär
Di, 19. Mär		—:——:—	–	Mond stört		12:12	04:40	04:40	*38m*	05:19	*36m*	05:56	*33m*	06:30	*12h 08m*	18:38	*33m*	19:12	*36m*	19:49	*39m*	20:28	*11h 49m*	*8h 09m*				Di, 19. Mär
Mi, 20. Mär		—:——:—	–	Mond stört		13:23	05:10	04:38	*38m*	05:17	*36m*	05:54	*33m*	06:27	*12h 12m*	18:39	*33m*	19:13	*37m*	19:51	*39m*	20:30	*11h 45m*	*8h 05m*				Mi, 20. Mär
Do, 21. Mär		—:——:—	–	Mond stört		14:35	05:32	04:35	*39m*	05:14	*36m*	05:51	*33m*	06:25	*12h 15m*	18:41	*34m*	19:15	*37m*	19:52	*39m*	20:32	*11h 42m*	*8h 01m*				Do, 21. Mär
Fr, 22. Mär		—:——:—	–	Mond stört		15:45	05:49	04:33	*39m*	05:12	*37m*	05:49	*33m*	06:23	*12h 19m*	18:43	*34m*	19:17	*37m*	19:54	*39m*	20:33	*11h 38m*	*7h 56m*				Fr, 22. Mär
Sa, 23. Mär		—:——:—	–	Mond stört		16:54	06:03	04:30	*39m*	05:10	*37m*	05:47	*33m*	06:21	*12h 23m*	18:44	*34m*	19:18	*37m*	19:56	*39m*	20:35	*11h 34m*	*7h 52m*				Sa, 23. Mär
So, 24. Mär		—:——:—	–	Mond stört		18:01	06:15	04:28	*39m*	05:08	*37m*	05:45	*34m*	06:19	*12h 26m*	18:46	*34m*	19:20	*37m*	19:57	*39m*	20:37	*11h 31m*	*7h 48m*				So, 24. Mär
Mo, 25. Mär		—:——:—	–	Mond stört	○	19:09	06:27	04:25	*39m*	05:05	*37m*	05:43	*34m*	06:17	*12h 30m*	18:47	*34m*	19:21	*37m*	19:59	*40m*	20:39	*11h 27m*	*7h 43m*				Mo, 25. Mär
Di, 26. Mär		—:——:—	–	Mond stört		20:17	06:38	04:23	*40m*	05:03	*37m*	05:40	*34m*	06:15	*12h 34m*	18:49	*34m*	19:23	*37m*	20:01	*40m*	20:41	*11h 23m*	*7h 39m*				Di, 26. Mär
Mi, 27. Mär		20:43 – 21:28	*45m*	AN$_+$ *bis* M↗		21:28	06:51	04:20	*40m*	05:01	*37m*	05:38	*34m*	06:12	*12h 37m*	18:50	*34m*	19:25	*37m*	20:02	*40m*	20:43	*11h 19m*	*7h 35m*				Mi, 27. Mär
Do, 28. Mär		20:45 – 22:41	*1h 56m*	AN$_+$ *bis* M↗		22:41	07:06	04:18	*40m*	04:58	*37m*	05:36	*34m*	06:10	*12h 41m*	18:52	*34m*	19:26	*37m*	20:04	*40m*	20:45	*11h 16m*	*7h 30m*				Do, 28. Mär
Fr, 29. Mär		20:47 – 23:56	*3h 09m*	AN$_+$ *bis* M↗		23:56	07:25	04:15	*40m*	04:56	*37m*	05:34	*34m*	06:08	*12h 45m*	18:53	*34m*	19:28	*38m*	20:06	*40m*	20:47	*11h 12m*	*7h 26m*				Fr, 29. Mär
Sa, 30. Mär		20:49 – 01:10*	*4h 21m*	AN$_+$ *bis* M↗		—:—	07:51	04:13	*40m*	04:54	*37m*	05:32	*34m*	06:06	*12h 48m*	18:55	*34m*	19:29	*38m*	20:08	*41m*	20:49	*11h 08m*	*7h 21m*				Sa, 30. Mär
So, 31. Mär	MESZ	21:51 – 03:17*	*5h 26m*	AN$_+$ *bis* M↗		02:10	09:26	05:10	*41m*	05:51	*38m*	06:29	*34m*	07:04	*12h 52m*	19:56	*34m*	20:31	*38m*	21:09	*41m*	21:51	*11h 05m*	*7h 16m*				So, 31. Mär
Mo, 1. Apr	MESZ	21:53 – 04:13*	*6h 20m*	AN$_+$ *bis* M↗		03:17	10:16	05:08	*41m*	05:49	*38m*	06:27	*34m*	07:02	*12h 56m*	19:58	*34m*	20:33	*38m*	21:11	*41m*	21:53	*11h 01m*	*7h 12m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:55 – 04:56*	*7h 00m*	AN$_+$ *bis* M↗	◑	04:13	11:22	05:05	*41m*	05:47	*38m*	06:25	*34m*	07:00	*12h 59m*	20:00	*34m*	20:34	*38m*	21:13	*41m*	21:55	*10h 57m*	*7h 07m*				Di, 2. Apr
Mi, 3. Apr	MESZ	21:57 – 05:00*	*7h 02m*	AN$_+$ *bis* AN$_-$		04:56	12:41	05:02	*41m*	05:44	*38m*	06:23	*34m*	06:57	*13h 03m*	20:01	*34m*	20:36	*38m*	21:15	*42m*	21:57	*10h 54m*	*7h 02m*				Mi, 3. Apr
Do, 4. Apr	MESZ	21:59 – 04:57*	*6h 58m*	AN$_+$ *bis* AN$_-$		05:27	14:08	05:00	*42m*	05:42	*38m*	06:21	*34m*	06:55	*13h 07m*	20:03	*34m*	20:37	*38m*	21:16	*42m*	21:59	*10h 50m*	*6h 58m*				Do, 4. Apr
Fr, 5. Apr	MESZ	22:01 – 04:54*	*6h 53m*	AN$_+$ *bis* AN$_-$		05:50	15:37	04:57	*42m*	05:40	*38m*	06:18	*34m*	06:53	*13h 10m*	20:04	*34m*	20:39	*39m*	21:18	*42m*	22:01	*10h 47m*	*6h 53m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	22:03 – 04:52*	*6h 48m*	AN$_+$ *bis* AN$_-$		06:09	17:06	04:54	*42m*	05:37	*39m*	06:16	*34m*	06:51	*13h 14m*	20:06	*35m*	20:41	*39m*	21:20	*43m*	22:03	*10h 43m*	*6h 48m*				Sa, 6. Apr
So, 7. Apr	MESZ	22:05 – 04:49*	*6h 43m*	AN$_+$ *bis* AN$_-$		06:25	18:34	04:52	*43m*	05:35	*39m*	06:14	*35m*	06:49	*13h 18m*	20:07	*35m*	20:42	*39m*	21:22	*43m*	22:05	*10h 39m*	*6h 43m*				So, 7. Apr
Mo, 8. Apr	MESZ	22:07 – 04:46*	*6h 38m*	AN$_+$ *bis* AN$_-$	●	06:41	20:02	04:49	*43m*	05:32	*39m*	06:12	*35m*	06:47	*13h 21m*	20:09	*35m*	20:44	*39m*	21:24	*43m*	22:07	*10h 36m*	*6h 38m*				Mo, 8. Apr
Di, 9. Apr	MESZ	22:10 – 04:44*	*6h 34m*	AN$_+$ *bis* AN$_-$		06:57	21:32	04:46	*43m*	05:30	*39m*	06:10	*35m*	06:45	*13h 25m*	20:10	*35m*	20:46	*39m*	21:25	*44m*	22:10	*10h 32m*	*6h 34m*				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	23:01 – 04:41*	*5h 39m*	M↘ *bis* AN_		07:17	23:01	04:44	*44m*	05:28	*39m*	06:08	*35m*	06:43	*13h 28m*	20:12	*35m*	20:47	*40m*	21:27	*44m*	22:12	*10h 28m*	*6h 29m*				Mi, 10. Apr
Do, 11. Apr	MESZ	00:28* – 04:38*	*4h 10m*	M↘ *bis* AN_		07:41	—:—	04:41	*44m*	05:25	*39m*	06:05	*35m*	06:41	*13h 32m*	20:13	*35m*	20:49	*40m*	21:29	*44m*	22:14	*10h 25m*	*6h 24m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:46* – 04:35*	*2h 49m*	M↘ *bis* AN_		08:13	00:28	04:38	*44m*	05:23	*40m*	06:03	*35m*	06:39	*13h 36m*	20:15	*35m*	20:51	*40m*	21:31	*45m*	22:16	*10h 21m*	*6h 19m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:50* – 04:33*	*1h 42m*	M↘ *bis* AN_		08:56	01:46	04:35	*45m*	05:21	*40m*	06:01	*35m*	06:37	*13h 39m*	20:16	*35m*	20:52	*40m*	21:33	*45m*	22:19	*10h 18m*	*6h 14m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:38* – 04:30*	*51m*	M↘ *bis* AN_		09:52	02:50	04:33	*45m*	05:18	*40m*	05:59	*35m*	06:35	*13h 43m*	20:18	*35m*	20:54	*40m*	21:35	*46m*	22:21	*10h 14m*	*6h 09m*				So, 14. Apr
Mo, 15. Apr	MESZ	04:13* – 04:27*	*14m*	M↘ *bis* AN_	◐	10:58	03:38	04:30	*46m*	05:16	*40m*	05:57	*35m*	06:33	*13h 46m*	20:19	*36m*	20:56	*41m*	21:37	*46m*	22:23	*10h 11m*	*6h 03m*				Mo, 15. Apr
Di, 16. Apr	MESZ	—:— – —:—	–	Mond stört		12:10	04:13	04:27	*46m*	05:14	*41m*	05:55	*36m*	06:31	*13h 50m*	20:21	*36m*	20:57	*41m*	21:39	*46m*	22:26	*10h 07m*	*5h 58m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:22	04:38	04:24	*46m*	05:11	*41m*	05:52	*36m*	06:29	*13h 53m*	20:23	*36m*	20:59	*41m*	21:41	*47m*	22:28	*10h 04m*	*5h 53m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:33	04:56	04:21	*47m*	05:09	*41m*	05:50	*36m*	06:27	*13h 57m*	20:24	*36m*	21:01	*41m*	21:42	*47m*	22:30	*10h 00m*	*5h 48m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:43	05:11	04:19	*47m*	05:06	*41m*	05:48	*36m*	06:25	*14h 00m*	20:26	*36m*	21:02	*42m*	21:44	*48m*	22:33	*9h 57m*	*5h 42m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:50	05:24	04:16	*48m*	05:04	*42m*	05:46	*36m*	06:23	*14h 04m*	20:27	*36m*	21:04	*42m*	21:46	*48m*	22:35	*9h 53m*	*5h 37m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:58	05:35	04:13	*48m*	05:02	*42m*	05:44	*36m*	06:21	*14h 07m*	20:29	*36m*	21:06	*42m*	21:48	*49m*	22:38	*9h 50m*	*5h 32m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		19:06	05:47	04:10	*49m*	04:59	*42m*	05:42	*36m*	06:19	*14h 11m*	20:30	*37m*	21:07	*42m*	21:50	*49m*	22:40	*9h 46m*	*5h 26m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		20:17	05:59	04:07	*49m*	04:57	*42m*	05:40	*37m*	06:17	*14h 14m*	20:32	*37m*	21:09	*43m*	21:52	*50m*	22:43	*9h 43m*	*5h 21m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:30	06:13	04:04	*50m*	04:55	*43m*	05:38	*37m*	06:15	*14h 18m*	20:33	*37m*	21:11	*43m*	21:54	*51m*	22:45	*9h 40m*	*5h 15m*				Mi, 24. Apr
Do, 25. Apr	MESZ	—:— – —:—	–	Mond stört		22:45	06:31	04:01	*51m*	04:52	*43m*	05:36	*37m*	06:13	*14h 21m*	20:35	*37m*	21:12	*43m*	21:56	*51m*	22:48	*9h 36m*	*5h 10m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:51 – 00:00*	*1h 09m*	AN+ *bis* M↗		—:—	06:55	03:58	*51m*	04:50	*43m*	05:34	*37m*	06:11	*14h 24m*	20:36	*37m*	21:14	*44m*	21:58	*52m*	22:51	*9h 33m*	*5h 04m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	22:53 – 01:10*	*2h 17m*	AN+ *bis* M↗		00:00	07:27	03:55	*52m*	04:48	*44m*	05:32	*37m*	06:10	*14h 28m*	20:38	*38m*	21:16	*44m*	22:00	*53m*	22:53	*9h 30m*	*4h 59m*				Sa, 27. Apr
So, 28. Apr	MESZ	22:56 – 02:10*	*3h 13m*	AN+ *bis* M↗		01:10	08:13	03:52	*52m*	04:45	*44m*	05:30	*37m*	06:08	*14h 31m*	20:39	*38m*	21:17	*44m*	22:02	*53m*	22:56	*9h 26m*	*4h 53m*				So, 28. Apr
Mo, 29. Apr	MESZ	22:59 – 02:56*	*3h 56m*	AN+ *bis* M↗		02:10	09:13	03:49	*53m*	04:43	*44m*	05:28	*38m*	06:06	*14h 34m*	20:41	*38m*	21:19	*45m*	22:04	*54m*	22:59	*9h 23m*	*4h 47m*				Mo, 29. Apr
Di, 30. Apr	MESZ	23:01 – 03:29*	*4h 27m*	AN+ *bis* M↗		02:56	10:27	03:46	*54m*	04:41	*45m*	05:26	*38m*	06:04	*14h 38m*	20:42	*38m*	21:21	*45m*	22:06	*55m*	23:01	*9h 20m*	*4h 41m*				Di, 30. Apr
Mi, 1. Mai	MESZ	23:04 – 03:40*	*4h 36m*	AN+ *bis* AN_	◑	03:29	11:50	03:43	*55m*	04:39	*45m*	05:24	*38m*	06:03	*14h 41m*	20:44	*38m*	21:23	*45m*	22:08	*55m*	23:04	*9h 16m*	*4h 36m*				Mi, 1. Mai
Do, 2. Mai	MESZ	23:07 – 03:37*	*4h 30m*	AN+ *bis* AN_		03:54	13:16	03:40	*55m*	04:36	*45m*	05:22	*38m*	06:01	*14h 44m*	20:45	*38m*	21:24	*46m*	22:10	*56m*	23:07	*9h 13m*	*4h 30m*				Do, 2. Mai
Fr, 3. Mai	MESZ	23:10 – 03:34*	*4h 24m*	AN+ *bis* AN_		04:14	14:41	03:37	*56m*	04:34	*46m*	05:20	*38m*	05:59	*14h 47m*	20:47	*39m*	21:26	*46m*	22:12	*57m*	23:10	*9h 10m*	*4h 24m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	23:13 – 03:31*	*4h 18m*	AN+ *bis* AN_		04:30	16:06	03:34	*57m*	04:32	*46m*	05:18	*39m*	05:57	*14h 50m*	20:48	*39m*	21:28	*46m*	22:15	*58m*	23:13	*9h 07m*	*4h 18m*				Sa, 4. Mai
So, 5. Mai	MESZ	23:16 – 03:28*	*4h 12m*	AN+ *bis* AN_		04:45	17:32	03:31	*58m*	04:30	*46m*	05:16	*39m*	05:56	*14h 53m*	20:50	*39m*	21:29	*47m*	22:17	*59m*	23:16	*9h 04m*	*4h 12m*				So, 5. Mai
Mo, 6. Mai	MESZ	23:19 – 03:25*	*4h 06m*	AN+ *bis* AN_		05:01	18:59	03:28	*59m*	04:27	*47m*	05:15	*39m*	05:54	*14h 57m*	20:51	*39m*	21:31	*47m*	22:19	*1h 00m*	23:19	*9h 01m*	*4h 06m*				Mo, 6. Mai
Di, 7. Mai	MESZ	23:22 – 03:22*	*3h 59m*	AN+ *bis* AN_		05:18	20:27	03:25	*1h 00m*	04:25	*47m*	05:13	*39m*	05:53	*15h 00m*	20:53	*39m*	21:33	*48m*	22:21	*1h 01m*	23:22	*8h 58m*	*3h 59m*				Di, 7. Mai
Mi, 8. Mai	MESZ	23:25 – 03:19*	*3h 53m*	AN+ *bis* AN_	●	05:40	21:56	03:22	*1h 01m*	04:23	*48m*	05:11	*39m*	05:51	*15h 03m*	20:54	*40m*	21:34	*48m*	22:23	*1h 02m*	23:25	*8h 55m*	*3h 53m*				Mi, 8. Mai
Do, 9. Mai	MESZ	23:28 – 03:15*	*3h 47m*	AN+ *bis* AN_		06:08	23:20	03:19	*1h 02m*	04:21	*48m*	05:09	*40m*	05:49	*15h 06m*	20:56	*40m*	21:36	*48m*	22:25	*1h 03m*	23:28	*8h 52m*	*3h 47m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:33* – 03:12*	*2h 39m*	M↘ *bis* AN_		06:46	—:—	03:15	*1h 03m*	04:19	*48m*	05:08	*40m*	05:48	*15h 09m*	20:57	*40m*	21:38	*49m*	22:27	*1h 04m*	23:31	*8h 49m*	*3h 40m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	01:30* – 03:09*	*1h 39m*	M↘ *bis* AN_		07:37	00:33	03:12	*1h 04m*	04:17	*49m*	05:06	*40m*	05:46	*15h 12m*	20:58	*40m*	21:39	*49m*	22:29	*1h 05m*	23:35	*8h 46m*	*3h 34m*				Sa, 11. Mai
So, 12. Mai	MESZ	02:11* – 03:06*	*54m*	M↘ *bis* AN_		08:41	01:30	03:09	*1h 05m*	04:15	*49m*	05:04	*40m*	05:45	*15h 14m*	21:00	*41m*	21:41	*50m*	22:31	*1h 06m*	23:38	*8h 43m*	*3h 27m*				So, 12. Mai
Mo, 13. Mai	MESZ	02:40* – 03:02*	*22m*	M↘ *bis* AN_		09:52	02:11	03:06	*1h 06m*	04:13	*50m*	05:03	*40m*	05:44	*15h 17m*	21:01	*41m*	21:43	*50m*	22:33	*1h 08m*	23:41	*8h 40m*	*3h 21m*				Mo, 13. Mai
Di, 14. Mai	MESZ	—:— – —:—	–	Mond stört		11:06	02:40	03:02	*1h 08m*	04:11	*50m*	05:01	*41m*	05:42	*15h 20m*	21:03	*41m*	21:44	*50m*	22:35	*1h 09m*	23:44	*8h 38m*	*3h 14m*				Di, 14. Mai
Mi, 15. Mai	MESZ	—:— – —:—	–	Mond stört	◐	12:19	03:01	02:59	*1h 09m*	04:09	*50m*	04:59	*41m*	05:41	*15h 23m*	21:04	*41m*	21:46	*51m*	22:37	*1h 10m*	23:48	*8h 35m*	*3h 07m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:29	03:18	02:56	*1h 10m*	04:07	*51m*	04:58	*41m*	05:40	*15h 25m*	21:05	*41m*	21:47	*51m*	22:39	*1h 12m*	23:51	*8h 32m*	*3h 00m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:38	03:31	02:52	*1h 12m*	04:05	*51m*	04:56	*41m*	05:38	*15h 28m*	21:07	*42m*	21:49	*52m*	22:41	*1h 13m*	23:55	*8h 30m*	*2h 53m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:45	03:43	02:49	*1h 13m*	04:03	*52m*	04:55	*42m*	05:37	*15h 31m*	21:08	*42m*	21:50	*52m*	22:43	*1h 15m*	23:59	*8h 27m*	*2h 46m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:53	03:54	02:45	*1h 15m*	04:01	*52m*	04:53	*42m*	05:36	*15h 33m*	21:09	*42m*	21:52	*53m*	22:45	*1h 17m*	00:02*	*8h 25m*	*2h 39m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		18:02	04:06	02:42	*1h 17m*	03:59	*53m*	04:52	*42m*	05:35	*15h 36m*	21:11	*42m*	21:53	*53m*	22:47	*1h 18m*	00:06*	*8h 22m*	*2h 32m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		19:15	04:20	02:38	*1h 18m*	03:57	*53m*	04:51	*42m*	05:33	*15h 38m*	21:12	*42m*	21:55	*54m*	22:49	*1h 20m*	00:10*	*8h 20m*	*2h 24m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:30	04:36	02:34	*1h 20m*	03:55	*54m*	04:49	*42m*	05:32	*15h 40m*	21:13	*43m*	21:56	*54m*	22:51	*1h 23m*	00:14*	*8h 17m*	*2h 16m*				Mi, 22. Mai
Do, 23. Mai	MESZ	—:— – —:—	–	Mond stört	○	21:46	04:58	02:31	*1h 22m*	03:54	*54m*	04:48	*43m*	05:31	*15h 43m*	21:14	*43m*	21:58	*54m*	22:53	*1h 25m*	00:18*	*8h 15m*	*2h 08m*				Do, 23. Mai
Fr, 24. Mai	MESZ	—:— – —:—	–	Mond stört		23:00	05:27	02:27	*1h 25m*	03:52	*54m*	04:47	*43m*	05:30	*15h 45m*	21:16	*43m*	21:59	*55m*	22:55	*1h 27m*	00:22*	*8h 13m*	*2h 00m*				Fr, 24. Mai
Sa, 25. Mai	MESZ	—:— – —:—	–	Mond stört		—:—	06:09	02:23	*1h 27m*	03:50	*55m*	04:46	*43m*	05:29	*15h 47m*	21:17	*43m*	22:01	*55m*	22:56	*1h 30m*	00:27*	*8h 11m*	*1h 51m*				Sa, 25. Mai
So, 26. Mai	MESZ	00:31* – 00:54*	*23m*	AN+ *bis* M↗		00:04	07:06	02:18	*1h 30m*	03:49	*55m*	04:44	*43m*	05:28	*15h 49m*	21:18	*43m*	22:02	*56m*	22:58	*1h 32m*	00:31*	*8h 09m*	*1h 42m*				So, 26. Mai
Mo, 27. Mai	MESZ	00:36* – 01:32*	*55m*	AN+ *bis* M↗		00:54	08:17	02:14	*1h 32m*	03:47	*56m*	04:43	*43m*	05:27	*15h 51m*	21:19	*44m*	22:03	*56m*	23:00	*1h 36m*	00:36*	*8h 07m*	*1h 33m*				Mo, 27. Mai
Di, 28. Mai	MESZ	00:41* – 01:59*	*1h 17m*	AN+ *bis* M↗		01:32	09:38	02:09	*1h 36m*	03:45	*56m*	04:42	*44m*	05:26	*15h 53m*	21:20	*44m*	22:05	*57m*	23:02	*1h 39m*	00:41*	*8h 05m*	*1h 23m*				Di, 28. Mai
Mi, 29. Mai	MESZ	00:47* – 01:59*	*1h 11m*	AN+ *bis* AN_		01:59	11:03	02:04	*1h 39m*	03:44	*57m*	04:41	*44m*	05:26	*15h 55m*	21:21	*44m*	22:06	*57m*	23:03	*1h 43m*	00:47*	*8h 03m*	*1h 11m*				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	00:54* – 01:53*	*59m*	AN_+ *bis* AN_-	◑	02:20	12:27	01:59	*1h 43m*	03:43	*57m*	04:40	*44m*	05:25	*15h 57m*	21:22	*44m*	22:07	*58m*	23:05	*1h 48m*	00:54*	*8h 01m*	*59m*				Do, 30. Mai
Fr, 31. Mai	MESZ	01:01* – 01:45*	*43m*	AN_+ *bis* AN_-		02:36	13:50	01:53	*1h 48m*	03:41	*58m*	04:39	*44m*	05:24	*15h 59m*	21:23	*44m*	22:08	*58m*	23:07	*1h 54m*	01:01*	*7h 59m*	*43m*				Fr, 31. Mai
Sa, 1. Jun	MESZ	01:13* – 01:34*	*20m*	AN_+ *bis* AN_-		02:52	15:13	01:45	*1h 54m*	03:40	*58m*	04:38	*44m*	05:23	*16h 01m*	21:24	*45m*	22:09	*58m*	23:08	*2h 04m*	01:13*	*7h 58m*	*20m*				Sa, 1. Jun
So, 2. Jun	MESZ			Astr. MD		03:06	16:36	01:34	*2h 04m*	03:39	*58m*	04:38	*45m*	05:23	*16h 02m*	21:25	*45m*	22:11	*59m*	23:10		—:—	*7h 56m*		23:10 – 03:22*	*4h 12m*	ND_+ *bis* $M_↑$	So, 2. Jun
Mo, 3. Jun	MESZ			Astr. MD		03:22	18:02	—:—		03:37	*59m*	04:37	*45m*	05:22	*16h 04m*	21:26	*45m*	22:12	*59m*	23:11		—:—	*7h 55m*		23:11 – 03:36*	*4h 25m*	ND_+ *bis* ND_-	Mo, 3. Jun
Di, 4. Jun	MESZ			Astr. MD		03:41	19:28	—:—		03:36	*59m*	04:36	*45m*	05:21	*16h 05m*	21:27	*45m*	22:13	*1h 00m*	23:13		—:—	*7h 53m*		23:13 – 03:35*	*4h 22m*	ND_+ *bis* ND_-	Di, 4. Jun
Mi, 5. Jun	MESZ			Astr. MD		04:06	20:54	—:—		03:35	*1h 00m*	04:35	*45m*	05:21	*16h 07m*	21:28	*45m*	22:14	*1h 00m*	23:14		—:—	*7h 52m*		23:14 – 03:34*	*4h 20m*	ND_+ *bis* ND_-	Mi, 5. Jun
Do, 6. Jun	MESZ			Astr. MD	●	04:39	22:12	—:—		03:34	*1h 00m*	04:35	*45m*	05:20	*16h 08m*	21:29	*45m*	22:15	*1h 00m*	23:15		—:—	*7h 51m*		23:15 – 03:33*	*4h 17m*	ND_+ *bis* ND_-	Do, 6. Jun
Fr, 7. Jun	MESZ			Astr. MD		05:24	23:16	—:—		03:33	*1h 00m*	04:34	*45m*	05:20	*16h 09m*	21:30	*45m*	22:16	*1h 01m*	23:17		—:—	*7h 49m*		23:17 – 03:33*	*4h 15m*	ND_+ *bis* ND_-	Fr, 7. Jun
Sa, 8. Jun	MESZ			Astr. MD		06:23	—:—	—:—		03:33	*1h 01m*	04:34	*45m*	05:20	*16h 10m*	21:30	*46m*	22:17	*1h 01m*	23:18		—:—	*7h 48m*		00:05* – 03:32*	*3h 27m*	$M_↓$ *bis* ND_-	Sa, 8. Jun
So, 9. Jun	MESZ			Astr. MD		07:32	00:05	—:—		03:32	*1h 01m*	04:33	*46m*	05:19	*16h 11m*	21:31	*46m*	22:17	*1h 01m*	23:19		—:—	*7h 47m*		00:39* – 03:31*	*2h 52m*	$M_↓$ *bis* ND_-	So, 9. Jun
Mo, 10. Jun	MESZ			Astr. MD		08:47	00:39	—:—		03:31	*1h 01m*	04:33	*46m*	05:19	*16h 12m*	21:32	*46m*	22:18	*1h 01m*	23:20		—:—	*7h 46m*		01:04* – 03:30*	*2h 26m*	$M_↓$ *bis* ND_-	Mo, 10. Jun
Di, 11. Jun	MESZ			Astr. MD		10:02	01:04	—:—		03:30	*1h 01m*	04:32	*46m*	05:19	*16h 13m*	21:32	*46m*	22:19	*1h 02m*	23:21		—:—	*7h 45m*		01:22* – 03:30*	*2h 07m*	$M_↓$ *bis* ND_-	Di, 11. Jun
Mi, 12. Jun	MESZ			Astr. MD		11:14	01:22	—:—		03:30	*1h 02m*	04:32	*46m*	05:18	*16h 14m*	21:33	*46m*	22:20	*1h 02m*	23:22		—:—	*7h 45m*		01:37* – 03:29*	*1h 52m*	$M_↓$ *bis* ND_-	Mi, 12. Jun
Do, 13. Jun	MESZ			Astr. MD		12:23	01:37	—:—		03:29	*1h 02m*	04:32	*46m*	05:18	*16h 15m*	21:34	*46m*	22:20	*1h 02m*	23:23		—:—	*7h 44m*		01:49* – 03:29*	*1h 39m*	$M_↓$ *bis* ND_-	Do, 13. Jun
Fr, 14. Jun	MESZ			Astr. MD	◐	13:31	01:49	—:—		03:29	*1h 02m*	04:32	*46m*	05:18	*16h 15m*	21:34	*46m*	22:21	*1h 02m*	23:24		—:—	*7h 43m*		02:01* – 03:29*	*1h 28m*	$M_↓$ *bis* ND_-	Fr, 14. Jun
Sa, 15. Jun	MESZ			Astr. MD		14:38	02:01	—:—		03:29	*1h 02m*	04:31	*46m*	05:18	*16h 16m*	21:35	*46m*	22:21	*1h 02m*	23:24		—:—	*7h 43m*		02:12* – 03:28*	*1h 16m*	$M_↓$ *bis* ND_-	Sa, 15. Jun
So, 16. Jun	MESZ			Astr. MD		15:46	02:12	—:—		03:28	*1h 02m*	04:31	*46m*	05:18	*16h 16m*	21:35	*46m*	22:22	*1h 03m*	23:25		—:—	*7h 43m*		02:25* – 03:28*	*1h 03m*	$M_↓$ *bis* ND_-	So, 16. Jun
Mo, 17. Jun	MESZ			Astr. MD		16:57	02:25	—:—		03:28	*1h 03m*	04:31	*46m*	05:18	*16h 17m*	21:35	*46m*	22:22	*1h 03m*	23:25		—:—	*7h 42m*		02:40* – 03:28*	*47m*	$M_↓$ *bis* ND_-	Mo, 17. Jun
Di, 18. Jun	MESZ			Astr. MD		18:11	02:40	—:—		03:28	*1h 03m*	04:31	*46m*	05:18	*16h 17m*	21:36	*46m*	22:23	*1h 03m*	23:26		—:—	*7h 42m*		03:00* – 03:28*	*28m*	$M_↓$ *bis* ND_-	Di, 18. Jun
Mi, 19. Jun	MESZ			Astr. MD		19:27	03:00	—:—		03:28	*1h 03m*	04:31	*46m*	05:18	*16h 17m*	21:36	*46m*	22:23	*1h 03m*	23:26		—:—	*7h 42m*		03:26* – 03:28*	*2m*	$M_↓$ *bis* ND_-	Mi, 19. Jun
Do, 20. Jun	MESZ			Astr. MD		20:43	03:26	—:—		03:28	*1h 03m*	04:32	*46m*	05:18	*16h 17m*	21:36	*46m*	22:23	*1h 03m*	23:26		—:—	*7h 42m*		—:— – —:—	–	Mond stört	Do, 20. Jun
Fr, 21. Jun	MESZ			Astr. MD		21:52	04:03	—:—		03:29	*1h 03m*	04:32	*46m*	05:19	*16h 17m*	21:36	*46m*	22:23	*1h 03m*	23:26		—:—	*7h 42m*		—:— – —:—	–	Mond stört	Fr, 21. Jun
Sa, 22. Jun	MESZ			Astr. MD	○	22:49	04:55	—:—		03:29	*1h 03m*	04:32	*46m*	05:19	*16h 17m*	21:37	*46m*	22:23	*1h 03m*	23:27		—:—	*7h 42m*		—:— – —:—	–	Mond stört	Sa, 22. Jun
So, 23. Jun	MESZ			Astr. MD		23:31	06:03	—:—		03:29	*1h 03m*	04:32	*46m*	05:19	*16h 17m*	21:37	*46m*	22:23	*1h 03m*	23:27		—:—	*7h 42m*		23:27 – 23:31	*4m*	ND_+ *bis* $M_↑$	So, 23. Jun
Mo, 24. Jun	MESZ			Astr. MD		—:—	07:23	—:—		03:30	*1h 03m*	04:33	*46m*	05:20	*16h 17m*	21:37	*46m*	22:23	*1h 02m*	23:26		—:—	*7h 43m*		23:26 – 00:02*	*35m*	ND_+ *bis* $M_↑$	Mo, 24. Jun
Di, 25. Jun	MESZ			Astr. MD		00:02	08:49	—:—		03:30	*1h 02m*	04:33	*46m*	05:20	*16h 16m*	21:37	*46m*	22:23	*1h 02m*	23:26		—:—	*7h 43m*		23:26 – 00:25*	*58m*	ND_+ *bis* $M_↑$	Di, 25. Jun
Mi, 26. Jun	MESZ			Astr. MD		00:25	10:15	—:—		03:31	*1h 02m*	04:34	*46m*	05:20	*16h 16m*	21:37	*46m*	22:23	*1h 02m*	23:26		—:—	*7h 44m*		23:26 – 00:43*	*1h 16m*	ND_+ *bis* $M_↑$	Mi, 26. Jun
Do, 27. Jun	MESZ			Astr. MD		00:43	11:39	—:—		03:31	*1h 02m*	04:34	*46m*	05:21	*16h 15m*	21:37	*46m*	22:23	*1h 02m*	23:26		—:—	*7h 44m*		23:26 – 00:58*	*1h 32m*	ND_+ *bis* $M_↑$	Do, 27. Jun
Fr, 28. Jun	MESZ			Astr. MD	◑	00:58	13:02	—:—		03:32	*1h 02m*	04:35	*46m*	05:21	*16h 15m*	21:37	*46m*	22:23	*1h 02m*	23:25		—:—	*7h 45m*		23:25 – 01:13*	*1h 47m*	ND_+ *bis* $M_↑$	Fr, 28. Jun
Sa, 29. Jun	MESZ			Astr. MD		01:13	14:24	—:—		03:33	*1h 02m*	04:35	*46m*	05:22	*16h 14m*	21:36	*46m*	22:23	*1h 02m*	23:25		—:—	*7h 46m*		23:25 – 01:28*	*2h 03m*	ND_+ *bis* $M_↑$	Sa, 29. Jun
So, 30. Jun	MESZ			Astr. MD		01:28	15:47	—:—		03:34	*1h 02m*	04:36	*46m*	05:22	*16h 13m*	21:36	*46m*	22:22	*1h 01m*	23:24		—:—	*7h 46m*		23:24 – 01:46*	*2h 21m*	ND_+ *bis* $M_↑$	So, 30. Jun
Mo, 1. Jul	MESZ			Astr. MD		01:46	17:11	—:—		03:35	*1h 01m*	04:37	*46m*	05:23	*16h 12m*	21:36	*46m*	22:22	*1h 01m*	23:24		—:—	*7h 47m*		23:24 – 02:07*	*2h 43m*	ND_+ *bis* $M_↑$	Mo, 1. Jul
Di, 2. Jul	MESZ			Astr. MD		02:07	18:35	—:—		03:36	*1h 01m*	04:38	*46m*	05:24	*16h 11m*	21:36	*46m*	22:22	*1h 01m*	23:23		—:—	*7h 48m*		23:23 – 02:36*	*3h 13m*	ND_+ *bis* $M_↑$	Di, 2. Jul
Mi, 3. Jul	MESZ			Astr. MD		02:36	19:55	—:—		03:37	*1h 01m*	04:38	*46m*	05:24	*16h 10m*	21:35	*45m*	22:21	*1h 00m*	23:22		—:—	*7h 50m*		23:22 – 03:16*	*3h 53m*	ND_+ *bis* $M_↑$	Mi, 3. Jul
Do, 4. Jul	MESZ			Astr. MD		03:16	21:04	—:—		03:38	*1h 00m*	04:39	*45m*	05:25	*16h 09m*	21:35	*45m*	22:21	*1h 00m*	23:21		—:—	*7h 51m*		23:21 – 03:40*	*4h 18m*	ND_+ *bis* ND_-	Do, 4. Jul
Fr, 5. Jul	MESZ			Astr. MD		04:09	21:58	—:—		03:40	*1h 00m*	04:40	*45m*	05:26	*16h 08m*	21:34	*45m*	22:20	*1h 00m*	23:20		—:—	*7h 52m*		23:20 – 03:41*	*4h 20m*	ND_+ *bis* ND_-	Fr, 5. Jul
Sa, 6. Jul	MESZ			Astr. MD	●	05:14	22:37	—:—		03:41	*1h 00m*	04:41	*45m*	05:27	*16h 06m*	21:34	*45m*	22:19	*59m*	23:19		—:—	*7h 53m*		23:19 – 03:42*	*4h 22m*	ND_+ *bis* ND_-	Sa, 6. Jul
So, 7. Jul	MESZ			Astr. MD		06:28	23:05	—:—		03:42	*59m*	04:42	*45m*	05:28	*16h 05m*	21:33	*45m*	22:19	*59m*	23:18		—:—	*7h 55m*		23:18 – 03:44*	*4h 25m*	ND_+ *bis* ND_-	So, 7. Jul
Mo, 8. Jul	MESZ			Astr. MD		07:43	23:26	—:—		03:44	*59m*	04:43	*45m*	05:29	*16h 04m*	21:33	*45m*	22:18	*59m*	23:17		—:—	*7h 56m*		23:26 – 03:45*	*4h 19m*	$M_↓$ *bis* ND_-	Mo, 8. Jul
Di, 9. Jul	MESZ	01:18* – 01:44*	*26m*	AN_+ *bis* AN_-		08:57	23:42	—:—		03:45	*59m*	04:44	*45m*	05:29	*16h 02m*	21:32	*45m*	22:17	*58m*	23:16	*2h 02m*	01:18*	*7h 58m*	*26m*				Di, 9. Jul
Mi, 10. Jul	MESZ	01:08* – 01:55*	*46m*	AN_+ *bis* AN_-		10:08	23:55	01:44	*2h 02m*	03:47	*58m*	04:45	*45m*	05:30	*16h 00m*	21:31	*44m*	22:16	*58m*	23:15	*1h 53m*	01:08*	*8h 00m*	*46m*				Mi, 10. Jul
Do, 11. Jul	MESZ	01:01* – 02:02*	*1h 01m*	AN_+ *bis* AN_-		11:17	—:—	01:55	*1h 53m*	03:48	*58m*	04:47	*44m*	05:31	*15h 59m*	21:31	*44m*	22:15	*57m*	23:13	*1h 47m*	01:01*	*8h 01m*	*1h 01m*				Do, 11. Jul
Fr, 12. Jul	MESZ	00:55* – 02:08*	*1h 13m*	AN_+ *bis* AN_-		12:24	00:07	02:02	*1h 47m*	03:50	*57m*	04:48	*44m*	05:32	*15h 57m*	21:30	*44m*	22:14	*57m*	23:12	*1h 42m*	00:55*	*8h 03m*	*1h 13m*				Fr, 12. Jul
Sa, 13. Jul	MESZ	00:49* – 02:14*	*1h 24m*	AN_+ *bis* AN_-		13:31	00:18	02:08	*1h 42m*	03:51	*57m*	04:49	*44m*	05:33	*15h 55m*	21:29	*44m*	22:13	*57m*	23:10	*1h 39m*	00:49*	*8h 05m*	*1h 24m*				Sa, 13. Jul
So, 14. Jul	MESZ	00:44* – 02:19*	*1h 34m*	AN_+ *bis* AN_-	◐	14:40	00:30	02:14	*1h 39m*	03:53	*57m*	04:50	*44m*	05:34	*15h 53m*	21:28	*44m*	22:12	*56m*	23:09	*1h 35m*	00:44*	*8h 07m*	*1h 34m*				So, 14. Jul
Mo, 15. Jul	MESZ	01:01* – 02:24*	*1h 22m*	$M_↓$ *bis* AN_-		15:52	00:44	02:19	*1h 35m*	03:55	*56m*	04:51	*44m*	05:36	*15h 51m*	21:27	*43m*	22:11	*56m*	23:07	*1h 32m*	00:40*	*8h 09m*	*1h 44m*				Mo, 15. Jul
Di, 16. Jul	MESZ	01:24* – 02:29*	*1h 04m*	$M_↓$ *bis* AN_-		17:07	01:01	02:24	*1h 32m*	03:57	*56m*	04:53	*43m*	05:37	*15h 49m*	21:26	*43m*	22:10	*55m*	23:06	*1h 29m*	00:36*	*8h 11m*	*1h 52m*				Di, 16. Jul
Mi, 17. Jul	MESZ	01:56* – 02:33*	*37m*	$M_↓$ *bis* AN_-		18:22	01:24	02:29	*1h 29m*	03:58	*55m*	04:54	*43m*	05:38	*15h 47m*	21:25	*43m*	22:09	*55m*	23:04	*1h 27m*	00:31*	*8h 13m*	*2h 01m*				Mi, 17. Jul
Do, 18. Jul	MESZ	—:— – —:—	–	Mond stört		19:35	01:56	02:33	*1h 27m*	04:00	*55m*	04:55	*43m*	05:39	*15h 45m*	21:24	*43m*	22:08	*54m*	23:02	*1h 24m*	00:27*	*8h 15m*	*2h 09m*				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		20:38	02:41	02:37	*1h 24m*	04:02	*54m*	04:57	*43m*	05:40	*15h 42m*	21:23	*43m*	22:06	*54m*	23:01	*1h 22m*	00:23*	*8h 18m*	*2h 17m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:——:—	–	Mond stört		21:26	03:42	02:41	*1h 22m*	04:04	*54m*	04:58	*43m*	05:41	*15h 40m*	21:22	*42m*	22:05	*53m*	22:59	*1h 20m*	00:20*	*8h 20m*	*2h 25m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:——:—	–	Mond stört	○	22:02	04:59	02:45	*1h 20m*	04:06	*53m*	05:00	*42m*	05:43	*15h 38m*	21:21	*42m*	22:04	*53m*	22:57	*1h 18m*	00:16*	*8h 22m*	*2h 32m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:——:—	–	Mond stört		22:28	06:26	02:49	*1h 18m*	04:08	*53m*	05:01	*42m*	05:44	*15h 35m*	21:20	*42m*	22:02	*53m*	22:55	*1h 17m*	00:12*	*8h 25m*	*2h 40m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:——:—	–	Mond stört		22:48	07:55	02:52	*1h 17m*	04:09	*53m*	05:03	*42m*	05:45	*15h 33m*	21:18	*42m*	22:01	*52m*	22:53	*1h 15m*	00:09*	*8h 27m*	*2h 47m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:——:—	–	Mond stört		23:05	09:22	02:56	*1h 15m*	04:11	*52m*	05:04	*42m*	05:46	*15h 30m*	21:17	*42m*	21:59	*52m*	22:51	*1h 13m*	00:05*	*8h 30m*	*2h 54m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:——:—	–	Mond stört		23:20	10:48	03:00	*1h 13m*	04:13	*52m*	05:06	*42m*	05:48	*15h 28m*	21:16	*41m*	21:58	*51m*	22:50	*1h 12m*	00:02*	*8h 32m*	*3h 01m*				Do, 25. Jul
Fr, 26. Jul	MESZ	—:——:—	–	Mond stört		23:35	12:11	03:03	*1h 12m*	04:15	*51m*	05:07	*41m*	05:49	*15h 25m*	21:15	*41m*	21:56	*51m*	22:48	*1h 10m*	23:58	*8h 35m*	*3h 08m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	—:——:—	–	Mond stört		23:51	13:35	03:07	*1h 10m*	04:17	*51m*	05:09	*41m*	05:50	*15h 23m*	21:13	*41m*	21:55	*50m*	22:46	*1h 09m*	23:55	*8h 38m*	*3h 14m*				Sa, 27. Jul
So, 28. Jul	MESZ	23:52 – 00:11*	*19m*	AN_+ *bis* $M_↗$	◑	—:—	14:59	03:10	*1h 09m*	04:19	*50m*	05:10	*41m*	05:52	*15h 20m*	21:12	*41m*	21:53	*50m*	22:44	*1h 08m*	23:52	*8h 40m*	*3h 21m*				So, 28. Jul
Mo, 29. Jul	MESZ	23:48 – 00:37*	*49m*	AN_+ *bis* $M_↗$		00:11	16:23	03:13	*1h 08m*	04:21	*50m*	05:12	*41m*	05:53	*15h 17m*	21:10	*40m*	21:51	*50m*	22:42	*1h 06m*	23:48	*8h 43m*	*3h 28m*				Mo, 29. Jul
Di, 30. Jul	MESZ	23:45 – 01:13*	*1h 27m*	AN_+ *bis* $M_↗$		00:37	17:44	03:16	*1h 06m*	04:23	*50m*	05:13	*40m*	05:54	*15h 14m*	21:09	*40m*	21:50	*49m*	22:39	*1h 05m*	23:45	*8h 46m*	*3h 34m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:42 – 02:01*	*2h 18m*	AN_+ *bis* $M_↗$		01:13	18:56	03:20	*1h 05m*	04:25	*49m*	05:15	*40m*	05:56	*15h 11m*	21:08	*40m*	21:48	*49m*	22:37	*1h 04m*	23:42	*8h 49m*	*3h 41m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:39 – 03:01*	*3h 22m*	AN_+ *bis* $M_↗$		02:01	19:54	03:23	*1h 04m*	04:27	*49m*	05:16	*40m*	05:57	*15h 09m*	21:06	*40m*	21:46	*48m*	22:35	*1h 03m*	23:39	*8h 52m*	*3h 47m*				Do, 1. Aug
Fr, 2. Aug	MESZ	23:35 – 03:29*	*3h 53m*	AN_+ *bis* AN_-		03:01	20:37	03:26	*1h 03m*	04:29	*48m*	05:18	*40m*	05:58	*15h 06m*	21:04	*40m*	21:45	*48m*	22:33	*1h 02m*	23:35	*8h 55m*	*3h 53m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	23:32 – 03:32*	*3h 59m*	AN_+ *bis* AN_-		04:12	21:08	03:29	*1h 02m*	04:31	*48m*	05:20	*40m*	06:00	*15h 03m*	21:03	*39m*	21:43	*48m*	22:31	*1h 01m*	23:32	*8h 58m*	*3h 59m*				Sa, 3. Aug
So, 4. Aug	MESZ	23:29 – 03:35*	*4h 05m*	AN_+ *bis* AN_-	●	05:27	21:30	03:32	*1h 01m*	04:33	*48m*	05:21	*39m*	06:01	*15h 00m*	21:01	*39m*	21:41	*47m*	22:29	*1h 00m*	23:29	*9h 01m*	*4h 05m*				So, 4. Aug
Mo, 5. Aug	MESZ	23:26 – 03:38*	*4h 11m*	AN_+ *bis* AN_-		06:41	21:48	03:35	*1h 00m*	04:35	*47m*	05:23	*39m*	06:03	*14h 57m*	21:00	*39m*	21:39	*47m*	22:27	*59m*	23:26	*9h 04m*	*4h 11m*				Mo, 5. Aug
Di, 6. Aug	MESZ	23:23 – 03:41*	*4h 17m*	AN_+ *bis* AN_-		07:54	22:02	03:38	*59m*	04:37	*47m*	05:24	*39m*	06:04	*14h 54m*	20:58	*39m*	21:37	*46m*	22:24	*58m*	23:23	*9h 07m*	*4h 17m*				Di, 6. Aug
Mi, 7. Aug	MESZ	23:20 – 03:44*	*4h 23m*	AN_+ *bis* AN_-		09:03	22:14	03:41	*58m*	04:39	*46m*	05:26	*39m*	06:05	*14h 50m*	20:56	*39m*	21:36	*46m*	22:22	*57m*	23:20	*9h 10m*	*4h 23m*				Mi, 7. Aug
Do, 8. Aug	MESZ	23:17 – 03:46*	*4h 29m*	AN_+ *bis* AN_-		10:11	22:25	03:44	*57m*	04:41	*46m*	05:28	*39m*	06:07	*14h 47m*	20:55	*38m*	21:34	*46m*	22:20	*56m*	23:17	*9h 13m*	*4h 29m*				Do, 8. Aug
Fr, 9. Aug	MESZ	23:14 – 03:49*	*4h 35m*	AN_+ *bis* AN_-		11:18	22:37	03:46	*56m*	04:43	*46m*	05:29	*38m*	06:08	*14h 44m*	20:53	*38m*	21:32	*45m*	22:18	*55m*	23:14	*9h 16m*	*4h 35m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	23:10 – 03:52*	*4h 41m*	AN_+ *bis* AN_-		12:26	22:49	03:49	*55m*	04:45	*45m*	05:31	*38m*	06:10	*14h 41m*	20:51	*38m*	21:30	*45m*	22:15	*55m*	23:10	*9h 19m*	*4h 41m*				Sa, 10. Aug
So, 11. Aug	MESZ	23:07 – 03:55*	*4h 47m*	AN_+ *bis* AN_-		13:36	23:05	03:52	*55m*	04:47	*45m*	05:33	*38m*	06:11	*14h 38m*	20:49	*38m*	21:28	*45m*	22:13	*54m*	23:07	*9h 23m*	*4h 47m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:24 – 03:57*	*4h 33m*	$M_↘$ *bis* AN_-	◐	14:48	23:24	03:55	*54m*	04:49	*45m*	05:34	*38m*	06:13	*14h 35m*	20:48	*38m*	21:26	*44m*	22:11	*53m*	23:04	*9h 26m*	*4h 52m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:51 – 04:00*	*4h 09m*	$M_↘$ *bis* AN_-		16:03	23:51	03:57	*53m*	04:51	*44m*	05:36	*38m*	06:14	*14h 31m*	20:46	*38m*	21:24	*44m*	22:08	*53m*	23:01	*9h 29m*	*4h 58m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:28* – 04:02*	*3h 33m*	$M_↘$ *bis* AN_-		17:16	—:—	04:00	*53m*	04:53	*44m*	05:37	*38m*	06:15	*14h 28m*	20:44	*37m*	21:22	*44m*	22:06	*52m*	22:58	*9h 32m*	*5h 03m*				Mi, 14. Aug
Do, 15. Aug	MESZ	01:21* – 04:05*	*2h 43m*	$M_↘$ *bis* AN_-		18:22	00:28	04:02	*52m*	04:55	*44m*	05:39	*37m*	06:17	*14h 25m*	20:42	*37m*	21:20	*43m*	22:04	*51m*	22:55	*9h 36m*	*5h 09m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:31* – 04:08*	*1h 36m*	$M_↘$ *bis* AN_-		19:17	01:21	04:05	*51m*	04:57	*43m*	05:41	*37m*	06:18	*14h 21m*	20:40	*37m*	21:18	*43m*	22:01	*51m*	22:53	*9h 39m*	*5h 14m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	03:54* – 04:10*	*15m*	$M_↘$ *bis* AN_-		19:58	02:31	04:08	*51m*	04:59	*43m*	05:42	*37m*	06:20	*14h 18m*	20:38	*37m*	21:16	*43m*	21:59	*50m*	22:50	*9h 42m*	*5h 20m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:——:—	–	Mond stört		20:28	03:54	04:10	*50m*	05:01	*43m*	05:44	*37m*	06:21	*14h 15m*	20:37	*37m*	21:14	*42m*	21:57	*50m*	22:47	*9h 46m*	*5h 25m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:——:—	–	Mond stört	○	20:51	05:24	04:12	*50m*	05:03	*42m*	05:46	*37m*	06:23	*14h 11m*	20:35	*37m*	21:12	*42m*	21:54	*49m*	22:44	*9h 49m*	*5h 31m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:——:—	–	Mond stört		21:09	06:54	04:15	*49m*	05:04	*42m*	05:47	*37m*	06:24	*14h 08m*	20:33	*36m*	21:10	*42m*	21:52	*48m*	22:41	*9h 52m*	*5h 36m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:——:—	–	Mond stört		21:25	08:23	04:17	*48m*	05:06	*42m*	05:49	*36m*	06:26	*14h 05m*	20:31	*36m*	21:07	*42m*	21:50	*48m*	22:38	*9h 56m*	*5h 41m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:——:—	–	Mond stört		21:40	09:50	04:20	*48m*	05:08	*42m*	05:50	*36m*	06:27	*14h 01m*	20:29	*36m*	21:05	*41m*	21:47	*47m*	22:35	*9h 59m*	*5h 46m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:——:—	–	Mond stört		21:56	11:17	04:22	*47m*	05:10	*41m*	05:52	*36m*	06:29	*13h 58m*	20:27	*36m*	21:03	*41m*	21:45	*47m*	22:32	*10h 03m*	*5h 52m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	—:——:—	–	Mond stört		22:16	12:44	04:24	*47m*	05:12	*41m*	05:54	*36m*	06:30	*13h 54m*	20:25	*36m*	21:01	*41m*	21:42	*47m*	22:29	*10h 06m*	*5h 57m*				Sa, 24. Aug
So, 25. Aug	MESZ	22:27 – 22:40	*13m*	AN_+ *bis* $M_↗$		22:40	14:10	04:27	*47m*	05:14	*41m*	05:55	*36m*	06:31	*13h 51m*	20:23	*36m*	20:59	*41m*	21:40	*46m*	22:27	*10h 10m*	*6h 02m*				So, 25. Aug
Mo, 26. Aug	MESZ	22:24 – 23:12	*48m*	AN_+ *bis* $M_↗$	◑	23:12	15:34	04:29	*46m*	05:16	*41m*	05:57	*36m*	06:33	*13h 47m*	20:21	*35m*	20:57	*40m*	21:38	*46m*	22:24	*10h 13m*	*6h 07m*				Mo, 26. Aug
Di, 27. Aug	MESZ	22:21 – 23:56	*1h 35m*	AN_+ *bis* $M_↗$		23:56	16:49	04:31	*46m*	05:17	*40m*	05:58	*36m*	06:34	*13h 44m*	20:19	*35m*	20:55	*40m*	21:35	*45m*	22:21	*10h 17m*	*6h 12m*				Di, 27. Aug
Mi, 28. Aug	MESZ	22:18 – 00:53*	*2h 34m*	AN_+ *bis* $M_↗$		—:—	17:51	04:33	*45m*	05:19	*40m*	06:00	*35m*	06:36	*13h 40m*	20:17	*35m*	20:52	*40m*	21:33	*45m*	22:18	*10h 20m*	*6h 17m*				Mi, 28. Aug
Do, 29. Aug	MESZ	22:15 – 02:01*	*3h 45m*	AN_+ *bis* $M_↗$		00:53	18:38	04:36	*45m*	05:21	*40m*	06:01	*35m*	06:37	*13h 37m*	20:15	*35m*	20:50	*40m*	21:30	*44m*	22:15	*10h 24m*	*6h 22m*				Do, 29. Aug
Fr, 30. Aug	MESZ	22:13 – 03:14*	*5h 01m*	AN_+ *bis* $M_↗$		02:01	19:12	04:38	*44m*	05:23	*40m*	06:03	*35m*	06:39	*13h 33m*	20:13	*35m*	20:48	*40m*	21:28	*44m*	22:13	*10h 27m*	*6h 27m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	22:10 – 04:29*	*6h 18m*	AN_+ *bis* $M_↗$		03:14	19:36	04:40	*44m*	05:25	*40m*	06:05	*35m*	06:40	*13h 30m*	20:10	*35m*	20:46	*39m*	21:26	*44m*	22:10	*10h 31m*	*6h 32m*				Sa, 31. Aug
So, 1. Sep	MESZ	22:07 – 04:44*	*6h 37m*	AN_+ *bis* AN_-		04:29	19:55	04:42	*44m*	05:26	*39m*	06:06	*35m*	06:42	*13h 26m*	20:08	*35m*	20:44	*39m*	21:23	*43m*	22:07	*10h 34m*	*6h 37m*				So, 1. Sep
Mo, 2. Sep	MESZ	22:04 – 04:46*	*6h 41m*	AN_+ *bis* AN_-		05:41	20:09	04:44	*43m*	05:28	*39m*	06:08	*35m*	06:43	*13h 23m*	20:06	*35m*	20:41	*39m*	21:21	*43m*	22:04	*10h 38m*	*6h 41m*				Mo, 2. Sep
Di, 3. Sep	MESZ	22:02 – 04:48*	*6h 46m*	AN_+ *bis* AN_-	●	06:52	20:22	04:46	*43m*	05:30	*39m*	06:09	*35m*	06:45	*13h 19m*	20:04	*35m*	20:39	*39m*	21:18	*43m*	22:02	*10h 41m*	*6h 46m*				Di, 3. Sep
Mi, 4. Sep	MESZ	21:59 – 04:50*	*6h 51m*	AN_+ *bis* AN_-		08:00	20:33	04:48	*43m*	05:32	*39m*	06:11	*35m*	06:46	*13h 16m*	20:02	*34m*	20:37	*39m*	21:16	*42m*	21:59	*10h 45m*	*6h 51m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:56 – 04:52*	*6h 56m*	AN_+ *bis* AN_-		09:07	20:44	04:50	*42m*	05:33	*39m*	06:12	*35m*	06:47	*13h 12m*	20:00	*34m*	20:35	*38m*	21:14	*42m*	21:56	*10h 49m*	*6h 56m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:54 – 04:54*	*7h 00m*	AN_+ *bis* AN_-		10:15	20:56	04:52	*42m*	05:35	*38m*	06:14	*34m*	06:49	*13h 08m*	19:58	*34m*	20:33	*38m*	21:11	*42m*	21:54	*10h 52m*	*7h 00m*				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	21:51 – 04:56*	*7h 05m*	AN_+ *bis* AN_-		11:24	21:10	04:54	*42m*	05:37	*38m*	06:16	*34m*	06:50	*13h 05m*	19:56	*34m*	20:30	*38m*	21:09	*42m*	21:51	*10h 56m*	*7h 05m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:48 – 04:58*	*7h 09m*	AN_+ *bis* AN_-		12:35	21:28	04:56	*42m*	05:38	*38m*	06:17	*34m*	06:52	*13h 01m*	19:53	*34m*	20:28	*38m*	21:07	*41m*	21:48	*10h 59m*	*7h 09m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:51 – 05:00*	*7h 09m*	$M_↘$ *bis* AN_-		13:48	21:51	04:58	*41m*	05:40	*38m*	06:19	*34m*	06:53	*12h 58m*	19:51	*34m*	20:26	*38m*	21:04	*41m*	21:46	*11h 03m*	*7h 14m*				Mo, 9. Sep
Di, 10. Sep	MESZ	22:23 – 05:02*	*6h 39m*	$M_↘$ *bis* AN_-		15:00	22:23	05:00	*41m*	05:42	*38m*	06:20	*34m*	06:55	*12h 54m*	19:49	*34m*	20:24	*38m*	21:02	*41m*	21:43	*11h 07m*	*7h 19m*				Di, 10. Sep
Mi, 11. Sep	MESZ	23:07 – 05:04*	*5h 56m*	$M_↘$ *bis* AN_-	◐	16:08	23:07	05:02	*41m*	05:43	*38m*	06:22	*34m*	06:56	*12h 50m*	19:47	*34m*	20:21	*38m*	20:59	*41m*	21:40	*11h 10m*	*7h 23m*				Mi, 11. Sep
Do, 12. Sep	MESZ	00:08* – 05:06*	*4h 57m*	$M_↘$ *bis* AN_-		17:07	—:—	05:04	*41m*	05:45	*38m*	06:23	*34m*	06:58	*12h 47m*	19:45	*34m*	20:19	*37m*	20:57	*40m*	21:38	*11h 14m*	*7h 28m*				Do, 12. Sep
Fr, 13. Sep	MESZ	01:24* – 05:08*	*3h 44m*	$M_↘$ *bis* AN_-		17:53	00:08	05:06	*40m*	05:47	*37m*	06:25	*34m*	06:59	*12h 43m*	19:43	*34m*	20:17	*37m*	20:55	*40m*	21:35	*11h 17m*	*7h 32m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:49* – 05:10*	*2h 20m*	$M_↘$ *bis* AN_-		18:27	01:24	05:08	*40m*	05:48	*37m*	06:26	*34m*	07:01	*12h 39m*	19:41	*34m*	20:15	*37m*	20:52	*40m*	21:33	*11h 21m*	*7h 36m*				Sa, 14. Sep
So, 15. Sep	MESZ	04:19* – 05:11*	*52m*	$M_↘$ *bis* AN_-		18:52	02:49	05:10	*40m*	05:50	*37m*	06:28	*34m*	07:02	*12h 36m*	19:38	*34m*	20:13	*37m*	20:50	*40m*	21:30	*11h 25m*	*7h 41m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		19:12	04:19	05:11	*40m*	05:52	*37m*	06:29	*34m*	07:03	*12h 32m*	19:36	*34m*	20:10	*37m*	20:48	*39m*	21:28	*11h 28m*	*7h 45m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:29	05:48	05:13	*39m*	05:53	*37m*	06:31	*34m*	07:05	*12h 29m*	19:34	*34m*	20:08	*37m*	20:45	*39m*	21:25	*11h 32m*	*7h 49m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:44	07:18	05:15	*39m*	05:55	*37m*	06:32	*34m*	07:06	*12h 25m*	19:32	*34m*	20:06	*37m*	20:43	*39m*	21:23	*11h 35m*	*7h 54m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		20:00	08:47	05:17	*39m*	05:56	*37m*	06:34	*34m*	07:08	*12h 21m*	19:30	*33m*	20:04	*37m*	20:41	*39m*	21:20	*11h 39m*	*7h 58m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		20:18	10:17	05:19	*39m*	05:58	*37m*	06:35	*34m*	07:09	*12h 18m*	19:28	*33m*	20:01	*37m*	20:39	*39m*	21:18	*11h 43m*	*8h 02m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:41	11:47	05:20	*39m*	06:00	*37m*	06:37	*34m*	07:11	*12h 14m*	19:25	*33m*	19:59	*36m*	20:36	*39m*	21:15	*11h 46m*	*8h 06m*				Sa, 21. Sep
So, 22. Sep	MESZ	—:— – —:—	–	Mond stört		21:11	13:16	05:22	*39m*	06:01	*37m*	06:38	*33m*	07:12	*12h 10m*	19:23	*33m*	19:57	*36m*	20:34	*38m*	21:13	*11h 50m*	*8h 10m*				So, 22. Sep
Mo, 23. Sep	MESZ	21:10 – 21:51	*40m*	AN_+ *bis* $M_↗$		21:51	14:37	05:24	*38m*	06:03	*36m*	06:40	*33m*	07:14	*12h 07m*	19:21	*33m*	19:55	*36m*	20:32	*38m*	21:10	*11h 54m*	*8h 15m*				Mo, 23. Sep
Di, 24. Sep	MESZ	21:08 – 22:45	*1h 37m*	AN_+ *bis* $M_↗$	◑	22:45	15:46	05:26	*38m*	06:04	*36m*	06:41	*33m*	07:15	*12h 03m*	19:19	*33m*	19:53	*36m*	20:29	*38m*	21:08	*11h 57m*	*8h 19m*				Di, 24. Sep
Mi, 25. Sep	MESZ	21:06 – 23:51	*2h 45m*	AN_+ *bis* $M_↗$		23:51	16:38	05:27	*38m*	06:06	*36m*	06:43	*33m*	07:17	*11h 59m*	19:17	*33m*	19:50	*36m*	20:27	*38m*	21:06	*12h 01m*	*8h 23m*				Mi, 25. Sep
Do, 26. Sep	MESZ	21:03 – 01:04*	*4h 00m*	AN_+ *bis* $M_↗$		—:—	17:16	05:29	*38m*	06:08	*36m*	06:44	*33m*	07:18	*11h 56m*	19:15	*33m*	19:48	*36m*	20:25	*38m*	21:03	*12h 05m*	*8h 27m*				Do, 26. Sep
Fr, 27. Sep	MESZ	21:01 – 02:18*	*5h 17m*	AN_+ *bis* $M_↗$		01:04	17:43	05:31	*38m*	06:09	*36m*	06:46	*33m*	07:20	*11h 52m*	19:12	*33m*	19:46	*36m*	20:23	*38m*	21:01	*12h 08m*	*8h 31m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:59 – 03:31*	*6h 32m*	AN_+ *bis* $M_↗$		02:18	18:02	05:32	*38m*	06:11	*36m*	06:47	*33m*	07:21	*11h 49m*	19:10	*33m*	19:44	*36m*	20:21	*38m*	20:59	*12h 12m*	*8h 35m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:56 – 04:42*	*7h 45m*	AN_+ *bis* $M_↗$		03:31	18:18	05:34	*38m*	06:12	*36m*	06:49	*33m*	07:23	*11h 45m*	19:08	*33m*	19:42	*36m*	20:18	*38m*	20:56	*12h 16m*	*8h 39m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:54 – 05:37*	*8h 43m*	AN_+ *bis* AN_-		04:42	18:30	05:36	*38m*	06:14	*36m*	06:50	*33m*	07:24	*11h 41m*	19:06	*33m*	19:40	*36m*	20:16	*37m*	20:54	*12h 19m*	*8h 43m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:52 – 05:39*	*8h 47m*	AN_+ *bis* AN_-		05:50	18:42	05:37	*37m*	06:15	*36m*	06:52	*33m*	07:26	*11h 38m*	19:04	*33m*	19:38	*36m*	20:14	*37m*	20:52	*12h 23m*	*8h 47m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:50 – 05:41*	*8h 50m*	AN_+ *bis* AN_-	●	06:57	18:53	05:39	*37m*	06:17	*36m*	06:53	*33m*	07:27	*11h 34m*	19:02	*33m*	19:35	*36m*	20:12	*37m*	20:50	*12h 26m*	*8h 50m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:47 – 05:42*	*8h 54m*	AN_+ *bis* AN_-		08:05	19:05	05:41	*37m*	06:18	*36m*	06:55	*33m*	07:29	*11h 30m*	19:00	*33m*	19:33	*36m*	20:10	*37m*	20:47	*12h 30m*	*8h 54m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:45 – 05:44*	*8h 58m*	AN_+ *bis* AN_-		09:13	19:18	05:42	*37m*	06:20	*36m*	06:56	*33m*	07:30	*11h 27m*	18:57	*33m*	19:31	*36m*	20:08	*37m*	20:45	*12h 34m*	*8h 58m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:43 – 05:45*	*9h 02m*	AN_+ *bis* AN_-		10:24	19:34	05:44	*37m*	06:21	*36m*	06:58	*33m*	07:32	*11h 23m*	18:55	*33m*	19:29	*36m*	20:05	*37m*	20:43	*12h 37m*	*9h 02m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:41 – 05:47*	*9h 06m*	AN_+ *bis* AN_-		11:36	19:55	05:45	*37m*	06:23	*36m*	06:59	*33m*	07:33	*11h 20m*	18:53	*33m*	19:27	*36m*	20:03	*37m*	20:41	*12h 41m*	*9h 06m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:39 – 05:48*	*9h 09m*	AN_+ *bis* AN_-		12:49	20:23	05:47	*37m*	06:24	*36m*	07:01	*33m*	07:35	*11h 16m*	18:51	*33m*	19:25	*36m*	20:01	*37m*	20:39	*12h 45m*	*9h 09m*				Mo, 7. Okt
Di, 8. Okt	MESZ	21:02 – 05:50*	*8h 47m*	$M_↘$ *bis* AN_-		13:58	21:02	05:48	*37m*	06:26	*36m*	07:02	*34m*	07:36	*11h 12m*	18:49	*33m*	19:23	*36m*	19:59	*37m*	20:37	*12h 48m*	*9h 13m*				Di, 8. Okt
Mi, 9. Okt	MESZ	21:56 – 05:52*	*7h 55m*	$M_↘$ *bis* AN_-		14:59	21:56	05:50	*37m*	06:27	*36m*	07:04	*34m*	07:38	*11h 09m*	18:47	*33m*	19:21	*36m*	19:57	*37m*	20:34	*12h 52m*	*9h 17m*				Mi, 9. Okt
Do, 10. Okt	MESZ	23:04 – 05:53*	*6h 49m*	$M_↘$ *bis* AN_-	◐	15:48	23:04	05:52	*37m*	06:29	*36m*	07:05	*34m*	07:39	*11h 05m*	18:45	*34m*	19:19	*36m*	19:55	*37m*	20:32	*12h 55m*	*9h 20m*				Do, 10. Okt
Fr, 11. Okt	MESZ	00:23* – 05:55*	*5h 31m*	$M_↘$ *bis* AN_-		16:25	—:—	05:53	*37m*	06:30	*36m*	07:07	*34m*	07:41	*11h 01m*	18:43	*34m*	19:17	*36m*	19:53	*37m*	20:30	*12h 59m*	*9h 24m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:48* – 05:56*	*4h 08m*	$M_↘$ *bis* AN_-		16:53	00:23	05:55	*37m*	06:32	*36m*	07:08	*34m*	07:42	*10h 58m*	18:41	*34m*	19:15	*36m*	19:51	*37m*	20:28	*13h 03m*	*9h 27m*				Sa, 12. Okt
So, 13. Okt	MESZ	03:15* – 05:58*	*2h 43m*	$M_↘$ *bis* AN_-		17:14	01:48	05:56	*37m*	06:33	*36m*	07:10	*34m*	07:44	*10h 54m*	18:39	*34m*	19:13	*36m*	19:49	*37m*	20:26	*13h 06m*	*9h 31m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:42* – 05:59*	*1h 17m*	$M_↘$ *bis* AN_-		17:32	03:15	05:58	*37m*	06:35	*36m*	07:11	*34m*	07:45	*10h 51m*	18:37	*34m*	19:11	*36m*	19:47	*37m*	20:24	*13h 10m*	*9h 35m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:47	04:42	05:59	*37m*	06:36	*36m*	07:13	*34m*	07:47	*10h 47m*	18:35	*34m*	19:09	*36m*	19:45	*37m*	20:22	*13h 13m*	*9h 38m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		18:03	06:10	06:01	*37m*	06:38	*36m*	07:14	*34m*	07:49	*10h 44m*	18:33	*34m*	19:07	*36m*	19:43	*36m*	20:20	*13h 17m*	*9h 41m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:20	07:40	06:02	*37m*	06:39	*36m*	07:16	*34m*	07:50	*10h 40m*	18:31	*34m*	19:05	*36m*	19:41	*36m*	20:18	*13h 20m*	*9h 45m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:41	09:12	06:04	*37m*	06:41	*36m*	07:17	*34m*	07:52	*10h 37m*	18:29	*34m*	19:03	*36m*	19:40	*36m*	20:17	*13h 24m*	*9h 48m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		19:07	10:44	06:05	*37m*	06:42	*36m*	07:19	*34m*	07:53	*10h 33m*	18:27	*34m*	19:01	*36m*	19:38	*36m*	20:15	*13h 28m*	*9h 52m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:44	12:13	06:07	*37m*	06:44	*36m*	07:20	*34m*	07:55	*10h 30m*	18:25	*34m*	19:00	*36m*	19:36	*36m*	20:13	*13h 31m*	*9h 55m*				So, 20. Okt
Mo, 21. Okt	MESZ	20:11 – 20:34	*22m*	AN_+ *bis* $M_↗$		20:34	13:31	06:08	*37m*	06:45	*36m*	07:22	*34m*	07:57	*10h 26m*	18:23	*34m*	18:58	*36m*	19:34	*36m*	20:11	*13h 35m*	*9h 58m*				Mo, 21. Okt
Di, 22. Okt	MESZ	20:09 – 21:37	*1h 28m*	AN_+ *bis* $M_↗$		21:37	14:32	06:10	*37m*	06:47	*36m*	07:23	*34m*	07:58	*10h 23m*	18:21	*34m*	18:56	*36m*	19:32	*36m*	20:09	*13h 38m*	*10h 01m*				Di, 22. Okt
Mi, 23. Okt	MESZ	20:08 – 22:50	*2h 42m*	AN_+ *bis* $M_↗$		22:50	15:16	06:11	*37m*	06:48	*36m*	07:25	*34m*	08:00	*10h 19m*	18:19	*34m*	18:54	*36m*	19:31	*36m*	20:08	*13h 41m*	*10h 05m*				Mi, 23. Okt
Do, 24. Okt	MESZ	20:06 – 00:06*	*3h 59m*	AN_+ *bis* $M_↗$	◑	—:—	15:47	06:13	*37m*	06:50	*36m*	07:26	*34m*	08:01	*10h 16m*	18:17	*34m*	18:52	*36m*	19:29	*36m*	20:06	*13h 45m*	*10h 08m*				Do, 24. Okt
Fr, 25. Okt	MESZ	20:04 – 01:20*	*5h 15m*	AN_+ *bis* $M_↗$		00:06	16:09	06:14	*37m*	06:51	*36m*	07:28	*35m*	08:03	*10h 12m*	18:16	*34m*	18:51	*36m*	19:27	*36m*	20:04	*13h 48m*	*10h 11m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	20:03 – 02:31*	*6h 28m*	AN_+ *bis* $M_↗$		01:20	16:25	06:16	*37m*	06:53	*36m*	07:29	*35m*	08:05	*10h 09m*	18:14	*35m*	18:49	*36m*	19:26	*36m*	20:03	*13h 52m*	*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		19:01 – 02:40*	*7h 39m*	AN$_+$ *bis* M↗		01:31	15:39	05:17	*37m*	05:54	*36m*	06:31	*35m*	07:06	*10h 05m*	17:12	*35m*	17:47	*36m*	18:24	*36m*	19:01	*13h 55m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:59 – 03:48*	*8h 48m*	AN$_+$ *bis* M↗		02:40	15:51	05:19	*37m*	05:56	*36m*	06:32	*35m*	07:08	*10h 02m*	17:10	*35m*	17:46	*36m*	18:22	*36m*	18:59	*13h 59m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:58 – 04:55*	*9h 57m*	AN$_+$ *bis* M↗		03:48	16:02	05:20	*37m*	05:57	*36m*	06:34	*35m*	07:09	*9h 59m*	17:09	*35m*	17:44	*36m*	18:21	*36m*	18:58	*14h 02m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:56 – 05:23*	*10h 26m*	AN$_+$ *bis* AN$_-$		04:55	16:13	05:22	*37m*	05:59	*36m*	06:36	*35m*	07:11	*9h 55m*	17:07	*35m*	17:42	*36m*	18:19	*37m*	18:56	*14h 05m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:55 – 05:24*	*10h 29m*	AN$_+$ *bis* AN$_-$		06:03	16:26	05:23	*37m*	06:00	*36m*	06:37	*35m*	07:13	*9h 52m*	17:05	*35m*	17:41	*36m*	18:18	*37m*	18:55	*14h 09m*	*10h 29m*				Do, 31. Okt
Fr, 1. Nov		18:53 – 05:26*	*10h 32m*	AN$_+$ *bis* AN$_-$	●	07:13	16:41	05:24	*37m*	06:02	*37m*	06:39	*35m*	07:14	*9h 49m*	17:03	*35m*	17:39	*37m*	18:16	*37m*	18:53	*14h 12m*	*10h 32m*				Fr, 1. Nov
Sa, 2. Nov		18:52 – 05:27*	*10h 35m*	AN$_+$ *bis* AN$_-$		08:25	17:01	05:26	*37m*	06:03	*37m*	06:40	*35m*	07:16	*9h 45m*	17:02	*35m*	17:38	*37m*	18:15	*37m*	18:52	*14h 15m*	*10h 35m*				Sa, 2. Nov
So, 3. Nov		18:50 – 05:29*	*10h 38m*	AN$_+$ *bis* AN$_-$		09:38	17:26	05:27	*37m*	06:04	*37m*	06:42	*35m*	07:18	*9h 42m*	17:00	*35m*	17:36	*37m*	18:13	*37m*	18:50	*14h 18m*	*10h 38m*				So, 3. Nov
Mo, 4. Nov		18:49 – 05:30*	*10h 41m*	AN$_+$ *bis* AN$_-$		10:49	18:02	05:29	*37m*	06:06	*37m*	06:43	*36m*	07:19	*9h 39m*	16:59	*35m*	17:35	*37m*	18:12	*37m*	18:49	*14h 22m*	*10h 41m*				Mo, 4. Nov
Di, 5. Nov		18:51 – 05:31*	*10h 40m*	M↘ *bis* AN$_-$		11:53	18:51	05:30	*37m*	06:07	*37m*	06:45	*36m*	07:21	*9h 36m*	16:57	*36m*	17:33	*37m*	18:10	*37m*	18:48	*14h 25m*	*10h 43m*				Di, 5. Nov
Mi, 6. Nov		19:54 – 05:33*	*9h 38m*	M↘ *bis* AN$_-$		12:46	19:54	05:31	*37m*	06:09	*37m*	06:46	*36m*	07:22	*9h 33m*	16:56	*36m*	17:32	*37m*	18:09	*37m*	18:46	*14h 28m*	*10h 46m*				Mi, 6. Nov
Do, 7. Nov		21:08 – 05:34*	*8h 26m*	M↘ *bis* AN$_-$		13:26	21:08	05:33	*37m*	06:10	*37m*	06:48	*36m*	07:24	*9h 29m*	16:54	*36m*	17:30	*37m*	18:08	*37m*	18:45	*14h 31m*	*10h 49m*				Do, 7. Nov
Fr, 8. Nov		22:29 – 05:36*	*7h 06m*	M↘ *bis* AN$_-$		13:55	22:29	05:34	*37m*	06:12	*37m*	06:49	*36m*	07:26	*9h 26m*	16:53	*36m*	17:29	*37m*	18:07	*37m*	18:44	*14h 34m*	*10h 51m*				Fr, 8. Nov
Sa, 9. Nov		23:52 – 05:37*	*5h 44m*	M↘ *bis* AN$_-$	◐	14:18	23:52	05:36	*37m*	06:13	*37m*	06:51	*36m*	07:27	*9h 23m*	16:51	*36m*	17:28	*37m*	18:05	*37m*	18:43	*14h 37m*	*10h 54m*				Sa, 9. Nov
So, 10. Nov		01:16* – 05:38*	*4h 22m*	M↘ *bis* AN$_-$		14:36	—:—	05:37	*37m*	06:14	*37m*	06:52	*36m*	07:29	*9h 20m*	16:50	*36m*	17:26	*37m*	18:04	*37m*	18:41	*14h 40m*	*10h 56m*				So, 10. Nov
Mo, 11. Nov		02:40* – 05:40*	*2h 59m*	M↘ *bis* AN$_-$		14:52	01:16	05:38	*37m*	06:16	*37m*	06:54	*36m*	07:31	*9h 17m*	16:48	*36m*	17:25	*37m*	18:03	*37m*	18:40	*14h 43m*	*10h 59m*				Mo, 11. Nov
Di, 12. Nov		04:06* – 05:41*	*1h 35m*	M↘ *bis* AN$_-$		15:07	02:40	05:40	*37m*	06:17	*37m*	06:55	*36m*	07:32	*9h 14m*	16:47	*36m*	17:24	*37m*	18:02	*37m*	18:39	*14h 46m*	*11h 01m*				Di, 12. Nov
Mi, 13. Nov		05:35* – 05:42*	*7m*	M↘ *bis* AN$_-$		15:22	04:06	05:41	*37m*	06:19	*37m*	06:57	*37m*	07:34	*9h 11m*	16:46	*37m*	17:23	*37m*	18:01	*37m*	18:38	*14h 49m*	*11h 04m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:41	05:35	05:42	*37m*	06:20	*38m*	06:58	*37m*	07:35	*9h 09m*	16:44	*37m*	17:22	*38m*	18:00	*37m*	18:37	*14h 52m*	*11h 06m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	16:04	07:06	05:44	*37m*	06:21	*38m*	07:00	*37m*	07:37	*9h 06m*	16:43	*37m*	17:20	*38m*	17:59	*37m*	18:36	*14h 55m*	*11h 08m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:35	08:38	05:45	*37m*	06:23	*38m*	07:01	*37m*	07:38	*9h 03m*	16:42	*37m*	17:19	*38m*	17:58	*37m*	18:35	*14h 58m*	*11h 11m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		17:19	10:03	05:46	*37m*	06:24	*38m*	07:02	*37m*	07:40	*9h 00m*	16:41	*37m*	17:18	*38m*	17:57	*37m*	18:34	*15h 00m*	*11h 13m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		18:18	11:15	05:48	*37m*	06:26	*38m*	07:04	*37m*	07:42	*8h 58m*	16:40	*37m*	17:17	*38m*	17:56	*37m*	18:34	*15h 03m*	*11h 15m*				Mo, 18. Nov
Di, 19. Nov		18:33 – 19:30	*57m*	AN$_+$ *bis* M↗		19:30	12:08	05:49	*37m*	06:27	*38m*	07:05	*37m*	07:43	*8h 55m*	16:39	*37m*	17:16	*38m*	17:55	*37m*	18:33	*15h 06m*	*11h 17m*				Di, 19. Nov
Mi, 20. Nov		18:32 – 20:47	*2h 15m*	AN$_+$ *bis* M↗		20:47	12:45	05:50	*37m*	06:28	*38m*	07:07	*37m*	07:45	*8h 52m*	16:38	*37m*	17:15	*38m*	17:54	*37m*	18:32	*15h 08m*	*11h 19m*				Mi, 20. Nov
Do, 21. Nov		18:31 – 22:04	*3h 32m*	AN$_+$ *bis* M↗		22:04	13:11	05:52	*37m*	06:30	*38m*	07:08	*38m*	07:46	*8h 50m*	16:37	*38m*	17:15	*38m*	17:53	*37m*	18:31	*15h 11m*	*11h 21m*				Do, 21. Nov
Fr, 22. Nov		18:30 – 23:18	*4h 47m*	AN$_+$ *bis* M↗		23:18	13:30	05:53	*38m*	06:31	*38m*	07:10	*38m*	07:48	*8h 47m*	16:36	*38m*	17:14	*38m*	17:52	*38m*	18:30	*15h 13m*	*11h 23m*				Fr, 22. Nov
Sa, 23. Nov		18:30 – 00:28*	*5h 58m*	AN$_+$ *bis* M↗	◑	—:—	13:45	05:54	*38m*	06:32	*38m*	07:11	*38m*	07:49	*8h 45m*	16:35	*38m*	17:13	*38m*	17:52	*38m*	18:30	*15h 15m*	*11h 25m*				Sa, 23. Nov
So, 24. Nov		18:29 – 01:36*	*7h 07m*	AN$_+$ *bis* M↗		00:28	13:58	05:55	*38m*	06:33	*38m*	07:12	*38m*	07:51	*8h 43m*	16:34	*38m*	17:12	*38m*	17:51	*38m*	18:29	*15h 18m*	*11h 27m*				So, 24. Nov
Mo, 25. Nov		18:29 – 02:44*	*8h 14m*	AN$_+$ *bis* M↗		01:36	14:09	05:56	*38m*	06:35	*38m*	07:14	*38m*	07:52	*8h 40m*	16:33	*38m*	17:12	*38m*	17:50	*38m*	18:29	*15h 20m*	*11h 28m*				Mo, 25. Nov
Di, 26. Nov		18:28 – 03:51*	*9h 22m*	AN$_+$ *bis* M↗		02:44	14:21	05:58	*38m*	06:36	*39m*	07:15	*38m*	07:53	*8h 38m*	16:32	*38m*	17:11	*39m*	17:50	*38m*	18:28	*15h 22m*	*11h 30m*				Di, 26. Nov
Mi, 27. Nov		18:28 – 05:00*	*10h 32m*	AN$_+$ *bis* M↗		03:51	14:33	05:59	*38m*	06:37	*39m*	07:16	*38m*	07:55	*8h 36m*	16:32	*38m*	17:10	*39m*	17:49	*38m*	18:28	*15h 24m*	*11h 32m*				Mi, 27. Nov
Do, 28. Nov		18:27 – 06:01*	*11h 33m*	AN$_+$ *bis* AN$_-$		05:00	14:47	06:00	*38m*	06:38	*39m*	07:17	*38m*	07:56	*8h 34m*	16:31	*38m*	17:10	*39m*	17:49	*38m*	18:27	*15h 26m*	*11h 33m*				Do, 28. Nov
Fr, 29. Nov		18:27 – 06:02*	*11h 35m*	AN$_+$ *bis* AN$_-$		06:12	15:05	06:01	*38m*	06:39	*39m*	07:19	*38m*	07:58	*8h 32m*	16:30	*38m*	17:09	*39m*	17:48	*38m*	18:27	*15h 28m*	*11h 35m*				Fr, 29. Nov
Sa, 30. Nov		18:26 – 06:03*	*11h 36m*	AN$_+$ *bis* AN$_-$		07:25	15:29	06:02	*38m*	06:41	*39m*	07:20	*39m*	07:59	*8h 30m*	16:30	*39m*	17:09	*39m*	17:48	*38m*	18:26	*15h 30m*	*11h 36m*				Sa, 30. Nov
So, 1. Dez		18:26 – 06:04*	*11h 38m*	AN$_+$ *bis* AN$_-$	●	08:38	16:02	06:03	*38m*	06:42	*39m*	07:21	*39m*	08:00	*8h 28m*	16:29	*39m*	17:08	*39m*	17:48	*38m*	18:26	*15h 32m*	*11h 38m*				So, 1. Dez
Mo, 2. Dez		18:26 – 06:05*	*11h 39m*	AN$_+$ *bis* AN$_-$		09:45	16:47	06:04	*38m*	06:43	*39m*	07:22	*39m*	08:02	*8h 27m*	16:29	*39m*	17:08	*39m*	17:47	*38m*	18:26	*15h 34m*	*11h 39m*				Mo, 2. Dez
Di, 3. Dez		18:26 – 06:06*	*11h 40m*	AN$_+$ *bis* AN$_-$		10:42	17:47	06:05	*38m*	06:44	*39m*	07:23	*39m*	08:03	*8h 25m*	16:28	*39m*	17:07	*39m*	17:47	*38m*	18:26	*15h 35m*	*11h 40m*				Di, 3. Dez
Mi, 4. Dez		18:59 – 06:07*	*11h 08m*	M↘ *bis* AN$_-$		11:26	18:59	06:06	*38m*	06:45	*39m*	07:25	*39m*	08:04	*8h 23m*	16:28	*39m*	17:07	*39m*	17:47	*38m*	18:25	*15h 37m*	*11h 42m*				Mi, 4. Dez
Do, 5. Dez		20:18 – 06:08*	*9h 50m*	M↘ *bis* AN$_-$		11:59	20:18	06:07	*38m*	06:46	*39m*	07:26	*39m*	08:05	*8h 22m*	16:27	*39m*	17:07	*39m*	17:47	*38m*	18:25	*15h 38m*	*11h 43m*				Do, 5. Dez
Fr, 6. Dez		21:40 – 06:09*	*8h 29m*	M↘ *bis* AN$_-$		12:23	21:40	06:08	*38m*	06:47	*39m*	07:27	*39m*	08:06	*8h 20m*	16:27	*39m*	17:07	*39m*	17:46	*38m*	18:25	*15h 40m*	*11h 44m*				Fr, 6. Dez
Sa, 7. Dez		23:02 – 06:10*	*7h 08m*	M↘ *bis* AN$_-$		12:42	23:02	06:09	*38m*	06:48	*39m*	07:28	*39m*	08:07	*8h 19m*	16:27	*39m*	17:07	*39m*	17:46	*38m*	18:25	*15h 41m*	*11h 45m*				Sa, 7. Dez
So, 8. Dez		00:23* – 06:11*	*5h 47m*	M↘ *bis* AN$_-$	◐	12:58	—:—	06:10	*38m*	06:49	*39m*	07:29	*39m*	08:09	*8h 18m*	16:27	*39m*	17:06	*39m*	17:46	*38m*	18:25	*15h 42m*	*11h 46m*				So, 8. Dez
Mo, 9. Dez		01:45* – 06:12*	*4h 26m*	M↘ *bis* AN$_-$		13:12	00:23	06:11	*38m*	06:50	*39m*	07:30	*39m*	08:10	*8h 16m*	16:27	*39m*	17:06	*39m*	17:46	*38m*	18:25	*15h 44m*	*11h 46m*				Mo, 9. Dez
Di, 10. Dez		03:09* – 06:13*	*3h 03m*	M↘ *bis* AN$_-$		13:27	01:45	06:12	*38m*	06:51	*39m*	07:31	*39m*	08:11	*8h 15m*	16:26	*39m*	17:06	*39m*	17:46	*38m*	18:25	*15h 45m*	*11h 47m*				Di, 10. Dez
Mi, 11. Dez		04:36* – 06:14*	*1h 37m*	M↘ *bis* AN$_-$		13:43	03:09	06:13	*38m*	06:52	*39m*	07:32	*39m*	08:12	*8h 14m*	16:26	*39m*	17:06	*39m*	17:46	*38m*	18:25	*15h 46m*	*11h 48m*				Mi, 11. Dez
Do, 12. Dez		06:05* – 06:14*	*9m*	M↘ *bis* AN$_-$		14:03	04:36	06:14	*38m*	06:53	*40m*	07:33	*39m*	08:13	*8h 13m*	16:26	*39m*	17:06	*40m*	17:46	*38m*	18:25	*15h 46m*	*11h 49m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:30	06:05	06:14	*38m*	06:53	*40m*	07:33	*40m*	08:13	*8h 13m*	16:27	*40m*	17:07	*40m*	17:47	*38m*	18:25	*15h 47m*	*11h 49m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		15:07	07:33	06:15	*38m*	06:54	*40m*	07:34	*40m*	08:14	*8h 12m*	16:27	*40m*	17:07	*40m*	17:47	*38m*	18:26	*15h 48m*	*11h 50m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	15:59	08:52	06:16	*38m*	06:55	*40m*	07:35	*40m*	08:15	*8h 11m*	16:27	*40m*	17:07	*40m*	17:47	*38m*	18:26	*15h 49m*	*11h 50m*				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		17:06	09:54	06:17	*38m*	06:56	*40m*	07:36	*40m*	08:16	*8h 11m*	16:27	*40m*	17:07	*40m*	17:47	*38m*	18:26	*15h 49m*	*11h 51m*				Mo, 16. Dez
Di, 17. Dez		—:——:—	–	Mond stört		18:22	10:39	06:17	*38m*	06:56	*40m*	07:36	*40m*	08:17	*8h 10m*	16:27	*40m*	17:07	*40m*	17:48	*38m*	18:27	*15h 49m*	*11h 51m*				Di, 17. Dez
Mi, 18. Dez		18:27 – 19:42	*1h 14m*	AN$_+$ *bis* M↗		19:42	11:11	06:18	*38m*	06:57	*40m*	07:37	*40m*	08:17	*8h 10m*	16:28	*40m*	17:08	*40m*	17:48	*38m*	18:27	*15h 50m*	*11h 51m*				Mi, 18. Dez
Do, 19. Dez		18:27 – 20:59	*2h 31m*	AN$_+$ *bis* M↗		20:59	11:33	06:18	*38m*	06:57	*40m*	07:38	*40m*	08:18	*8h 10m*	16:28	*40m*	17:08	*40m*	17:48	*38m*	18:27	*15h 50m*	*11h 51m*				Do, 19. Dez
Fr, 20. Dez		18:28 – 22:12	*3h 44m*	AN$_+$ *bis* M↗		22:12	11:50	06:19	*38m*	06:58	*40m*	07:38	*40m*	08:18	*8h 10m*	16:28	*40m*	17:09	*40m*	17:49	*38m*	18:28	*15h 50m*	*11h 51m*				Fr, 20. Dez
Sa, 21. Dez		18:28 – 23:22	*4h 53m*	AN$_+$ *bis* M↗		23:22	12:03	06:20	*38m*	06:59	*40m*	07:39	*40m*	08:19	*8h 10m*	16:29	*40m*	17:09	*40m*	17:49	*38m*	18:28	*15h 50m*	*11h 51m*				Sa, 21. Dez
So, 22. Dez		18:29 – 00:30*	*6h 00m*	AN$_+$ *bis* M↗	◑	—:—	12:15	06:20	*38m*	06:59	*40m*	07:39	*40m*	08:19	*8h 10m*	16:29	*40m*	17:10	*40m*	17:50	*38m*	18:29	*15h 50m*	*11h 51m*				So, 22. Dez
Mo, 23. Dez		18:29 – 01:37*	*7h 07m*	AN$_+$ *bis* M↗		00:30	12:27	06:20	*38m*	06:59	*40m*	07:40	*40m*	08:20	*8h 10m*	16:30	*40m*	17:10	*40m*	17:50	*38m*	18:29	*15h 50m*	*11h 51m*				Mo, 23. Dez
Di, 24. Dez		18:30 – 02:46*	*8h 15m*	AN$_+$ *bis* M↗		01:37	12:39	06:21	*38m*	07:00	*40m*	07:40	*40m*	08:20	*8h 10m*	16:31	*40m*	17:11	*40m*	17:51	*38m*	18:30	*15h 49m*	*11h 51m*				Di, 24. Dez
Mi, 25. Dez		18:31 – 03:56*	*9h 25m*	AN$_+$ *bis* M↗		02:46	12:52	06:21	*38m*	07:00	*40m*	07:40	*40m*	08:21	*8h 10m*	16:31	*40m*	17:12	*40m*	17:52	*38m*	18:31	*15h 49m*	*11h 50m*				Mi, 25. Dez
Do, 26. Dez		18:31 – 05:08*	*10h 37m*	AN$_+$ *bis* M↗		03:56	13:09	06:22	*38m*	07:01	*40m*	07:41	*40m*	08:21	*8h 11m*	16:32	*40m*	17:12	*40m*	17:52	*38m*	18:31	*15h 48m*	*11h 50m*				Do, 26. Dez
Fr, 27. Dez		18:32 – 06:22*	*11h 49m*	AN$_+$ *bis* M↗		05:08	13:30	06:22	*38m*	07:01	*40m*	07:41	*40m*	08:21	*8h 11m*	16:33	*40m*	17:13	*40m*	17:53	*38m*	18:32	*15h 48m*	*11h 50m*				Fr, 27. Dez
Sa, 28. Dez		18:33 – 06:22*	*11h 49m*	AN$_+$ *bis* AN$_-$		06:22	13:59	06:22	*38m*	07:01	*40m*	07:41	*40m*	08:21	*8h 12m*	16:34	*40m*	17:14	*40m*	17:54	*38m*	18:33	*15h 47m*	*11h 49m*				Sa, 28. Dez
So, 29. Dez		18:34 – 06:23*	*11h 49m*	AN$_+$ *bis* AN$_-$		07:32	14:40	06:22	*38m*	07:01	*40m*	07:41	*40m*	08:21	*8h 13m*	16:35	*40m*	17:15	*40m*	17:55	*38m*	18:34	*15h 46m*	*11h 49m*				So, 29. Dez
Mo, 30. Dez		18:34 – 06:23*	*11h 48m*	AN$_+$ *bis* AN$_-$	●	08:34	15:35	06:23	*38m*	07:01	*40m*	07:41	*39m*	08:21	*8h 14m*	16:35	*39m*	17:15	*40m*	17:55	*38m*	18:34	*15h 45m*	*11h 48m*				Mo, 30. Dez
Di, 31. Dez		18:35 – 06:23*	*11h 47m*	AN$_+$ *bis* AN$_-$		09:23	16:45	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 15m*	16:36	*39m*	17:16	*39m*	17:56	*38m*	18:35	*15h 44m*	*11h 47m*				Di, 31. Dez
Mi, 1. Jan		18:36 – 06:23*	*11h 46m*	AN$_+$ *bis* AN$_-$		10:00	18:04	06:23	*38m*	07:02	*39m*	07:42	*39m*	08:21	*8h 16m*	16:37	*39m*	17:17	*39m*	17:57	*38m*	18:36	*15h 43m*	*11h 46m*				Mi, 1. Jan
Do, 2. Jan		19:27 – 06:23*	*10h 55m*	M↘ *bis* AN$_-$		10:27	19:27	06:23	*38m*	07:02	*39m*	07:42	*39m*	08:21	*8h 17m*	16:38	*39m*	17:18	*39m*	17:58	*38m*	18:37	*15h 42m*	*11h 45m*				Do, 2. Jan
Fr, 3. Jan		20:51 – 06:23*	*9h 32m*	M↘ *bis* AN$_-$		10:47	20:51	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 18m*	16:40	*39m*	17:19	*39m*	17:59	*38m*	18:38	*15h 41m*	*11h 45m*				Fr, 3. Jan
Sa, 4. Jan		22:13 – 06:23*	*8h 10m*	M↘ *bis* AN$_-$		11:04	22:13	06:23	*38m*	07:02	*39m*	07:41	*39m*	08:21	*8h 19m*	16:41	*39m*	17:20	*39m*	18:00	*38m*	18:39	*15h 40m*	*11h 43m*				Sa, 4. Jan
So, 5. Jan		23:34 – 06:23*	*6h 48m*	M↘ *bis* AN$_-$		11:19	23:34	06:23	*38m*	07:01	*39m*	07:41	*39m*	08:21	*8h 21m*	16:42	*39m*	17:21	*39m*	18:01	*38m*	18:40	*15h 38m*	*11h 42m*				So, 5. Jan
Mo, 6. Jan		00:56* – 06:23*	*5h 26m*	M↘ *bis* AN$_-$		11:33	—:—	06:23	*38m*	07:01	*39m*	07:41	*39m*	08:20	*8h 22m*	16:43	*39m*	17:22	*39m*	18:02	*38m*	18:41	*15h 37m*	*11h 41m*				Mo, 6. Jan
Di, 7. Jan		02:20* – 06:22*	*4h 02m*	M↘ *bis* AN$_-$	◐	11:49	00:56	06:23	*38m*	07:01	*39m*	07:41	*39m*	08:20	*8h 24m*	16:44	*39m*	17:24	*39m*	18:03	*38m*	18:42	*15h 35m*	*11h 40m*				Di, 7. Jan
Mi, 8. Jan		03:45* – 06:22*	*2h 36m*	M↘ *bis* AN$_-$		12:07	02:20	06:22	*38m*	07:01	*39m*	07:40	*39m*	08:20	*8h 25m*	16:45	*39m*	17:25	*39m*	18:04	*38m*	18:43	*15h 33m*	*11h 39m*				Mi, 8. Jan
Do, 9. Jan		05:11* – 06:22*	*1h 10m*	M↘ *bis* AN$_-$		12:30	03:45	06:22	*38m*	07:01	*39m*	07:40	*39m*	08:19	*8h 27m*	16:47	*39m*	17:26	*39m*	18:05	*38m*	18:44	*15h 32m*	*11h 37m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		13:01	05:11	06:22	*38m*	07:00	*39m*	07:40	*39m*	08:19	*8h 29m*	16:48	*39m*	17:27	*39m*	18:07	*38m*	18:45	*15h 30m*	*11h 36m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:46	06:32	06:22	*38m*	07:00	*39m*	07:39	*39m*	08:18	*8h 31m*	16:49	*39m*	17:28	*39m*	18:08	*38m*	18:46	*15h 28m*	*11h 35m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:45	07:40	06:21	*38m*	07:00	*39m*	07:39	*38m*	08:18	*8h 33m*	16:51	*38m*	17:30	*39m*	18:09	*38m*	18:47	*15h 26m*	*11h 33m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	15:58	08:32	06:21	*38m*	06:59	*39m*	07:38	*38m*	08:17	*8h 35m*	16:52	*38m*	17:31	*39m*	18:10	*38m*	18:48	*15h 24m*	*11h 31m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		17:17	09:08	06:20	*38m*	06:59	*39m*	07:38	*38m*	08:16	*8h 37m*	16:54	*38m*	17:32	*39m*	18:11	*38m*	18:50	*15h 22m*	*11h 30m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:36	09:34	06:20	*38m*	06:58	*39m*	07:37	*38m*	08:16	*8h 39m*	16:55	*38m*	17:34	*39m*	18:13	*38m*	18:51	*15h 19m*	*11h 28m*				Mi, 15. Jan
Do, 16. Jan		18:52 – 19:52	*59m*	AN$_+$ *bis* M↗		19:52	09:53	06:19	*38m*	06:57	*38m*	07:36	*38m*	08:15	*8h 41m*	16:56	*38m*	17:35	*38m*	18:14	*38m*	18:52	*15h 17m*	*11h 26m*				Do, 16. Jan
Fr, 17. Jan		18:53 – 21:04	*2h 10m*	AN$_+$ *bis* M↗		21:04	10:08	06:19	*38m*	06:57	*38m*	07:36	*38m*	08:14	*8h 43m*	16:58	*38m*	17:36	*38m*	18:15	*38m*	18:53	*15h 15m*	*11h 24m*				Fr, 17. Jan
Sa, 18. Jan		18:55 – 22:14	*3h 19m*	AN$_+$ *bis* M↗		22:14	10:21	06:18	*38m*	06:56	*38m*	07:35	*38m*	08:13	*8h 46m*	16:59	*38m*	17:38	*38m*	18:16	*38m*	18:55	*15h 12m*	*11h 22m*				Sa, 18. Jan
So, 19. Jan		18:56 – 23:22	*4h 26m*	AN$_+$ *bis* M↗		23:22	10:33	06:18	*38m*	06:56	*38m*	07:34	*38m*	08:12	*8h 48m*	17:01	*38m*	17:39	*38m*	18:18	*38m*	18:56	*15h 10m*	*11h 21m*				So, 19. Jan
Mo, 20. Jan		18:57 – 00:30*	*5h 32m*	AN$_+$ *bis* M↗		—:—	10:44	06:17	*37m*	06:55	*38m*	07:33	*37m*	08:11	*8h 51m*	17:03	*37m*	17:41	*38m*	18:19	*37m*	18:57	*15h 07m*	*11h 19m*				Mo, 20. Jan
Di, 21. Jan		18:58 – 01:39*	*6h 40m*	AN$_+$ *bis* M↗	◑	00:30	10:57	06:16	*37m*	06:54	*38m*	07:33	*37m*	08:10	*8h 53m*	17:04	*37m*	17:42	*38m*	18:20	*37m*	18:58	*15h 05m*	*11h 16m*				Di, 21. Jan
Mi, 22. Jan		19:00 – 02:50*	*7h 50m*	AN$_+$ *bis* M↗		01:39	11:12	06:15	*37m*	06:53	*38m*	07:32	*37m*	08:09	*8h 56m*	17:06	*37m*	17:43	*38m*	18:22	*37m*	19:00	*15h 02m*	*11h 14m*				Mi, 22. Jan
Do, 23. Jan		19:01 – 04:03*	*9h 01m*	AN$_+$ *bis* M↗		02:50	11:31	06:15	*37m*	06:52	*38m*	07:31	*37m*	08:08	*8h 58m*	17:07	*37m*	17:45	*38m*	18:23	*37m*	19:01	*14h 59m*	*11h 12m*				Do, 23. Jan
Fr, 24. Jan		19:02 – 05:15*	*10h 12m*	AN$_+$ *bis* M↗		04:03	11:56	06:14	*37m*	06:51	*38m*	07:30	*37m*	08:07	*9h 01m*	17:09	*37m*	17:46	*38m*	18:25	*37m*	19:02	*14h 57m*	*11h 10m*				Fr, 24. Jan
Sa, 25. Jan		19:04 – 06:12*	*11h 08m*	AN$_+$ *bis* AN$_-$		05:15	12:31	06:13	*37m*	06:50	*38m*	07:29	*37m*	08:06	*9h 04m*	17:10	*37m*	17:48	*38m*	18:26	*37m*	19:04	*14h 54m*	*11h 08m*				Sa, 25. Jan
So, 26. Jan		19:05 – 06:11*	*11h 05m*	AN$_+$ *bis* AN$_-$		06:20	13:19	06:12	*37m*	06:50	*38m*	07:28	*37m*	08:05	*9h 07m*	17:12	*37m*	17:49	*38m*	18:27	*37m*	19:05	*14h 51m*	*11h 05m*				So, 26. Jan
Mo, 27. Jan		19:07 – 06:10*	*11h 03m*	AN$_+$ *bis* AN$_-$		07:15	14:23	06:11	*37m*	06:49	*37m*	07:27	*37m*	08:04	*9h 10m*	17:14	*37m*	17:51	*38m*	18:29	*37m*	19:07	*14h 48m*	*11h 03m*				Mo, 27. Jan
Di, 28. Jan		19:08 – 06:09*	*11h 00m*	AN$_+$ *bis* AN$_-$		07:57	15:41	06:10	*37m*	06:47	*37m*	07:25	*36m*	08:02	*9h 13m*	17:15	*37m*	17:52	*37m*	18:30	*37m*	19:08	*14h 45m*	*11h 00m*				Di, 28. Jan
Mi, 29. Jan		19:09 – 06:08*	*10h 58m*	AN$_+$ *bis* AN$_-$	●	08:28	17:05	06:09	*37m*	06:46	*37m*	07:24	*36m*	08:01	*9h 15m*	17:17	*36m*	17:54	*37m*	18:32	*37m*	19:09	*14h 42m*	*10h 58m*				Mi, 29. Jan
Do, 30. Jan		19:11 – 06:07*	*10h 55m*	AN$_+$ *bis* AN$_-$		08:51	18:31	06:08	*37m*	06:45	*37m*	07:23	*36m*	08:00	*9h 18m*	17:19	*36m*	17:55	*37m*	18:33	*37m*	19:11	*14h 39m*	*10h 55m*				Do, 30. Jan
Fr, 31. Jan		19:56 – 06:06*	*10h 09m*	M↘ *bis* AN$_-$		09:10	19:56	06:07	*37m*	06:44	*37m*	07:22	*36m*	07:58	*9h 22m*	17:20	*36m*	17:57	*37m*	18:35	*37m*	19:12	*14h 36m*	*10h 53m*				Fr, 31. Jan
Sa, 1. Feb		21:20 – 06:04*	*8h 44m*	M↘ *bis* AN$_-$		09:25	21:20	06:06	*37m*	06:43	*37m*	07:20	*36m*	07:57	*9h 25m*	17:22	*36m*	17:59	*37m*	18:36	*37m*	19:14	*14h 33m*	*10h 50m*				Sa, 1. Feb
So, 2. Feb		22:43 – 06:03*	*7h 19m*	M↘ *bis* AN$_-$		09:40	22:43	06:04	*37m*	06:42	*37m*	07:19	*36m*	07:56	*9h 28m*	17:24	*36m*	18:00	*37m*	18:38	*37m*	19:15	*14h 30m*	*10h 48m*				So, 2. Feb
Mo, 3. Feb		00:08* – 06:02*	*5h 54m*	M↘ *bis* AN$_-$		09:55	—:—	06:03	*37m*	06:40	*37m*	07:18	*36m*	07:54	*9h 31m*	17:25	*36m*	18:02	*37m*	18:39	*37m*	19:17	*14h 27m*	*10h 45m*				Mo, 3. Feb