Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Aichach 48.4628° N 11.1306° 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		18:26 – 22:09	*3h 42m*	AN$_+$ *bis* M↗		22:09	11:15	06:10	*38m*	06:48	*39m*	07:28	*38m*	08:06	*8h 24m*	16:30	*38m*	17:09	*39m*	17:48	*38m*	18:26	*15h 35m*	*11h 44m*				Mo, 1. Jan
Di, 2. Jan		18:27 – 23:15	*4h 48m*	AN$_+$ *bis* M↗		23:15	11:29	06:11	*37m*	06:49	*38m*	07:28	*38m*	08:06	*8h 25m*	16:31	*38m*	17:10	*38m*	17:49	*37m*	18:27	*15h 34m*	*11h 43m*				Di, 2. Jan
Mi, 3. Jan		18:28 – 00:22*	*5h 53m*	AN$_+$ *bis* M↗		—:—	11:42	06:11	*37m*	06:49	*38m*	07:28	*38m*	08:06	*8h 26m*	16:32	*38m*	17:11	*38m*	17:50	*37m*	18:28	*15h 33m*	*11h 42m*				Mi, 3. Jan
Do, 4. Jan		18:29 – 01:30*	*7h 01m*	AN$_+$ *bis* M↗	◑	00:22	11:55	06:11	*37m*	06:49	*38m*	07:27	*38m*	08:06	*8h 27m*	16:33	*38m*	17:12	*38m*	17:51	*37m*	18:29	*15h 32m*	*11h 41m*				Do, 4. Jan
Fr, 5. Jan		18:30 – 02:41*	*8h 11m*	AN$_+$ *bis* M↗		01:30	12:09	06:11	*37m*	06:49	*38m*	07:27	*38m*	08:06	*8h 28m*	16:35	*38m*	17:13	*38m*	17:52	*37m*	18:30	*15h 31m*	*11h 40m*				Fr, 5. Jan
Sa, 6. Jan		18:31 – 03:56*	*9h 25m*	AN$_+$ *bis* M↗		02:41	12:26	06:11	*37m*	06:48	*38m*	07:27	*38m*	08:06	*8h 29m*	16:36	*38m*	17:14	*38m*	17:53	*37m*	18:31	*15h 29m*	*11h 39m*				Sa, 6. Jan
So, 7. Jan		18:32 – 05:14*	*10h 42m*	AN$_+$ *bis* M↗		03:56	12:49	06:10	*37m*	06:48	*38m*	07:27	*38m*	08:05	*8h 31m*	16:37	*38m*	17:15	*38m*	17:54	*37m*	18:32	*15h 28m*	*11h 38m*				So, 7. Jan
Mo, 8. Jan		18:33 – 06:10*	*11h 37m*	AN$_+$ *bis* AN$_-$		05:14	13:19	06:10	*37m*	06:48	*38m*	07:27	*38m*	08:05	*8h 32m*	16:38	*38m*	17:16	*38m*	17:55	*37m*	18:33	*15h 26m*	*11h 37m*				Mo, 8. Jan
Di, 9. Jan		18:34 – 06:10*	*11h 36m*	AN$_+$ *bis* AN$_-$		06:31	14:02	06:10	*37m*	06:48	*38m*	07:27	*38m*	08:05	*8h 34m*	16:39	*38m*	17:17	*38m*	17:56	*37m*	18:34	*15h 25m*	*11h 36m*				Di, 9. Jan
Mi, 10. Jan		18:35 – 06:10*	*11h 34m*	AN$_+$ *bis* AN$_-$		07:41	15:01	06:10	*37m*	06:48	*38m*	07:26	*38m*	08:04	*8h 36m*	16:40	*38m*	17:19	*38m*	17:57	*37m*	18:35	*15h 23m*	*11h 34m*				Mi, 10. Jan
Do, 11. Jan		18:36 – 06:09*	*11h 33m*	AN$_+$ *bis* AN$_-$	●	08:38	16:17	06:10	*37m*	06:47	*38m*	07:26	*38m*	08:04	*8h 37m*	16:42	*38m*	17:20	*38m*	17:58	*37m*	18:36	*15h 21m*	*11h 33m*				Do, 11. Jan
Fr, 12. Jan		18:37 – 06:09*	*11h 31m*	AN$_+$ *bis* AN$_-$		09:19	17:44	06:09	*37m*	06:47	*38m*	07:25	*37m*	08:03	*8h 39m*	16:43	*37m*	17:21	*38m*	17:59	*37m*	18:37	*15h 19m*	*11h 31m*				Fr, 12. Jan
Sa, 13. Jan		19:13 – 06:09*	*10h 55m*	M↘ *bis* AN$_-$		09:50	19:13	06:09	*37m*	06:47	*38m*	07:25	*37m*	08:03	*8h 41m*	16:44	*37m*	17:22	*38m*	18:01	*37m*	18:38	*15h 17m*	*11h 30m*				Sa, 13. Jan
So, 14. Jan		20:40 – 06:08*	*9h 27m*	M↘ *bis* AN$_-$		10:13	20:40	06:09	*37m*	06:46	*38m*	07:25	*37m*	08:02	*8h 43m*	16:46	*37m*	17:24	*38m*	18:02	*37m*	18:39	*15h 15m*	*11h 28m*				So, 14. Jan
Mo, 15. Jan		22:04 – 06:08*	*8h 03m*	M↘ *bis* AN$_-$		10:32	22:04	06:08	*37m*	06:46	*38m*	07:24	*37m*	08:02	*8h 45m*	16:47	*37m*	17:25	*38m*	18:03	*37m*	18:41	*15h 13m*	*11h 27m*				Mo, 15. Jan
Di, 16. Jan		23:26 – 06:07*	*6h 41m*	M↘ *bis* AN$_-$		10:48	23:26	06:08	*37m*	06:45	*38m*	07:23	*37m*	08:01	*8h 47m*	16:49	*37m*	17:26	*38m*	18:04	*37m*	18:42	*15h 11m*	*11h 25m*				Di, 16. Jan
Mi, 17. Jan		00:46* – 06:07*	*5h 20m*	M↘ *bis* AN$_-$		11:04	—:—	06:07	*37m*	06:45	*38m*	07:23	*37m*	08:00	*8h 49m*	16:50	*37m*	17:27	*38m*	18:05	*37m*	18:43	*15h 09m*	*11h 23m*				Mi, 17. Jan
Do, 18. Jan		02:06* – 06:06*	*3h 59m*	M↘ *bis* AN$_-$	◐	11:21	00:46	06:07	*37m*	06:44	*37m*	07:22	*37m*	07:59	*8h 51m*	16:51	*37m*	17:29	*37m*	18:07	*37m*	18:44	*15h 07m*	*11h 22m*				Do, 18. Jan
Fr, 19. Jan		03:26* – 06:06*	*2h 39m*	M↘ *bis* AN$_-$		11:41	02:06	06:06	*37m*	06:43	*37m*	07:21	*37m*	07:59	*8h 54m*	16:53	*37m*	17:30	*37m*	18:08	*37m*	18:45	*15h 04m*	*11h 20m*				Fr, 19. Jan
Sa, 20. Jan		04:43* – 06:05*	*1h 21m*	M↘ *bis* AN$_-$		12:06	03:26	06:06	*37m*	06:43	*37m*	07:21	*37m*	07:58	*8h 56m*	16:54	*37m*	17:31	*37m*	18:09	*37m*	18:47	*15h 02m*	*11h 18m*				Sa, 20. Jan
So, 21. Jan		05:54* – 06:04*	*10m*	M↘ *bis* AN$_-$		12:38	04:43	06:05	*37m*	06:42	*37m*	07:20	*37m*	07:57	*8h 58m*	16:56	*37m*	17:33	*37m*	18:11	*37m*	18:48	*15h 00m*	*11h 16m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:20	05:54	06:04	*37m*	06:41	*37m*	07:19	*36m*	07:56	*9h 01m*	16:57	*36m*	17:34	*37m*	18:12	*37m*	18:49	*14h 57m*	*11h 14m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:14	06:54	06:04	*37m*	06:41	*37m*	07:18	*36m*	07:55	*9h 03m*	16:59	*36m*	17:36	*37m*	18:13	*37m*	18:50	*14h 55m*	*11h 12m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:18	07:42	06:03	*37m*	06:40	*37m*	07:17	*36m*	07:54	*9h 06m*	17:00	*36m*	17:37	*37m*	18:15	*37m*	18:52	*14h 52m*	*11h 10m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:28	08:18	06:02	*36m*	06:39	*37m*	07:16	*36m*	07:53	*9h 09m*	17:02	*36m*	17:39	*37m*	18:16	*36m*	18:53	*14h 49m*	*11h 08m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:39	08:44	06:01	*36m*	06:38	*37m*	07:15	*36m*	07:52	*9h 11m*	17:04	*36m*	17:40	*37m*	18:17	*36m*	18:54	*14h 47m*	*11h 05m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:49	09:05	06:00	*36m*	06:37	*37m*	07:14	*36m*	07:51	*9h 14m*	17:05	*36m*	17:41	*37m*	18:19	*36m*	18:56	*14h 44m*	*11h 03m*				Sa, 27. Jan
So, 28. Jan		18:57 – 19:57	*59m*	AN$_+$ *bis* M↗		19:57	09:21	05:59	*36m*	06:36	*37m*	07:13	*36m*	07:49	*9h 17m*	17:07	*36m*	17:43	*37m*	18:20	*36m*	18:57	*14h 41m*	*11h 01m*				So, 28. Jan
Mo, 29. Jan		18:58 – 21:03	*2h 05m*	AN$_+$ *bis* M↗		21:03	09:35	05:58	*36m*	06:35	*37m*	07:12	*36m*	07:48	*9h 20m*	17:08	*36m*	17:44	*37m*	18:21	*36m*	18:58	*14h 38m*	*10h 58m*				Mo, 29. Jan
Di, 30. Jan		19:00 – 22:09	*3h 09m*	AN$_+$ *bis* M↗		22:09	09:48	05:57	*36m*	06:34	*37m*	07:11	*35m*	07:47	*9h 22m*	17:10	*35m*	17:46	*37m*	18:23	*36m*	19:00	*14h 35m*	*10h 56m*				Di, 30. Jan
Mi, 31. Jan		19:01 – 23:16	*4h 15m*	AN$_+$ *bis* M↗		23:16	10:00	05:56	*36m*	06:33	*36m*	07:10	*35m*	07:46	*9h 25m*	17:11	*35m*	17:47	*36m*	18:24	*36m*	19:01	*14h 32m*	*10h 54m*				Mi, 31. Jan
Do, 1. Feb		19:02 – 00:25*	*5h 22m*	AN$_+$ *bis* M↗		—:—	10:14	05:55	*36m*	06:32	*36m*	07:09	*35m*	07:44	*9h 28m*	17:13	*35m*	17:49	*36m*	18:26	*36m*	19:02	*14h 29m*	*10h 51m*				Do, 1. Feb
Fr, 2. Feb		19:04 – 01:37*	*6h 32m*	AN$_+$ *bis* M↗		00:25	10:29	05:54	*36m*	06:31	*36m*	07:07	*35m*	07:43	*9h 31m*	17:15	*35m*	17:50	*36m*	18:27	*36m*	19:04	*14h 26m*	*10h 49m*				Fr, 2. Feb
Sa, 3. Feb		19:05 – 02:52*	*7h 46m*	AN$_+$ *bis* M↗	◑	01:37	10:48	05:53	*36m*	06:29	*36m*	07:06	*35m*	07:42	*9h 34m*	17:16	*35m*	17:52	*36m*	18:29	*36m*	19:05	*14h 23m*	*10h 46m*				Sa, 3. Feb
So, 4. Feb		19:07 – 04:08*	*9h 01m*	AN$_+$ *bis* M↗		02:52	11:14	05:52	*36m*	06:28	*36m*	07:05	*35m*	07:40	*9h 37m*	17:18	*35m*	17:53	*36m*	18:30	*36m*	19:07	*14h 20m*	*10h 43m*				So, 4. Feb
Mo, 5. Feb		19:08 – 05:20*	*10h 12m*	AN$_+$ *bis* M↗		04:08	11:49	05:51	*36m*	06:27	*36m*	07:04	*35m*	07:39	*9h 40m*	17:20	*35m*	17:55	*36m*	18:31	*36m*	19:08	*14h 17m*	*10h 41m*				Mo, 5. Feb
Di, 6. Feb		19:09 – 05:48*	*10h 38m*	AN$_+$ *bis* AN$_-$		05:20	12:39	05:49	*36m*	06:26	*36m*	07:02	*35m*	07:37	*9h 43m*	17:21	*35m*	17:56	*36m*	18:33	*36m*	19:09	*14h 14m*	*10h 38m*				Di, 6. Feb
Mi, 7. Feb		19:11 – 05:47*	*10h 35m*	AN$_+$ *bis* AN$_-$		06:22	13:46	05:48	*36m*	06:24	*36m*	07:01	*35m*	07:36	*9h 46m*	17:23	*35m*	17:58	*36m*	18:34	*36m*	19:11	*14h 11m*	*10h 35m*				Mi, 7. Feb
Do, 8. Feb		19:12 – 05:45*	*10h 33m*	AN$_+$ *bis* AN$_-$		07:11	15:08	05:47	*36m*	06:23	*36m*	06:59	*34m*	07:34	*9h 50m*	17:24	*35m*	17:59	*36m*	18:36	*36m*	19:12	*14h 08m*	*10h 33m*				Do, 8. Feb
Fr, 9. Feb		19:14 – 05:44*	*10h 30m*	AN$_+$ *bis* AN$_-$	●	07:47	16:38	05:45	*36m*	06:22	*36m*	06:58	*34m*	07:33	*9h 53m*	17:26	*34m*	18:01	*36m*	18:37	*36m*	19:14	*14h 05m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:15 – 05:43*	*10h 27m*	AN$_+$ *bis* AN$_-$		08:13	18:09	05:44	*36m*	06:20	*36m*	06:56	*34m*	07:31	*9h 56m*	17:28	*34m*	18:03	*36m*	18:39	*36m*	19:15	*14h 01m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:38 – 05:41*	*10h 02m*	M↘ *bis* AN$_-$		08:34	19:38	05:43	*36m*	06:19	*36m*	06:55	*34m*	07:30	*9h 59m*	17:29	*34m*	18:04	*36m*	18:40	*36m*	19:17	*13h 58m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		21:04 – 05:40*	*8h 35m*	M↘ *bis* AN$_-$		08:52	21:04	05:41	*36m*	06:17	*36m*	06:53	*34m*	07:28	*10h 02m*	17:31	*34m*	18:06	*36m*	18:42	*36m*	19:18	*13h 55m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:29 – 05:38*	*7h 09m*	M↘ *bis* AN$_-$		09:09	22:29	05:40	*36m*	06:16	*36m*	06:52	*34m*	07:26	*10h 06m*	17:33	*34m*	18:07	*36m*	18:43	*36m*	19:20	*13h 52m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		23:52 – 05:37*	*5h 44m*	M↘ *bis* AN$_-$		09:26	23:52	05:38	*36m*	06:14	*35m*	06:50	*34m*	07:25	*10h 09m*	17:34	*34m*	18:09	*36m*	18:45	*36m*	19:21	*13h 48m*	*10h 15m*				Mi, 14. Feb
Do, 15. Feb		01:14* – 05:35*	*4h 21m*	M↘ *bis* AN$_-$		09:45	—:—	05:37	*36m*	06:13	*35m*	06:49	*34m*	07:23	*10h 12m*	17:36	*34m*	18:10	*35m*	18:46	*36m*	19:22	*13h 45m*	*10h 12m*				Do, 15. Feb
Fr, 16. Feb		02:34* – 05:33*	*2h 59m*	M↘ *bis* AN$_-$	◐	10:08	01:14	05:35	*36m*	06:11	*35m*	06:47	*34m*	07:21	*10h 16m*	17:37	*34m*	18:12	*35m*	18:48	*36m*	19:24	*13h 42m*	*10h 09m*				Fr, 16. Feb
Sa, 17. Feb		03:48* – 05:32*	*1h 44m*	M↘ *bis* AN$_-$		10:38	02:34	05:33	*36m*	06:10	*35m*	06:45	*34m*	07:20	*10h 19m*	17:39	*34m*	18:13	*35m*	18:49	*36m*	19:25	*13h 38m*	*10h 06m*				Sa, 17. Feb
So, 18. Feb		04:51* – 05:30*	*38m*	M↘ *bis* AN$_-$		11:17	03:48	05:32	*36m*	06:08	*35m*	06:44	*34m*	07:18	*10h 22m*	17:41	*34m*	18:15	*35m*	18:51	*36m*	19:27	*13h 35m*	*10h 03m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		12:08	04:51	05:30	*36m*	06:06	*35m*	06:42	*34m*	07:16	*10h 26m*	17:42	*34m*	18:16	*35m*	18:52	*36m*	19:28	*13h 31m*	*10h 00m*				Mo, 19. Feb

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

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

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

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