Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Homberg (Efze) 51.0339° N 9.4056° 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		18:29 – 22:13	*3h 43m*	AN_+ *bis* $M_↑$		22:13	11:27	06:21	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 00m*	16:26	*41m*	17:07	*41m*	17:49	*40m*	18:29	*15h 58m*	*11h 52m*				Mo, 1. Jan
Di, 2. Jan		18:30 – 23:22	*4h 51m*	AN_+ *bis* $M_↑$		23:22	11:38	06:22	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 02m*	16:27	*41m*	17:08	*41m*	17:50	*40m*	18:30	*15h 57m*	*11h 51m*				Di, 2. Jan
Mi, 3. Jan		18:31 – 00:31*	*5h 59m*	AN_+ *bis* $M_↑$		—:—	11:48	06:22	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 03m*	16:28	*41m*	17:09	*41m*	17:51	*40m*	18:31	*15h 56m*	*11h 50m*				Mi, 3. Jan
Do, 4. Jan		18:32 – 01:42*	*7h 09m*	AN_+ *bis* $M_↑$	◑	00:31	11:59	06:22	*40m*	07:02	*41m*	07:43	*41m*	08:24	*8h 04m*	16:29	*41m*	17:11	*41m*	17:52	*40m*	18:32	*15h 55m*	*11h 49m*				Do, 4. Jan
Fr, 5. Jan		18:33 – 02:56*	*8h 23m*	AN_+ *bis* $M_↑$		01:42	12:11	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:24	*8h 06m*	16:30	*41m*	17:12	*41m*	17:53	*40m*	18:33	*15h 53m*	*11h 48m*				Fr, 5. Jan
Sa, 6. Jan		18:34 – 04:14*	*9h 40m*	AN_+ *bis* $M_↑$		02:56	12:25	06:21	*39m*	07:01	*41m*	07:43	*41m*	08:24	*8h 07m*	16:31	*41m*	17:13	*41m*	17:54	*39m*	18:34	*15h 52m*	*11h 47m*				Sa, 6. Jan
So, 7. Jan		18:35 – 05:36*	*11h 00m*	AN_+ *bis* $M_↑$		04:14	12:44	06:21	*39m*	07:01	*41m*	07:42	*41m*	08:23	*8h 09m*	16:33	*41m*	17:14	*41m*	17:55	*39m*	18:35	*15h 50m*	*11h 46m*				So, 7. Jan
Mo, 8. Jan		18:36 – 06:21*	*11h 44m*	AN_+ *bis* AN_-		05:36	13:11	06:21	*39m*	07:01	*41m*	07:42	*41m*	08:23	*8h 10m*	16:34	*41m*	17:15	*41m*	17:56	*39m*	18:36	*15h 48m*	*11h 44m*				Mo, 8. Jan
Di, 9. Jan		18:37 – 06:20*	*11h 43m*	AN_+ *bis* AN_-		06:56	13:52	06:21	*39m*	07:01	*40m*	07:42	*41m*	08:23	*8h 12m*	16:35	*41m*	17:16	*41m*	17:57	*39m*	18:37	*15h 46m*	*11h 43m*				Di, 9. Jan
Mi, 10. Jan		18:38 – 06:20*	*11h 41m*	AN_+ *bis* AN_-		08:06	14:50	06:20	*39m*	07:00	*40m*	07:41	*40m*	08:22	*8h 14m*	16:37	*40m*	17:18	*40m*	17:58	*39m*	18:38	*15h 44m*	*11h 41m*				Mi, 10. Jan
Do, 11. Jan		18:39 – 06:20*	*11h 40m*	AN_+ *bis* AN_-	●	09:01	16:08	06:20	*39m*	07:00	*40m*	07:41	*40m*	08:22	*8h 16m*	16:38	*40m*	17:19	*40m*	18:00	*39m*	18:39	*15h 42m*	*11h 40m*				Do, 11. Jan
Fr, 12. Jan		18:41 – 06:19*	*11h 38m*	AN_+ *bis* AN_-		09:40	17:38	06:20	*39m*	06:59	*40m*	07:40	*40m*	08:21	*8h 18m*	16:39	*40m*	17:20	*40m*	18:01	*39m*	18:41	*15h 40m*	*11h 38m*				Fr, 12. Jan
Sa, 13. Jan		19:11 – 06:19*	*11h 07m*	$M_↘$ *bis* AN_-		10:07	19:11	06:19	*39m*	06:59	*40m*	07:40	*40m*	08:20	*8h 20m*	16:41	*40m*	17:21	*40m*	18:02	*39m*	18:42	*15h 38m*	*11h 37m*				Sa, 13. Jan
So, 14. Jan		20:42 – 06:18*	*9h 35m*	$M_↘$ *bis* AN_-		10:26	20:42	06:19	*39m*	06:59	*40m*	07:39	*40m*	08:20	*8h 22m*	16:42	*40m*	17:23	*40m*	18:03	*39m*	18:43	*15h 36m*	*11h 35m*				So, 14. Jan
Mo, 15. Jan		22:10 – 06:18*	*8h 07m*	$M_↘$ *bis* AN_-		10:42	22:10	06:18	*39m*	06:58	*40m*	07:38	*40m*	08:19	*8h 25m*	16:44	*40m*	17:24	*40m*	18:05	*39m*	18:44	*15h 34m*	*11h 33m*				Mo, 15. Jan
Di, 16. Jan		23:35 – 06:17*	*6h 42m*	$M_↘$ *bis* AN_-		10:55	23:35	06:18	*39m*	06:57	*40m*	07:38	*40m*	08:18	*8h 27m*	16:45	*40m*	17:26	*40m*	18:06	*39m*	18:45	*15h 31m*	*11h 31m*				Di, 16. Jan
Mi, 17. Jan		00:58* – 06:17*	*5h 18m*	$M_↘$ *bis* AN_-		11:08	—:—	06:17	*39m*	06:57	*40m*	07:37	*40m*	08:17	*8h 29m*	16:47	*40m*	17:27	*40m*	18:07	*39m*	18:47	*15h 29m*	*11h 29m*				Mi, 17. Jan
Do, 18. Jan		02:22* – 06:16*	*3h 54m*	$M_↘$ *bis* AN_-	◐	11:22	00:58	06:17	*39m*	06:56	*40m*	07:36	*39m*	08:16	*8h 32m*	16:48	*39m*	17:28	*40m*	18:09	*39m*	18:48	*15h 26m*	*11h 27m*				Do, 18. Jan
Fr, 19. Jan		03:45* – 06:15*	*2h 30m*	$M_↘$ *bis* AN_-		11:39	02:22	06:16	*39m*	06:55	*40m*	07:35	*39m*	08:15	*8h 34m*	16:50	*39m*	17:30	*40m*	18:10	*39m*	18:49	*15h 24m*	*11h 25m*				Fr, 19. Jan
Sa, 20. Jan		05:05* – 06:15*	*1h 09m*	$M_↘$ *bis* AN_-		12:01	03:45	06:15	*39m*	06:55	*40m*	07:35	*39m*	08:14	*8h 37m*	16:52	*39m*	17:31	*40m*	18:11	*39m*	18:51	*15h 21m*	*11h 23m*				Sa, 20. Jan
So, 21. Jan		—:— – —:—	–	Mond stört		12:30	05:05	06:15	*39m*	06:54	*39m*	07:34	*39m*	08:13	*8h 40m*	16:53	*39m*	17:33	*39m*	18:13	*39m*	18:52	*15h 18m*	*11h 21m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:10	06:18	06:14	*39m*	06:53	*39m*	07:33	*39m*	08:12	*8h 42m*	16:55	*39m*	17:34	*39m*	18:14	*39m*	18:53	*15h 16m*	*11h 19m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:04	07:19	06:13	*39m*	06:52	*39m*	07:32	*39m*	08:11	*8h 45m*	16:57	*39m*	17:36	*39m*	18:16	*39m*	18:55	*15h 13m*	*11h 17m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:09	08:06	06:12	*39m*	06:51	*39m*	07:31	*39m*	08:10	*8h 48m*	16:58	*39m*	17:37	*39m*	18:17	*39m*	18:56	*15h 10m*	*11h 14m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:21	08:39	06:11	*38m*	06:50	*39m*	07:30	*38m*	08:09	*8h 51m*	17:00	*38m*	17:39	*39m*	18:19	*39m*	18:58	*15h 07m*	*11h 12m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:35	09:02	06:10	*38m*	06:49	*39m*	07:29	*38m*	08:07	*8h 54m*	17:02	*38m*	17:41	*39m*	18:20	*38m*	18:59	*15h 04m*	*11h 10m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:49	09:20	06:09	*38m*	06:48	*39m*	07:27	*38m*	08:06	*8h 57m*	17:03	*38m*	17:42	*39m*	18:22	*38m*	19:00	*15h 01m*	*11h 07m*				Sa, 27. Jan
So, 28. Jan		19:02 – 19:59	*57m*	AN_+ *bis* $M_↑$		19:59	09:34	06:08	*38m*	06:47	*39m*	07:26	*38m*	08:05	*9h 00m*	17:05	*38m*	17:44	*39m*	18:23	*38m*	19:02	*14h 58m*	*11h 05m*				So, 28. Jan
Mo, 29. Jan		19:03 – 21:09	*2h 05m*	AN_+ *bis* $M_↑$		21:09	09:45	06:07	*38m*	06:46	*39m*	07:25	*38m*	08:03	*9h 03m*	17:07	*38m*	17:45	*39m*	18:25	*38m*	19:03	*14h 55m*	*11h 02m*				Mo, 29. Jan
Di, 30. Jan		19:05 – 22:17	*3h 12m*	AN_+ *bis* $M_↑$		22:17	09:55	06:06	*38m*	06:45	*39m*	07:24	*38m*	08:02	*9h 06m*	17:09	*38m*	17:47	*39m*	18:26	*38m*	19:05	*14h 51m*	*10h 59m*				Di, 30. Jan
Mi, 31. Jan		19:06 – 23:27	*4h 20m*	AN_+ *bis* $M_↑$		23:27	10:05	06:05	*38m*	06:43	*39m*	07:22	*38m*	08:01	*9h 09m*	17:10	*38m*	17:49	*39m*	18:28	*38m*	19:06	*14h 48m*	*10h 57m*				Mi, 31. Jan
Do, 1. Feb		19:08 – 00:38*	*5h 30m*	AN_+ *bis* $M_↑$		—:—	10:16	06:04	*38m*	06:42	*38m*	07:21	*37m*	07:59	*9h 13m*	17:12	*38m*	17:50	*38m*	18:29	*38m*	19:08	*14h 45m*	*10h 54m*				Do, 1. Feb
Fr, 2. Feb		19:09 – 01:53*	*6h 43m*	AN_+ *bis* $M_↑$		00:38	10:29	06:02	*38m*	06:41	*38m*	07:20	*37m*	07:58	*9h 16m*	17:14	*37m*	17:52	*38m*	18:31	*38m*	19:09	*14h 42m*	*10h 51m*				Fr, 2. Feb
Sa, 3. Feb		19:11 – 03:11*	*8h 00m*	AN_+ *bis* $M_↑$	◑	01:53	10:45	06:01	*38m*	06:40	*38m*	07:18	*37m*	07:56	*9h 19m*	17:16	*37m*	17:54	*38m*	18:32	*38m*	19:11	*14h 38m*	*10h 48m*				Sa, 3. Feb
So, 4. Feb		19:12 – 04:31*	*9h 18m*	AN_+ *bis* $M_↑$		03:11	11:08	06:00	*38m*	06:38	*38m*	07:17	*37m*	07:54	*9h 23m*	17:18	*37m*	17:55	*38m*	18:34	*38m*	19:12	*14h 35m*	*10h 45m*				So, 4. Feb
Mo, 5. Feb		19:14 – 05:45*	*10h 31m*	AN_+ *bis* $M_↑$		04:31	11:40	05:58	*38m*	06:37	*38m*	07:15	*37m*	07:53	*9h 26m*	17:19	*37m*	17:57	*38m*	18:36	*38m*	19:14	*14h 31m*	*10h 43m*				Mo, 5. Feb
Di, 6. Feb		19:16 – 05:56*	*10h 40m*	AN_+ *bis* AN_-		05:45	12:28	05:57	*38m*	06:35	*38m*	07:14	*37m*	07:51	*9h 29m*	17:21	*37m*	17:59	*38m*	18:37	*38m*	19:16	*14h 28m*	*10h 40m*				Di, 6. Feb
Mi, 7. Feb		19:17 – 05:54*	*10h 37m*	AN_+ *bis* AN_-		06:47	13:36	05:56	*38m*	06:34	*38m*	07:12	*37m*	07:50	*9h 33m*	17:23	*37m*	18:00	*38m*	18:39	*38m*	19:17	*14h 24m*	*10h 37m*				Mi, 7. Feb
Do, 8. Feb		19:19 – 05:53*	*10h 33m*	AN_+ *bis* AN_-		07:33	15:01	05:54	*38m*	06:32	*38m*	07:11	*37m*	07:48	*9h 36m*	17:25	*37m*	18:02	*38m*	18:40	*38m*	19:19	*14h 21m*	*10h 33m*				Do, 8. Feb
Fr, 9. Feb		19:20 – 05:51*	*10h 30m*	AN_+ *bis* AN_-	●	08:05	16:35	05:53	*38m*	06:31	*38m*	07:09	*36m*	07:46	*9h 40m*	17:27	*37m*	18:04	*38m*	18:42	*38m*	19:20	*14h 17m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:22 – 05:50*	*10h 27m*	AN_+ *bis* AN_-		08:28	18:10	05:51	*38m*	06:29	*38m*	07:08	*36m*	07:44	*9h 43m*	17:28	*36m*	18:05	*38m*	18:44	*38m*	19:22	*14h 14m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:42 – 05:48*	*10h 05m*	$M_↘$ *bis* AN_-		08:46	19:42	05:50	*38m*	06:28	*38m*	07:06	*36m*	07:43	*9h 47m*	17:30	*36m*	18:07	*38m*	18:45	*38m*	19:23	*14h 10m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		21:12 – 05:46*	*8h 34m*	$M_↘$ *bis* AN_-		09:00	21:12	05:48	*38m*	06:26	*38m*	07:04	*36m*	07:41	*9h 51m*	17:32	*36m*	18:09	*38m*	18:47	*38m*	19:25	*14h 07m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:39 – 05:45*	*7h 05m*	$M_↘$ *bis* AN_-		09:14	22:39	05:46	*38m*	06:25	*38m*	07:03	*36m*	07:39	*9h 54m*	17:34	*36m*	18:10	*38m*	18:48	*38m*	19:27	*14h 03m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		00:06* – 05:43*	*5h 37m*	$M_↘$ *bis* AN_-		09:28	—:—	05:45	*38m*	06:23	*37m*	07:01	*36m*	07:37	*9h 58m*	17:36	*36m*	18:12	*38m*	18:50	*38m*	19:28	*13h 59m*	*10h 14m*				Mi, 14. Feb
Do, 15. Feb		01:32* – 05:41*	*4h 09m*	$M_↘$ *bis* AN_-		09:44	00:06	05:43	*38m*	06:21	*37m*	06:59	*36m*	07:35	*10h 01m*	17:37	*36m*	18:14	*37m*	18:52	*38m*	19:30	*13h 56m*	*10h 11m*				Do, 15. Feb
Fr, 16. Feb		02:55* – 05:40*	*2h 44m*	$M_↘$ *bis* AN_-	◐	10:04	01:32	05:41	*38m*	06:19	*37m*	06:57	*36m*	07:34	*10h 05m*	17:39	*36m*	18:15	*37m*	18:53	*38m*	19:32	*13h 52m*	*10h 08m*				Fr, 16. Feb
Sa, 17. Feb		04:11* – 05:38*	*1h 26m*	$M_↘$ *bis* AN_-		10:31	02:55	05:40	*38m*	06:18	*37m*	06:55	*36m*	07:32	*10h 09m*	17:41	*36m*	18:17	*37m*	18:55	*38m*	19:33	*13h 48m*	*10h 04m*				Sa, 17. Feb
So, 18. Feb		05:16* – 05:36*	*19m*	$M_↘$ *bis* AN_-		11:08	04:11	05:38	*38m*	06:16	*37m*	06:54	*36m*	07:30	*10h 13m*	17:43	*36m*	18:19	*37m*	18:57	*38m*	19:35	*13h 45m*	*10h 01m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		11:57	05:16	05:36	*38m*	06:14	*37m*	06:52	*35m*	07:28	*10h 16m*	17:44	*35m*	18:20	*37m*	18:58	*38m*	19:36	*13h 41m*	*9h 57m*				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		12:59	06:06	05:34	*38m*	06:12	*37m*	06:50	*35m*	07:26	*10h 20m*	17:46	*35m*	18:22	*37m*	19:00	*38m*	19:38	*13h 37m*	*9h 54m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		14:09	06:43	05:32	*38m*	06:10	*37m*	06:48	*35m*	07:24	*10h 24m*	17:48	*35m*	18:24	*37m*	19:02	*38m*	19:40	*13h 33m*	*9h 50m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:23	07:08	05:30	*38m*	06:09	*37m*	06:46	*35m*	07:22	*10h 27m*	17:50	*35m*	18:26	*37m*	19:03	*38m*	19:41	*13h 29m*	*9h 46m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:36	07:27	05:28	*38m*	06:07	*37m*	06:44	*35m*	07:20	*10h 31m*	17:52	*35m*	18:27	*37m*	19:05	*38m*	19:43	*13h 26m*	*9h 43m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:48	07:41	05:27	*38m*	06:05	*37m*	06:42	*35m*	07:18	*10h 35m*	17:53	*35m*	18:29	*37m*	19:07	*38m*	19:45	*13h 22m*	*9h 39m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		18:58	07:53	05:25	*38m*	06:03	*37m*	06:40	*35m*	07:16	*10h 39m*	17:55	*35m*	18:31	*37m*	19:08	*38m*	19:47	*13h 18m*	*9h 35m*				So, 25. Feb
Mo, 26. Feb		19:48 – 20:07	*18m*	AN$_+$ *bis* M↗		20:07	08:04	05:23	*38m*	06:01	*37m*	06:38	*35m*	07:14	*10h 43m*	17:57	*35m*	18:32	*37m*	19:10	*38m*	19:48	*13h 14m*	*9h 32m*				Mo, 26. Feb
Di, 27. Feb		19:50 – 21:16	*1h 25m*	AN$_+$ *bis* M↗		21:16	08:13	05:20	*38m*	05:59	*37m*	06:36	*35m*	07:12	*10h 47m*	17:59	*35m*	18:34	*37m*	19:12	*38m*	19:50	*13h 10m*	*9h 28m*				Di, 27. Feb
Mi, 28. Feb		19:52 – 22:26	*2h 34m*	AN$_+$ *bis* M↗		22:26	08:24	05:18	*38m*	05:57	*37m*	06:34	*35m*	07:09	*10h 50m*	18:00	*35m*	18:36	*37m*	19:13	*38m*	19:52	*13h 07m*	*9h 24m*				Mi, 28. Feb
Do, 29. Feb		19:53 – 23:40	*3h 46m*	AN$_+$ *bis* M↗		23:40	08:35	05:16	*38m*	05:55	*37m*	06:32	*35m*	07:07	*10h 54m*	18:02	*35m*	18:37	*37m*	19:15	*38m*	19:53	*13h 03m*	*9h 20m*				Do, 29. Feb
Fr, 1. Mär		19:55 – 00:55*	*5h 00m*	AN$_+$ *bis* M↗		—:—	08:50	05:14	*38m*	05:53	*37m*	06:30	*35m*	07:05	*10h 58m*	18:04	*35m*	18:39	*37m*	19:17	*38m*	19:55	*12h 59m*	*9h 16m*				Fr, 1. Mär
Sa, 2. Mär		19:57 – 02:13*	*6h 16m*	AN$_+$ *bis* M↗		00:55	09:09	05:12	*38m*	05:51	*37m*	06:28	*35m*	07:03	*11h 02m*	18:06	*35m*	18:41	*37m*	19:18	*38m*	19:57	*12h 55m*	*9h 13m*				Sa, 2. Mär
So, 3. Mär		19:59 – 03:28*	*7h 29m*	AN$_+$ *bis* M↗	◑	02:13	09:36	05:10	*38m*	05:48	*37m*	06:26	*35m*	07:01	*11h 06m*	18:07	*35m*	18:42	*37m*	19:20	*38m*	19:59	*12h 51m*	*9h 09m*				So, 3. Mär
Mo, 4. Mär		20:00 – 04:34*	*8h 33m*	AN$_+$ *bis* M↗		03:28	10:15	05:08	*38m*	05:46	*37m*	06:24	*35m*	06:59	*11h 10m*	18:09	*35m*	18:44	*37m*	19:22	*38m*	20:00	*12h 47m*	*9h 05m*				Mo, 4. Mär
Di, 5. Mär		20:02 – 05:03*	*9h 01m*	AN$_+$ *bis* AN$_-$		04:34	11:12	05:06	*38m*	05:44	*37m*	06:22	*35m*	06:57	*11h 13m*	18:11	*35m*	18:46	*37m*	19:23	*38m*	20:02	*12h 43m*	*9h 01m*				Di, 5. Mär
Mi, 6. Mär		20:04 – 05:01*	*8h 57m*	AN$_+$ *bis* AN$_-$		05:26	12:27	05:03	*38m*	05:42	*37m*	06:20	*34m*	06:55	*11h 17m*	18:12	*35m*	18:47	*37m*	19:25	*38m*	20:04	*12h 39m*	*8h 57m*				Mi, 6. Mär
Do, 7. Mär		20:06 – 04:59*	*8h 52m*	AN$_+$ *bis* AN$_-$		06:03	13:56	05:01	*38m*	05:40	*37m*	06:17	*34m*	06:52	*11h 21m*	18:14	*35m*	18:49	*37m*	19:27	*39m*	20:06	*12h 36m*	*8h 52m*				Do, 7. Mär
Fr, 8. Mär		20:08 – 04:56*	*8h 48m*	AN$_+$ *bis* AN$_-$		06:29	15:30	04:59	*38m*	05:38	*37m*	06:15	*34m*	06:50	*11h 25m*	18:16	*35m*	18:51	*37m*	19:28	*39m*	20:08	*12h 32m*	*8h 48m*				Fr, 8. Mär
Sa, 9. Mär		20:09 – 04:54*	*8h 44m*	AN$_+$ *bis* AN$_-$		06:48	17:04	04:56	*39m*	05:35	*37m*	06:13	*34m*	06:48	*11h 29m*	18:17	*35m*	18:53	*37m*	19:30	*39m*	20:09	*12h 28m*	*8h 44m*				Sa, 9. Mär
So, 10. Mär		20:11 – 04:52*	*8h 40m*	AN$_+$ *bis* AN$_-$	●	07:04	18:36	04:54	*39m*	05:33	*37m*	06:11	*34m*	06:46	*11h 33m*	18:19	*35m*	18:54	*37m*	19:32	*39m*	20:11	*12h 24m*	*8h 40m*				So, 10. Mär
Mo, 11. Mär		20:13 – 04:49*	*8h 36m*	AN$_+$ *bis* AN$_-$		07:18	20:07	04:52	*39m*	05:31	*37m*	06:09	*34m*	06:44	*11h 37m*	18:21	*35m*	18:56	*37m*	19:34	*39m*	20:13	*12h 20m*	*8h 36m*				Mo, 11. Mär
Di, 12. Mär		21:37 – 04:47*	*7h 09m*	M↘ *bis* AN$_-$		07:32	21:37	04:49	*39m*	05:29	*37m*	06:06	*34m*	06:41	*11h 41m*	18:23	*34m*	18:58	*37m*	19:35	*39m*	20:15	*12h 16m*	*8h 32m*				Di, 12. Mär
Mi, 13. Mär		23:07 – 04:45*	*5h 37m*	M↘ *bis* AN$_-$		07:47	23:07	04:47	*39m*	05:26	*37m*	06:04	*34m*	06:39	*11h 45m*	18:24	*34m*	18:59	*37m*	19:37	*39m*	20:17	*12h 12m*	*8h 27m*				Mi, 13. Mär
Do, 14. Mär		00:36* – 04:42*	*4h 06m*	M↘ *bis* AN$_-$		08:06	—:—	04:45	*39m*	05:24	*37m*	06:02	*34m*	06:37	*11h 49m*	18:26	*35m*	19:01	*37m*	19:39	*39m*	20:19	*12h 08m*	*8h 23m*				Do, 14. Mär
Fr, 15. Mär		01:58* – 04:40*	*2h 41m*	M↘ *bis* AN$_-$		08:31	00:36	04:42	*39m*	05:22	*37m*	06:00	*34m*	06:35	*11h 52m*	18:28	*35m*	19:03	*37m*	19:41	*39m*	20:21	*12h 04m*	*8h 19m*				Fr, 15. Mär
Sa, 16. Mär		03:10* – 04:37*	*1h 27m*	M↘ *bis* AN$_-$		09:04	01:58	04:40	*39m*	05:20	*37m*	05:57	*34m*	06:32	*11h 56m*	18:29	*35m*	19:04	*38m*	19:42	*40m*	20:22	*12h 00m*	*8h 14m*				Sa, 16. Mär
So, 17. Mär		04:06* – 04:35*	*29m*	M↘ *bis* AN$_-$	◐	09:50	03:10	04:37	*40m*	05:17	*37m*	05:55	*34m*	06:30	*12h 00m*	18:31	*35m*	19:06	*38m*	19:44	*40m*	20:24	*11h 56m*	*8h 10m*				So, 17. Mär
Mo, 18. Mär		—:——:—	–	Mond stört		10:49	04:06	04:35	*40m*	05:15	*38m*	05:53	*34m*	06:28	*12h 04m*	18:33	*35m*	19:08	*38m*	19:46	*40m*	20:26	*11h 53m*	*8h 05m*				Mo, 18. Mär
Di, 19. Mär		—:——:—	–	Mond stört		11:58	04:46	04:32	*40m*	05:13	*38m*	05:51	*34m*	06:26	*12h 08m*	18:34	*35m*	19:09	*38m*	19:48	*40m*	20:28	*11h 49m*	*8h 01m*				Di, 19. Mär
Mi, 20. Mär		—:——:—	–	Mond stört		13:11	05:14	04:30	*40m*	05:10	*38m*	05:48	*35m*	06:23	*12h 12m*	18:36	*35m*	19:11	*38m*	19:49	*40m*	20:30	*11h 45m*	*7h 56m*				Mi, 20. Mär
Do, 21. Mär		—:——:—	–	Mond stört		14:25	05:35	04:27	*40m*	05:08	*38m*	05:46	*35m*	06:21	*12h 16m*	18:38	*35m*	19:13	*38m*	19:51	*40m*	20:32	*11h 41m*	*7h 52m*				Do, 21. Mär
Fr, 22. Mär		—:——:—	–	Mond stört		15:37	05:50	04:25	*40m*	05:05	*38m*	05:44	*35m*	06:19	*12h 20m*	18:39	*35m*	19:14	*38m*	19:53	*41m*	20:34	*11h 37m*	*7h 47m*				Fr, 22. Mär
Sa, 23. Mär		—:——:—	–	Mond stört		16:47	06:02	04:22	*41m*	05:03	*38m*	05:42	*35m*	06:17	*12h 24m*	18:41	*35m*	19:16	*38m*	19:55	*41m*	20:36	*11h 33m*	*7h 43m*				Sa, 23. Mär
So, 24. Mär		—:——:—	–	Mond stört		17:57	06:13	04:19	*41m*	05:01	*38m*	05:39	*35m*	06:14	*12h 28m*	18:43	*35m*	19:18	*38m*	19:57	*41m*	20:38	*11h 29m*	*7h 38m*				So, 24. Mär
Mo, 25. Mär		—:——:—	–	Mond stört	○	19:06	06:23	04:17	*41m*	04:58	*38m*	05:37	*35m*	06:12	*12h 31m*	18:44	*35m*	19:20	*38m*	19:58	*41m*	20:40	*11h 25m*	*7h 33m*				Mo, 25. Mär
Di, 26. Mär		—:——:—	–	Mond stört		20:16	06:33	04:14	*41m*	04:56	*38m*	05:35	*35m*	06:10	*12h 35m*	18:46	*35m*	19:21	*39m*	20:00	*42m*	20:42	*11h 21m*	*7h 29m*				Di, 26. Mär
Mi, 27. Mär		20:44 – 21:29	*44m*	AN$_+$ *bis* M↗		21:29	06:44	04:11	*41m*	04:53	*38m*	05:32	*35m*	06:08	*12h 39m*	18:47	*35m*	19:23	*39m*	20:02	*42m*	20:44	*11h 17m*	*7h 24m*				Mi, 27. Mär
Do, 28. Mär		20:47 – 22:44	*1h 57m*	AN$_+$ *bis* M↗		22:44	06:57	04:09	*42m*	04:51	*39m*	05:30	*35m*	06:05	*12h 43m*	18:49	*35m*	19:25	*39m*	20:04	*42m*	20:47	*11h 14m*	*7h 19m*				Do, 28. Mär
Fr, 29. Mär		20:49 – 00:01*	*3h 12m*	AN$_+$ *bis* M↗		—:—	07:14	04:06	*42m*	04:48	*39m*	05:28	*35m*	06:03	*12h 47m*	18:51	*35m*	19:26	*39m*	20:06	*42m*	20:49	*11h 10m*	*7h 14m*				Fr, 29. Mär
Sa, 30. Mär		20:51 – 01:17*	*4h 25m*	AN$_+$ *bis* M↗		00:01	07:38	04:03	*42m*	04:46	*39m*	05:25	*35m*	06:01	*12h 51m*	18:52	*35m*	19:28	*39m*	20:08	*43m*	20:51	*11h 06m*	*7h 09m*				Sa, 30. Mär
So, 31. Mär	MESZ	21:53 – 03:25*	*5h 31m*	AN$_+$ *bis* M↗		02:17	09:12	05:01	*43m*	05:44	*39m*	06:23	*35m*	06:59	*12h 55m*	19:54	*35m*	20:30	*39m*	21:10	*43m*	21:53	*11h 02m*	*7h 04m*				So, 31. Mär
Mo, 1. Apr	MESZ	21:55 – 04:20*	*6h 25m*	AN$_+$ *bis* M↗		03:25	10:01	04:58	*43m*	05:41	*39m*	06:21	*35m*	06:57	*12h 59m*	19:56	*35m*	20:32	*39m*	21:11	*43m*	21:55	*10h 58m*	*6h 59m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:57 – 04:52*	*6h 54m*	AN$_+$ *bis* AN$_-$	◑	04:20	11:07	04:55	*43m*	05:39	*39m*	06:18	*35m*	06:54	*13h 03m*	19:57	*35m*	20:33	*40m*	21:13	*43m*	21:57	*10h 54m*	*6h 54m*				Di, 2. Apr
Mi, 3. Apr	MESZ	22:00 – 04:49*	*6h 49m*	AN$_+$ *bis* AN$_-$		05:01	12:28	04:52	*43m*	05:36	*40m*	06:16	*35m*	06:52	*13h 06m*	19:59	*36m*	20:35	*40m*	21:15	*44m*	22:00	*10h 50m*	*6h 49m*				Mi, 3. Apr
Do, 4. Apr	MESZ	22:02 – 04:47*	*6h 44m*	AN$_+$ *bis* AN$_-$		05:30	13:57	04:49	*44m*	05:34	*40m*	06:14	*35m*	06:50	*13h 10m*	20:01	*36m*	20:37	*40m*	21:17	*44m*	22:02	*10h 47m*	*6h 44m*				Do, 4. Apr
Fr, 5. Apr	MESZ	22:04 – 04:44*	*6h 39m*	AN$_+$ *bis* AN$_-$		05:52	15:29	04:47	*44m*	05:31	*40m*	06:12	*36m*	06:48	*13h 14m*	20:02	*36m*	20:39	*40m*	21:19	*44m*	22:04	*10h 43m*	*6h 39m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	22:06 – 04:41*	*6h 34m*	AN$_+$ *bis* AN$_-$		06:08	17:00	04:44	*44m*	05:29	*40m*	06:09	*36m*	06:45	*13h 18m*	20:04	*36m*	20:40	*40m*	21:21	*45m*	22:06	*10h 39m*	*6h 34m*				Sa, 6. Apr
So, 7. Apr	MESZ	22:09 – 04:38*	*6h 29m*	AN$_+$ *bis* AN$_-$		06:23	18:30	04:41	*45m*	05:26	*40m*	06:07	*36m*	06:43	*13h 22m*	20:06	*36m*	20:42	*41m*	21:23	*45m*	22:09	*10h 35m*	*6h 29m*				So, 7. Apr
Mo, 8. Apr	MESZ	22:11 – 04:35*	*6h 23m*	AN$_+$ *bis* AN$_-$	●	06:36	20:01	04:38	*45m*	05:24	*41m*	06:05	*36m*	06:41	*13h 26m*	20:07	*36m*	20:44	*41m*	21:25	*46m*	22:11	*10h 31m*	*6h 23m*				Mo, 8. Apr
Di, 9. Apr	MESZ	22:14 – 04:32*	*6h 18m*	AN$_+$ *bis* AN$_-$		06:51	21:32	04:35	*46m*	05:21	*41m*	06:02	*36m*	06:39	*13h 29m*	20:09	*36m*	20:46	*41m*	21:27	*46m*	22:14	*10h 27m*	*6h 18m*				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	23:04 – 04:29*	*5h 25m*	M↘ *bis* AN_		07:08	23:04	04:32	*46m*	05:19	*41m*	06:00	*36m*	06:37	*13h 33m*	20:10	*36m*	20:47	*41m*	21:29	*46m*	22:16	*10h 24m*	*6h 13m*				Mi, 10. Apr
Do, 11. Apr	MESZ	00:33* – 04:26*	*3h 53m*	M↘ *bis* AN_		07:29	—:—	04:29	*46m*	05:16	*41m*	05:58	*36m*	06:35	*13h 37m*	20:12	*36m*	20:49	*41m*	21:31	*47m*	22:18	*10h 20m*	*6h 07m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:53* – 04:23*	*2h 30m*	M↘ *bis* AN_		07:59	00:33	04:26	*47m*	05:14	*41m*	05:55	*36m*	06:32	*13h 41m*	20:14	*37m*	20:51	*42m*	21:33	*47m*	22:21	*10h 16m*	*6h 02m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:57* – 04:20*	*1h 22m*	M↘ *bis* AN_		08:41	01:53	04:23	*47m*	05:11	*42m*	05:53	*37m*	06:30	*13h 45m*	20:15	*37m*	20:53	*42m*	21:35	*48m*	22:23	*10h 12m*	*5h 56m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:45* – 04:17*	*32m*	M↘ *bis* AN_		09:37	02:57	04:20	*48m*	05:08	*42m*	05:51	*37m*	06:28	*13h 48m*	20:17	*37m*	20:54	*42m*	21:37	*48m*	22:26	*10h 08m*	*5h 51m*				So, 14. Apr
Mo, 15. Apr	MESZ	—:— – —:—	–	Mond stört	◐	10:44	03:45	04:17	*48m*	05:06	*42m*	05:49	*37m*	06:26	*13h 52m*	20:19	*37m*	20:56	*43m*	21:39	*49m*	22:29	*10h 05m*	*5h 45m*				Mo, 15. Apr
Di, 16. Apr	MESZ	—:— – —:—	–	Mond stört		11:57	04:18	04:14	*49m*	05:03	*42m*	05:46	*37m*	06:24	*13h 56m*	20:20	*37m*	20:58	*43m*	21:41	*49m*	22:31	*10h 01m*	*5h 39m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:12	04:41	04:11	*49m*	05:01	*43m*	05:44	*37m*	06:22	*14h 00m*	20:22	*37m*	21:00	*43m*	21:43	*50m*	22:34	*9h 57m*	*5h 34m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:25	04:58	04:08	*50m*	04:58	*43m*	05:42	*37m*	06:20	*14h 03m*	20:24	*37m*	21:02	*43m*	21:45	*51m*	22:37	*9h 54m*	*5h 28m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:36	05:11	04:05	*51m*	04:56	*43m*	05:40	*37m*	06:18	*14h 07m*	20:25	*38m*	21:03	*44m*	21:48	*51m*	22:39	*9h 50m*	*5h 22m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:45	05:22	04:02	*51m*	04:53	*44m*	05:37	*38m*	06:16	*14h 11m*	20:27	*38m*	21:05	*44m*	21:50	*52m*	22:42	*9h 46m*	*5h 16m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:54	05:32	03:58	*52m*	04:51	*44m*	05:35	*38m*	06:14	*14h 14m*	20:29	*38m*	21:07	*44m*	21:52	*52m*	22:45	*9h 43m*	*5h 10m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		19:04	05:42	03:55	*52m*	04:48	*44m*	05:33	*38m*	06:12	*14h 18m*	20:30	*38m*	21:09	*45m*	21:54	*53m*	22:48	*9h 39m*	*5h 04m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		20:17	05:52	03:52	*53m*	04:46	*45m*	05:31	*38m*	06:10	*14h 22m*	20:32	*38m*	21:11	*45m*	21:56	*54m*	22:51	*9h 35m*	*4h 58m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:32	06:05	03:49	*54m*	04:43	*45m*	05:29	*38m*	06:08	*14h 25m*	20:33	*39m*	21:12	*45m*	21:58	*55m*	22:53	*9h 32m*	*4h 52m*				Mi, 24. Apr
Do, 25. Apr	MESZ	—:— – —:—	–	Mond stört		22:49	06:21	03:46	*55m*	04:41	*45m*	05:27	*39m*	06:06	*14h 29m*	20:35	*39m*	21:14	*46m*	22:00	*55m*	22:56	*9h 28m*	*4h 45m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:59 – 00:06*	*1h 06m*	AN+ *bis* M↗		—:—	06:42	03:42	*55m*	04:38	*46m*	05:24	*39m*	06:04	*14h 33m*	20:37	*39m*	21:16	*46m*	22:03	*56m*	22:59	*9h 25m*	*4h 39m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	23:03 – 01:18*	*2h 15m*	AN+ *bis* M↗		00:06	07:13	03:39	*56m*	04:36	*46m*	05:22	*39m*	06:02	*14h 36m*	20:38	*39m*	21:18	*46m*	22:05	*57m*	23:03	*9h 21m*	*4h 33m*				Sa, 27. Apr
So, 28. Apr	MESZ	23:06 – 02:17*	*3h 11m*	AN+ *bis* M↗		01:18	07:57	03:36	*57m*	04:33	*46m*	05:20	*39m*	06:00	*14h 40m*	20:40	*39m*	21:20	*47m*	22:07	*58m*	23:06	*9h 17m*	*4h 26m*				So, 28. Apr
Mo, 29. Apr	MESZ	23:09 – 03:02*	*3h 52m*	AN+ *bis* M↗		02:17	08:58	03:32	*58m*	04:31	*47m*	05:18	*39m*	05:58	*14h 43m*	20:41	*40m*	21:22	*47m*	22:09	*59m*	23:09	*9h 14m*	*4h 20m*				Mo, 29. Apr
Di, 30. Apr	MESZ	23:12 – 03:25*	*4h 13m*	AN+ *bis* AN_		03:02	10:14	03:29	*59m*	04:28	*47m*	05:16	*40m*	05:56	*14h 47m*	20:43	*40m*	21:23	*48m*	22:12	*1h 00m*	23:12	*9h 11m*	*4h 13m*				Di, 30. Apr
Mi, 1. Mai	MESZ	23:15 – 03:22*	*4h 06m*	AN+ *bis* AN_	◑	03:33	11:38	03:25	*1h 00m*	04:26	*48m*	05:14	*40m*	05:54	*14h 50m*	20:45	*40m*	21:25	*48m*	22:14	*1h 01m*	23:15	*9h 07m*	*4h 06m*				Mi, 1. Mai
Do, 2. Mai	MESZ	23:19 – 03:18*	*3h 59m*	AN+ *bis* AN_		03:56	13:06	03:22	*1h 01m*	04:23	*48m*	05:12	*40m*	05:52	*14h 53m*	20:46	*40m*	21:27	*48m*	22:16	*1h 02m*	23:19	*9h 04m*	*3h 59m*				Do, 2. Mai
Fr, 3. Mai	MESZ	23:22 – 03:15*	*3h 52m*	AN+ *bis* AN_		04:14	14:34	03:18	*1h 02m*	04:21	*48m*	05:10	*40m*	05:51	*14h 57m*	20:48	*40m*	21:29	*49m*	22:18	*1h 03m*	23:22	*9h 00m*	*3h 52m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	23:26 – 03:11*	*3h 45m*	AN+ *bis* AN_		04:28	16:01	03:15	*1h 03m*	04:18	*49m*	05:08	*40m*	05:49	*15h 00m*	20:50	*41m*	21:31	*49m*	22:21	*1h 04m*	23:26	*8h 57m*	*3h 45m*				Sa, 4. Mai
So, 5. Mai	MESZ	23:29 – 03:07*	*3h 38m*	AN+ *bis* AN_		04:41	17:29	03:11	*1h 04m*	04:16	*49m*	05:06	*41m*	05:47	*15h 04m*	20:51	*41m*	21:33	*50m*	22:23	*1h 06m*	23:29	*8h 54m*	*3h 38m*				So, 5. Mai
Mo, 6. Mai	MESZ	23:33 – 03:04*	*3h 30m*	AN+ *bis* AN_		04:55	18:58	03:07	*1h 06m*	04:14	*50m*	05:04	*41m*	05:45	*15h 07m*	20:53	*41m*	21:34	*50m*	22:25	*1h 07m*	23:33	*8h 50m*	*3h 30m*				Mo, 6. Mai
Di, 7. Mai	MESZ	23:36 – 03:00*	*3h 23m*	AN+ *bis* AN_		05:10	20:29	03:04	*1h 07m*	04:11	*50m*	05:02	*41m*	05:44	*15h 10m*	20:54	*41m*	21:36	*51m*	22:27	*1h 09m*	23:36	*8h 47m*	*3h 23m*				Di, 7. Mai
Mi, 8. Mai	MESZ	23:40 – 02:56*	*3h 15m*	AN+ *bis* AN_	●	05:30	22:00	03:00	*1h 09m*	04:09	*51m*	05:00	*41m*	05:42	*15h 13m*	20:56	*42m*	21:38	*51m*	22:30	*1h 10m*	23:40	*8h 44m*	*3h 15m*				Mi, 8. Mai
Do, 9. Mai	MESZ	23:44 – 02:52*	*3h 07m*	AN+ *bis* AN_		05:55	23:26	02:56	*1h 10m*	04:06	*51m*	04:58	*42m*	05:40	*15h 17m*	20:57	*42m*	21:40	*52m*	22:32	*1h 12m*	23:44	*8h 41m*	*3h 07m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:40* – 02:48*	*2h 07m*	M↘ *bis* AN_		06:32	—:—	02:52	*1h 12m*	04:04	*52m*	04:56	*42m*	05:39	*15h 20m*	20:59	*42m*	21:41	*52m*	22:34	*1h 13m*	23:48	*8h 38m*	*2h 59m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	01:37* – 02:44*	*1h 06m*	M↘ *bis* AN_		07:22	00:40	02:48	*1h 13m*	04:02	*52m*	04:54	*42m*	05:37	*15h 23m*	21:00	*42m*	21:43	*53m*	22:37	*1h 15m*	23:52	*8h 35m*	*2h 51m*				Sa, 11. Mai
So, 12. Mai	MESZ	02:16* – 02:39*	*22m*	M↘ *bis* AN_		08:26	01:37	02:44	*1h 15m*	03:59	*53m*	04:53	*42m*	05:36	*15h 26m*	21:02	*43m*	21:45	*53m*	22:39	*1h 17m*	23:57	*8h 32m*	*2h 42m*				So, 12. Mai
Mo, 13. Mai	MESZ	—:— – —:—	–	Mond stört		09:39	02:16	02:39	*1h 17m*	03:57	*53m*	04:51	*43m*	05:34	*15h 29m*	21:03	*43m*	21:47	*54m*	22:41	*1h 20m*	00:01*	*8h 29m*	*2h 33m*				Mo, 13. Mai
Di, 14. Mai	MESZ	—:— – —:—	–	Mond stört		10:55	02:44	02:35	*1h 19m*	03:55	*54m*	04:49	*43m*	05:33	*15h 32m*	21:05	*43m*	21:49	*54m*	22:43	*1h 22m*	00:06*	*8h 26m*	*2h 24m*				Di, 14. Mai
Mi, 15. Mai	MESZ	—:— – —:—	–	Mond stört	◐	12:10	03:03	02:30	*1h 22m*	03:53	*54m*	04:47	*43m*	05:31	*15h 35m*	21:06	*43m*	21:50	*55m*	22:46	*1h 24m*	00:11*	*8h 23m*	*2h 14m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:22	03:18	02:25	*1h 24m*	03:50	*55m*	04:46	*43m*	05:30	*15h 38m*	21:08	*44m*	21:52	*55m*	22:48	*1h 27m*	00:16*	*8h 20m*	*2h 04m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:32	03:30	02:20	*1h 27m*	03:48	*55m*	04:44	*44m*	05:28	*15h 41m*	21:09	*44m*	21:54	*56m*	22:50	*1h 31m*	00:21*	*8h 17m*	*1h 53m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:41	03:40	02:15	*1h 31m*	03:46	*56m*	04:43	*44m*	05:27	*15h 43m*	21:11	*44m*	21:55	*57m*	22:52	*1h 34m*	00:27*	*8h 14m*	*1h 41m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:50	03:50	02:09	*1h 34m*	03:44	*57m*	04:41	*44m*	05:26	*15h 46m*	21:12	*44m*	21:57	*57m*	22:55	*1h 38m*	00:34*	*8h 12m*	*1h 29m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		18:02	04:00	02:03	*1h 38m*	03:42	*57m*	04:39	*44m*	05:24	*15h 49m*	21:13	*45m*	21:59	*58m*	22:57	*1h 44m*	00:41*	*8h 09m*	*1h 14m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		19:16	04:12	01:55	*1h 44m*	03:40	*58m*	04:38	*45m*	05:23	*15h 51m*	21:15	*45m*	22:00	*58m*	22:59	*1h 51m*	00:50*	*8h 07m*	*56m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:33	04:27	01:47	*1h 50m*	03:38	*58m*	04:36	*45m*	05:22	*15h 54m*	21:16	*45m*	22:02	*59m*	23:01	*2h 02m*	01:03*	*8h 04m*	*30m*				Mi, 22. Mai
Do, 23. Mai	MESZ			Astr. MD	○	21:52	04:46	01:34	*2h 02m*	03:36	*59m*	04:35	*45m*	05:21	*15h 56m*	21:17	*45m*	22:03	*1h 00m*	23:03		—:—	*8h 02m*		—:— – —:—	–	Mond stört	Do, 23. Mai
Fr, 24. Mai	MESZ			Astr. MD		23:07	05:14	—:—		03:34	*1h 00m*	04:34	*45m*	05:20	*15h 59m*	21:19	*46m*	22:05	*1h 00m*	23:06		—:—	*7h 59m*		23:06 – 23:07	*0m*	ND+ *bis* M↗	Fr, 24. Mai
Sa, 25. Mai	MESZ			Astr. MD		—:—	05:54	—:—		03:32	*1h 00m*	04:32	*46m*	05:18	*16h 01m*	21:20	*46m*	22:06	*1h 01m*	23:08		—:—	*7h 57m*		23:08 – 00:11*	*1h 03m*	ND+ *bis* M↗	Sa, 25. Mai
So, 26. Mai	MESZ			Astr. MD		00:11	06:51	—:—		03:30	*1h 01m*	04:31	*46m*	05:17	*16h 03m*	21:21	*46m*	22:08	*1h 01m*	23:10		—:—	*7h 55m*		23:10 – 01:01*	*1h 51m*	ND+ *bis* M↗	So, 26. Mai
Mo, 27. Mai	MESZ			Astr. MD		01:01	08:03	—:—		03:28	*1h 01m*	04:30	*46m*	05:16	*16h 06m*	21:22	*46m*	22:09	*1h 02m*	23:12		—:—	*7h 52m*		23:12 – 01:36*	*2h 24m*	ND+ *bis* M↗	Mo, 27. Mai
Di, 28. Mai	MESZ			Astr. MD		01:36	09:26	—:—		03:26	*1h 02m*	04:29	*46m*	05:15	*16h 08m*	21:24	*47m*	22:11	*1h 03m*	23:14		—:—	*7h 50m*		23:14 – 02:01*	*2h 47m*	ND+ *bis* M↗	Di, 28. Mai
Mi, 29. Mai	MESZ			Astr. MD		02:01	10:53	—:—		03:24	*1h 03m*	04:27	*47m*	05:15	*16h 10m*	21:25	*47m*	22:12	*1h 03m*	23:16		—:—	*7h 48m*		23:16 – 02:20*	*3h 04m*	ND+ *bis* M↗	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	◑	02:20	12:20	—:—		03:23	*1h 03m*	04:26	*47m*	05:14	*16h 12m*	21:26	*47m*	22:13	*1h 04m*	23:18		—:—	*7h 46m*		23:18 – 02:35*	*3h 17m*	ND+ *bis* M↗	Do, 30. Mai
Fr, 31. Mai	MESZ			Astr. MD		02:35	13:45	—:—		03:21	*1h 04m*	04:25	*47m*	05:13	*16h 14m*	21:27	*47m*	22:15	*1h 04m*	23:20		—:—	*7h 45m*		23:20 – 02:48*	*3h 28m*	ND+ *bis* M↗	Fr, 31. Mai
Sa, 1. Jun	MESZ			Astr. MD		02:48	15:09	—:—		03:20	*1h 04m*	04:24	*47m*	05:12	*16h 16m*	21:28	*47m*	22:16	*1h 05m*	23:21		—:—	*7h 43m*		23:21 – 03:01*	*3h 39m*	ND+ *bis* M↗	Sa, 1. Jun
So, 2. Jun	MESZ			Astr. MD		03:01	16:35	—:—		03:18	*1h 05m*	04:23	*47m*	05:11	*16h 17m*	21:29	*48m*	22:17	*1h 05m*	23:23		—:—	*7h 41m*		23:23 – 03:15*	*3h 52m*	ND+ *bis* M↗	So, 2. Jun
Mo, 3. Jun	MESZ			Astr. MD		03:15	18:02	—:—		03:17	*1h 05m*	04:23	*48m*	05:11	*16h 19m*	21:30	*48m*	22:18	*1h 06m*	23:25		—:—	*7h 39m*		23:25 – 03:15*	*3h 50m*	ND+ *bis* ND−	Mo, 3. Jun
Di, 4. Jun	MESZ			Astr. MD		03:32	19:31	—:—		03:15	*1h 06m*	04:22	*48m*	05:10	*16h 21m*	21:31	*48m*	22:20	*1h 07m*	23:27		—:—	*7h 38m*		23:27 – 03:14*	*3h 47m*	ND+ *bis* ND−	Di, 4. Jun
Mi, 5. Jun	MESZ			Astr. MD		03:54	20:59	—:—		03:14	*1h 07m*	04:21	*48m*	05:09	*16h 22m*	21:32	*48m*	22:21	*1h 07m*	23:28		—:—	*7h 36m*		23:28 – 03:13*	*3h 44m*	ND+ *bis* ND−	Mi, 5. Jun
Do, 6. Jun	MESZ			Astr. MD	●	04:25	22:19	—:—		03:13	*1h 07m*	04:20	*48m*	05:09	*16h 23m*	21:33	*48m*	22:22	*1h 08m*	23:30		—:—	*7h 35m*		23:30 – 03:11*	*3h 41m*	ND+ *bis* ND−	Do, 6. Jun
Fr, 7. Jun	MESZ			Astr. MD		05:09	23:24	—:—		03:11	*1h 08m*	04:20	*48m*	05:08	*16h 25m*	21:34	*49m*	22:23	*1h 08m*	23:31		—:—	*7h 34m*		23:31 – 03:10*	*3h 39m*	ND+ *bis* ND−	Fr, 7. Jun
Sa, 8. Jun	MESZ			Astr. MD		06:08	—:—	—:—		03:10	*1h 08m*	04:19	*49m*	05:08	*16h 26m*	21:35	*49m*	22:24	*1h 08m*	23:33		—:—	*7h 33m*		00:11* – 03:09*	*2h 58m*	M↘ *bis* ND−	Sa, 8. Jun
So, 9. Jun	MESZ			Astr. MD		07:18	00:11	—:—		03:09	*1h 08m*	04:18	*49m*	05:08	*16h 27m*	21:35	*49m*	22:25	*1h 09m*	23:34		—:—	*7h 31m*		00:44* – 03:09*	*2h 24m*	M↘ *bis* ND−	So, 9. Jun
Mo, 10. Jun	MESZ			Astr. MD		08:35	00:44	—:—		03:09	*1h 09m*	04:18	*49m*	05:07	*16h 28m*	21:36	*49m*	22:25	*1h 09m*	23:35		—:—	*7h 30m*		01:06* – 03:08*	*2h 01m*	M↘ *bis* ND−	Mo, 10. Jun
Di, 11. Jun	MESZ			Astr. MD		09:52	01:06	—:—		03:08	*1h 09m*	04:17	*49m*	05:07	*16h 29m*	21:37	*49m*	22:26	*1h 10m*	23:36		—:—	*7h 30m*		01:23* – 03:07*	*1h 44m*	M↘ *bis* ND−	Di, 11. Jun
Mi, 12. Jun	MESZ			Astr. MD		11:06	01:23	—:—		03:07	*1h 10m*	04:17	*49m*	05:07	*16h 30m*	21:37	*49m*	22:27	*1h 10m*	23:37		—:—	*7h 29m*		01:36* – 03:06*	*1h 30m*	M↘ *bis* ND−	Mi, 12. Jun
Do, 13. Jun	MESZ			Astr. MD		12:17	01:36	—:—		03:06	*1h 10m*	04:17	*49m*	05:07	*16h 31m*	21:38	*49m*	22:28	*1h 10m*	23:38		—:—	*7h 28m*		01:47* – 03:06*	*1h 19m*	M↘ *bis* ND−	Do, 13. Jun
Fr, 14. Jun	MESZ			Astr. MD	◐	13:26	01:47	—:—		03:06	*1h 10m*	04:17	*49m*	05:06	*16h 32m*	21:38	*49m*	22:28	*1h 11m*	23:39		—:—	*7h 27m*		01:57* – 03:05*	*1h 08m*	M↘ *bis* ND−	Fr, 14. Jun
Sa, 15. Jun	MESZ			Astr. MD		14:35	01:57	—:—		03:05	*1h 11m*	04:16	*49m*	05:06	*16h 32m*	21:39	*49m*	22:29	*1h 11m*	23:40		—:—	*7h 27m*		02:07* – 03:05*	*58m*	M↘ *bis* ND−	Sa, 15. Jun
So, 16. Jun	MESZ			Astr. MD		15:45	02:07	—:—		03:05	*1h 11m*	04:16	*49m*	05:06	*16h 33m*	21:39	*49m*	22:29	*1h 11m*	23:41		—:—	*7h 26m*		02:18* – 03:05*	*46m*	M↘ *bis* ND−	So, 16. Jun
Mo, 17. Jun	MESZ			Astr. MD		16:58	02:18	—:—		03:05	*1h 11m*	04:16	*49m*	05:06	*16h 33m*	21:40	*50m*	22:30	*1h 11m*	23:41		—:—	*7h 26m*		02:32* – 03:05*	*33m*	M↘ *bis* ND−	Mo, 17. Jun
Di, 18. Jun	MESZ			Astr. MD		18:13	02:32	—:—		03:05	*1h 11m*	04:16	*50m*	05:06	*16h 33m*	21:40	*50m*	22:30	*1h 11m*	23:42		—:—	*7h 26m*		02:49* – 03:05*	*15m*	M↘ *bis* ND−	Di, 18. Jun
Mi, 19. Jun	MESZ			Astr. MD		19:32	02:49	—:—		03:05	*1h 11m*	04:16	*50m*	05:06	*16h 33m*	21:40	*50m*	22:30	*1h 11m*	23:42		—:—	*7h 26m*		—:— – —:—	–	Mond stört	Mi, 19. Jun
Do, 20. Jun	MESZ			Astr. MD		20:49	03:13	—:—		03:05	*1h 11m*	04:16	*50m*	05:07	*16h 34m*	21:41	*50m*	22:31	*1h 11m*	23:42		—:—	*7h 26m*		—:— – —:—	–	Mond stört	Do, 20. Jun
Fr, 21. Jun	MESZ			Astr. MD		21:59	03:49	—:—		03:05	*1h 11m*	04:17	*50m*	05:07	*16h 34m*	21:41	*50m*	22:31	*1h 11m*	23:43		—:—	*7h 26m*		—:— – —:—	–	Mond stört	Fr, 21. Jun
Sa, 22. Jun	MESZ			Astr. MD	○	22:56	04:40	—:—		03:05	*1h 11m*	04:17	*50m*	05:07	*16h 33m*	21:41	*50m*	22:31	*1h 11m*	23:43		—:—	*7h 26m*		—:— – —:—	–	Mond stört	Sa, 22. Jun
So, 23. Jun	MESZ			Astr. MD		23:37	05:48	—:—		03:06	*1h 11m*	04:17	*50m*	05:07	*16h 33m*	21:41	*50m*	22:31	*1h 11m*	23:43		—:—	*7h 26m*		—:— – —:—	–	Mond stört	So, 23. Jun
Mo, 24. Jun	MESZ			Astr. MD		—:—	07:10	—:—		03:06	*1h 11m*	04:18	*50m*	05:08	*16h 33m*	21:41	*49m*	22:31	*1h 11m*	23:42		—:—	*7h 27m*		23:42 – 00:05*	*22m*	ND+ *bis* M↗	Mo, 24. Jun
Di, 25. Jun	MESZ			Astr. MD		00:05	08:38	—:—		03:07	*1h 11m*	04:18	*49m*	05:08	*16h 32m*	21:41	*49m*	22:31	*1h 11m*	23:42		—:—	*7h 27m*		23:42 – 00:26*	*43m*	ND+ *bis* M↗	Di, 25. Jun
Mi, 26. Jun	MESZ			Astr. MD		00:26	10:07	—:—		03:07	*1h 11m*	04:19	*49m*	05:09	*16h 32m*	21:41	*49m*	22:31	*1h 10m*	23:42		—:—	*7h 28m*		23:42 – 00:42*	*1h 00m*	ND+ *bis* M↗	Mi, 26. Jun
Do, 27. Jun	MESZ			Astr. MD		00:42	11:33	—:—		03:08	*1h 10m*	04:19	*49m*	05:09	*16h 31m*	21:41	*49m*	22:31	*1h 10m*	23:41		—:—	*7h 28m*		23:41 – 00:56*	*1h 14m*	ND+ *bis* M↗	Do, 27. Jun
Fr, 28. Jun	MESZ			Astr. MD	◑	00:56	12:57	—:—		03:09	*1h 10m*	04:20	*49m*	05:10	*16h 31m*	21:41	*49m*	22:30	*1h 10m*	23:41		—:—	*7h 29m*		23:41 – 01:08*	*1h 27m*	ND+ *bis* M↗	Fr, 28. Jun
Sa, 29. Jun	MESZ			Astr. MD		01:08	14:22	—:—		03:10	*1h 10m*	04:20	*49m*	05:10	*16h 30m*	21:41	*49m*	22:30	*1h 10m*	23:40		—:—	*7h 30m*		23:40 – 01:22*	*1h 41m*	ND+ *bis* M↗	Sa, 29. Jun
So, 30. Jun	MESZ			Astr. MD		01:22	15:47	—:—		03:11	*1h 10m*	04:21	*49m*	05:11	*16h 29m*	21:40	*49m*	22:30	*1h 09m*	23:39		—:—	*7h 31m*		23:39 – 01:37*	*1h 57m*	ND+ *bis* M↗	So, 30. Jun
Mo, 1. Jul	MESZ			Astr. MD		01:37	17:13	—:—		03:12	*1h 09m*	04:22	*49m*	05:11	*16h 28m*	21:40	*49m*	22:29	*1h 09m*	23:39		—:—	*7h 32m*		23:39 – 01:57*	*2h 18m*	ND+ *bis* M↗	Mo, 1. Jul
Di, 2. Jul	MESZ			Astr. MD		01:57	18:39	—:—		03:13	*1h 09m*	04:23	*49m*	05:12	*16h 27m*	21:40	*49m*	22:29	*1h 08m*	23:38		—:—	*7h 33m*		23:38 – 02:24*	*2h 45m*	ND+ *bis* M↗	Di, 2. Jul
Mi, 3. Jul	MESZ			Astr. MD		02:24	20:01	—:—		03:15	*1h 08m*	04:24	*49m*	05:13	*16h 26m*	21:39	*49m*	22:28	*1h 08m*	23:37		—:—	*7h 34m*		23:37 – 03:01*	*3h 24m*	ND+ *bis* M↗	Mi, 3. Jul
Do, 4. Jul	MESZ			Astr. MD		03:01	21:11	—:—		03:16	*1h 08m*	04:25	*49m*	05:14	*16h 25m*	21:39	*48m*	22:28	*1h 07m*	23:36		—:—	*7h 35m*		23:36 – 03:18*	*3h 42m*	ND+ *bis* ND−	Do, 4. Jul
Fr, 5. Jul	MESZ			Astr. MD		03:54	22:05	—:—		03:18	*1h 07m*	04:26	*48m*	05:14	*16h 23m*	21:38	*48m*	22:27	*1h 07m*	23:34		—:—	*7h 37m*		23:34 – 03:19*	*3h 44m*	ND+ *bis* ND−	Fr, 5. Jul
Sa, 6. Jul	MESZ			Astr. MD	●	05:00	22:42	—:—		03:19	*1h 07m*	04:27	*48m*	05:15	*16h 22m*	21:38	*48m*	22:26	*1h 06m*	23:33		—:—	*7h 38m*		23:33 – 03:21*	*3h 47m*	ND+ *bis* ND−	Sa, 6. Jul
So, 7. Jul	MESZ			Astr. MD		06:15	23:09	—:—		03:21	*1h 06m*	04:28	*48m*	05:16	*16h 20m*	21:37	*48m*	22:25	*1h 06m*	23:32		—:—	*7h 40m*		23:32 – 03:22*	*3h 50m*	ND+ *bis* ND−	So, 7. Jul
Mo, 8. Jul	MESZ			Astr. MD		07:32	23:27	—:—		03:22	*1h 06m*	04:29	*48m*	05:17	*16h 19m*	21:36	*48m*	22:24	*1h 05m*	23:30		—:—	*7h 41m*		23:30 – 03:24*	*3h 53m*	ND+ *bis* ND−	Mo, 8. Jul
Di, 9. Jul	MESZ			Astr. MD		08:48	23:42	—:—		03:24	*1h 05m*	04:30	*48m*	05:18	*16h 17m*	21:36	*47m*	22:24	*1h 05m*	23:29		—:—	*7h 43m*		23:42 – 03:26*	*3h 44m*	M↘ *bis* ND−	Di, 9. Jul
Mi, 10. Jul	MESZ			Astr. MD		10:01	23:53	—:—		03:26	*1h 05m*	04:31	*47m*	05:19	*16h 15m*	21:35	*47m*	22:23	*1h 04m*	23:27		—:—	*7h 45m*		23:53 – 03:28*	*3h 34m*	M↘ *bis* ND−	Mi, 10. Jul
Do, 11. Jul	MESZ			Astr. MD		11:11	—:—	—:—		03:28	*1h 04m*	04:33	*47m*	05:20	*16h 13m*	21:34	*47m*	22:22	*1h 04m*	23:26		—:—	*7h 47m*		00:03* – 03:30*	*3h 26m*	M↘ *bis* ND−	Do, 11. Jul
Fr, 12. Jul	MESZ			Astr. MD		12:20	00:03	—:—		03:30	*1h 04m*	04:34	*47m*	05:21	*16h 11m*	21:33	*47m*	22:21	*1h 03m*	23:24		—:—	*7h 49m*		00:13* – 03:32*	*3h 18m*	M↘ *bis* ND−	Fr, 12. Jul
Sa, 13. Jul	MESZ			Astr. MD		13:29	00:13	—:—		03:32	*1h 03m*	04:35	*47m*	05:22	*16h 09m*	21:32	*47m*	22:19	*1h 02m*	23:22		—:—	*7h 51m*		00:24* – 03:34*	*3h 09m*	M↘ *bis* ND−	Sa, 13. Jul
So, 14. Jul	MESZ			Astr. MD	◐	14:40	00:24	—:—		03:34	*1h 02m*	04:36	*47m*	05:24	*16h 07m*	21:31	*46m*	22:18	*1h 02m*	23:21		—:—	*7h 53m*		00:36* – 03:35*	*2h 59m*	M↘ *bis* ND−	So, 14. Jul
Mo, 15. Jul	MESZ			Astr. MD		15:54	00:36	—:—		03:35	*1h 02m*	04:38	*46m*	05:25	*16h 05m*	21:30	*46m*	22:17	*1h 01m*	23:19		—:—	*7h 55m*		00:51* – 03:38*	*2h 46m*	M↘ *bis* ND−	Mo, 15. Jul
Di, 16. Jul	MESZ			Astr. MD		17:10	00:51	—:—		03:38	*1h 01m*	04:39	*46m*	05:26	*16h 03m*	21:29	*46m*	22:16	*1h 01m*	23:17		—:—	*7h 57m*		01:12* – 03:40*	*2h 27m*	M↘ *bis* ND−	Di, 16. Jul
Mi, 17. Jul	MESZ			Astr. MD		18:28	01:12	—:—		03:40	*1h 01m*	04:41	*46m*	05:27	*16h 01m*	21:28	*46m*	22:14	*1h 00m*	23:15		—:—	*7h 59m*		01:42* – 03:42*	*1h 59m*	M↘ *bis* ND−	Mi, 17. Jul
Do, 18. Jul	MESZ			Astr. MD		19:42	01:42	—:—		03:42	*1h 00m*	04:42	*46m*	05:28	*15h 58m*	21:27	*45m*	22:13	*59m*	23:13		—:—	*8h 02m*		02:26* – 03:44*	*1h 18m*	M↘ *bis* ND−	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		20:45	02:26	—:—		03:44	*59m*	04:44	*45m*	05:30	*15h 56m*	21:26	*45m*	22:12	*59m*	23:11	*2h 00m*	01:11*	*8h 04m*	*34m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:—–—:—	–	Mond stört		21:32	03:27	01:46	*2h 00m*	03:46	*59m*	04:45	*45m*	05:31	*15h 54m*	21:25	*45m*	22:10	*58m*	23:09	*1h 50m*	00:59*	*8h 07m*	*58m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:—–—:—	–	Mond stört	○	22:06	04:46	01:58	*1h 50m*	03:48	*58m*	04:47	*45m*	05:32	*15h 51m*	21:24	*45m*	22:09	*58m*	23:07	*1h 43m*	00:51*	*8h 09m*	*1h 15m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:—–—:—	–	Mond stört		22:30	06:14	02:07	*1h 43m*	03:50	*58m*	04:48	*45m*	05:33	*15h 48m*	21:22	*44m*	22:07	*57m*	23:05	*1h 38m*	00:43*	*8h 12m*	*1h 30m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:—–—:—	–	Mond stört		22:48	07:46	02:14	*1h 38m*	03:52	*57m*	04:50	*44m*	05:35	*15h 46m*	21:21	*44m*	22:06	*57m*	23:03	*1h 34m*	00:37*	*8h 15m*	*1h 42m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:—–—:—	–	Mond stört		23:02	09:15	02:20	*1h 34m*	03:55	*57m*	04:52	*44m*	05:36	*15h 43m*	21:20	*44m*	22:04	*56m*	23:01	*1h 30m*	00:31*	*8h 17m*	*1h 54m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:—–—:—	–	Mond stört		23:15	10:43	02:26	*1h 30m*	03:57	*56m*	04:53	*44m*	05:38	*15h 40m*	21:18	*44m*	22:02	*55m*	22:58	*1h 27m*	00:26*	*8h 20m*	*2h 05m*				Do, 25. Jul
Fr, 26. Jul	MESZ	—:—–—:—	–	Mond stört		23:29	12:09	02:31	*1h 27m*	03:59	*55m*	04:55	*44m*	05:39	*15h 38m*	21:17	*43m*	22:01	*55m*	22:56	*1h 24m*	00:21*	*8h 23m*	*2h 15m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	—:—–—:—	–	Mond stört		23:43	13:35	02:36	*1h 24m*	04:01	*55m*	04:57	*43m*	05:40	*15h 35m*	21:16	*43m*	21:59	*54m*	22:54	*1h 22m*	00:16*	*8h 26m*	*2h 24m*				Sa, 27. Jul
So, 28. Jul	MESZ	—:—–—:—	–	Mond stört	◑	—:—	15:01	02:41	*1h 22m*	04:03	*54m*	04:58	*43m*	05:42	*15h 32m*	21:14	*43m*	21:57	*54m*	22:52	*1h 19m*	00:12*	*8h 29m*	*2h 34m*				So, 28. Jul
Mo, 29. Jul	MESZ	00:07* – 00:25*	*18m*	AN$_+$ *bis* M↗		00:01	16:27	02:46	*1h 19m*	04:06	*54m*	05:00	*43m*	05:43	*15h 29m*	21:13	*43m*	21:56	*53m*	22:49	*1h 17m*	00:07*	*8h 32m*	*2h 42m*				Mo, 29. Jul
Di, 30. Jul	MESZ	00:03* – 00:59*	*55m*	AN$_+$ *bis* M↗		00:25	17:50	02:50	*1h 17m*	04:08	*53m*	05:02	*43m*	05:45	*15h 26m*	21:11	*42m*	21:54	*53m*	22:47	*1h 15m*	00:03*	*8h 35m*	*2h 51m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:59 – 01:45*	*1h 46m*	AN$_+$ *bis* M↗		00:59	19:03	02:54	*1h 15m*	04:10	*53m*	05:03	*42m*	05:46	*15h 23m*	21:09	*42m*	21:52	*52m*	22:45	*1h 13m*	23:59	*8h 38m*	*2h 59m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:55 – 02:47*	*2h 51m*	AN$_+$ *bis* M↗		01:45	20:01	02:58	*1h 13m*	04:12	*52m*	05:05	*42m*	05:48	*15h 20m*	21:08	*42m*	21:50	*52m*	22:42	*1h 12m*	23:55	*8h 41m*	*3h 07m*				Do, 1. Aug
Fr, 2. Aug	MESZ	23:51 – 03:06*	*3h 15m*	AN$_+$ *bis* AN$_-$		02:47	20:43	03:02	*1h 12m*	04:14	*52m*	05:07	*42m*	05:49	*15h 17m*	21:06	*42m*	21:48	*51m*	22:40	*1h 10m*	23:51	*8h 44m*	*3h 15m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	23:47 – 03:10*	*3h 23m*	AN$_+$ *bis* AN$_-$		03:59	21:12	03:06	*1h 10m*	04:17	*51m*	05:08	*42m*	05:51	*15h 13m*	21:04	*41m*	21:46	*51m*	22:38	*1h 09m*	23:47	*8h 47m*	*3h 23m*				Sa, 3. Aug
So, 4. Aug	MESZ	23:43 – 03:13*	*3h 30m*	AN$_+$ *bis* AN$_-$	●	05:15	21:33	03:10	*1h 09m*	04:19	*51m*	05:10	*41m*	05:52	*15h 10m*	21:03	*41m*	21:44	*50m*	22:35	*1h 07m*	23:43	*8h 50m*	*3h 30m*				So, 4. Aug
Mo, 5. Aug	MESZ	23:39 – 03:17*	*3h 37m*	AN$_+$ *bis* AN$_-$		06:32	21:48	03:13	*1h 07m*	04:21	*50m*	05:12	*41m*	05:54	*15h 07m*	21:01	*41m*	21:42	*50m*	22:33	*1h 06m*	23:39	*8h 54m*	*3h 37m*				Mo, 5. Aug
Di, 6. Aug	MESZ	23:35 – 03:20*	*3h 45m*	AN$_+$ *bis* AN$_-$		07:46	22:00	03:17	*1h 06m*	04:23	*50m*	05:14	*41m*	05:55	*15h 04m*	20:59	*41m*	21:41	*49m*	22:30	*1h 05m*	23:35	*8h 57m*	*3h 45m*				Di, 6. Aug
Mi, 7. Aug	MESZ	23:32 – 03:24*	*3h 52m*	AN$_+$ *bis* AN$_-$		08:57	22:11	03:20	*1h 05m*	04:26	*49m*	05:15	*41m*	05:57	*15h 00m*	20:58	*40m*	21:39	*49m*	22:28	*1h 03m*	23:32	*9h 00m*	*3h 52m*				Mi, 7. Aug
Do, 8. Aug	MESZ	23:28 – 03:27*	*3h 59m*	AN$_+$ *bis* AN$_-$		10:07	22:21	03:24	*1h 03m*	04:28	*49m*	05:17	*40m*	05:58	*14h 57m*	20:56	*40m*	21:36	*48m*	22:25	*1h 02m*	23:28	*9h 03m*	*3h 59m*				Do, 8. Aug
Fr, 9. Aug	MESZ	23:25 – 03:31*	*4h 05m*	AN$_+$ *bis* AN$_-$		11:16	22:31	03:27	*1h 02m*	04:30	*49m*	05:19	*40m*	06:00	*14h 54m*	20:54	*40m*	21:34	*48m*	22:23	*1h 01m*	23:25	*9h 07m*	*4h 05m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	23:21 – 03:34*	*4h 12m*	AN$_+$ *bis* AN$_-$		12:25	22:42	03:31	*1h 01m*	04:32	*48m*	05:21	*40m*	06:01	*14h 50m*	20:52	*40m*	21:32	*48m*	22:21	*1h 00m*	23:21	*9h 10m*	*4h 12m*				Sa, 10. Aug
So, 11. Aug	MESZ	23:18 – 03:37*	*4h 19m*	AN$_+$ *bis* AN$_-$		13:37	22:55	03:34	*1h 00m*	04:34	*48m*	05:22	*40m*	06:03	*14h 47m*	20:50	*40m*	21:30	*47m*	22:18	*59m*	23:18	*9h 14m*	*4h 19m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:14 – 03:40*	*4h 25m*	AN$_+$ *bis* AN$_-$	◐	14:51	23:13	03:37	*59m*	04:36	*47m*	05:24	*40m*	06:04	*14h 44m*	20:48	*39m*	21:28	*47m*	22:16	*58m*	23:14	*9h 17m*	*4h 25m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:38 – 03:43*	*4h 05m*	M↘ *bis* AN$_-$		16:08	23:38	03:40	*58m*	04:39	*47m*	05:26	*39m*	06:06	*14h 40m*	20:46	*39m*	21:26	*46m*	22:13	*57m*	23:11	*9h 21m*	*4h 32m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:14* – 03:46*	*3h 32m*	M↘ *bis* AN$_-$		17:22	—:—	03:43	*57m*	04:41	*46m*	05:28	*39m*	06:07	*14h 37m*	20:44	*39m*	21:24	*46m*	22:11	*56m*	23:07	*9h 24m*	*4h 38m*				Mi, 14. Aug
Do, 15. Aug	MESZ	01:06* – 03:49*	*2h 42m*	M↘ *bis* AN$_-$		18:30	00:14	03:46	*56m*	04:43	*46m*	05:29	*39m*	06:09	*14h 33m*	20:43	*39m*	21:22	*46m*	22:08	*56m*	23:04	*9h 27m*	*4h 44m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:17* – 03:52*	*1h 35m*	M↘ *bis* AN$_-$		19:24	01:06	03:49	*56m*	04:45	*46m*	05:31	*39m*	06:11	*14h 30m*	20:41	*39m*	21:20	*45m*	22:05	*55m*	23:01	*9h 31m*	*4h 51m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	03:42* – 03:55*	*12m*	M↘ *bis* AN$_-$		20:03	02:17	03:52	*55m*	04:47	*45m*	05:33	*39m*	06:12	*14h 26m*	20:39	*38m*	21:17	*45m*	22:03	*54m*	22:57	*9h 35m*	*4h 57m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:—–—:—	–	Mond stört		20:31	03:42	03:55	*54m*	04:49	*45m*	05:35	*38m*	06:14	*14h 22m*	20:37	*38m*	21:15	*45m*	22:00	*53m*	22:54	*9h 38m*	*5h 03m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:—–—:—	–	Mond stört	○	20:52	05:14	03:57	*53m*	04:51	*45m*	05:36	*38m*	06:15	*14h 19m*	20:35	*38m*	21:13	*44m*	21:58	*53m*	22:51	*9h 42m*	*5h 09m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:—–—:—	–	Mond stört		21:08	06:46	04:00	*53m*	04:53	*44m*	05:38	*38m*	06:17	*14h 15m*	20:32	*38m*	21:11	*44m*	21:55	*52m*	22:48	*9h 45m*	*5h 15m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:—–—:—	–	Mond stört		21:21	08:17	04:03	*52m*	04:55	*44m*	05:40	*38m*	06:18	*14h 12m*	20:30	*38m*	21:09	*44m*	21:53	*51m*	22:45	*9h 49m*	*5h 20m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:—–—:—	–	Mond stört		21:35	09:47	04:06	*51m*	04:57	*44m*	05:42	*38m*	06:20	*14h 08m*	20:28	*38m*	21:06	*43m*	21:50	*51m*	22:41	*9h 53m*	*5h 26m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:—–—:—	–	Mond stört		21:49	11:16	04:08	*51m*	04:59	*43m*	05:43	*38m*	06:21	*14h 04m*	20:26	*37m*	21:04	*43m*	21:48	*50m*	22:38	*9h 56m*	*5h 32m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	—:—–—:—	–	Mond stört		22:06	12:45	04:11	*50m*	05:01	*43m*	05:45	*37m*	06:23	*14h 01m*	20:24	*37m*	21:02	*43m*	21:45	*50m*	22:35	*10h 00m*	*5h 38m*				Sa, 24. Aug
So, 25. Aug	MESZ	—:—–—:—	–	Mond stört		22:28	14:14	04:13	*50m*	05:03	*43m*	05:47	*37m*	06:25	*13h 57m*	20:22	*37m*	21:00	*43m*	21:43	*49m*	22:32	*10h 04m*	*5h 43m*				So, 25. Aug
Mo, 26. Aug	MESZ	22:29 – 22:59	*29m*	AN$_+$ *bis* M↗	◑	22:59	15:39	04:16	*49m*	05:05	*43m*	05:49	*37m*	06:26	*13h 53m*	20:20	*37m*	20:57	*42m*	21:40	*48m*	22:29	*10h 07m*	*5h 49m*				Mo, 26. Aug
Di, 27. Aug	MESZ	22:26 – 23:41	*1h 15m*	AN$_+$ *bis* M↗		23:41	16:56	04:18	*49m*	05:07	*42m*	05:50	*37m*	06:28	*13h 50m*	20:18	*37m*	20:55	*42m*	21:38	*48m*	22:26	*10h 11m*	*5h 54m*				Di, 27. Aug
Mi, 28. Aug	MESZ	22:23 – 00:38*	*2h 14m*	AN$_+$ *bis* M↗		—:—	17:59	04:21	*48m*	05:09	*42m*	05:52	*37m*	06:29	*13h 46m*	20:16	*37m*	20:53	*42m*	21:35	*48m*	22:23	*10h 15m*	*6h 00m*				Mi, 28. Aug
Do, 29. Aug	MESZ	22:20 – 01:47*	*3h 26m*	AN$_+$ *bis* M↗		00:38	18:45	04:23	*48m*	05:11	*42m*	05:54	*37m*	06:31	*13h 42m*	20:13	*36m*	20:50	*42m*	21:32	*47m*	22:20	*10h 18m*	*6h 05m*				Do, 29. Aug
Fr, 30. Aug	MESZ	22:17 – 03:02*	*4h 45m*	AN$_+$ *bis* M↗		01:47	19:17	04:26	*47m*	05:13	*42m*	05:55	*37m*	06:32	*13h 38m*	20:11	*36m*	20:48	*41m*	21:30	*47m*	22:17	*10h 22m*	*6h 11m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	22:14 – 04:19*	*6h 04m*	AN$_+$ *bis* M↗		03:02	19:39	04:28	*47m*	05:15	*41m*	05:57	*36m*	06:34	*13h 35m*	20:09	*36m*	20:46	*41m*	21:27	*46m*	22:14	*10h 26m*	*6h 16m*				Sa, 31. Aug
So, 1. Sep	MESZ	22:11 – 04:33*	*6h 21m*	AN$_+$ *bis* AN$_-$		04:19	19:56	04:30	*46m*	05:17	*41m*	05:59	*36m*	06:35	*13h 31m*	20:07	*36m*	20:43	*41m*	21:25	*46m*	22:11	*10h 30m*	*6h 21m*				So, 1. Sep
Mo, 2. Sep	MESZ	22:08 – 04:35*	*6h 26m*	AN$_+$ *bis* AN$_-$		05:33	20:09	04:33	*46m*	05:19	*41m*	06:00	*36m*	06:37	*13h 27m*	20:05	*36m*	20:41	*41m*	21:22	*45m*	22:08	*10h 33m*	*6h 26m*				Mo, 2. Sep
Di, 3. Sep	MESZ	22:05 – 04:37*	*6h 32m*	AN$_+$ *bis* AN$_-$	●	06:45	20:19	04:35	*45m*	05:21	*41m*	06:02	*36m*	06:39	*13h 23m*	20:02	*36m*	20:39	*40m*	21:20	*45m*	22:05	*10h 37m*	*6h 32m*				Di, 3. Sep
Mi, 4. Sep	MESZ	22:02 – 04:40*	*6h 37m*	AN$_+$ *bis* AN$_-$		07:55	20:29	04:37	*45m*	05:23	*40m*	06:04	*36m*	06:40	*13h 20m*	20:00	*36m*	20:37	*40m*	21:17	*45m*	22:02	*10h 41m*	*6h 37m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:59 – 04:42*	*6h 42m*	AN$_+$ *bis* AN$_-$		09:04	20:39	04:40	*45m*	05:25	*40m*	06:05	*36m*	06:42	*13h 16m*	19:58	*36m*	20:34	*40m*	21:15	*44m*	21:59	*10h 45m*	*6h 42m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:57 – 04:44*	*6h 47m*	AN$_+$ *bis* AN$_-$		10:13	20:49	04:42	*44m*	05:27	*40m*	06:07	*36m*	06:43	*13h 12m*	19:56	*36m*	20:32	*40m*	21:12	*44m*	21:57	*10h 49m*	*6h 47m*				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	21:54 – 04:46*	*6h 52m*	AN$_+$ *bis* AN$_-$		11:24	21:02	04:44	*44m*	05:28	*40m*	06:09	*36m*	06:45	*13h 08m*	19:54	*35m*	20:30	*40m*	21:10	*44m*	21:54	*10h 52m*	*6h 52m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:51 – 04:48*	*6h 57m*	AN$_+$ *bis* AN$_-$		12:37	21:17	04:46	*44m*	05:30	*40m*	06:10	*35m*	06:46	*13h 04m*	19:51	*35m*	20:27	*39m*	21:07	*43m*	21:51	*10h 56m*	*6h 57m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:48 – 04:50*	*7h 02m*	AN$_+$ *bis* AN$_-$		13:52	21:38	04:48	*43m*	05:32	*40m*	06:12	*35m*	06:48	*13h 01m*	19:49	*35m*	20:25	*39m*	21:05	*43m*	21:48	*11h 00m*	*7h 02m*				Mo, 9. Sep
Di, 10. Sep	MESZ	22:09 – 04:52*	*6h 43m*	M$_\searrow$ *bis* AN$_-$		15:06	22:09	04:50	*43m*	05:34	*39m*	06:14	*35m*	06:50	*12h 57m*	19:47	*35m*	20:22	*39m*	21:02	*43m*	21:45	*11h 04m*	*7h 07m*				Di, 10. Sep
Mi, 11. Sep	MESZ	22:52 – 04:54*	*6h 02m*	M$_\searrow$ *bis* AN$_-$	◐	16:16	22:52	04:52	*43m*	05:36	*39m*	06:15	*35m*	06:51	*12h 53m*	19:45	*35m*	20:20	*39m*	21:00	*42m*	21:43	*11h 08m*	*7h 11m*				Mi, 11. Sep
Do, 12. Sep	MESZ	23:53 – 04:57*	*5h 03m*	M$_\searrow$ *bis* AN$_-$		17:14	23:53	04:54	*42m*	05:37	*39m*	06:17	*35m*	06:53	*12h 49m*	19:42	*35m*	20:18	*39m*	20:57	*42m*	21:40	*11h 11m*	*7h 16m*				Do, 12. Sep
Fr, 13. Sep	MESZ	01:10* – 04:59*	*3h 48m*	M$_\searrow$ *bis* AN$_-$		17:59	—:—	04:57	*42m*	05:39	*39m*	06:19	*35m*	06:54	*12h 45m*	19:40	*35m*	20:15	*39m*	20:55	*42m*	21:37	*11h 15m*	*7h 21m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:38* – 05:01*	*2h 22m*	M$_\searrow$ *bis* AN$_-$		18:31	01:10	04:59	*42m*	05:41	*39m*	06:20	*35m*	06:56	*12h 42m*	19:38	*35m*	20:13	*39m*	20:52	*42m*	21:34	*11h 19m*	*7h 26m*				Sa, 14. Sep
So, 15. Sep	MESZ	04:09* – 05:03*	*53m*	M$_\searrow$ *bis* AN$_-$		18:54	02:38	05:01	*42m*	05:43	*39m*	06:22	*35m*	06:57	*12h 38m*	19:35	*35m*	20:11	*38m*	20:50	*41m*	21:32	*11h 23m*	*7h 30m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		19:12	04:09	05:03	*41m*	05:44	*38m*	06:23	*35m*	06:59	*12h 34m*	19:33	*35m*	20:08	*38m*	20:47	*41m*	21:29	*11h 27m*	*7h 35m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:26	05:42	05:05	*41m*	05:46	*38m*	06:25	*35m*	07:00	*12h 30m*	19:31	*35m*	20:06	*38m*	20:45	*41m*	21:26	*11h 31m*	*7h 40m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:40	07:13	05:06	*41m*	05:48	*38m*	06:27	*35m*	07:02	*12h 26m*	19:29	*35m*	20:04	*38m*	20:42	*41m*	21:24	*11h 34m*	*7h 44m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		19:54	08:45	05:08	*41m*	05:50	*38m*	06:28	*35m*	07:04	*12h 22m*	19:26	*35m*	20:02	*38m*	20:40	*41m*	21:21	*11h 38m*	*7h 49m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		20:10	10:17	05:10	*41m*	05:51	*38m*	06:30	*35m*	07:05	*12h 18m*	19:24	*35m*	19:59	*38m*	20:38	*40m*	21:18	*11h 42m*	*7h 53m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:30	11:49	05:12	*40m*	05:53	*38m*	06:32	*35m*	07:07	*12h 15m*	19:22	*35m*	19:57	*38m*	20:35	*40m*	21:16	*11h 46m*	*7h 58m*				Sa, 21. Sep
So, 22. Sep	MESZ	—:— – —:—	–	Mond stört		20:58	13:20	05:14	*40m*	05:55	*38m*	06:33	*35m*	07:08	*12h 11m*	19:20	*35m*	19:55	*38m*	20:33	*40m*	21:13	*11h 50m*	*8h 02m*				So, 22. Sep
Mo, 23. Sep	MESZ	21:11 – 21:37	*25m*	AN$_+$ *bis* M$_\nearrow$		21:37	14:44	05:16	*40m*	05:57	*38m*	06:35	*35m*	07:10	*12h 07m*	19:17	*34m*	19:52	*38m*	20:30	*40m*	21:11	*11h 54m*	*8h 07m*				Mo, 23. Sep
Di, 24. Sep	MESZ	21:08 – 22:30	*1h 21m*	AN$_+$ *bis* M$_\nearrow$	◑	22:30	15:54	05:18	*40m*	05:58	*38m*	06:36	*35m*	07:11	*12h 03m*	19:15	*34m*	19:50	*38m*	20:28	*40m*	21:08	*11h 57m*	*8h 11m*				Di, 24. Sep
Mi, 25. Sep	MESZ	21:06 – 23:36	*2h 30m*	AN$_+$ *bis* M$_\nearrow$		23:36	16:45	05:20	*40m*	06:00	*38m*	06:38	*35m*	07:13	*11h 59m*	19:13	*34m*	19:48	*37m*	20:26	*40m*	21:06	*12h 01m*	*8h 15m*				Mi, 25. Sep
Do, 26. Sep	MESZ	21:03 – 00:51*	*3h 47m*	AN$_+$ *bis* M$_\nearrow$		—:—	17:21	05:21	*40m*	06:02	*38m*	06:40	*35m*	07:15	*11h 55m*	19:11	*34m*	19:45	*37m*	20:23	*39m*	21:03	*12h 05m*	*8h 20m*				Do, 26. Sep
Fr, 27. Sep	MESZ	21:01 – 02:07*	*5h 06m*	AN$_+$ *bis* M$_\nearrow$		00:51	17:46	05:23	*39m*	06:03	*37m*	06:41	*35m*	07:16	*11h 52m*	19:08	*34m*	19:43	*37m*	20:21	*39m*	21:01	*12h 09m*	*8h 24m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:58 – 03:22*	*6h 23m*	AN$_+$ *bis* M$_\nearrow$		02:07	18:04	05:25	*39m*	06:05	*37m*	06:43	*35m*	07:18	*11h 48m*	19:06	*34m*	19:41	*37m*	20:19	*39m*	20:58	*12h 13m*	*8h 28m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:56 – 04:35*	*7h 38m*	AN$_+$ *bis* M$_\nearrow$		03:22	18:18	05:27	*39m*	06:07	*37m*	06:44	*35m*	07:19	*11h 44m*	19:04	*34m*	19:39	*37m*	20:16	*39m*	20:56	*12h 17m*	*8h 32m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:53 – 05:30*	*8h 37m*	AN$_+$ *bis* AN$_-$		04:35	18:29	05:29	*39m*	06:08	*37m*	06:46	*35m*	07:21	*11h 40m*	19:01	*34m*	19:36	*37m*	20:14	*39m*	20:53	*12h 21m*	*8h 37m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:51 – 05:32*	*8h 41m*	AN$_+$ *bis* AN$_-$		05:45	18:39	05:30	*39m*	06:10	*37m*	06:48	*35m*	07:23	*11h 36m*	18:59	*34m*	19:34	*37m*	20:12	*39m*	20:51	*12h 24m*	*8h 41m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:49 – 05:34*	*8h 45m*	AN$_+$ *bis* AN$_-$	●	06:54	18:48	05:32	*39m*	06:11	*37m*	06:49	*35m*	07:24	*11h 32m*	18:57	*34m*	19:32	*37m*	20:10	*39m*	20:49	*12h 28m*	*8h 45m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:46 – 05:36*	*8h 49m*	AN$_+$ *bis* AN$_-$		08:03	18:58	05:34	*39m*	06:13	*37m*	06:51	*35m*	07:26	*11h 29m*	18:55	*34m*	19:30	*37m*	20:07	*39m*	20:46	*12h 32m*	*8h 49m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:44 – 05:37*	*8h 53m*	AN$_+$ *bis* AN$_-$		09:13	19:10	05:36	*39m*	06:15	*37m*	06:52	*35m*	07:27	*11h 25m*	18:53	*34m*	19:28	*37m*	20:05	*38m*	20:44	*12h 36m*	*8h 53m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:42 – 05:39*	*8h 57m*	AN$_+$ *bis* AN$_-$		10:25	19:24	05:37	*39m*	06:16	*37m*	06:54	*35m*	07:29	*11h 21m*	18:50	*34m*	19:25	*37m*	20:03	*38m*	20:42	*12h 40m*	*8h 57m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:39 – 05:41*	*9h 01m*	AN$_+$ *bis* AN$_-$		11:40	19:43	05:39	*38m*	06:18	*37m*	06:56	*35m*	07:31	*11h 17m*	18:48	*35m*	19:23	*37m*	20:01	*38m*	20:39	*12h 44m*	*9h 01m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:37 – 05:42*	*9h 05m*	AN$_+$ *bis* AN$_-$		12:54	20:10	05:41	*38m*	06:20	*37m*	06:57	*35m*	07:32	*11h 13m*	18:46	*35m*	19:21	*37m*	19:58	*38m*	20:37	*12h 47m*	*9h 05m*				Mo, 7. Okt
Di, 8. Okt	MESZ	20:47 – 05:44*	*8h 56m*	M$_\searrow$ *bis* AN$_-$		14:05	20:47	05:42	*38m*	06:21	*37m*	06:59	*35m*	07:34	*11h 09m*	18:44	*35m*	19:19	*37m*	19:56	*38m*	20:35	*12h 51m*	*9h 09m*				Di, 8. Okt
Mi, 9. Okt	MESZ	21:40 – 05:46*	*8h 05m*	M$_\searrow$ *bis* AN$_-$		15:07	21:40	05:44	*38m*	06:23	*37m*	07:00	*35m*	07:36	*11h 06m*	18:42	*35m*	19:17	*37m*	19:54	*38m*	20:33	*12h 55m*	*9h 13m*				Mi, 9. Okt
Do, 10. Okt	MESZ	22:49 – 05:47*	*6h 58m*	M$_\searrow$ *bis* AN$_-$	◐	15:55	22:49	05:46	*38m*	06:24	*37m*	07:02	*35m*	07:37	*11h 02m*	18:39	*35m*	19:15	*37m*	19:52	*38m*	20:30	*12h 59m*	*9h 16m*				Do, 10. Okt
Fr, 11. Okt	MESZ	00:10* – 05:49*	*5h 38m*	M$_\searrow$ *bis* AN$_-$		16:30	—:—	05:47	*38m*	06:26	*37m*	07:04	*35m*	07:39	*10h 58m*	18:37	*35m*	19:12	*37m*	19:50	*38m*	20:28	*13h 03m*	*9h 20m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:37* – 05:51*	*4h 13m*	M$_\searrow$ *bis* AN$_-$		16:56	00:10	05:49	*38m*	06:28	*37m*	07:05	*35m*	07:40	*10h 54m*	18:35	*35m*	19:10	*37m*	19:48	*38m*	20:26	*13h 06m*	*9h 24m*				Sa, 12. Okt
So, 13. Okt	MESZ	03:07* – 05:52*	*2h 45m*	M$_\searrow$ *bis* AN$_-$		17:15	01:37	05:51	*38m*	06:29	*37m*	07:07	*35m*	07:42	*10h 50m*	18:33	*35m*	19:08	*37m*	19:46	*38m*	20:24	*13h 10m*	*9h 28m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:36* – 05:54*	*1h 17m*	M$_\searrow$ *bis* AN$_-$		17:30	03:07	05:52	*38m*	06:31	*37m*	07:08	*35m*	07:44	*10h 47m*	18:31	*35m*	19:06	*37m*	19:44	*38m*	20:22	*13h 14m*	*9h 32m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:44	04:36	05:54	*38m*	06:32	*37m*	07:10	*35m*	07:45	*10h 43m*	18:29	*35m*	19:04	*37m*	19:42	*38m*	20:20	*13h 18m*	*9h 35m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		17:58	06:07	05:56	*38m*	06:34	*37m*	07:12	*35m*	07:47	*10h 39m*	18:27	*35m*	19:02	*37m*	19:40	*38m*	20:18	*13h 22m*	*9h 39m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:13	07:39	05:57	*38m*	06:36	*37m*	07:13	*35m*	07:49	*10h 35m*	18:25	*35m*	19:00	*37m*	19:38	*38m*	20:16	*13h 25m*	*9h 43m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:31	09:13	05:59	*38m*	06:37	*37m*	07:15	*35m*	07:50	*10h 32m*	18:23	*35m*	18:58	*37m*	19:36	*38m*	20:14	*13h 29m*	*9h 46m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		18:56	10:48	06:01	*38m*	06:39	*37m*	07:16	*35m*	07:52	*10h 28m*	18:21	*35m*	18:56	*37m*	19:34	*38m*	20:12	*13h 33m*	*9h 50m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:30	12:19	06:02	*38m*	06:40	*37m*	07:18	*35m*	07:54	*10h 24m*	18:18	*35m*	18:54	*37m*	19:32	*38m*	20:10	*13h 37m*	*9h 53m*				So, 20. Okt
Mo, 21. Okt	MESZ	20:08 – 20:19	*10m*	AN$_+$ *bis* M$_\nearrow$		20:19	13:38	06:04	*38m*	06:42	*37m*	07:20	*35m*	07:56	*10h 20m*	18:16	*35m*	18:52	*37m*	19:30	*38m*	20:08	*13h 40m*	*9h 57m*				Mo, 21. Okt
Di, 22. Okt	MESZ	20:06 – 21:22	*1h 16m*	AN$_+$ *bis* M$_\nearrow$		21:22	14:39	06:05	*38m*	06:44	*37m*	07:21	*35m*	07:57	*10h 17m*	18:14	*35m*	18:50	*37m*	19:28	*38m*	20:06	*13h 44m*	*10h 00m*				Di, 22. Okt
Mi, 23. Okt	MESZ	20:04 – 22:37	*2h 32m*	AN$_+$ *bis* M$_\nearrow$		22:37	15:22	06:07	*38m*	06:45	*37m*	07:23	*36m*	07:59	*10h 13m*	18:13	*36m*	18:49	*37m*	19:26	*38m*	20:04	*13h 48m*	*10h 04m*				Mi, 23. Okt
Do, 24. Okt	MESZ	20:03 – 23:54	*3h 51m*	AN$_+$ *bis* M$_\nearrow$	◑	23:54	15:51	06:08	*38m*	06:47	*37m*	07:24	*36m*	08:01	*10h 09m*	18:11	*36m*	18:47	*37m*	19:24	*38m*	20:03	*13h 51m*	*10h 07m*				Do, 24. Okt
Fr, 25. Okt	MESZ	20:01 – 01:10*	*5h 09m*	AN$_+$ *bis* M$_\nearrow$		—:—	16:11	06:10	*38m*	06:48	*37m*	07:26	*36m*	08:02	*10h 06m*	18:09	*36m*	18:45	*37m*	19:23	*38m*	20:01	*13h 55m*	*10h 10m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	19:59 – 02:24*	*6h 24m*	AN$_+$ *bis* M$_\nearrow$		01:10	16:26	06:12	*38m*	06:50	*37m*	07:28	*36m*	08:04	*10h 02m*	18:07	*36m*	18:43	*37m*	19:21	*38m*	19:59	*13h 59m*	*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		18:57 – 02:34*	*7h 37m*	AN$_+$ *bis* M↗		01:24	15:38	05:13	*38m*	05:51	*37m*	06:29	*36m*	07:06	*9h 59m*	17:05	*36m*	17:41	*37m*	18:19	*38m*	18:57	*14h 02m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:56 – 03:44*	*8h 47m*	AN$_+$ *bis* M↗		02:34	15:48	05:15	*38m*	05:53	*38m*	06:31	*36m*	07:08	*9h 55m*	17:03	*36m*	17:39	*37m*	18:17	*38m*	18:56	*14h 06m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:54 – 04:52*	*9h 58m*	AN$_+$ *bis* M↗		03:44	15:57	05:16	*38m*	05:54	*38m*	06:33	*36m*	07:09	*9h 51m*	17:01	*36m*	17:38	*38m*	18:16	*38m*	18:54	*14h 09m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:52 – 05:19*	*10h 26m*	AN$_+$ *bis* AN$_-$		04:52	16:07	05:18	*38m*	05:56	*38m*	06:34	*36m*	07:11	*9h 48m*	16:59	*36m*	17:36	*38m*	18:14	*38m*	18:52	*14h 13m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:51 – 05:21*	*10h 30m*	AN$_+$ *bis* AN$_-$		06:02	16:18	05:19	*38m*	05:58	*38m*	06:36	*36m*	07:13	*9h 44m*	16:57	*36m*	17:34	*38m*	18:13	*38m*	18:51	*14h 16m*	*10h 30m*				Do, 31. Okt
Fr, 1. Nov		18:49 – 05:22*	*10h 33m*	AN$_+$ *bis* AN$_-$	●	07:14	16:32	05:21	*38m*	05:59	*38m*	06:37	*36m*	07:14	*9h 41m*	16:56	*36m*	17:33	*38m*	18:11	*38m*	18:49	*14h 20m*	*10h 33m*				Fr, 1. Nov
Sa, 2. Nov		18:48 – 05:24*	*10h 36m*	AN$_+$ *bis* AN$_-$		08:28	16:49	05:22	*38m*	06:01	*38m*	06:39	*37m*	07:16	*9h 37m*	16:54	*37m*	17:31	*38m*	18:09	*38m*	18:48	*14h 23m*	*10h 36m*				Sa, 2. Nov
So, 3. Nov		18:46 – 05:25*	*10h 39m*	AN$_+$ *bis* AN$_-$		09:43	17:13	05:24	*38m*	06:02	*38m*	06:41	*37m*	07:18	*9h 34m*	16:52	*37m*	17:29	*38m*	18:08	*38m*	18:46	*14h 27m*	*10h 39m*				So, 3. Nov
Mo, 4. Nov		18:45 – 05:27*	*10h 42m*	AN$_+$ *bis* AN$_-$		10:56	17:48	05:25	*38m*	06:04	*38m*	06:42	*37m*	07:20	*9h 30m*	16:51	*37m*	17:28	*38m*	18:06	*38m*	18:45	*14h 30m*	*10h 42m*				Mo, 4. Nov
Di, 5. Nov		18:43 – 05:28*	*10h 44m*	AN$_+$ *bis* AN$_-$		12:01	18:36	05:27	*38m*	06:05	*38m*	06:44	*37m*	07:21	*9h 27m*	16:49	*37m*	17:26	*38m*	18:05	*38m*	18:43	*14h 34m*	*10h 44m*				Di, 5. Nov
Mi, 6. Nov		19:39 – 05:30*	*9h 50m*	M↘ *bis* AN$_-$		12:53	19:39	05:28	*38m*	06:07	*38m*	06:46	*37m*	07:23	*9h 24m*	16:47	*37m*	17:25	*38m*	18:03	*38m*	18:42	*14h 37m*	*10h 47m*				Mi, 6. Nov
Do, 7. Nov		20:55 – 05:31*	*8h 36m*	M↘ *bis* AN$_-$		13:31	20:55	05:30	*38m*	06:08	*38m*	06:47	*37m*	07:25	*9h 20m*	16:46	*37m*	17:23	*38m*	18:02	*38m*	18:41	*14h 40m*	*10h 50m*				Do, 7. Nov
Fr, 8. Nov		22:18 – 05:33*	*7h 14m*	M↘ *bis* AN$_-$		13:59	22:18	05:31	*38m*	06:10	*38m*	06:49	*37m*	07:27	*9h 17m*	16:44	*37m*	17:22	*38m*	18:01	*38m*	18:39	*14h 44m*	*10h 53m*				Fr, 8. Nov
Sa, 9. Nov		23:43 – 05:34*	*5h 50m*	M↘ *bis* AN$_-$	◐	14:19	23:43	05:33	*38m*	06:11	*38m*	06:50	*37m*	07:28	*9h 14m*	16:43	*37m*	17:21	*38m*	17:59	*38m*	18:38	*14h 47m*	*10h 56m*				Sa, 9. Nov
So, 10. Nov		01:09* – 05:36*	*4h 26m*	M↘ *bis* AN$_-$		14:36	—:—	05:34	*38m*	06:13	*39m*	06:52	*38m*	07:30	*9h 11m*	16:41	*38m*	17:19	*38m*	17:58	*38m*	18:37	*14h 50m*	*10h 58m*				So, 10. Nov
Mo, 11. Nov		02:36* – 05:37*	*3h 01m*	M↘ *bis* AN$_-$		14:49	01:09	05:36	*38m*	06:14	*39m*	06:53	*38m*	07:32	*9h 07m*	16:40	*38m*	17:18	*39m*	17:57	*38m*	18:36	*14h 53m*	*11h 01m*				Mo, 11. Nov
Di, 12. Nov		04:04* – 05:38*	*1h 34m*	M↘ *bis* AN$_-$		15:02	02:36	05:37	*38m*	06:16	*39m*	06:55	*38m*	07:33	*9h 04m*	16:38	*38m*	17:17	*39m*	17:56	*38m*	18:34	*14h 56m*	*11h 04m*				Di, 12. Nov
Mi, 13. Nov		05:34* – 05:40*	*5m*	M↘ *bis* AN$_-$		15:16	04:04	05:38	*38m*	06:17	*39m*	06:57	*38m*	07:35	*9h 01m*	16:37	*38m*	17:15	*39m*	17:54	*38m*	18:33	*15h 00m*	*11h 06m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:32	05:34	05:40	*38m*	06:19	*39m*	06:58	*38m*	07:37	*8h 58m*	16:35	*38m*	17:14	*39m*	17:53	*38m*	18:32	*15h 03m*	*11h 09m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	15:53	07:08	05:41	*38m*	06:20	*39m*	07:00	*38m*	07:38	*8h 55m*	16:34	*38m*	17:13	*39m*	17:52	*38m*	18:31	*15h 06m*	*11h 11m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:23	08:42	05:43	*38m*	06:22	*39m*	07:01	*38m*	07:40	*8h 52m*	16:33	*38m*	17:12	*39m*	17:51	*38m*	18:30	*15h 09m*	*11h 13m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		17:05	10:10	05:44	*39m*	06:23	*39m*	07:03	*39m*	07:42	*8h 49m*	16:32	*39m*	17:11	*39m*	17:50	*38m*	18:29	*15h 11m*	*11h 16m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		18:03	11:22	05:45	*39m*	06:24	*39m*	07:04	*39m*	07:43	*8h 46m*	16:30	*39m*	17:09	*39m*	17:49	*39m*	18:28	*15h 14m*	*11h 18m*				Mo, 18. Nov
Di, 19. Nov		18:27 – 19:16	*48m*	AN$_+$ *bis* M↗		19:16	12:15	05:47	*39m*	06:26	*39m*	07:06	*39m*	07:45	*8h 44m*	16:29	*39m*	17:08	*39m*	17:48	*39m*	18:27	*15h 17m*	*11h 20m*				Di, 19. Nov
Mi, 20. Nov		18:27 – 20:35	*2h 08m*	AN$_+$ *bis* M↗		20:35	12:50	05:48	*39m*	06:27	*39m*	07:07	*39m*	07:47	*8h 41m*	16:28	*39m*	17:07	*39m*	17:47	*39m*	18:27	*15h 20m*	*11h 22m*				Mi, 20. Nov
Do, 21. Nov		18:26 – 21:54	*3h 28m*	AN$_+$ *bis* M↗		21:54	13:14	05:49	*39m*	06:29	*40m*	07:09	*39m*	07:48	*8h 38m*	16:27	*39m*	17:07	*40m*	17:47	*39m*	18:26	*15h 22m*	*11h 24m*				Do, 21. Nov
Fr, 22. Nov		18:25 – 23:10	*4h 44m*	AN$_+$ *bis* M↗		23:10	13:31	05:51	*39m*	06:30	*40m*	07:10	*39m*	07:50	*8h 36m*	16:26	*39m*	17:06	*40m*	17:46	*39m*	18:25	*15h 25m*	*11h 26m*				Fr, 22. Nov
Sa, 23. Nov		18:24 – 00:22*	*5h 57m*	AN$_+$ *bis* M↗	◑	—:—	13:45	05:52	*39m*	06:31	*40m*	07:12	*39m*	07:51	*8h 33m*	16:25	*39m*	17:05	*40m*	17:45	*39m*	18:24	*15h 28m*	*11h 28m*				Sa, 23. Nov
So, 24. Nov		18:24 – 01:32*	*7h 08m*	AN$_+$ *bis* M↗		00:22	13:56	05:53	*39m*	06:33	*40m*	07:13	*40m*	07:53	*8h 30m*	16:24	*39m*	17:04	*40m*	17:44	*39m*	18:24	*15h 30m*	*11h 30m*				So, 24. Nov
Mo, 25. Nov		18:23 – 02:40*	*8h 17m*	AN$_+$ *bis* M↗		01:32	14:06	05:54	*39m*	06:34	*40m*	07:14	*40m*	07:54	*8h 28m*	16:23	*40m*	17:03	*40m*	17:44	*39m*	18:23	*15h 32m*	*11h 32m*				Mo, 25. Nov
Di, 26. Nov		18:22 – 03:50*	*9h 27m*	AN$_+$ *bis* M↗		02:40	14:15	05:56	*39m*	06:35	*40m*	07:16	*40m*	07:56	*8h 26m*	16:22	*40m*	17:02	*40m*	17:43	*39m*	18:22	*15h 35m*	*11h 34m*				Di, 26. Nov
Mi, 27. Nov		18:22 – 05:01*	*10h 38m*	AN$_+$ *bis* M↗		03:50	14:26	05:57	*39m*	06:37	*40m*	07:17	*40m*	07:57	*8h 23m*	16:21	*40m*	17:02	*40m*	17:42	*39m*	18:22	*15h 37m*	*11h 36m*				Mi, 27. Nov
Do, 28. Nov		18:21 – 05:59*	*11h 37m*	AN$_+$ *bis* AN$_-$		05:01	14:39	05:58	*39m*	06:38	*40m*	07:18	*40m*	07:59	*8h 21m*	16:21	*40m*	17:01	*40m*	17:42	*39m*	18:21	*15h 39m*	*11h 37m*				Do, 28. Nov
Fr, 29. Nov		18:21 – 06:00*	*11h 39m*	AN$_+$ *bis* AN$_-$		06:14	14:55	05:59	*39m*	06:39	*40m*	07:20	*40m*	08:00	*8h 19m*	16:20	*40m*	17:01	*40m*	17:41	*39m*	18:21	*15h 41m*	*11h 39m*				Fr, 29. Nov
Sa, 30. Nov		18:20 – 06:02*	*11h 41m*	AN$_+$ *bis* AN$_-$		07:29	15:17	06:00	*39m*	06:40	*40m*	07:21	*40m*	08:02	*8h 17m*	16:19	*40m*	17:00	*40m*	17:41	*39m*	18:20	*15h 43m*	*11h 41m*				Sa, 30. Nov
So, 1. Dez		18:20 – 06:03*	*11h 42m*	AN$_+$ *bis* AN$_-$	●	08:44	15:48	06:02	*39m*	06:41	*40m*	07:22	*40m*	08:03	*8h 15m*	16:19	*40m*	16:59	*40m*	17:40	*39m*	18:20	*15h 45m*	*11h 42m*				So, 1. Dez
Mo, 2. Dez		18:20 – 06:04*	*11h 44m*	AN$_+$ *bis* AN$_-$		09:52	16:32	06:03	*39m*	06:43	*40m*	07:24	*40m*	08:04	*8h 13m*	16:18	*40m*	16:59	*40m*	17:40	*39m*	18:20	*15h 47m*	*11h 44m*				Mo, 2. Dez
Di, 3. Dez		18:20 – 06:05*	*11h 45m*	AN$_+$ *bis* AN$_-$		10:49	17:32	06:04	*39m*	06:44	*41m*	07:25	*41m*	08:06	*8h 11m*	16:18	*41m*	16:59	*41m*	17:40	*39m*	18:20	*15h 49m*	*11h 45m*				Di, 3. Dez
Mi, 4. Dez		18:45 – 06:06*	*11h 20m*	M↘ *bis* AN$_-$		11:32	18:45	06:05	*39m*	06:45	*41m*	07:26	*41m*	08:07	*8h 10m*	16:17	*41m*	16:58	*41m*	17:39	*39m*	18:19	*15h 51m*	*11h 46m*				Mi, 4. Dez
Do, 5. Dez		20:07 – 06:07*	*10h 00m*	M↘ *bis* AN$_-$		12:03	20:07	06:06	*39m*	06:46	*41m*	07:27	*41m*	08:08	*8h 08m*	16:17	*41m*	16:58	*41m*	17:39	*39m*	18:19	*15h 52m*	*11h 47m*				Do, 5. Dez
Fr, 6. Dez		21:31 – 06:08*	*8h 37m*	M↘ *bis* AN$_-$		12:25	21:31	06:07	*39m*	06:47	*41m*	07:28	*41m*	08:10	*8h 06m*	16:16	*41m*	16:58	*41m*	17:39	*39m*	18:19	*15h 54m*	*11h 48m*				Fr, 6. Dez
Sa, 7. Dez		22:55 – 06:09*	*7h 14m*	M↘ *bis* AN$_-$		12:42	22:55	06:08	*40m*	06:48	*41m*	07:29	*41m*	08:11	*8h 05m*	16:16	*41m*	16:58	*41m*	17:39	*40m*	18:19	*15h 55m*	*11h 49m*				Sa, 7. Dez
So, 8. Dez		00:18* – 06:10*	*5h 51m*	M↘ *bis* AN$_-$	◐	12:56	—:—	06:09	*40m*	06:49	*41m*	07:30	*41m*	08:12	*8h 04m*	16:16	*41m*	16:57	*41m*	17:39	*40m*	18:19	*15h 57m*	*11h 50m*				So, 8. Dez
Mo, 9. Dez		01:42* – 06:11*	*4h 28m*	M↘ *bis* AN$_-$		13:08	00:18	06:10	*40m*	06:50	*41m*	07:31	*41m*	08:13	*8h 02m*	16:16	*41m*	16:57	*41m*	17:39	*40m*	18:19	*15h 58m*	*11h 51m*				Mo, 9. Dez
Di, 10. Dez		03:08* – 06:12*	*3h 03m*	M↘ *bis* AN$_-$		13:21	01:42	06:11	*40m*	06:51	*41m*	07:32	*41m*	08:14	*8h 01m*	16:16	*41m*	16:57	*41m*	17:39	*40m*	18:19	*15h 59m*	*11h 52m*				Di, 10. Dez
Mi, 11. Dez		04:37* – 06:12*	*1h 35m*	M↘ *bis* AN$_-$		13:36	03:08	06:12	*40m*	06:52	*41m*	07:33	*41m*	08:15	*8h 00m*	16:15	*41m*	16:57	*41m*	17:39	*40m*	18:19	*16h 00m*	*11h 53m*				Mi, 11. Dez
Do, 12. Dez		06:09* – 06:13*	*4m*	M↘ *bis* AN$_-$		13:54	04:37	06:12	*40m*	06:53	*41m*	07:34	*41m*	08:16	*7h 59m*	16:15	*41m*	16:57	*41m*	17:39	*40m*	18:19	*16h 01m*	*11h 54m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:18	06:09	06:13	*40m*	06:53	*41m*	07:35	*41m*	08:17	*7h 58m*	16:16	*41m*	16:57	*41m*	17:39	*40m*	18:19	*16h 02m*	*11h 54m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		14:53	07:39	06:14	*40m*	06:54	*41m*	07:36	*41m*	08:18	*7h 57m*	16:16	*41m*	16:58	*41m*	17:39	*40m*	18:19	*16h 02m*	*11h 55m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	15:44	08:59	06:15	*40m*	06:55	*41m*	07:37	*41m*	08:19	*7h 57m*	16:16	*41m*	16:58	*41m*	17:39	*40m*	18:20	*16h 03m*	*11h 55m*				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		16:51	10:01	06:15	*40m*	06:56	*41m*	07:37	*42m*	08:19	*7h 56m*	16:16	*42m*	16:58	*41m*	17:40	*40m*	18:20	*16h 04m*	*11h 56m*				Mo, 16. Dez
Di, 17. Dez		—:——:—	–	Mond stört		18:09	10:45	06:16	*40m*	06:56	*41m*	07:38	*42m*	08:20	*7h 56m*	16:16	*42m*	16:58	*41m*	17:40	*40m*	18:20	*16h 04m*	*11h 56m*				Di, 17. Dez
Mi, 18. Dez		18:21 – 19:30	*1h 09m*	AN_+ *bis* $M_↗$		19:30	11:14	06:17	*40m*	06:57	*41m*	07:39	*42m*	08:21	*7h 55m*	16:17	*42m*	16:59	*41m*	17:40	*40m*	18:21	*16h 04m*	*11h 56m*				Mi, 18. Dez
Do, 19. Dez		18:21 – 20:50	*2h 28m*	AN_+ *bis* $M_↗$		20:50	11:35	06:17	*40m*	06:58	*41m*	07:39	*42m*	08:21	*7h 55m*	16:17	*42m*	16:59	*41m*	17:41	*40m*	18:21	*16h 05m*	*11h 56m*				Do, 19. Dez
Fr, 20. Dez		18:21 – 22:05	*3h 43m*	AN_+ *bis* $M_↗$		22:05	11:50	06:18	*40m*	06:58	*41m*	07:40	*42m*	08:22	*7h 55m*	16:17	*42m*	16:59	*41m*	17:41	*40m*	18:21	*16h 05m*	*11h 56m*				Fr, 20. Dez
Sa, 21. Dez		18:22 – 23:17	*4h 54m*	AN_+ *bis* $M_↗$		23:17	12:02	06:18	*40m*	06:59	*41m*	07:40	*42m*	08:22	*7h 55m*	16:18	*42m*	17:00	*41m*	17:42	*40m*	18:22	*16h 05m*	*11h 56m*				Sa, 21. Dez
So, 22. Dez		18:22 – 00:26*	*6h 03m*	AN_+ *bis* $M_↗$	◑	—:—	12:12	06:19	*40m*	06:59	*41m*	07:41	*42m*	08:23	*7h 55m*	16:18	*42m*	17:00	*41m*	17:42	*40m*	18:22	*16h 05m*	*11h 56m*				So, 22. Dez
Mo, 23. Dez		18:23 – 01:35*	*7h 12m*	AN_+ *bis* $M_↗$		00:26	12:22	06:19	*40m*	07:00	*41m*	07:41	*42m*	08:23	*7h 55m*	16:19	*42m*	17:01	*41m*	17:43	*40m*	18:23	*16h 04m*	*11h 56m*				Mo, 23. Dez
Di, 24. Dez		18:24 – 02:45*	*8h 21m*	AN_+ *bis* $M_↗$		01:35	12:32	06:20	*40m*	07:00	*41m*	07:42	*42m*	08:24	*7h 55m*	16:20	*42m*	17:02	*41m*	17:43	*40m*	18:24	*16h 04m*	*11h 56m*				Di, 24. Dez
Mi, 25. Dez		18:24 – 03:57*	*9h 33m*	AN_+ *bis* $M_↗$		02:45	12:44	06:20	*40m*	07:00	*41m*	07:42	*42m*	08:24	*7h 56m*	16:20	*42m*	17:02	*41m*	17:44	*40m*	18:24	*16h 04m*	*11h 56m*				Mi, 25. Dez
Do, 26. Dez		18:25 – 05:12*	*10h 46m*	AN_+ *bis* $M_↗$		03:57	12:59	06:20	*40m*	07:01	*41m*	07:42	*42m*	08:24	*7h 56m*	16:21	*42m*	17:03	*41m*	17:45	*40m*	18:25	*16h 03m*	*11h 55m*				Do, 26. Dez
Fr, 27. Dez		18:26 – 06:21*	*11h 55m*	AN_+ *bis* AN_-		05:12	13:18	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:25	*7h 57m*	16:22	*41m*	17:04	*41m*	17:45	*40m*	18:26	*16h 02m*	*11h 55m*				Fr, 27. Dez
Sa, 28. Dez		18:26 – 06:21*	*11h 54m*	AN_+ *bis* AN_-		06:27	13:46	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:25	*7h 57m*	16:23	*41m*	17:05	*41m*	17:46	*40m*	18:26	*16h 02m*	*11h 54m*				Sa, 28. Dez
So, 29. Dez		18:27 – 06:21*	*11h 54m*	AN_+ *bis* AN_-		07:39	14:25	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:25	*7h 58m*	16:24	*41m*	17:05	*41m*	17:47	*40m*	18:27	*16h 01m*	*11h 54m*				So, 29. Dez
Mo, 30. Dez		18:28 – 06:21*	*11h 53m*	AN_+ *bis* AN_-	●	08:41	15:20	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:25	*7h 59m*	16:25	*41m*	17:06	*41m*	17:48	*40m*	18:28	*16h 00m*	*11h 53m*				Mo, 30. Dez
Di, 31. Dez		18:29 – 06:21*	*11h 52m*	AN_+ *bis* AN_-		09:30	16:31	06:21	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 00m*	16:26	*41m*	17:07	*41m*	17:49	*40m*	18:29	*15h 59m*	*11h 52m*				Di, 31. Dez
Mi, 1. Jan		18:30 – 06:22*	*11h 51m*	AN_+ *bis* AN_-		10:05	17:52	06:21	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 01m*	16:27	*41m*	17:08	*41m*	17:50	*40m*	18:30	*15h 58m*	*11h 51m*				Mi, 1. Jan
Do, 2. Jan		19:17 – 06:22*	*11h 04m*	$M_↘$ *bis* AN_-		10:29	19:17	06:22	*40m*	07:02	*41m*	07:43	*41m*	08:25	*8h 02m*	16:28	*41m*	17:09	*41m*	17:51	*40m*	18:31	*15h 56m*	*11h 50m*				Do, 2. Jan
Fr, 3. Jan		20:43 – 06:21*	*9h 38m*	$M_↘$ *bis* AN_-		10:48	20:43	06:22	*40m*	07:02	*41m*	07:43	*41m*	08:24	*8h 04m*	16:29	*41m*	17:10	*41m*	17:52	*40m*	18:32	*15h 55m*	*11h 49m*				Fr, 3. Jan
Sa, 4. Jan		22:07 – 06:21*	*8h 14m*	$M_↘$ *bis* AN_-		11:03	22:07	06:21	*40m*	07:01	*41m*	07:43	*41m*	08:24	*8h 05m*	16:30	*41m*	17:11	*41m*	17:53	*40m*	18:33	*15h 54m*	*11h 48m*				Sa, 4. Jan
So, 5. Jan		23:30 – 06:21*	*6h 51m*	$M_↘$ *bis* AN_-		11:16	23:30	06:21	*39m*	07:01	*41m*	07:43	*41m*	08:24	*8h 07m*	16:31	*41m*	17:12	*41m*	17:54	*39m*	18:34	*15h 52m*	*11h 47m*				So, 5. Jan
Mo, 6. Jan		00:54* – 06:21*	*5h 27m*	$M_↘$ *bis* AN_-		11:28	—:—	06:21	*39m*	07:01	*41m*	07:42	*41m*	08:24	*8h 08m*	16:32	*41m*	17:14	*41m*	17:55	*39m*	18:35	*15h 50m*	*11h 46m*				Mo, 6. Jan
Di, 7. Jan		02:20* – 06:21*	*4h 00m*	$M_↘$ *bis* AN_-	◐	11:42	00:54	06:21	*39m*	07:01	*41m*	07:42	*41m*	08:23	*8h 10m*	16:34	*41m*	17:15	*41m*	17:56	*39m*	18:36	*15h 49m*	*11h 45m*				Di, 7. Jan
Mi, 8. Jan		03:48* – 06:21*	*2h 32m*	$M_↘$ *bis* AN_-		11:58	02:20	06:21	*39m*	07:01	*41m*	07:42	*41m*	08:23	*8h 12m*	16:35	*41m*	17:16	*41m*	17:57	*39m*	18:37	*15h 47m*	*11h 43m*				Mi, 8. Jan
Do, 9. Jan		05:16* – 06:20*	*1h 03m*	$M_↘$ *bis* AN_-		12:19	03:48	06:21	*39m*	07:00	*40m*	07:41	*40m*	08:22	*8h 14m*	16:36	*40m*	17:17	*40m*	17:58	*39m*	18:38	*15h 45m*	*11h 42m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		12:48	05:16	06:20	*39m*	07:00	*40m*	07:41	*40m*	08:22	*8h 15m*	16:38	*40m*	17:18	*40m*	17:59	*39m*	18:39	*15h 43m*	*11h 40m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:31	06:39	06:20	*39m*	07:00	*40m*	07:40	*40m*	08:21	*8h 17m*	16:39	*40m*	17:20	*40m*	18:01	*39m*	18:40	*15h 41m*	*11h 39m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:30	07:48	06:19	*39m*	06:59	*40m*	07:40	*40m*	08:20	*8h 20m*	16:40	*40m*	17:21	*40m*	18:02	*39m*	18:41	*15h 39m*	*11h 37m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	15:44	08:38	06:19	*39m*	06:59	*40m*	07:39	*40m*	08:20	*8h 22m*	16:42	*40m*	17:22	*40m*	18:03	*39m*	18:43	*15h 37m*	*11h 35m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		17:05	09:13	06:19	*39m*	06:58	*40m*	07:39	*40m*	08:19	*8h 24m*	16:43	*40m*	17:24	*40m*	18:04	*39m*	18:44	*15h 34m*	*11h 34m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:26	09:37	06:18	*39m*	06:58	*40m*	07:38	*40m*	08:18	*8h 26m*	16:45	*40m*	17:25	*40m*	18:06	*39m*	18:45	*15h 32m*	*11h 32m*				Mi, 15. Jan
Do, 16. Jan		18:46 – 19:44	*57m*	AN_+ *bis* $M_↗$		19:44	09:54	06:17	*39m*	06:57	*40m*	07:37	*40m*	08:17	*8h 29m*	16:46	*40m*	17:27	*40m*	18:07	*39m*	18:46	*15h 29m*	*11h 30m*				Do, 16. Jan
Fr, 17. Jan		18:48 – 20:58	*2h 10m*	AN_+ *bis* $M_↗$		20:58	10:07	06:17	*39m*	06:56	*40m*	07:36	*39m*	08:16	*8h 31m*	16:48	*39m*	17:28	*40m*	18:08	*39m*	18:48	*15h 27m*	*11h 28m*				Fr, 17. Jan
Sa, 18. Jan		18:49 – 22:09	*3h 20m*	AN_+ *bis* $M_↗$		22:09	10:18	06:16	*39m*	06:55	*40m*	07:36	*39m*	08:15	*8h 34m*	16:50	*39m*	17:29	*40m*	18:10	*39m*	18:49	*15h 24m*	*11h 26m*				Sa, 18. Jan
So, 19. Jan		18:50 – 23:19	*4h 28m*	AN_+ *bis* $M_↗$		23:19	10:28	06:15	*39m*	06:55	*40m*	07:35	*39m*	08:14	*8h 36m*	16:51	*39m*	17:31	*40m*	18:11	*39m*	18:50	*15h 22m*	*11h 24m*				So, 19. Jan
Mo, 20. Jan		18:52 – 00:29*	*5h 37m*	AN_+ *bis* $M_↗$		—:—	10:39	06:15	*39m*	06:54	*39m*	07:34	*39m*	08:13	*8h 39m*	16:53	*39m*	17:32	*40m*	18:12	*39m*	18:52	*15h 19m*	*11h 22m*				Mo, 20. Jan
Di, 21. Jan		18:53 – 01:40*	*6h 46m*	AN_+ *bis* $M_↗$	◑	00:29	10:50	06:14	*39m*	06:53	*39m*	07:33	*39m*	08:12	*8h 42m*	16:55	*39m*	17:34	*39m*	18:14	*39m*	18:53	*15h 16m*	*11h 20m*				Di, 21. Jan
Mi, 22. Jan		18:54 – 02:53*	*7h 58m*	AN_+ *bis* $M_↗$		01:40	11:03	06:13	*39m*	06:52	*39m*	07:32	*39m*	08:11	*8h 44m*	16:56	*39m*	17:36	*39m*	18:15	*39m*	18:54	*15h 13m*	*11h 17m*				Mi, 22. Jan
Do, 23. Jan		18:56 – 04:08*	*9h 11m*	AN_+ *bis* $M_↗$		02:53	11:20	06:12	*39m*	06:51	*39m*	07:31	*39m*	08:10	*8h 47m*	16:58	*39m*	17:37	*39m*	18:17	*39m*	18:56	*15h 11m*	*11h 15m*				Do, 23. Jan
Fr, 24. Jan		18:57 – 05:21*	*10h 23m*	AN_+ *bis* $M_↗$		04:08	11:43	06:11	*38m*	06:50	*39m*	07:30	*38m*	08:09	*8h 50m*	17:00	*39m*	17:39	*39m*	18:18	*39m*	18:57	*15h 08m*	*11h 13m*				Fr, 24. Jan
Sa, 25. Jan		18:59 – 06:09*	*11h 10m*	AN_+ *bis* AN_-		05:21	12:16	06:10	*38m*	06:49	*39m*	07:29	*38m*	08:08	*8h 53m*	17:01	*38m*	17:40	*39m*	18:20	*38m*	18:59	*15h 05m*	*11h 10m*				Sa, 25. Jan
So, 26. Jan		19:00 – 06:08*	*11h 08m*	AN_+ *bis* AN_-		06:28	13:04	06:09	*38m*	06:48	*39m*	07:28	*38m*	08:06	*8h 56m*	17:03	*38m*	17:42	*39m*	18:21	*38m*	19:00	*15h 02m*	*11h 08m*				So, 26. Jan
Mo, 27. Jan		19:02 – 06:07*	*11h 05m*	AN_+ *bis* AN_-		07:22	14:09	06:08	*38m*	06:47	*39m*	07:27	*38m*	08:05	*8h 59m*	17:05	*38m*	17:43	*39m*	18:23	*38m*	19:02	*14h 58m*	*11h 05m*				Mo, 27. Jan
Di, 28. Jan		19:03 – 06:06*	*11h 03m*	AN_+ *bis* AN_-		08:03	15:27	06:07	*38m*	06:46	*39m*	07:25	*38m*	08:04	*9h 02m*	17:07	*38m*	17:45	*39m*	18:24	*38m*	19:03	*14h 55m*	*11h 03m*				Di, 28. Jan
Mi, 29. Jan		19:05 – 06:05*	*11h 00m*	AN_+ *bis* AN_-	●	08:32	16:54	06:06	*38m*	06:45	*39m*	07:24	*38m*	08:02	*9h 05m*	17:08	*38m*	17:47	*39m*	18:26	*38m*	19:05	*14h 52m*	*11h 00m*				Mi, 29. Jan
Do, 30. Jan		19:06 – 06:04*	*10h 57m*	AN_+ *bis* AN_-		08:53	18:22	06:05	*38m*	06:44	*39m*	07:23	*38m*	08:01	*9h 09m*	17:10	*38m*	17:48	*39m*	18:27	*38m*	19:06	*14h 49m*	*10h 57m*				Do, 30. Jan
Fr, 31. Jan		19:49 – 06:03*	*10h 13m*	$M_↘$ *bis* AN_-		09:09	19:49	06:04	*38m*	06:42	*38m*	07:21	*38m*	07:59	*9h 12m*	17:12	*38m*	17:50	*38m*	18:29	*38m*	19:08	*14h 46m*	*10h 55m*				Fr, 31. Jan
Sa, 1. Feb		21:15 – 06:01*	*8h 46m*	$M_↘$ *bis* AN_-		09:23	21:15	06:03	*38m*	06:41	*38m*	07:20	*37m*	07:58	*9h 15m*	17:14	*37m*	17:52	*38m*	18:30	*38m*	19:09	*14h 42m*	*10h 52m*				Sa, 1. Feb
So, 2. Feb		22:41 – 06:00*	*7h 19m*	$M_↘$ *bis* AN_-		09:35	22:41	06:01	*38m*	06:40	*38m*	07:19	*37m*	07:56	*9h 18m*	17:15	*37m*	17:53	*38m*	18:32	*38m*	19:11	*14h 39m*	*10h 49m*				So, 2. Feb
Mo, 3. Feb		00:07* – 05:59*	*5h 51m*	$M_↘$ *bis* AN_-		09:49	—:—	06:00	*38m*	06:39	*38m*	07:17	*37m*	07:55	*9h 22m*	17:17	*37m*	17:55	*38m*	18:34	*38m*	19:12	*14h 36m*	*10h 46m*				Mo, 3. Feb