Mond- und Dämmerungstabelle 2023

für die visuelle Deep-Sky-Beobachtung

Göppingen 48.7025° N 9.6528° 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
So, 1. Jan		04:00* – 06:17*	*2h 16m*	M↘ *bis* AN−		12:59	02:47	06:17	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 22m*	16:36	*39m*	17:15	*39m*	17:54	*38m*	18:32	*15h 37m*	*11h 44m*				So, 1. Jan
Mo, 2. Jan		05:12* – 06:17*	*1h 04m*	M↘ *bis* AN−		13:19	04:00	06:17	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 23m*	16:37	*39m*	17:16	*39m*	17:55	*38m*	18:33	*15h 36m*	*11h 44m*				Mo, 2. Jan
Di, 3. Jan		—:— – —:—	–	Mond stört		13:44	05:12	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 24m*	16:38	*38m*	17:16	*39m*	17:56	*38m*	18:34	*15h 35m*	*11h 43m*				Di, 3. Jan
Mi, 4. Jan		—:— – —:—	–	Mond stört		14:16	06:22	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 25m*	16:39	*38m*	17:17	*39m*	17:57	*38m*	18:35	*15h 34m*	*11h 42m*				Mi, 4. Jan
Do, 5. Jan		—:— – —:—	–	Mond stört		14:58	07:26	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 26m*	16:40	*38m*	17:19	*39m*	17:58	*38m*	18:36	*15h 32m*	*11h 41m*				Do, 5. Jan
Fr, 6. Jan		—:— – —:—	–	Mond stört		15:49	08:21	06:17	*38m*	06:55	*38m*	07:34	*38m*	08:13	*8h 28m*	16:41	*38m*	17:20	*38m*	17:59	*38m*	18:37	*15h 31m*	*11h 40m*				Fr, 6. Jan
Sa, 7. Jan		—:— – —:—	–	Mond stört	○	16:49	09:05	06:17	*37m*	06:55	*38m*	07:34	*38m*	08:12	*8h 29m*	16:42	*38m*	17:21	*38m*	18:00	*38m*	18:38	*15h 29m*	*11h 38m*				Sa, 7. Jan
So, 8. Jan		—:— – —:—	–	Mond stört		17:55	09:40	06:17	*37m*	06:55	*38m*	07:33	*38m*	08:12	*8h 31m*	16:43	*38m*	17:22	*38m*	18:01	*37m*	18:39	*15h 28m*	*11h 37m*				So, 8. Jan
Mo, 9. Jan		18:40 – 19:03	*23m*	AN+ *bis* M↗		19:03	10:07	06:16	*37m*	06:54	*38m*	07:33	*38m*	08:12	*8h 32m*	16:44	*38m*	17:23	*38m*	18:02	*37m*	18:40	*15h 26m*	*11h 36m*				Mo, 9. Jan
Di, 10. Jan		18:41 – 20:12	*1h 31m*	AN+ *bis* M↗		20:12	10:28	06:16	*37m*	06:54	*38m*	07:33	*38m*	08:11	*8h 34m*	16:46	*38m*	17:24	*38m*	18:03	*37m*	18:41	*15h 24m*	*11h 35m*				Di, 10. Jan
Mi, 11. Jan		18:42 – 21:20	*2h 38m*	AN+ *bis* M↗		21:20	10:45	06:16	*37m*	06:54	*38m*	07:32	*38m*	08:11	*8h 36m*	16:47	*38m*	17:25	*38m*	18:04	*37m*	18:42	*15h 23m*	*11h 33m*				Mi, 11. Jan
Do, 12. Jan		18:43 – 22:29	*3h 45m*	AN+ *bis* M↗		22:29	11:00	06:16	*37m*	06:53	*38m*	07:32	*38m*	08:10	*8h 38m*	16:48	*38m*	17:27	*38m*	18:05	*37m*	18:43	*15h 21m*	*11h 32m*				Do, 12. Jan
Fr, 13. Jan		18:44 – 23:38	*4h 53m*	AN+ *bis* M↗		23:38	11:14	06:15	*37m*	06:53	*38m*	07:31	*38m*	08:10	*8h 40m*	16:50	*38m*	17:28	*38m*	18:06	*37m*	18:44	*15h 19m*	*11h 30m*				Fr, 13. Jan
Sa, 14. Jan		18:45 – 00:49*	*6h 03m*	AN+ *bis* M↗		—:—	11:29	06:15	*37m*	06:52	*38m*	07:31	*37m*	08:09	*8h 42m*	16:51	*37m*	17:29	*38m*	18:08	*37m*	18:45	*15h 17m*	*11h 29m*				Sa, 14. Jan
So, 15. Jan		18:46 – 02:04*	*7h 17m*	AN+ *bis* M↗	◑	00:49	11:44	06:14	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 44m*	16:52	*37m*	17:30	*38m*	18:09	*37m*	18:46	*15h 15m*	*11h 27m*				So, 15. Jan
Mo, 16. Jan		18:48 – 03:23*	*8h 35m*	AN+ *bis* M↗		02:04	12:03	06:14	*37m*	06:51	*38m*	07:30	*37m*	08:08	*8h 46m*	16:54	*37m*	17:32	*38m*	18:10	*37m*	18:48	*15h 12m*	*11h 25m*				Mo, 16. Jan
Di, 17. Jan		18:49 – 04:46*	*9h 57m*	AN+ *bis* M↗		03:23	12:27	06:13	*37m*	06:51	*38m*	07:29	*37m*	08:07	*8h 48m*	16:55	*37m*	17:33	*38m*	18:11	*37m*	18:49	*15h 10m*	*11h 24m*				Di, 17. Jan
Mi, 18. Jan		18:50 – 06:08*	*11h 17m*	AN+ *bis* M↗		04:46	12:59	06:13	*37m*	06:50	*38m*	07:28	*37m*	08:06	*8h 50m*	16:57	*37m*	17:34	*38m*	18:12	*37m*	18:50	*15h 08m*	*11h 22m*				Mi, 18. Jan
Do, 19. Jan		18:51 – 06:12*	*11h 20m*	AN+ *bis* AN−		06:08	13:46	06:12	*37m*	06:50	*38m*	07:28	*37m*	08:05	*8h 53m*	16:58	*37m*	17:36	*38m*	18:14	*37m*	18:51	*15h 06m*	*11h 20m*				Do, 19. Jan
Fr, 20. Jan		18:52 – 06:11*	*11h 18m*	AN+ *bis* AN−		07:21	14:50	06:12	*37m*	06:49	*37m*	07:27	*37m*	08:04	*8h 55m*	17:00	*37m*	17:37	*38m*	18:15	*37m*	18:52	*15h 03m*	*11h 18m*				Fr, 20. Jan
Sa, 21. Jan		18:54 – 06:10*	*11h 16m*	AN+ *bis* AN−	●	08:19	16:10	06:11	*37m*	06:48	*37m*	07:26	*37m*	08:03	*8h 57m*	17:01	*37m*	17:38	*37m*	18:16	*37m*	18:54	*15h 01m*	*11h 16m*				Sa, 21. Jan
So, 22. Jan		18:55 – 06:09*	*11h 14m*	AN+ *bis* AN−		09:01	17:40	06:10	*37m*	06:47	*37m*	07:25	*37m*	08:02	*9h 00m*	17:03	*37m*	17:40	*37m*	18:18	*37m*	18:55	*14h 58m*	*11h 14m*				So, 22. Jan
Mo, 23. Jan		19:11 – 06:09*	*10h 57m*	M↘ *bis* AN−		09:32	19:11	06:09	*37m*	06:47	*37m*	07:24	*36m*	08:01	*9h 02m*	17:04	*36m*	17:41	*37m*	18:19	*37m*	18:56	*14h 56m*	*11h 12m*				Mo, 23. Jan
Di, 24. Jan		20:38 – 06:08*	*9h 30m*	M↘ *bis* AN−		09:55	20:38	06:09	*37m*	06:46	*37m*	07:23	*36m*	08:00	*9h 05m*	17:06	*36m*	17:43	*37m*	18:20	*37m*	18:58	*14h 53m*	*11h 10m*				Di, 24. Jan
Mi, 25. Jan		22:00 – 06:07*	*8h 07m*	M↘ *bis* AN−		10:14	22:00	06:08	*37m*	06:45	*37m*	07:23	*36m*	07:59	*9h 08m*	17:07	*36m*	17:44	*37m*	18:22	*37m*	18:59	*14h 50m*	*11h 07m*				Mi, 25. Jan
Do, 26. Jan		23:18 – 06:06*	*6h 47m*	M↘ *bis* AN−		10:30	23:18	06:07	*37m*	06:44	*37m*	07:22	*36m*	07:58	*9h 10m*	17:09	*36m*	17:46	*37m*	18:23	*37m*	19:00	*14h 47m*	*11h 05m*				Do, 26. Jan
Fr, 27. Jan		00:35* – 06:05*	*5h 30m*	M↘ *bis* AN−		10:47	—:—	06:06	*37m*	06:43	*37m*	07:20	*36m*	07:57	*9h 13m*	17:11	*36m*	17:47	*37m*	18:25	*37m*	19:02	*14h 45m*	*11h 03m*				Fr, 27. Jan
Sa, 28. Jan		01:50* – 06:04*	*4h 14m*	M↘ *bis* AN−	◐	11:04	00:35	06:05	*36m*	06:42	*37m*	07:19	*36m*	07:56	*9h 16m*	17:12	*36m*	17:49	*37m*	18:26	*37m*	19:03	*14h 42m*	*11h 01m*				Sa, 28. Jan
So, 29. Jan		03:03* – 06:03*	*2h 59m*	M↘ *bis* AN−		11:23	01:50	06:04	*36m*	06:41	*37m*	07:18	*36m*	07:55	*9h 19m*	17:14	*36m*	17:50	*37m*	18:27	*36m*	19:04	*14h 39m*	*10h 58m*				So, 29. Jan
Mo, 30. Jan		04:14* – 06:02*	*1h 47m*	M↘ *bis* AN−		11:47	03:03	06:03	*36m*	06:40	*37m*	07:17	*36m*	07:53	*9h 22m*	17:15	*36m*	17:52	*37m*	18:29	*36m*	19:06	*14h 36m*	*10h 56m*				Mo, 30. Jan
Di, 31. Jan		05:20* – 06:01*	*40m*	M↘ *bis* AN−		12:17	04:14	06:02	*36m*	06:39	*37m*	07:16	*36m*	07:52	*9h 25m*	17:17	*36m*	17:53	*37m*	18:30	*36m*	19:07	*14h 33m*	*10h 53m*				Di, 31. Jan
Mi, 1. Feb		—:— – —:—	–	Mond stört		12:55	05:20	06:01	*36m*	06:38	*37m*	07:15	*35m*	07:51	*9h 28m*	17:19	*35m*	17:55	*37m*	18:32	*36m*	19:09	*14h 30m*	*10h 51m*				Mi, 1. Feb
Do, 2. Feb		—:— – —:—	–	Mond stört		13:43	06:18	06:00	*36m*	06:37	*36m*	07:14	*35m*	07:49	*9h 31m*	17:20	*35m*	17:56	*36m*	18:33	*36m*	19:10	*14h 27m*	*10h 48m*				Do, 2. Feb
Fr, 3. Feb		—:— – —:—	–	Mond stört		14:41	07:05	05:59	*36m*	06:35	*36m*	07:12	*35m*	07:48	*9h 34m*	17:22	*35m*	17:58	*36m*	18:35	*36m*	19:11	*14h 24m*	*10h 46m*				Fr, 3. Feb
Sa, 4. Feb		—:— – —:—	–	Mond stört		15:45	07:42	05:57	*36m*	06:34	*36m*	07:11	*35m*	07:46	*9h 37m*	17:24	*35m*	17:59	*36m*	18:36	*36m*	19:13	*14h 21m*	*10h 43m*				Sa, 4. Feb
So, 5. Feb		—:— – —:—	–	Mond stört	○	16:53	08:11	05:56	*36m*	06:33	*36m*	07:10	*35m*	07:45	*9h 40m*	17:25	*35m*	18:01	*36m*	18:37	*36m*	19:14	*14h 18m*	*10h 40m*				So, 5. Feb
Mo, 6. Feb		—:— – —:—	–	Mond stört		18:03	08:33	05:55	*36m*	06:32	*36m*	07:08	*35m*	07:44	*9h 43m*	17:27	*35m*	18:02	*36m*	18:39	*36m*	19:16	*14h 15m*	*10h 38m*				Mo, 6. Feb
Di, 7. Feb		—:— – —:—	–	Mond stört		19:12	08:51	05:54	*36m*	06:30	*36m*	07:07	*35m*	07:42	*9h 46m*	17:29	*35m*	18:04	*36m*	18:40	*36m*	19:17	*14h 11m*	*10h 35m*				Di, 7. Feb
Mi, 8. Feb		19:18 – 20:20	*1h 01m*	AN+ *bis* M↗		20:20	09:07	05:52	*36m*	06:29	*36m*	07:05	*35m*	07:40	*9h 49m*	17:30	*35m*	18:05	*36m*	18:42	*36m*	19:18	*14h 08m*	*10h 32m*				Mi, 8. Feb
Do, 9. Feb		19:20 – 21:29	*2h 08m*	AN+ *bis* M↗		21:29	09:21	05:51	*36m*	06:27	*36m*	07:04	*35m*	07:39	*9h 52m*	17:32	*35m*	18:07	*36m*	18:43	*36m*	19:20	*14h 05m*	*10h 29m*				Do, 9. Feb
Fr, 10. Feb		19:21 – 22:38	*3h 17m*	AN+ *bis* M↗		22:38	09:35	05:50	*36m*	06:26	*36m*	07:02	*34m*	07:37	*9h 56m*	17:33	*34m*	18:08	*36m*	18:45	*36m*	19:21	*14h 02m*	*10h 26m*				Fr, 10. Feb
Sa, 11. Feb		19:23 – 23:51	*4h 27m*	AN+ *bis* M↗		23:51	09:50	05:48	*36m*	06:25	*36m*	07:01	*34m*	07:36	*9h 59m*	17:35	*34m*	18:10	*36m*	18:46	*36m*	19:23	*13h 58m*	*10h 23m*				Sa, 11. Feb
So, 12. Feb		19:24 – 01:06*	*5h 42m*	AN+ *bis* M↗		—:—	10:07	05:47	*36m*	06:23	*36m*	06:59	*34m*	07:34	*10h 02m*	17:37	*34m*	18:12	*36m*	18:48	*36m*	19:24	*13h 55m*	*10h 20m*				So, 12. Feb
Mo, 13. Feb		19:26 – 02:25*	*6h 59m*	AN+ *bis* M↗	◑	01:06	10:27	05:45	*36m*	06:22	*36m*	06:58	*34m*	07:32	*10h 05m*	17:38	*34m*	18:13	*36m*	18:49	*36m*	19:26	*13h 52m*	*10h 17m*				Mo, 13. Feb
Di, 14. Feb		19:27 – 03:45*	*8h 18m*	AN+ *bis* M↗		02:25	10:55	05:44	*36m*	06:20	*36m*	06:56	*34m*	07:31	*10h 09m*	17:40	*34m*	18:15	*36m*	18:51	*36m*	19:27	*13h 48m*	*10h 14m*				Di, 14. Feb
Mi, 15. Feb		19:29 – 05:01*	*9h 31m*	AN+ *bis* M↗		03:45	11:33	05:42	*36m*	06:18	*36m*	06:55	*34m*	07:29	*10h 12m*	17:42	*34m*	18:16	*36m*	18:52	*36m*	19:29	*13h 45m*	*10h 11m*				Mi, 15. Feb
Do, 16. Feb		19:30 – 05:39*	*10h 08m*	AN+ *bis* AN−		05:01	12:27	05:40	*36m*	06:17	*36m*	06:53	*34m*	07:27	*10h 16m*	17:43	*34m*	18:18	*36m*	18:54	*36m*	19:30	*13h 42m*	*10h 08m*				Do, 16. Feb
Fr, 17. Feb		19:32 – 05:37*	*10h 05m*	AN+ *bis* AN−		06:04	13:38	05:39	*36m*	06:15	*35m*	06:51	*34m*	07:26	*10h 19m*	17:45	*34m*	18:19	*36m*	18:55	*36m*	19:32	*13h 38m*	*10h 05m*				Fr, 17. Feb
Sa, 18. Feb		19:33 – 05:36*	*10h 02m*	AN+ *bis* AN−		06:52	15:02	05:37	*36m*	06:14	*35m*	06:50	*34m*	07:24	*10h 22m*	17:47	*34m*	18:21	*35m*	18:57	*36m*	19:33	*13h 35m*	*10h 02m*				Sa, 18. Feb
So, 19. Feb		19:35 – 05:34*	*9h 59m*	AN+ *bis* AN−		07:28	16:33	05:36	*36m*	06:12	*35m*	06:48	*34m*	07:22	*10h 26m*	17:48	*34m*	18:22	*35m*	18:58	*36m*	19:35	*13h 31m*	*9h 59m*				So, 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mo, 20. Feb		19:36 – 05:32*	*9h 55m*	AN_+ *bis* AN_-	●	07:54	18:03	05:34	*36m*	06:10	*35m*	06:46	*34m*	07:20	*10h 29m*	17:50	*34m*	18:24	*35m*	19:00	*36m*	19:36	*13h 28m*	*9h 55m*				Mo, 20. Feb
Di, 21. Feb		19:38 – 05:30*	*9h 52m*	AN_+ *bis* AN_-		08:15	19:30	05:32	*36m*	06:08	*35m*	06:44	*34m*	07:18	*10h 33m*	17:51	*34m*	18:25	*35m*	19:01	*36m*	19:38	*13h 25m*	*9h 52m*				Di, 21. Feb
Mi, 22. Feb		20:53 – 05:29*	*8h 35m*	$M_↘$ *bis* AN_-		08:33	20:53	05:30	*36m*	06:07	*35m*	06:43	*33m*	07:16	*10h 36m*	17:53	*33m*	18:27	*35m*	19:03	*36m*	19:39	*13h 21m*	*9h 49m*				Mi, 22. Feb
Do, 23. Feb		22:13 – 05:27*	*7h 13m*	$M_↘$ *bis* AN_-		08:50	22:13	05:29	*36m*	06:05	*35m*	06:41	*33m*	07:15	*10h 40m*	17:55	*33m*	18:29	*35m*	19:04	*36m*	19:41	*13h 18m*	*9h 45m*				Do, 23. Feb
Fr, 24. Feb		23:31 – 05:25*	*5h 53m*	$M_↘$ *bis* AN_-		09:07	23:31	05:27	*36m*	06:03	*35m*	06:39	*33m*	07:13	*10h 43m*	17:56	*33m*	18:30	*35m*	19:06	*36m*	19:42	*13h 14m*	*9h 42m*				Fr, 24. Feb
Sa, 25. Feb		00:48* – 05:23*	*4h 34m*	$M_↘$ *bis* AN_-		09:25	—:—	05:25	*36m*	06:01	*35m*	06:37	*33m*	07:11	*10h 47m*	17:58	*33m*	18:32	*35m*	19:07	*36m*	19:44	*13h 11m*	*9h 39m*				Sa, 25. Feb
So, 26. Feb		02:02* – 05:21*	*3h 18m*	$M_↘$ *bis* AN_-		09:48	00:48	05:23	*36m*	06:00	*35m*	06:35	*33m*	07:09	*10h 50m*	17:59	*33m*	18:33	*35m*	19:09	*36m*	19:45	*13h 07m*	*9h 35m*				So, 26. Feb
Mo, 27. Feb		03:12* – 05:19*	*2h 07m*	$M_↘$ *bis* AN_-	◐	10:16	02:02	05:21	*36m*	05:58	*35m*	06:33	*33m*	07:07	*10h 54m*	18:01	*33m*	18:35	*35m*	19:10	*36m*	19:47	*13h 04m*	*9h 32m*				Mo, 27. Feb
Di, 28. Feb		04:13* – 05:17*	*1h 04m*	$M_↘$ *bis* AN_-		10:51	03:12	05:19	*36m*	05:56	*35m*	06:31	*33m*	07:05	*10h 57m*	18:03	*33m*	18:36	*35m*	19:12	*36m*	19:49	*13h 00m*	*9h 28m*				Di, 28. Feb
Mi, 1. Mär		05:04* – 05:15*	*11m*	$M_↘$ *bis* AN_-		11:36	04:13	05:17	*36m*	05:54	*35m*	06:30	*33m*	07:03	*11h 01m*	18:04	*33m*	18:38	*35m*	19:14	*36m*	19:50	*12h 56m*	*9h 25m*				Mi, 1. Mär
Do, 2. Mär		—:— – —:—	–	Mond stört		12:31	05:04	05:15	*36m*	05:52	*35m*	06:28	*33m*	07:01	*11h 04m*	18:06	*33m*	18:39	*35m*	19:15	*36m*	19:52	*12h 53m*	*9h 21m*				Do, 2. Mär
Fr, 3. Mär		—:— – —:—	–	Mond stört		13:34	05:44	05:13	*36m*	05:50	*35m*	06:26	*33m*	06:59	*11h 08m*	18:07	*33m*	18:41	*35m*	19:17	*36m*	19:53	*12h 49m*	*9h 18m*				Fr, 3. Mär
Sa, 4. Mär		—:— – —:—	–	Mond stört		14:42	06:15	05:11	*36m*	05:48	*35m*	06:24	*33m*	06:57	*11h 11m*	18:09	*33m*	18:42	*35m*	19:18	*36m*	19:55	*12h 46m*	*9h 14m*				Sa, 4. Mär
So, 5. Mär		—:— – —:—	–	Mond stört		15:51	06:39	05:09	*36m*	05:46	*35m*	06:22	*33m*	06:55	*11h 15m*	18:10	*33m*	18:44	*35m*	19:20	*36m*	19:57	*12h 42m*	*9h 10m*				So, 5. Mär
Mo, 6. Mär		—:— – —:—	–	Mond stört		17:01	06:58	05:07	*36m*	05:44	*35m*	06:20	*33m*	06:53	*11h 18m*	18:12	*33m*	18:45	*35m*	19:21	*36m*	19:58	*12h 39m*	*9h 07m*				Mo, 6. Mär
Di, 7. Mär		—:— – —:—	–	Mond stört	○	18:10	07:14	05:05	*36m*	05:42	*35m*	06:18	*33m*	06:51	*11h 22m*	18:14	*33m*	18:47	*35m*	19:23	*36m*	20:00	*12h 35m*	*9h 03m*				Di, 7. Mär
Mi, 8. Mär		—:— – —:—	–	Mond stört		19:19	07:29	05:03	*36m*	05:40	*35m*	06:16	*33m*	06:49	*11h 26m*	18:15	*33m*	18:49	*35m*	19:24	*37m*	20:01	*12h 31m*	*8h 59m*				Mi, 8. Mär
Do, 9. Mär		20:03 – 20:29	*26m*	AN_+ *bis* $M_↗$		20:29	07:42	05:01	*36m*	05:38	*35m*	06:14	*33m*	06:47	*11h 29m*	18:17	*33m*	18:50	*35m*	19:26	*37m*	20:03	*12h 28m*	*8h 55m*				Do, 9. Mär
Fr, 10. Mär		20:05 – 21:42	*1h 36m*	AN_+ *bis* $M_↗$		21:42	07:57	04:59	*37m*	05:36	*35m*	06:12	*33m*	06:45	*11h 33m*	18:18	*33m*	18:52	*35m*	19:27	*37m*	20:05	*12h 24m*	*8h 52m*				Fr, 10. Mär
Sa, 11. Mär		20:06 – 22:56	*2h 50m*	AN_+ *bis* $M_↗$		22:56	08:13	04:57	*37m*	05:34	*35m*	06:10	*33m*	06:43	*11h 36m*	18:20	*33m*	18:53	*35m*	19:29	*37m*	20:06	*12h 21m*	*8h 48m*				Sa, 11. Mär
So, 12. Mär		20:08 – 00:14*	*4h 06m*	AN_+ *bis* $M_↗$		—:—	08:32	04:55	*37m*	05:32	*35m*	06:08	*33m*	06:41	*11h 40m*	18:21	*33m*	18:55	*35m*	19:31	*37m*	20:08	*12h 17m*	*8h 44m*				So, 12. Mär
Mo, 13. Mär		20:10 – 01:33*	*5h 23m*	AN_+ *bis* $M_↗$		00:14	08:56	04:52	*37m*	05:30	*35m*	06:06	*33m*	06:39	*11h 43m*	18:23	*33m*	18:56	*35m*	19:32	*37m*	20:10	*12h 14m*	*8h 40m*				Mo, 13. Mär
Di, 14. Mär		20:11 – 02:49*	*6h 37m*	AN_+ *bis* $M_↗$		01:33	09:30	04:50	*37m*	05:28	*35m*	06:04	*33m*	06:37	*11h 47m*	18:24	*33m*	18:58	*36m*	19:34	*37m*	20:11	*12h 10m*	*8h 36m*				Di, 14. Mär
Mi, 15. Mär		20:13 – 03:55*	*7h 41m*	AN_+ *bis* $M_↗$	◑	02:49	10:16	04:48	*37m*	05:26	*35m*	06:01	*33m*	06:35	*11h 51m*	18:26	*33m*	18:59	*36m*	19:35	*37m*	20:13	*12h 06m*	*8h 32m*				Mi, 15. Mär
Do, 16. Mär		20:15 – 04:44*	*8h 28m*	AN_+ *bis* AN_-		03:55	11:18	04:46	*37m*	05:23	*35m*	05:59	*33m*	06:33	*11h 54m*	18:27	*33m*	19:01	*36m*	19:37	*37m*	20:15	*12h 03m*	*8h 28m*				Do, 16. Mär
Fr, 17. Mär		20:16 – 04:41*	*8h 24m*	AN_+ *bis* AN_-		04:47	12:35	04:44	*37m*	05:21	*36m*	05:57	*33m*	06:31	*11h 58m*	18:29	*33m*	19:02	*36m*	19:38	*37m*	20:16	*11h 59m*	*8h 24m*				Fr, 17. Mär
Sa, 18. Mär		20:18 – 04:39*	*8h 20m*	AN_+ *bis* AN_-		05:26	14:01	04:41	*37m*	05:19	*36m*	05:55	*33m*	06:28	*12h 01m*	18:30	*33m*	19:04	*36m*	19:40	*38m*	20:18	*11h 56m*	*8h 20m*				Sa, 18. Mär
So, 19. Mär		20:20 – 04:37*	*8h 16m*	AN_+ *bis* AN_-		05:55	15:30	04:39	*38m*	05:17	*36m*	05:53	*33m*	06:26	*12h 05m*	18:32	*33m*	19:05	*36m*	19:42	*38m*	20:20	*11h 52m*	*8h 16m*				So, 19. Mär
Mo, 20. Mär		20:22 – 04:34*	*8h 12m*	AN_+ *bis* AN_-		06:17	16:57	04:37	*38m*	05:15	*36m*	05:51	*33m*	06:24	*12h 09m*	18:33	*33m*	19:07	*36m*	19:43	*38m*	20:22	*11h 48m*	*8h 12m*				Mo, 20. Mär
Di, 21. Mär		20:23 – 04:32*	*8h 08m*	AN_+ *bis* AN_-	●	06:35	18:21	04:34	*38m*	05:13	*36m*	05:49	*33m*	06:22	*12h 12m*	18:35	*33m*	19:08	*36m*	19:45	*38m*	20:23	*11h 45m*	*8h 08m*				Di, 21. Mär
Mi, 22. Mär		20:25 – 04:30*	*8h 04m*	AN_+ *bis* AN_-		06:52	19:44	04:32	*38m*	05:10	*36m*	05:47	*33m*	06:20	*12h 16m*	18:36	*33m*	19:10	*36m*	19:46	*38m*	20:25	*11h 41m*	*8h 04m*				Mi, 22. Mär
Do, 23. Mär		21:05 – 04:27*	*7h 22m*	$M_↘$ *bis* AN_-		07:09	21:05	04:30	*38m*	05:08	*36m*	05:45	*33m*	06:18	*12h 19m*	18:38	*33m*	19:11	*36m*	19:48	*38m*	20:27	*11h 38m*	*8h 00m*				Do, 23. Mär
Fr, 24. Mär		22:24 – 04:25*	*6h 00m*	$M_↘$ *bis* AN_-		07:27	22:24	04:27	*38m*	05:06	*36m*	05:42	*33m*	06:16	*12h 23m*	18:39	*33m*	19:13	*36m*	19:50	*38m*	20:29	*11h 34m*	*7h 56m*				Fr, 24. Mär
Sa, 25. Mär		23:43 – 04:22*	*4h 39m*	$M_↘$ *bis* AN_-		07:48	23:43	04:25	*38m*	05:04	*36m*	05:40	*33m*	06:14	*12h 27m*	18:41	*33m*	19:15	*36m*	19:51	*39m*	20:30	*11h 30m*	*7h 51m*				Sa, 25. Mär
So, 26. Mär	MESZ	01:57* – 05:20*	*3h 23m*	$M_↘$ *bis* AN_-		09:13	00:43	05:22	*39m*	06:01	*36m*	06:38	*33m*	07:12	*12h 30m*	19:42	*33m*	20:16	*36m*	20:53	*39m*	21:32	*11h 27m*	*7h 47m*				So, 26. Mär
Mo, 27. Mär	MESZ	03:03* – 05:18*	*2h 14m*	$M_↘$ *bis* AN_-		09:46	01:57	05:20	*39m*	05:59	*36m*	06:36	*33m*	07:10	*12h 34m*	19:44	*33m*	20:18	*37m*	20:55	*39m*	21:34	*11h 23m*	*7h 43m*				Mo, 27. Mär
Di, 28. Mär	MESZ	03:59* – 05:15*	*1h 15m*	$M_↘$ *bis* AN_-		10:28	03:03	05:18	*39m*	05:57	*36m*	06:34	*33m*	07:08	*12h 37m*	19:45	*33m*	20:19	*37m*	20:56	*39m*	21:36	*11h 20m*	*7h 39m*				Di, 28. Mär
Mi, 29. Mär	MESZ	04:44* – 05:13*	*28m*	$M_↘$ *bis* AN_-	◐	11:20	03:59	05:15	*39m*	05:55	*37m*	06:32	*33m*	07:05	*12h 41m*	19:47	*33m*	20:21	*37m*	20:58	*39m*	21:38	*11h 16m*	*7h 34m*				Mi, 29. Mär
Do, 30. Mär	MESZ	—:— – —:—	–	Mond stört		12:21	04:44	05:13	*39m*	05:52	*37m*	06:30	*33m*	07:03	*12h 45m*	19:48	*33m*	20:22	*37m*	21:00	*40m*	21:40	*11h 12m*	*7h 30m*				Do, 30. Mär
Fr, 31. Mär	MESZ	—:— – —:—	–	Mond stört		13:28	05:18	05:10	*40m*	05:50	*37m*	06:28	*33m*	07:01	*12h 48m*	19:50	*33m*	20:24	*37m*	21:01	*40m*	21:42	*11h 09m*	*7h 25m*				Fr, 31. Mär
Sa, 1. Apr	MESZ	—:— – —:—	–	Mond stört		14:37	05:44	05:08	*40m*	05:48	*37m*	06:25	*33m*	06:59	*12h 52m*	19:51	*34m*	20:25	*37m*	21:03	*40m*	21:44	*11h 05m*	*7h 21m*				Sa, 1. Apr
So, 2. Apr	MESZ	—:— – —:—	–	Mond stört		15:47	06:04	05:05	*40m*	05:46	*37m*	06:23	*33m*	06:57	*12h 55m*	19:53	*34m*	20:27	*37m*	21:05	*40m*	21:46	*11h 02m*	*7h 17m*				So, 2. Apr
Mo, 3. Apr	MESZ	—:— – —:—	–	Mond stört		16:56	06:21	05:03	*40m*	05:43	*37m*	06:21	*34m*	06:55	*12h 59m*	19:54	*34m*	20:28	*37m*	21:06	*41m*	21:47	*10h 58m*	*7h 12m*				Mo, 3. Apr
Di, 4. Apr	MESZ	—:— – —:—	–	Mond stört		18:06	06:36	05:00	*41m*	05:41	*37m*	06:19	*34m*	06:53	*13h 02m*	19:56	*34m*	20:30	*38m*	21:08	*41m*	21:49	*10h 55m*	*7h 08m*				Di, 4. Apr
Mi, 5. Apr	MESZ	—:— – —:—	–	Mond stört		19:16	06:50	04:57	*41m*	05:39	*38m*	06:17	*34m*	06:51	*13h 06m*	19:57	*34m*	20:32	*38m*	21:10	*41m*	21:51	*10h 51m*	*7h 03m*				Mi, 5. Apr
Do, 6. Apr	MESZ	—:— – —:—	–	Mond stört	○	20:29	07:04	04:55	*41m*	05:36	*38m*	06:15	*34m*	06:49	*13h 09m*	19:59	*34m*	20:33	*38m*	21:12	*41m*	21:53	*10h 48m*	*6h 58m*				Do, 6. Apr
Fr, 7. Apr	MESZ	—:— – —:—	–	Mond stört		21:44	07:19	04:52	*41m*	05:34	*38m*	06:13	*34m*	06:47	*13h 13m*	20:00	*34m*	20:35	*38m*	21:13	*42m*	21:55	*10h 44m*	*6h 54m*				Fr, 7. Apr
Sa, 8. Apr	MESZ	21:58 – 23:02	*1h 04m*	AN_+ *bis* $M_↗$		23:02	07:37	04:50	*42m*	05:32	*38m*	06:10	*34m*	06:45	*13h 16m*	20:02	*34m*	20:36	*38m*	21:15	*42m*	21:58	*10h 41m*	*6h 49m*				Sa, 8. Apr
So, 9. Apr	MESZ	22:00 – 00:22*	*2h 22m*	AN_+ *bis* $M_↗$		—:—	08:00	04:47	*42m*	05:30	*38m*	06:08	*34m*	06:43	*13h 20m*	20:03	*34m*	20:38	*38m*	21:17	*42m*	22:00	*10h 37m*	*6h 44m*				So, 9. Apr
Mo, 10. Apr	MESZ	22:02 – 01:40*	*3h 38m*	AN_+ *bis* $M_↗$		00:22	08:30	04:45	*42m*	05:27	*38m*	06:06	*34m*	06:41	*13h 23m*	20:05	*34m*	20:40	*39m*	21:19	*43m*	22:02	*10h 34m*	*6h 40m*				Mo, 10. 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Di, 11. Apr	MESZ	22:04 – 02:49*	*4h 45m*	AN_+ *bis* $M_↗$		01:40	09:12	04:42	*43m*	05:25	*39m*	06:04	*34m*	06:39	*13h 27m*	20:06	*34m*	20:41	*39m*	21:20	*43m*	22:04	*10h 30m*	*6h 35m*				Di, 11. Apr
Mi, 12. Apr	MESZ	22:06 – 03:45*	*5h 39m*	AN_+ *bis* $M_↗$		02:49	10:09	04:39	*43m*	05:23	*39m*	06:02	*34m*	06:37	*13h 30m*	20:08	*35m*	20:43	*39m*	21:22	*43m*	22:06	*10h 27m*	*6h 30m*				Mi, 12. Apr
Do, 13. Apr	MESZ	22:08 – 04:27*	*6h 18m*	AN_+ *bis* $M_↗$	◑	03:45	11:21	04:37	*43m*	05:20	*39m*	06:00	*34m*	06:35	*13h 34m*	20:09	*35m*	20:44	*39m*	21:24	*44m*	22:08	*10h 23m*	*6h 25m*				Do, 13. Apr
Fr, 14. Apr	MESZ	22:10 – 04:31*	*6h 21m*	AN_+ *bis* AN_-		04:27	12:43	04:34	*44m*	05:18	*39m*	05:58	*35m*	06:33	*13h 37m*	20:11	*35m*	20:46	*39m*	21:26	*44m*	22:10	*10h 20m*	*6h 21m*				Fr, 14. Apr
Sa, 15. Apr	MESZ	22:12 – 04:29*	*6h 16m*	AN_+ *bis* AN_-		04:58	14:08	04:31	*44m*	05:16	*39m*	05:56	*35m*	06:31	*13h 41m*	20:12	*35m*	20:48	*40m*	21:28	*44m*	22:12	*10h 16m*	*6h 16m*				Sa, 15. Apr
So, 16. Apr	MESZ	22:15 – 04:26*	*6h 11m*	AN_+ *bis* AN_-		05:21	15:33	04:29	*44m*	05:13	*40m*	05:54	*35m*	06:29	*13h 44m*	20:14	*35m*	20:49	*40m*	21:29	*45m*	22:15	*10h 13m*	*6h 11m*				So, 16. Apr
Mo, 17. Apr	MESZ	22:17 – 04:23*	*6h 06m*	AN_+ *bis* AN_-		05:40	16:56	04:26	*45m*	05:11	*40m*	05:51	*35m*	06:27	*13h 48m*	20:15	*35m*	20:51	*40m*	21:31	*45m*	22:17	*10h 09m*	*6h 06m*				Mo, 17. Apr
Di, 18. Apr	MESZ	22:19 – 04:21*	*6h 01m*	AN_+ *bis* AN_-		05:57	18:17	04:23	*45m*	05:09	*40m*	05:49	*35m*	06:25	*13h 51m*	20:17	*35m*	20:52	*40m*	21:33	*46m*	22:19	*10h 06m*	*6h 01m*				Di, 18. Apr
Mi, 19. Apr	MESZ	22:21 – 04:18*	*5h 56m*	AN_+ *bis* AN_-		06:13	19:38	04:21	*46m*	05:07	*40m*	05:47	*35m*	06:23	*13h 55m*	20:18	*35m*	20:54	*40m*	21:35	*46m*	22:21	*10h 03m*	*5h 56m*				Mi, 19. Apr
Do, 20. Apr	MESZ	22:24 – 04:15*	*5h 51m*	AN_+ *bis* AN_-	●	06:30	20:58	04:18	*46m*	05:04	*40m*	05:45	*35m*	06:21	*13h 58m*	20:20	*36m*	20:56	*41m*	21:37	*46m*	22:24	*9h 59m*	*5h 51m*				Do, 20. Apr
Fr, 21. Apr	MESZ	22:26 – 04:12*	*5h 46m*	AN_+ *bis* AN_-		06:49	22:18	04:15	*46m*	05:02	*41m*	05:43	*36m*	06:19	*14h 01m*	20:21	*36m*	20:57	*41m*	21:39	*47m*	22:26	*9h 56m*	*5h 46m*				Fr, 21. Apr
Sa, 22. Apr	MESZ	23:35 – 04:10*	*4h 34m*	$M_↘$ *bis* AN_-		07:12	23:35	04:12	*47m*	05:00	*41m*	05:41	*36m*	06:17	*14h 05m*	20:23	*36m*	20:59	*41m*	21:41	*47m*	22:29	*9h 52m*	*5h 41m*				Sa, 22. Apr
So, 23. Apr	MESZ	00:47* – 04:07*	*3h 19m*	$M_↘$ *bis* AN_-		07:42	—:—	04:10	*47m*	04:57	*41m*	05:39	*36m*	06:16	*14h 08m*	20:24	*36m*	21:00	*41m*	21:42	*48m*	22:31	*9h 49m*	*5h 35m*				So, 23. Apr
Mo, 24. Apr	MESZ	01:49* – 04:04*	*2h 14m*	$M_↘$ *bis* AN_-		08:20	00:47	04:07	*48m*	04:55	*41m*	05:37	*36m*	06:14	*14h 11m*	20:25	*36m*	21:02	*42m*	21:44	*48m*	22:33	*9h 46m*	*5h 30m*				Mo, 24. Apr
Di, 25. Apr	MESZ	02:39* – 04:01*	*1h 22m*	$M_↘$ *bis* AN_-		09:09	01:49	04:04	*48m*	04:53	*42m*	05:35	*36m*	06:12	*14h 15m*	20:27	*36m*	21:04	*42m*	21:46	*49m*	22:36	*9h 43m*	*5h 25m*				Di, 25. Apr
Mi, 26. Apr	MESZ	03:18* – 03:58*	*40m*	$M_↘$ *bis* AN_-		10:07	02:39	04:01	*49m*	04:51	*42m*	05:33	*36m*	06:10	*14h 18m*	20:28	*36m*	21:05	*42m*	21:48	*50m*	22:38	*9h 39m*	*5h 20m*				Mi, 26. Apr
Do, 27. Apr	MESZ	03:47* – 03:56*	*9m*	$M_↘$ *bis* AN_-	◐	11:12	03:18	03:58	*50m*	04:49	*42m*	05:31	*36m*	06:08	*14h 21m*	20:30	*37m*	21:07	*43m*	21:50	*50m*	22:41	*9h 36m*	*5h 14m*				Do, 27. Apr
Fr, 28. Apr	MESZ	—:— – —:—	–	Mond stört		12:21	03:47	03:56	*50m*	04:46	*43m*	05:29	*37m*	06:06	*14h 24m*	20:31	*37m*	21:09	*43m*	21:52	*51m*	22:43	*9h 33m*	*5h 09m*				Fr, 28. Apr
Sa, 29. Apr	MESZ	—:— – —:—	–	Mond stört		13:30	04:09	03:53	*51m*	04:44	*43m*	05:27	*37m*	06:05	*14h 28m*	20:33	*37m*	21:10	*43m*	21:54	*51m*	22:46	*9h 30m*	*5h 04m*				Sa, 29. Apr
So, 30. Apr	MESZ	—:— – —:—	–	Mond stört		14:40	04:27	03:50	*51m*	04:42	*43m*	05:26	*37m*	06:03	*14h 31m*	20:34	*37m*	21:12	*44m*	21:56	*52m*	22:48	*9h 26m*	*4h 58m*				So, 30. Apr
Mo, 1. Mai	MESZ	—:— – —:—	–	Mond stört		15:49	04:42	03:47	*52m*	04:40	*43m*	05:24	*37m*	06:01	*14h 34m*	20:36	*37m*	21:14	*44m*	21:58	*53m*	22:51	*9h 23m*	*4h 53m*				Mo, 1. Mai
Di, 2. Mai	MESZ	—:— – —:—	–	Mond stört		16:59	04:56	03:44	*53m*	04:37	*44m*	05:22	*37m*	06:00	*14h 37m*	20:37	*37m*	21:15	*44m*	22:00	*53m*	22:54	*9h 20m*	*4h 47m*				Di, 2. Mai
Mi, 3. Mai	MESZ	—:— – —:—	–	Mond stört		18:10	05:10	03:42	*53m*	04:35	*44m*	05:20	*37m*	05:58	*14h 40m*	20:39	*38m*	21:17	*44m*	22:02	*54m*	22:56	*9h 17m*	*4h 42m*				Mi, 3. Mai
Do, 4. Mai	MESZ	—:— – —:—	–	Mond stört		19:25	05:25	03:39	*54m*	04:33	*44m*	05:18	*38m*	05:56	*14h 43m*	20:40	*38m*	21:18	*45m*	22:04	*55m*	22:59	*9h 14m*	*4h 36m*				Do, 4. Mai
Fr, 5. Mai	MESZ	—:— – —:—	–	Mond stört	○	20:44	05:42	03:36	*55m*	04:31	*45m*	05:16	*38m*	05:55	*14h 46m*	20:42	*38m*	21:20	*45m*	22:06	*55m*	23:02	*9h 11m*	*4h 31m*				Fr, 5. Mai
Sa, 6. Mai	MESZ	—:— – —:—	–	Mond stört		22:05	06:03	03:33	*55m*	04:29	*45m*	05:15	*38m*	05:53	*14h 49m*	20:43	*38m*	21:22	*45m*	22:08	*56m*	23:04	*9h 08m*	*4h 25m*				Sa, 6. Mai
So, 7. Mai	MESZ	23:07 – 23:26	*19m*	AN_+ *bis* $M_↗$		23:26	06:30	03:30	*56m*	04:27	*45m*	05:13	*38m*	05:51	*14h 52m*	20:44	*38m*	21:23	*46m*	22:10	*57m*	23:07	*9h 05m*	*4h 20m*				So, 7. Mai
Mo, 8. Mai	MESZ	23:10 – 00:41*	*1h 30m*	AN_+ *bis* $M_↗$		—:—	07:09	03:27	*57m*	04:25	*46m*	05:11	*38m*	05:50	*14h 55m*	20:46	*39m*	21:25	*46m*	22:12	*58m*	23:10	*9h 02m*	*4h 14m*				Mo, 8. Mai
Di, 9. Mai	MESZ	23:13 – 01:42*	*2h 29m*	AN_+ *bis* $M_↗$		00:41	08:02	03:24	*58m*	04:23	*46m*	05:09	*39m*	05:48	*14h 58m*	20:47	*39m*	21:26	*47m*	22:14	*59m*	23:13	*8h 59m*	*4h 08m*				Di, 9. Mai
Mi, 10. Mai	MESZ	23:16 – 02:28*	*3h 12m*	AN_+ *bis* $M_↗$		01:42	09:10	03:21	*59m*	04:21	*47m*	05:08	*39m*	05:47	*15h 01m*	20:49	*39m*	21:28	*47m*	22:15	*1h 00m*	23:16	*8h 56m*	*4h 02m*				Mi, 10. Mai
Do, 11. Mai	MESZ	23:19 – 03:02*	*3h 43m*	AN_+ *bis* $M_↗$		02:28	10:30	03:18	*1h 00m*	04:19	*47m*	05:06	*39m*	05:45	*15h 04m*	20:50	*39m*	21:30	*47m*	22:17	*1h 01m*	23:19	*8h 54m*	*3h 56m*				Do, 11. Mai
Fr, 12. Mai	MESZ	23:21 – 03:13*	*3h 51m*	AN_+ *bis* AN_-	◑	03:02	11:55	03:16	*1h 01m*	04:17	*47m*	05:04	*39m*	05:44	*15h 07m*	20:51	*39m*	21:31	*48m*	22:19	*1h 02m*	23:21	*8h 51m*	*3h 51m*				Fr, 12. Mai
Sa, 13. Mai	MESZ	23:24 – 03:10*	*3h 45m*	AN_+ *bis* AN_-		03:27	13:19	03:13	*1h 02m*	04:15	*48m*	05:03	*39m*	05:43	*15h 10m*	20:53	*40m*	21:33	*48m*	22:21	*1h 03m*	23:24	*8h 48m*	*3h 45m*				Sa, 13. Mai
So, 14. Mai	MESZ	23:27 – 03:07*	*3h 39m*	AN_+ *bis* AN_-		03:47	14:41	03:10	*1h 03m*	04:13	*48m*	05:01	*40m*	05:41	*15h 12m*	20:54	*40m*	21:34	*48m*	22:23	*1h 04m*	23:27	*8h 45m*	*3h 39m*				So, 14. Mai
Mo, 15. Mai	MESZ	23:30 – 03:04*	*3h 33m*	AN_+ *bis* AN_-		04:03	16:01	03:07	*1h 04m*	04:11	*48m*	05:00	*40m*	05:40	*15h 15m*	20:55	*40m*	21:36	*49m*	22:25	*1h 05m*	23:30	*8h 43m*	*3h 33m*				Mo, 15. Mai
Di, 16. Mai	MESZ	23:33 – 03:01*	*3h 27m*	AN_+ *bis* AN_-		04:19	17:19	03:04	*1h 05m*	04:09	*49m*	04:58	*40m*	05:39	*15h 18m*	20:57	*40m*	21:37	*49m*	22:27	*1h 06m*	23:33	*8h 40m*	*3h 27m*				Di, 16. Mai
Mi, 17. Mai	MESZ	23:37 – 02:58*	*3h 21m*	AN_+ *bis* AN_-		04:35	18:37	03:01	*1h 06m*	04:07	*49m*	04:57	*40m*	05:37	*15h 20m*	20:58	*40m*	21:39	*50m*	22:29	*1h 07m*	23:37	*8h 38m*	*3h 21m*				Mi, 17. Mai
Do, 18. Mai	MESZ	23:40 – 02:55*	*3h 14m*	AN_+ *bis* AN_-		04:53	19:56	02:58	*1h 07m*	04:05	*50m*	04:55	*40m*	05:36	*15h 23m*	20:59	*41m*	21:40	*50m*	22:31	*1h 08m*	23:40	*8h 35m*	*3h 14m*				Do, 18. Mai
Fr, 19. Mai	MESZ	23:43 – 02:52*	*3h 08m*	AN_+ *bis* AN_-	●	05:14	21:14	02:55	*1h 08m*	04:03	*50m*	04:54	*41m*	05:35	*15h 25m*	21:01	*41m*	21:42	*50m*	22:33	*1h 09m*	23:43	*8h 33m*	*3h 08m*				Fr, 19. Mai
Sa, 20. Mai	MESZ	23:46 – 02:49*	*3h 02m*	AN_+ *bis* AN_-		05:40	22:29	02:52	*1h 09m*	04:02	*50m*	04:52	*41m*	05:34	*15h 28m*	21:02	*41m*	21:43	*51m*	22:35	*1h 11m*	23:46	*8h 30m*	*3h 02m*				Sa, 20. Mai
So, 21. Mai	MESZ	23:49 – 02:45*	*2h 56m*	AN_+ *bis* AN_-		06:15	23:36	02:49	*1h 11m*	04:00	*51m*	04:51	*41m*	05:33	*15h 30m*	21:03	*41m*	21:45	*51m*	22:37	*1h 12m*	23:49	*8h 28m*	*2h 56m*				So, 21. Mai
Mo, 22. Mai	MESZ	00:31* – 02:42*	*2h 11m*	$M_↘$ *bis* AN_-		06:59	—:—	02:45	*1h 12m*	03:58	*51m*	04:50	*41m*	05:31	*15h 32m*	21:04	*41m*	21:46	*52m*	22:38	*1h 14m*	23:52	*8h 26m*	*2h 49m*				Mo, 22. Mai
Di, 23. Mai	MESZ	01:15* – 02:39*	*1h 24m*	$M_↘$ *bis* AN_-		07:54	00:31	02:42	*1h 14m*	03:56	*52m*	04:49	*41m*	05:30	*15h 35m*	21:06	*42m*	21:48	*52m*	22:40	*1h 15m*	23:56	*8h 23m*	*2h 43m*				Di, 23. Mai
Mi, 24. Mai	MESZ	01:47* – 02:36*	*48m*	$M_↘$ *bis* AN_-		08:57	01:15	02:39	*1h 15m*	03:55	*52m*	04:47	*42m*	05:29	*15h 37m*	21:07	*42m*	21:49	*52m*	22:42	*1h 17m*	23:59	*8h 21m*	*2h 37m*				Mi, 24. Mai
Do, 25. Mai	MESZ	02:12* – 02:33*	*20m*	$M_↘$ *bis* AN_-		10:05	01:47	02:36	*1h 17m*	03:53	*52m*	04:46	*42m*	05:28	*15h 39m*	21:08	*42m*	21:50	*53m*	22:44	*1h 18m*	00:02*	*8h 19m*	*2h 30m*				Do, 25. Mai
Fr, 26. Mai	MESZ	—:— – —:—	–	Mond stört		11:14	02:12	02:33	*1h 18m*	03:52	*53m*	04:45	*42m*	05:27	*15h 41m*	21:09	*42m*	21:52	*53m*	22:45	*1h 20m*	00:06*	*8h 17m*	*2h 23m*				Fr, 26. Mai
Sa, 27. Mai	MESZ	—:— – —:—	–	Mond stört	◐	12:23	02:32	02:30	*1h 20m*	03:50	*53m*	04:44	*42m*	05:27	*15h 43m*	21:10	*42m*	21:53	*54m*	22:47	*1h 22m*	00:09*	*8h 15m*	*2h 17m*				Sa, 27. Mai
So, 28. Mai	MESZ	—:— – —:—	–	Mond stört		13:32	02:48	02:27	*1h 22m*	03:49	*54m*	04:43	*42m*	05:26	*15h 45m*	21:11	*42m*	21:54	*54m*	22:49	*1h 24m*	00:13*	*8h 13m*	*2h 10m*				So, 28. Mai
Mo, 29. Mai	MESZ	—:— – —:—	–	Mond stört		14:40	03:02	02:23	*1h 24m*	03:47	*54m*	04:42	*42m*	05:25	*15h 47m*	21:12	*43m*	21:56	*54m*	22:50	*1h 26m*	00:16*	*8h 11m*	*2h 03m*				Mo, 29. Mai
Di, 30. Mai	MESZ	—:— – —:—	–	Mond stört		15:50	03:16	02:20	*1h 26m*	03:46	*54m*	04:41	*43m*	05:24	*15h 49m*	21:13	*43m*	21:57	*55m*	22:52	*1h 28m*	00:20*	*8h 09m*	*1h 56m*				Di, 30. 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mi, 31. Mai	MESZ	—:—–—:—	–	Mond stört		17:03	03:30	02:17	*1h 28m*	03:45	*55m*	04:40	*43m*	05:23	*15h 51m*	21:14	*43m*	21:58	*55m*	22:54	*1h 30m*	00:24*	*8h 08m*	*1h 49m*				Mi, 31. Mai
Do, 1. Jun	MESZ	—:—–—:—	–	Mond stört		18:19	03:45	02:13	*1h 30m*	03:43	*55m*	04:39	*43m*	05:23	*15h 52m*	21:15	*43m*	21:59	*55m*	22:55	*1h 32m*	00:28*	*8h 06m*	*1h 42m*				Do, 1. Jun
Fr, 2. Jun	MESZ	—:—–—:—	–	Mond stört		19:40	04:04	02:10	*1h 32m*	03:42	*55m*	04:38	*43m*	05:22	*15h 54m*	21:16	*43m*	22:00	*56m*	22:57	*1h 34m*	00:31*	*8h 04m*	*1h 34m*				Fr, 2. Jun
Sa, 3. Jun	MESZ	—:—–—:—	–	Mond stört		21:03	04:29	02:06	*1h 34m*	03:41	*56m*	04:37	*43m*	05:21	*15h 56m*	21:17	*43m*	22:01	*56m*	22:58	*1h 37m*	00:35*	*8h 03m*	*1h 27m*				Sa, 3. Jun
So, 4. Jun	MESZ	—:—–—:—	–	Mond stört	○	22:23	05:03	02:03	*1h 37m*	03:40	*56m*	04:37	*43m*	05:21	*15h 57m*	21:18	*44m*	22:02	*56m*	22:59	*1h 40m*	00:40*	*8h 01m*	*1h 19m*				So, 4. Jun
Mo, 5. Jun	MESZ	—:—–—:—	–	Mond stört		23:32	05:51	01:59	*1h 40m*	03:39	*56m*	04:36	*44m*	05:20	*15h 58m*	21:19	*44m*	22:03	*57m*	23:01	*1h 43m*	00:44*	*8h 00m*	*1h 10m*				Mo, 5. Jun
Di, 6. Jun	MESZ	—:—–—:—	–	Mond stört		—:—	06:55	01:55	*1h 43m*	03:38	*57m*	04:35	*44m*	05:20	*16h 00m*	21:20	*44m*	22:04	*57m*	23:02	*1h 46m*	00:49*	*7h 59m*	*1h 01m*				Di, 6. Jun
Mi, 7. Jun	MESZ	00:54* – 01:04*	*9m*	AN$_+$ *bis* M↗		00:25	08:14	01:50	*1h 46m*	03:37	*57m*	04:35	*44m*	05:19	*16h 01m*	21:21	*44m*	22:05	*57m*	23:03	*1h 50m*	00:54*	*7h 58m*	*52m*				Mi, 7. Jun
Do, 8. Jun	MESZ	00:59* – 01:31*	*32m*	AN$_+$ *bis* M↗		01:04	09:40	01:46	*1h 50m*	03:36	*57m*	04:34	*44m*	05:19	*16h 02m*	21:21	*44m*	22:06	*58m*	23:04	*1h 55m*	00:59*	*7h 56m*	*41m*				Do, 8. Jun
Fr, 9. Jun	MESZ	01:06* – 01:34*	*27m*	AN$_+$ *bis* AN$_-$		01:31	11:06	01:41	*1h 55m*	03:36	*58m*	04:34	*44m*	05:18	*16h 03m*	21:22	*44m*	22:07	*58m*	23:05	*2h 01m*	01:06*	*7h 55m*	*27m*				Fr, 9. Jun
Sa, 10. Jun	MESZ			Astr. MD	◑	01:53	12:30	01:34	*2h 01m*	03:35	*58m*	04:33	*44m*	05:18	*16h 04m*	21:23	*44m*	22:08	*58m*	23:06		—:—	*7h 54m*		23:06 – 02:10*	*3h 04m*	ND$_+$ *bis* M↗	Sa, 10. Jun
So, 11. Jun	MESZ			Astr. MD		02:10	13:50	—:—		03:34	*58m*	04:33	*44m*	05:18	*16h 05m*	21:23	*44m*	22:08	*58m*	23:07		—:—	*7h 54m*		23:07 – 02:26*	*3h 18m*	ND$_+$ *bis* M↗	So, 11. Jun
Mo, 12. Jun	MESZ			Astr. MD		02:26	15:08	—:—		03:34	*58m*	04:33	*44m*	05:18	*16h 06m*	21:24	*45m*	22:09	*59m*	23:08		—:—	*7h 53m*		23:08 – 02:42*	*3h 33m*	ND$_+$ *bis* M↗	Mo, 12. Jun
Di, 13. Jun	MESZ			Astr. MD		02:42	16:25	—:—		03:33	*59m*	04:32	*45m*	05:17	*16h 07m*	21:25	*45m*	22:10	*59m*	23:09		—:—	*7h 52m*		23:09 – 02:59*	*3h 49m*	ND$_+$ *bis* M↗	Di, 13. Jun
Mi, 14. Jun	MESZ			Astr. MD		02:59	17:42	—:—		03:33	*59m*	04:32	*45m*	05:17	*16h 07m*	21:25	*45m*	22:10	*59m*	23:10		—:—	*7h 51m*		23:10 – 03:18*	*4h 08m*	ND$_+$ *bis* M↗	Mi, 14. Jun
Do, 15. Jun	MESZ			Astr. MD		03:18	18:59	—:—		03:33	*59m*	04:32	*45m*	05:17	*16h 08m*	21:26	*45m*	22:11	*59m*	23:11		—:—	*7h 51m*		23:11 – 03:32*	*4h 21m*	ND$_+$ *bis* ND$_-$	Do, 15. Jun
Fr, 16. Jun	MESZ			Astr. MD		03:42	20:14	—:—		03:32	*59m*	04:32	*45m*	05:17	*16h 09m*	21:26	*45m*	22:11	*59m*	23:11		—:—	*7h 50m*		23:11 – 03:32*	*4h 21m*	ND$_+$ *bis* ND$_-$	Fr, 16. Jun
Sa, 17. Jun	MESZ			Astr. MD		04:13	21:23	—:—		03:32	*59m*	04:32	*45m*	05:17	*16h 09m*	21:27	*45m*	22:12	*59m*	23:12		—:—	*7h 50m*		23:12 – 03:32*	*4h 20m*	ND$_+$ *bis* ND$_-$	Sa, 17. Jun
So, 18. Jun	MESZ			Astr. MD	●	04:53	22:23	—:—		03:32	*59m*	04:32	*45m*	05:17	*16h 09m*	21:27	*45m*	22:12	*59m*	23:12		—:—	*7h 50m*		23:12 – 03:32*	*4h 19m*	ND$_+$ *bis* ND$_-$	So, 18. Jun
Mo, 19. Jun	MESZ			Astr. MD		05:44	23:11	—:—		03:32	*59m*	04:32	*45m*	05:17	*16h 09m*	21:27	*45m*	22:13	*59m*	23:13		—:—	*7h 50m*		23:13 – 03:32*	*4h 19m*	ND$_+$ *bis* ND$_-$	Mo, 19. Jun
Di, 20. Jun	MESZ			Astr. MD		06:45	23:47	—:—		03:32	*59m*	04:32	*45m*	05:17	*16h 10m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 50m*		23:47 – 03:32*	*3h 45m*	M↘ *bis* ND$_-$	Di, 20. Jun
Mi, 21. Jun	MESZ			Astr. MD		07:51	—:—	—:—		03:32	*59m*	04:32	*45m*	05:18	*16h 10m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 50m*		00:15* – 03:32*	*3h 17m*	M↘ *bis* ND$_-$	Mi, 21. Jun
Do, 22. Jun	MESZ			Astr. MD		09:01	00:15	—:—		03:32	*59m*	04:32	*45m*	05:18	*16h 10m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 50m*		00:36* – 03:33*	*2h 56m*	M↘ *bis* ND$_-$	Do, 22. Jun
Fr, 23. Jun	MESZ			Astr. MD		10:10	00:36	—:—		03:33	*59m*	04:33	*45m*	05:18	*16h 10m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 50m*		00:53* – 03:33*	*2h 40m*	M↘ *bis* ND$_-$	Fr, 23. Jun
Sa, 24. Jun	MESZ			Astr. MD		11:18	00:53	—:—		03:33	*59m*	04:33	*45m*	05:18	*16h 09m*	21:28	*45m*	22:14	*59m*	23:13		—:—	*7h 50m*		01:08* – 03:34*	*2h 25m*	M↘ *bis* ND$_-$	Sa, 24. Jun
So, 25. Jun	MESZ			Astr. MD		12:25	01:08	—:—		03:34	*59m*	04:33	*45m*	05:19	*16h 09m*	21:28	*45m*	22:14	*59m*	23:13		—:—	*7h 50m*		01:21* – 03:34*	*2h 12m*	M↘ *bis* ND$_-$	So, 25. Jun
Mo, 26. Jun	MESZ			Astr. MD	◐	13:33	01:21	—:—		03:34	*59m*	04:34	*45m*	05:19	*16h 09m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 51m*		01:34* – 03:35*	*2h 00m*	M↘ *bis* ND$_-$	Mo, 26. Jun
Di, 27. Jun	MESZ			Astr. MD		14:43	01:34	—:—		03:35	*59m*	04:34	*45m*	05:20	*16h 08m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 51m*		01:49* – 03:35*	*1h 46m*	M↘ *bis* ND$_-$	Di, 27. Jun
Mi, 28. Jun	MESZ			Astr. MD		15:56	01:49	—:—		03:35	*59m*	04:35	*45m*	05:20	*16h 08m*	21:28	*45m*	22:13	*59m*	23:13		—:—	*7h 52m*		02:06* – 03:36*	*1h 30m*	M↘ *bis* ND$_-$	Mi, 28. Jun
Do, 29. Jun	MESZ			Astr. MD		17:13	02:06	—:—		03:36	*59m*	04:35	*45m*	05:20	*16h 07m*	21:28	*45m*	22:13	*59m*	23:12		—:—	*7h 53m*		02:27* – 03:37*	*1h 09m*	M↘ *bis* ND$_-$	Do, 29. Jun
Fr, 30. Jun	MESZ			Astr. MD		18:35	02:27	—:—		03:37	*59m*	04:36	*45m*	05:21	*16h 06m*	21:28	*44m*	22:13	*58m*	23:12		—:—	*7h 53m*		02:56* – 03:38*	*41m*	M↘ *bis* ND$_-$	Fr, 30. Jun
Sa, 1. Jul	MESZ			Astr. MD		19:57	02:56	—:—		03:38	*58m*	04:37	*44m*	05:22	*16h 05m*	21:28	*44m*	22:12	*58m*	23:11		—:—	*7h 54m*		03:37* – 03:39*	*1m*	M↘ *bis* ND$_-$	Sa, 1. Jul
So, 2. Jul	MESZ	—:—–—:—	–	Mond stört		21:12	03:37	—:—		03:39	*58m*	04:37	*44m*	05:22	*16h 05m*	21:27	*44m*	22:12	*58m*	23:11	*2h 03m*	01:14*	*7h 55m*	*21m*				So, 2. Jul
Mo, 3. Jul	MESZ	—:—–—:—	–	Mond stört	○	22:14	04:34	01:36	*2h 03m*	03:40	*58m*	04:38	*44m*	05:23	*16h 04m*	21:27	*44m*	22:12	*58m*	23:10	*1h 56m*	01:07*	*7h 56m*	*37m*				Mo, 3. Jul
Di, 4. Jul	MESZ	—:—–—:—	–	Mond stört		23:00	05:49	01:44	*1h 56m*	03:41	*58m*	04:39	*44m*	05:24	*16h 03m*	21:27	*44m*	22:11	*57m*	23:09	*1h 51m*	01:01*	*7h 57m*	*48m*				Di, 4. Jul
Mi, 5. Jul	MESZ	—:—–—:—	–	Mond stört		23:32	07:16	01:50	*1h 51m*	03:42	*57m*	04:40	*44m*	05:24	*16h 01m*	21:26	*44m*	22:11	*57m*	23:08	*1h 47m*	00:56*	*7h 58m*	*58m*				Mi, 5. Jul
Do, 6. Jul	MESZ	—:—–—:—	–	Mond stört		23:57	08:46	01:55	*1h 47m*	03:43	*57m*	04:41	*44m*	05:25	*16h 00m*	21:26	*44m*	22:10	*57m*	23:07	*1h 44m*	00:52*	*8h 00m*	*1h 07m*				Do, 6. Jul
Fr, 7. Jul	MESZ	—:—–—:—	–	Mond stört		—:—	10:13	02:00	*1h 44m*	03:44	*57m*	04:42	*44m*	05:26	*15h 59m*	21:25	*44m*	22:09	*57m*	23:07	*1h 41m*	00:48*	*8h 01m*	*1h 16m*				Fr, 7. Jul
Sa, 8. Jul	MESZ	—:—–—:—	–	Mond stört		00:16	11:37	02:04	*1h 41m*	03:45	*57m*	04:43	*44m*	05:27	*15h 57m*	21:25	*44m*	22:09	*56m*	23:06	*1h 38m*	00:44*	*8h 02m*	*1h 24m*				Sa, 8. Jul
So, 9. Jul	MESZ	00:40* – 00:48*	*8m*	AN$_+$ *bis* M↗		00:33	12:57	02:08	*1h 38m*	03:47	*56m*	04:44	*44m*	05:28	*15h 56m*	21:24	*43m*	22:08	*56m*	23:04	*1h 35m*	00:40*	*8h 04m*	*1h 32m*				So, 9. Jul
Mo, 10. Jul	MESZ	00:37* – 01:05*	*28m*	AN$_+$ *bis* M↗	◑	00:48	14:15	02:12	*1h 35m*	03:48	*56m*	04:45	*43m*	05:28	*15h 55m*	21:24	*43m*	22:07	*56m*	23:03	*1h 33m*	00:37*	*8h 05m*	*1h 39m*				Mo, 10. Jul
Di, 11. Jul	MESZ	00:33* – 01:23*	*50m*	AN$_+$ *bis* M↗		01:05	15:32	02:16	*1h 33m*	03:50	*56m*	04:46	*43m*	05:29	*15h 53m*	21:23	*43m*	22:06	*55m*	23:02	*1h 30m*	00:33*	*8h 07m*	*1h 46m*				Di, 11. Jul
Mi, 12. Jul	MESZ	00:30* – 01:46*	*1h 15m*	AN$_+$ *bis* M↗		01:23	16:49	02:20	*1h 30m*	03:51	*55m*	04:47	*43m*	05:30	*15h 51m*	21:22	*43m*	22:06	*55m*	23:01	*1h 28m*	00:30*	*8h 09m*	*1h 54m*				Mi, 12. Jul
Do, 13. Jul	MESZ	00:26* – 02:14*	*1h 47m*	AN$_+$ *bis* M↗		01:46	18:04	02:24	*1h 28m*	03:53	*55m*	04:48	*43m*	05:31	*15h 50m*	21:21	*43m*	22:05	*54m*	23:00	*1h 26m*	00:26*	*8h 10m*	*2h 01m*				Do, 13. Jul
Fr, 14. Jul	MESZ	00:23* – 02:31*	*2h 07m*	AN$_+$ *bis* AN$_-$		02:14	19:15	02:27	*1h 26m*	03:54	*54m*	04:49	*43m*	05:32	*15h 48m*	21:21	*43m*	22:04	*54m*	22:58	*1h 24m*	00:23*	*8h 12m*	*2h 07m*				Fr, 14. Jul
Sa, 15. Jul	MESZ	00:20* – 02:34*	*2h 14m*	AN$_+$ *bis* AN$_-$		02:51	20:17	02:31	*1h 24m*	03:56	*54m*	04:50	*43m*	05:33	*15h 46m*	21:20	*42m*	22:03	*54m*	22:57	*1h 22m*	00:20*	*8h 14m*	*2h 14m*				Sa, 15. Jul
So, 16. Jul	MESZ	00:16* – 02:38*	*2h 21m*	AN$_+$ *bis* AN$_-$		03:38	21:08	02:34	*1h 22m*	03:57	*54m*	04:52	*42m*	05:34	*15h 44m*	21:19	*42m*	22:02	*53m*	22:55	*1h 21m*	00:16*	*8h 16m*	*2h 21m*				So, 16. Jul
Mo, 17. Jul	MESZ	00:13* – 02:41*	*2h 28m*	AN$_+$ *bis* AN$_-$	●	04:36	21:48	02:38	*1h 21m*	03:59	*53m*	04:53	*42m*	05:36	*15h 42m*	21:18	*42m*	22:00	*53m*	22:54	*1h 19m*	00:13*	*8h 18m*	*2h 28m*				Mo, 17. Jul
Di, 18. Jul	MESZ	00:10* – 02:45*	*2h 34m*	AN$_+$ *bis* AN$_-$		05:41	22:18	02:41	*1h 19m*	04:01	*53m*	04:54	*42m*	05:37	*15h 40m*	21:17	*42m*	21:59	*53m*	22:52	*1h 17m*	00:10*	*8h 20m*	*2h 34m*				Di, 18. Jul
Mi, 19. Jul	MESZ	00:07* – 02:48*	*2h 40m*	AN$_+$ *bis* AN$_-$		06:49	22:40	02:45	*1h 17m*	04:02	*53m*	04:55	*42m*	05:38	*15h 38m*	21:16	*42m*	21:58	*52m*	22:51	*1h 16m*	00:07*	*8h 22m*	*2h 40m*				Mi, 19. 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Do, 20. Jul	MESZ	00:04* – 02:51*	*2h 47m*	AN_+ *bis* AN_-		07:59	22:59	02:48	*1h 16m*	04:04	*52m*	04:57	*42m*	05:39	*15h 36m*	21:15	*41m*	21:57	*52m*	22:49	*1h 14m*	00:04*	*8h 25m*	*2h 47m*				Do, 20. Jul
Fr, 21. Jul	MESZ	00:01* – 02:54*	*2h 53m*	AN_+ *bis* AN_-		09:07	23:14	02:51	*1h 14m*	04:06	*52m*	04:58	*41m*	05:40	*15h 33m*	21:14	*41m*	21:56	*51m*	22:47	*1h 13m*	00:01*	*8h 27m*	*2h 53m*				Fr, 21. Jul
Sa, 22. Jul	MESZ	23:58 – 02:58*	*2h 59m*	AN_+ *bis* AN_-		10:14	23:27	02:54	*1h 13m*	04:08	*51m*	04:59	*41m*	05:41	*15h 31m*	21:13	*41m*	21:54	*51m*	22:46	*1h 11m*	23:58	*8h 29m*	*2h 59m*				Sa, 22. Jul
So, 23. Jul	MESZ	23:55 – 03:01*	*3h 06m*	AN_+ *bis* AN_-		11:21	23:40	02:58	*1h 11m*	04:09	*51m*	05:01	*41m*	05:42	*15h 29m*	21:12	*41m*	21:53	*51m*	22:44	*1h 10m*	23:55	*8h 32m*	*3h 06m*				So, 23. Jul
Mo, 24. Jul	MESZ	23:54 – 03:04*	*3h 09m*	$M_↘$ *bis* AN_-		12:29	23:54	03:01	*1h 10m*	04:11	*51m*	05:02	*41m*	05:44	*15h 26m*	21:10	*41m*	21:52	*50m*	22:42	*1h 09m*	23:52	*8h 34m*	*3h 12m*				Mo, 24. Jul
Di, 25. Jul	MESZ	00:09* – 03:07*	*2h 57m*	$M_↘$ *bis* AN_-		13:39	—:—	03:04	*1h 09m*	04:13	*50m*	05:04	*41m*	05:45	*15h 24m*	21:09	*40m*	21:50	*50m*	22:40	*1h 08m*	23:48	*8h 36m*	*3h 18m*				Di, 25. Jul
Mi, 26. Jul	MESZ	00:28* – 03:10*	*2h 42m*	$M_↘$ *bis* AN_-	◐	14:53	00:09	03:07	*1h 08m*	04:15	*50m*	05:05	*40m*	05:46	*15h 21m*	21:08	*40m*	21:49	*49m*	22:39	*1h 06m*	23:45	*8h 39m*	*3h 24m*				Mi, 26. Jul
Do, 27. Jul	MESZ	00:52* – 03:13*	*2h 20m*	$M_↘$ *bis* AN_-		16:10	00:28	03:10	*1h 06m*	04:17	*49m*	05:07	*40m*	05:47	*15h 19m*	21:07	*40m*	21:47	*49m*	22:37	*1h 05m*	23:42	*8h 42m*	*3h 30m*				Do, 27. Jul
Fr, 28. Jul	MESZ	01:26* – 03:16*	*1h 50m*	$M_↘$ *bis* AN_-		17:30	00:52	03:13	*1h 05m*	04:19	*49m*	05:08	*40m*	05:49	*15h 16m*	21:05	*40m*	21:46	*49m*	22:35	*1h 04m*	23:39	*8h 44m*	*3h 36m*				Fr, 28. Jul
Sa, 29. Jul	MESZ	02:14* – 03:19*	*1h 04m*	$M_↘$ *bis* AN_-		18:48	01:26	03:16	*1h 04m*	04:20	*49m*	05:10	*40m*	05:50	*15h 14m*	21:04	*40m*	21:44	*48m*	22:33	*1h 03m*	23:36	*8h 47m*	*3h 42m*				Sa, 29. Jul
So, 30. Jul	MESZ	03:20* – 03:22*	*1m*	$M_↘$ *bis* AN_-		19:57	02:14	03:19	*1h 03m*	04:22	*48m*	05:11	*40m*	05:51	*15h 11m*	21:03	*39m*	21:43	*48m*	22:31	*1h 02m*	23:33	*8h 49m*	*3h 48m*				So, 30. Jul
Mo, 31. Jul	MESZ	—:— – —:—	–	Mond stört		20:50	03:20	03:22	*1h 02m*	04:24	*48m*	05:13	*39m*	05:53	*15h 08m*	21:01	*39m*	21:41	*47m*	22:29	*1h 01m*	23:31	*8h 52m*	*3h 54m*				Mo, 31. Jul
Di, 1. Aug	MESZ	—:— – —:—	–	Mond stört	○	21:29	04:42	03:25	*1h 01m*	04:26	*47m*	05:14	*39m*	05:54	*15h 05m*	21:00	*39m*	21:39	*47m*	22:27	*1h 00m*	23:28	*8h 55m*	*3h 59m*				Di, 1. Aug
Mi, 2. Aug	MESZ	—:— – —:—	–	Mond stört		21:57	06:13	03:27	*1h 00m*	04:28	*47m*	05:16	*39m*	05:55	*15h 03m*	20:58	*39m*	21:38	*47m*	22:25	*59m*	23:25	*8h 58m*	*4h 05m*				Mi, 2. Aug
Do, 3. Aug	MESZ	—:— – —:—	–	Mond stört		22:19	07:45	03:30	*59m*	04:30	*47m*	05:17	*39m*	05:57	*15h 00m*	20:57	*39m*	21:36	*46m*	22:23	*58m*	23:22	*9h 01m*	*4h 11m*				Do, 3. Aug
Fr, 4. Aug	MESZ	—:— – —:—	–	Mond stört		22:37	09:13	03:33	*58m*	04:32	*46m*	05:19	*39m*	05:58	*14h 57m*	20:55	*39m*	21:34	*46m*	22:21	*57m*	23:19	*9h 03m*	*4h 16m*				Fr, 4. Aug
Sa, 5. Aug	MESZ	—:— – —:—	–	Mond stört		22:53	10:38	03:36	*58m*	04:34	*46m*	05:20	*39m*	05:59	*14h 54m*	20:54	*38m*	21:33	*46m*	22:19	*57m*	23:16	*9h 06m*	*4h 22m*				Sa, 5. Aug
So, 6. Aug	MESZ	—:— – —:—	–	Mond stört		23:10	11:59	03:38	*57m*	04:36	*46m*	05:22	*38m*	06:01	*14h 51m*	20:52	*38m*	21:31	*45m*	22:17	*56m*	23:13	*9h 09m*	*4h 28m*				So, 6. Aug
Mo, 7. Aug	MESZ	23:10 – 23:28	*17m*	AN_+ *bis* $M_↗$		23:28	13:19	03:41	*56m*	04:37	*45m*	05:23	*38m*	06:02	*14h 48m*	20:51	*38m*	21:29	*45m*	22:14	*55m*	23:10	*9h 12m*	*4h 33m*				Mo, 7. Aug
Di, 8. Aug	MESZ	23:07 – 23:49	*41m*	AN_+ *bis* $M_↗$	◑	23:49	14:38	03:44	*55m*	04:39	*45m*	05:25	*38m*	06:03	*14h 45m*	20:49	*38m*	21:27	*45m*	22:12	*54m*	23:07	*9h 15m*	*4h 39m*				Di, 8. Aug
Mi, 9. Aug	MESZ	23:04 – 00:16*	*1h 11m*	AN_+ *bis* $M_↗$		—:—	15:55	03:46	*54m*	04:41	*45m*	05:26	*38m*	06:05	*14h 42m*	20:47	*38m*	21:25	*44m*	22:10	*54m*	23:04	*9h 18m*	*4h 44m*				Mi, 9. Aug
Do, 10. Aug	MESZ	23:01 – 00:50*	*1h 48m*	AN_+ *bis* $M_↗$		00:16	17:08	03:49	*54m*	04:43	*44m*	05:28	*38m*	06:06	*14h 39m*	20:46	*37m*	21:23	*44m*	22:08	*53m*	23:01	*9h 21m*	*4h 50m*				Do, 10. Aug
Fr, 11. Aug	MESZ	22:59 – 01:34*	*2h 35m*	AN_+ *bis* $M_↗$		00:50	18:13	03:52	*53m*	04:45	*44m*	05:30	*37m*	06:07	*14h 36m*	20:44	*37m*	21:22	*44m*	22:06	*52m*	22:59	*9h 25m*	*4h 55m*				Fr, 11. Aug
Sa, 12. Aug	MESZ	22:56 – 02:28*	*3h 32m*	AN_+ *bis* $M_↗$		01:34	19:07	03:54	*52m*	04:47	*44m*	05:31	*37m*	06:09	*14h 33m*	20:42	*37m*	21:20	*43m*	22:04	*52m*	22:56	*9h 28m*	*5h 00m*				Sa, 12. Aug
So, 13. Aug	MESZ	22:53 – 03:31*	*4h 38m*	AN_+ *bis* $M_↗$		02:28	19:49	03:57	*52m*	04:49	*43m*	05:33	*37m*	06:10	*14h 30m*	20:40	*37m*	21:18	*43m*	22:01	*51m*	22:53	*9h 31m*	*5h 06m*				So, 13. Aug
Mo, 14. Aug	MESZ	22:50 – 04:02*	*5h 11m*	AN_+ *bis* AN_-		03:31	20:22	03:59	*51m*	04:51	*43m*	05:34	*37m*	06:12	*14h 26m*	20:39	*37m*	21:16	*43m*	21:59	*50m*	22:50	*9h 34m*	*5h 11m*				Mo, 14. Aug
Di, 15. Aug	MESZ	22:47 – 04:04*	*5h 16m*	AN_+ *bis* AN_-		04:39	20:46	04:02	*50m*	04:53	*43m*	05:36	*37m*	06:13	*14h 23m*	20:37	*37m*	21:14	*42m*	21:57	*50m*	22:47	*9h 37m*	*5h 16m*				Di, 15. Aug
Mi, 16. Aug	MESZ	22:44 – 04:06*	*5h 21m*	AN_+ *bis* AN_-	●	05:49	21:05	04:04	*50m*	04:54	*43m*	05:37	*37m*	06:14	*14h 20m*	20:35	*36m*	21:12	*42m*	21:55	*49m*	22:44	*9h 40m*	*5h 21m*				Mi, 16. Aug
Do, 17. Aug	MESZ	22:42 – 04:09*	*5h 27m*	AN_+ *bis* AN_-		06:58	21:21	04:06	*49m*	04:56	*42m*	05:39	*36m*	06:16	*14h 17m*	20:33	*36m*	21:10	*42m*	21:52	*49m*	22:42	*9h 44m*	*5h 27m*				Do, 17. Aug
Fr, 18. Aug	MESZ	22:39 – 04:11*	*5h 32m*	AN_+ *bis* AN_-		08:05	21:35	04:09	*49m*	04:58	*42m*	05:41	*36m*	06:17	*14h 14m*	20:31	*36m*	21:08	*42m*	21:50	*48m*	22:39	*9h 47m*	*5h 32m*				Fr, 18. Aug
Sa, 19. Aug	MESZ	22:36 – 04:13*	*5h 37m*	AN_+ *bis* AN_-		09:12	21:48	04:11	*48m*	05:00	*42m*	05:42	*36m*	06:19	*14h 10m*	20:30	*36m*	21:06	*41m*	21:48	*48m*	22:36	*9h 50m*	*5h 37m*				Sa, 19. Aug
So, 20. Aug	MESZ	22:33 – 04:16*	*5h 42m*	AN_+ *bis* AN_-		10:20	22:01	04:13	*48m*	05:02	*41m*	05:44	*36m*	06:20	*14h 07m*	20:28	*36m*	21:04	*41m*	21:46	*47m*	22:33	*9h 53m*	*5h 42m*				So, 20. Aug
Mo, 21. Aug	MESZ	22:31 – 04:18*	*5h 47m*	AN_+ *bis* AN_-		11:28	22:15	04:16	*47m*	05:04	*41m*	05:45	*36m*	06:22	*14h 04m*	20:26	*36m*	21:02	*41m*	21:43	*47m*	22:31	*9h 57m*	*5h 47m*				Mo, 21. Aug
Di, 22. Aug	MESZ	22:31 – 04:20*	*5h 48m*	$M_↘$ *bis* AN_-		12:40	22:31	04:18	*47m*	05:05	*41m*	05:47	*36m*	06:23	*14h 00m*	20:24	*35m*	21:00	*41m*	21:41	*46m*	22:28	*10h 00m*	*5h 52m*				Di, 22. Aug
Mi, 23. Aug	MESZ	22:53 – 04:23*	*5h 29m*	$M_↘$ *bis* AN_-		13:54	22:53	04:20	*46m*	05:07	*41m*	05:48	*36m*	06:24	*13h 57m*	20:22	*35m*	20:58	*40m*	21:39	*46m*	22:25	*10h 03m*	*5h 57m*				Mi, 23. Aug
Do, 24. Aug	MESZ	23:21 – 04:25*	*5h 03m*	$M_↘$ *bis* AN_-	◐	15:11	23:21	04:23	*46m*	05:09	*40m*	05:50	*35m*	06:26	*13h 54m*	20:20	*35m*	20:56	*40m*	21:36	*45m*	22:22	*10h 07m*	*6h 02m*				Do, 24. Aug
Fr, 25. Aug	MESZ	00:01* – 04:27*	*4h 25m*	$M_↘$ *bis* AN_-		16:29	—:—	04:25	*46m*	05:11	*40m*	05:51	*35m*	06:27	*13h 50m*	20:18	*35m*	20:54	*40m*	21:34	*45m*	22:20	*10h 10m*	*6h 07m*				Fr, 25. Aug
Sa, 26. Aug	MESZ	00:57* – 04:29*	*3h 32m*	$M_↘$ *bis* AN_-		17:40	00:01	04:27	*45m*	05:12	*40m*	05:53	*35m*	06:29	*13h 47m*	20:16	*35m*	20:52	*40m*	21:32	*45m*	22:17	*10h 13m*	*6h 12m*				Sa, 26. Aug
So, 27. Aug	MESZ	02:11* – 04:31*	*2h 20m*	$M_↘$ *bis* AN_-		18:38	00:57	04:29	*45m*	05:14	*40m*	05:54	*35m*	06:30	*13h 44m*	20:14	*35m*	20:49	*39m*	21:29	*44m*	22:14	*10h 17m*	*6h 16m*				So, 27. Aug
Mo, 28. Aug	MESZ	03:37* – 04:33*	*56m*	$M_↘$ *bis* AN_-		19:23	02:11	04:31	*44m*	05:16	*40m*	05:56	*35m*	06:31	*13h 40m*	20:12	*35m*	20:47	*39m*	21:27	*44m*	22:11	*10h 20m*	*6h 21m*				Mo, 28. Aug
Di, 29. Aug	MESZ	—:— – —:—	–	Mond stört		19:55	03:37	04:33	*44m*	05:18	*39m*	05:58	*35m*	06:33	*13h 37m*	20:10	*35m*	20:45	*39m*	21:25	*44m*	22:09	*10h 24m*	*6h 26m*				Di, 29. Aug
Mi, 30. Aug	MESZ	—:— – —:—	–	Mond stört		20:19	05:09	04:35	*44m*	05:19	*39m*	05:59	*35m*	06:34	*13h 33m*	20:08	*34m*	20:43	*39m*	21:22	*43m*	22:06	*10h 27m*	*6h 31m*				Mi, 30. Aug
Do, 31. Aug	MESZ	—:— – —:—	–	Mond stört	○	20:39	06:40	04:37	*43m*	05:21	*39m*	06:01	*35m*	06:36	*13h 30m*	20:06	*34m*	20:41	*39m*	21:20	*43m*	22:03	*10h 30m*	*6h 35m*				Do, 31. Aug
Fr, 1. Sep	MESZ	—:— – —:—	–	Mond stört		20:57	08:08	04:39	*43m*	05:23	*39m*	06:02	*34m*	06:37	*13h 27m*	20:04	*34m*	20:39	*39m*	21:18	*43m*	22:01	*10h 34m*	*6h 40m*				Fr, 1. Sep
Sa, 2. Sep	MESZ	—:— – —:—	–	Mond stört		21:13	09:33	04:41	*43m*	05:25	*39m*	06:04	*34m*	06:38	*13h 23m*	20:02	*34m*	20:37	*38m*	21:15	*42m*	21:58	*10h 37m*	*6h 45m*				Sa, 2. Sep
So, 3. Sep	MESZ	—:— – —:—	–	Mond stört		21:31	10:57	04:43	*42m*	05:26	*38m*	06:05	*34m*	06:40	*13h 20m*	20:00	*34m*	20:34	*38m*	21:13	*42m*	21:56	*10h 41m*	*6h 49m*				So, 3. Sep
Mo, 4. Sep	MESZ	—:— – —:—	–	Mond stört		21:51	12:19	04:45	*42m*	05:28	*38m*	06:07	*34m*	06:41	*13h 16m*	19:58	*34m*	20:32	*38m*	21:11	*42m*	21:53	*10h 44m*	*6h 54m*				Mo, 4. Sep
Di, 5. Sep	MESZ	21:50 – 22:16	*25m*	AN_+ *bis* $M_↗$		22:16	13:40	04:47	*42m*	05:30	*38m*	06:08	*34m*	06:43	*13h 13m*	19:56	*34m*	20:30	*38m*	21:08	*41m*	21:50	*10h 48m*	*6h 59m*				Di, 5. Sep
Mi, 6. Sep	MESZ	21:48 – 22:48	*1h 00m*	AN_+ *bis* $M_↗$		22:48	14:56	04:49	*41m*	05:31	*38m*	06:10	*34m*	06:44	*13h 09m*	19:54	*34m*	20:28	*38m*	21:06	*41m*	21:48	*10h 51m*	*7h 03m*				Mi, 6. Sep
Do, 7. Sep	MESZ	21:45 – 23:29	*1h 43m*	AN_+ *bis* $M_↗$	◑	23:29	16:06	04:51	*41m*	05:33	*38m*	06:11	*34m*	06:45	*13h 06m*	19:52	*34m*	20:26	*38m*	21:04	*41m*	21:45	*10h 55m*	*7h 08m*				Do, 7. 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Fr, 8. Sep	MESZ	21:43 – 00:21*	*2h 38m*	AN_+ *bis* $M_↗$		—:—	17:04	04:53	*41m*	05:35	*38m*	06:13	*34m*	06:47	*13h 02m*	19:50	*34m*	20:24	*37m*	21:02	*41m*	21:43	*10h 58m*	*7h 12m*				Fr, 8. Sep
Sa, 9. Sep	MESZ	21:40 – 01:22*	*3h 41m*	AN_+ *bis* $M_↗$		00:21	17:51	04:55	*41m*	05:36	*37m*	06:14	*34m*	06:48	*12h 59m*	19:47	*34m*	20:22	*37m*	20:59	*40m*	21:40	*11h 02m*	*7h 16m*				Sa, 9. Sep
So, 10. Sep	MESZ	21:37 – 02:29*	*4h 51m*	AN_+ *bis* $M_↗$		01:22	18:26	04:57	*40m*	05:38	*37m*	06:16	*34m*	06:50	*12h 55m*	19:45	*33m*	20:19	*37m*	20:57	*40m*	21:37	*11h 05m*	*7h 21m*				So, 10. Sep
Mo, 11. Sep	MESZ	21:35 – 03:38*	*6h 03m*	AN_+ *bis* $M_↗$		02:29	18:52	04:59	*40m*	05:39	*37m*	06:17	*34m*	06:51	*12h 52m*	19:43	*33m*	20:17	*37m*	20:55	*40m*	21:35	*11h 09m*	*7h 25m*				Mo, 11. Sep
Di, 12. Sep	MESZ	21:32 – 04:48*	*7h 15m*	AN_+ *bis* $M_↗$		03:38	19:12	05:01	*40m*	05:41	*37m*	06:18	*33m*	06:52	*12h 48m*	19:41	*33m*	20:15	*37m*	20:52	*40m*	21:32	*11h 12m*	*7h 30m*				Di, 12. Sep
Mi, 13. Sep	MESZ	21:30 – 05:04*	*7h 34m*	AN_+ *bis* AN_-		04:48	19:29	05:02	*40m*	05:43	*37m*	06:20	*33m*	06:54	*12h 45m*	19:39	*33m*	20:13	*37m*	20:50	*39m*	21:30	*11h 16m*	*7h 34m*				Mi, 13. Sep
Do, 14. Sep	MESZ	21:27 – 05:06*	*7h 38m*	AN_+ *bis* AN_-		05:56	19:43	05:04	*39m*	05:44	*37m*	06:21	*33m*	06:55	*12h 41m*	19:37	*33m*	20:11	*37m*	20:48	*39m*	21:27	*11h 19m*	*7h 38m*				Do, 14. Sep
Fr, 15. Sep	MESZ	21:25 – 05:08*	*7h 42m*	AN_+ *bis* AN_-	●	07:04	19:56	05:06	*39m*	05:46	*37m*	06:23	*33m*	06:57	*12h 38m*	19:35	*33m*	20:08	*36m*	20:45	*39m*	21:25	*11h 23m*	*7h 42m*				Fr, 15. Sep
Sa, 16. Sep	MESZ	21:22 – 05:10*	*7h 47m*	AN_+ *bis* AN_-		08:11	20:09	05:08	*39m*	05:47	*37m*	06:24	*33m*	06:58	*12h 34m*	19:33	*33m*	20:06	*36m*	20:43	*39m*	21:22	*11h 26m*	*7h 47m*				Sa, 16. Sep
So, 17. Sep	MESZ	21:20 – 05:11*	*7h 51m*	AN_+ *bis* AN_-		09:20	20:22	05:10	*39m*	05:49	*36m*	06:26	*33m*	06:59	*12h 31m*	19:31	*33m*	20:04	*36m*	20:41	*39m*	21:20	*11h 30m*	*7h 51m*				So, 17. Sep
Mo, 18. Sep	MESZ	21:18 – 05:13*	*7h 55m*	AN_+ *bis* AN_-		10:30	20:38	05:11	*39m*	05:50	*36m*	06:27	*33m*	07:01	*12h 27m*	19:28	*33m*	20:02	*36m*	20:39	*38m*	21:18	*11h 33m*	*7h 55m*				Mo, 18. Sep
Di, 19. Sep	MESZ	21:15 – 05:15*	*7h 59m*	AN_+ *bis* AN_-		11:44	20:57	05:13	*38m*	05:52	*36m*	06:29	*33m*	07:02	*12h 24m*	19:26	*33m*	20:00	*36m*	20:36	*38m*	21:15	*11h 37m*	*7h 59m*				Di, 19. Sep
Mi, 20. Sep	MESZ	21:22 – 05:16*	*7h 54m*	$M_↘$ *bis* AN_-		13:00	21:22	05:15	*38m*	05:54	*36m*	06:30	*33m*	07:04	*12h 20m*	19:24	*33m*	19:58	*36m*	20:34	*38m*	21:13	*11h 40m*	*8h 03m*				Mi, 20. Sep
Do, 21. Sep	MESZ	21:57 – 05:18*	*7h 21m*	$M_↘$ *bis* AN_-		14:16	21:57	05:16	*38m*	05:55	*36m*	06:32	*33m*	07:05	*12h 16m*	19:22	*33m*	19:55	*36m*	20:32	*38m*	21:10	*11h 44m*	*8h 07m*				Do, 21. Sep
Fr, 22. Sep	MESZ	22:45 – 05:20*	*6h 34m*	$M_↘$ *bis* AN_-	◐	15:28	22:45	05:18	*38m*	05:57	*36m*	06:33	*33m*	07:07	*12h 13m*	19:20	*33m*	19:53	*36m*	20:30	*38m*	21:08	*11h 47m*	*8h 11m*				Fr, 22. Sep
Sa, 23. Sep	MESZ	23:50 – 05:21*	*5h 31m*	$M_↘$ *bis* AN_-		16:30	23:50	05:20	*38m*	05:58	*36m*	06:35	*33m*	07:08	*12h 09m*	19:18	*33m*	19:51	*36m*	20:27	*38m*	21:06	*11h 51m*	*8h 15m*				Sa, 23. Sep
So, 24. Sep	MESZ	01:09* – 05:23*	*4h 14m*	$M_↘$ *bis* AN_-		17:18	—:—	05:21	*38m*	06:00	*36m*	06:36	*33m*	07:09	*12h 06m*	19:16	*33m*	19:49	*36m*	20:25	*38m*	21:03	*11h 55m*	*8h 19m*				So, 24. Sep
Mo, 25. Sep	MESZ	02:36* – 05:25*	*2h 48m*	$M_↘$ *bis* AN_-		17:54	01:09	05:23	*38m*	06:01	*36m*	06:37	*33m*	07:11	*12h 02m*	19:14	*33m*	19:47	*36m*	20:23	*37m*	21:01	*11h 58m*	*8h 23m*				Mo, 25. Sep
Di, 26. Sep	MESZ	04:05* – 05:26*	*1h 21m*	$M_↘$ *bis* AN_-		18:20	02:36	05:25	*37m*	06:03	*36m*	06:39	*33m*	07:12	*11h 59m*	19:11	*33m*	19:45	*36m*	20:21	*37m*	20:59	*12h 02m*	*8h 27m*				Di, 26. Sep
Mi, 27. Sep	MESZ	—:— – —:—	–	Mond stört		18:41	04:05	05:26	*37m*	06:04	*36m*	06:40	*33m*	07:14	*11h 55m*	19:09	*33m*	19:43	*36m*	20:19	*37m*	20:56	*12h 05m*	*8h 31m*				Mi, 27. Sep
Do, 28. Sep	MESZ	—:— – —:—	–	Mond stört		18:59	05:34	05:28	*37m*	06:06	*36m*	06:42	*33m*	07:15	*11h 52m*	19:07	*33m*	19:41	*35m*	20:16	*37m*	20:54	*12h 09m*	*8h 35m*				Do, 28. Sep
Fr, 29. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:16	07:00	05:30	*37m*	06:07	*36m*	06:43	*33m*	07:17	*11h 48m*	19:05	*33m*	19:38	*35m*	20:14	*37m*	20:52	*12h 12m*	*8h 39m*				Fr, 29. Sep
Sa, 30. Sep	MESZ	—:— – —:—	–	Mond stört		19:33	08:26	05:31	*37m*	06:09	*35m*	06:45	*33m*	07:18	*11h 45m*	19:03	*33m*	19:36	*35m*	20:12	*37m*	20:50	*12h 16m*	*8h 43m*				Sa, 30. Sep
So, 1. Okt	MESZ	—:— – —:—	–	Mond stört		19:52	09:51	05:33	*37m*	06:10	*35m*	06:46	*33m*	07:19	*11h 41m*	19:01	*33m*	19:34	*35m*	20:10	*37m*	20:47	*12h 19m*	*8h 46m*				So, 1. Okt
Mo, 2. Okt	MESZ	—:— – —:—	–	Mond stört		20:15	11:14	05:34	*37m*	06:12	*35m*	06:48	*33m*	07:21	*11h 38m*	18:59	*33m*	19:32	*35m*	20:08	*37m*	20:45	*12h 23m*	*8h 50m*				Mo, 2. Okt
Di, 3. Okt	MESZ	20:43 – 20:44	*1m*	AN_+ *bis* $M_↗$		20:44	12:36	05:36	*37m*	06:13	*35m*	06:49	*33m*	07:22	*11h 34m*	18:57	*33m*	19:30	*35m*	20:06	*37m*	20:43	*12h 26m*	*8h 54m*				Di, 3. Okt
Mi, 4. Okt	MESZ	20:41 – 21:22	*41m*	AN_+ *bis* $M_↗$		21:22	13:51	05:37	*37m*	06:15	*35m*	06:50	*33m*	07:24	*11h 30m*	18:55	*33m*	19:28	*35m*	20:04	*37m*	20:41	*12h 30m*	*8h 58m*				Mi, 4. Okt
Do, 5. Okt	MESZ	20:39 – 22:11	*1h 32m*	AN_+ *bis* $M_↗$		22:11	14:56	05:39	*37m*	06:16	*35m*	06:52	*33m*	07:25	*11h 27m*	18:53	*33m*	19:26	*35m*	20:02	*36m*	20:39	*12h 34m*	*9h 01m*				Do, 5. Okt
Fr, 6. Okt	MESZ	20:37 – 23:10	*2h 33m*	AN_+ *bis* $M_↗$	◑	23:10	15:48	05:41	*36m*	06:18	*35m*	06:53	*33m*	07:27	*11h 23m*	18:51	*33m*	19:24	*35m*	20:00	*36m*	20:37	*12h 37m*	*9h 05m*				Fr, 6. Okt
Sa, 7. Okt	MESZ	20:34 – 00:16*	*3h 41m*	AN_+ *bis* $M_↗$		—:—	16:27	05:42	*36m*	06:19	*35m*	06:55	*33m*	07:28	*11h 20m*	18:49	*33m*	19:22	*35m*	19:58	*36m*	20:34	*12h 41m*	*9h 09m*				Sa, 7. Okt
So, 8. Okt	MESZ	20:32 – 01:26*	*4h 53m*	AN_+ *bis* $M_↗$		00:16	16:56	05:44	*36m*	06:20	*35m*	06:56	*33m*	07:30	*11h 16m*	18:47	*33m*	19:20	*35m*	19:56	*36m*	20:32	*12h 44m*	*9h 12m*				So, 8. Okt
Mo, 9. Okt	MESZ	20:30 – 02:35*	*6h 05m*	AN_+ *bis* $M_↗$		01:26	17:19	05:45	*36m*	06:22	*35m*	06:58	*33m*	07:31	*11h 13m*	18:45	*33m*	19:18	*35m*	19:54	*36m*	20:30	*12h 48m*	*9h 16m*				Mo, 9. Okt
Di, 10. Okt	MESZ	20:28 – 03:44*	*7h 15m*	AN_+ *bis* $M_↗$		02:35	17:36	05:47	*36m*	06:23	*35m*	06:59	*33m*	07:33	*11h 09m*	18:42	*33m*	19:16	*35m*	19:52	*36m*	20:28	*12h 51m*	*9h 19m*				Di, 10. Okt
Mi, 11. Okt	MESZ	20:26 – 04:52*	*8h 25m*	AN_+ *bis* $M_↗$		03:44	17:51	05:48	*36m*	06:25	*35m*	07:01	*33m*	07:34	*11h 06m*	18:40	*33m*	19:14	*35m*	19:50	*36m*	20:26	*12h 55m*	*9h 23m*				Mi, 11. Okt
Do, 12. Okt	MESZ	20:24 – 05:51*	*9h 26m*	AN_+ *bis* AN_-		04:52	18:04	05:50	*36m*	06:26	*35m*	07:02	*33m*	07:36	*11h 02m*	18:38	*33m*	19:12	*35m*	19:48	*36m*	20:24	*12h 58m*	*9h 26m*				Do, 12. Okt
Fr, 13. Okt	MESZ	20:22 – 05:53*	*9h 30m*	AN_+ *bis* AN_-		06:00	18:17	05:51	*36m*	06:28	*35m*	07:03	*33m*	07:37	*10h 59m*	18:36	*33m*	19:10	*35m*	19:46	*36m*	20:22	*13h 02m*	*9h 30m*				Fr, 13. Okt
Sa, 14. Okt	MESZ	20:20 – 05:54*	*9h 33m*	AN_+ *bis* AN_-	●	07:09	18:30	05:53	*36m*	06:29	*35m*	07:05	*33m*	07:39	*10h 55m*	18:35	*33m*	19:08	*35m*	19:44	*36m*	20:20	*13h 05m*	*9h 33m*				Sa, 14. Okt
So, 15. Okt	MESZ	20:18 – 05:56*	*9h 37m*	AN_+ *bis* AN_-		08:19	18:45	05:54	*36m*	06:31	*35m*	07:06	*33m*	07:40	*10h 52m*	18:33	*33m*	19:06	*35m*	19:42	*36m*	20:18	*13h 09m*	*9h 37m*				So, 15. Okt
Mo, 16. Okt	MESZ	20:16 – 05:57*	*9h 40m*	AN_+ *bis* AN_-		09:33	19:03	05:56	*36m*	06:32	*35m*	07:08	*33m*	07:42	*10h 48m*	18:31	*33m*	19:04	*35m*	19:40	*36m*	20:16	*13h 12m*	*9h 40m*				Mo, 16. Okt
Di, 17. Okt	MESZ	20:15 – 05:58*	*9h 43m*	AN_+ *bis* AN_-		10:49	19:26	05:57	*36m*	06:34	*35m*	07:09	*33m*	07:43	*10h 45m*	18:29	*33m*	19:02	*35m*	19:38	*36m*	20:15	*13h 15m*	*9h 43m*				Di, 17. Okt
Mi, 18. Okt	MESZ	20:13 – 06:00*	*9h 47m*	AN_+ *bis* AN_-		12:06	19:57	05:58	*36m*	06:35	*35m*	07:11	*33m*	07:45	*10h 42m*	18:27	*33m*	19:01	*35m*	19:36	*36m*	20:13	*13h 19m*	*9h 47m*				Mi, 18. Okt
Do, 19. Okt	MESZ	20:41 – 06:01*	*9h 20m*	$M_↘$ *bis* AN_-		13:20	20:41	06:00	*36m*	06:36	*35m*	07:12	*33m*	07:46	*10h 38m*	18:25	*33m*	18:59	*35m*	19:35	*36m*	20:11	*13h 22m*	*9h 50m*				Do, 19. Okt
Fr, 20. Okt	MESZ	21:40 – 06:03*	*8h 23m*	$M_↘$ *bis* AN_-		14:25	21:40	06:01	*36m*	06:38	*35m*	07:14	*34m*	07:48	*10h 35m*	18:23	*33m*	18:57	*35m*	19:33	*36m*	20:09	*13h 26m*	*9h 53m*				Fr, 20. Okt
Sa, 21. Okt	MESZ	22:53 – 06:04*	*7h 11m*	$M_↘$ *bis* AN_-		15:16	22:53	06:03	*36m*	06:39	*35m*	07:15	*34m*	07:49	*10h 31m*	18:21	*34m*	18:55	*35m*	19:31	*36m*	20:07	*13h 29m*	*9h 56m*				Sa, 21. Okt
So, 22. Okt	MESZ	00:15* – 06:06*	*5h 50m*	$M_↘$ *bis* AN_-	◐	15:55	—:—	06:04	*36m*	06:41	*35m*	07:17	*34m*	07:51	*10h 28m*	18:19	*34m*	18:53	*35m*	19:29	*36m*	20:06	*13h 33m*	*10h 00m*				So, 22. Okt
Mo, 23. Okt	MESZ	01:41* – 06:07*	*4h 25m*	$M_↘$ *bis* AN_-		16:23	00:15	06:06	*36m*	06:42	*35m*	07:18	*34m*	07:52	*10h 25m*	18:17	*34m*	18:52	*35m*	19:28	*36m*	20:04	*13h 36m*	*10h 03m*				Mo, 23. Okt
Di, 24. Okt	MESZ	03:07* – 06:09*	*3h 01m*	$M_↘$ *bis* AN_-		16:45	01:41	06:07	*36m*	06:44	*36m*	07:20	*34m*	07:54	*10h 21m*	18:16	*34m*	18:50	*35m*	19:26	*36m*	20:02	*13h 39m*	*10h 06m*				Di, 24. Okt
Mi, 25. Okt	MESZ	04:32* – 06:10*	*1h 38m*	$M_↘$ *bis* AN_-		17:03	03:07	06:09	*36m*	06:45	*36m*	07:21	*34m*	07:55	*10h 18m*	18:14	*34m*	18:48	*35m*	19:24	*36m*	20:00	*13h 43m*	*10h 09m*				Mi, 25. Okt
Do, 26. Okt	MESZ	05:55* – 06:11*	*16m*	$M_↘$ *bis* AN_-		17:20	04:32	06:10	*36m*	06:46	*36m*	07:23	*34m*	07:57	*10h 15m*	18:12	*34m*	18:46	*36m*	19:22	*36m*	19:59	*13h 46m*	*10h 12m*				Do, 26. Okt
Fr, 27. Okt	MESZ	—:— – —:—	–	Mond stört		17:36	05:55	06:11	*36m*	06:48	*36m*	07:24	*34m*	07:59	*10h 11m*	18:10	*34m*	18:45	*36m*	19:21	*36m*	19:57	*13h 49m*	*10h 15m*				Fr, 27. 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
2023	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Sa, 28. Okt	MESZ	—:——:—	–	Mond stört	○	17:54	07:19	06:13	*36m*	06:49	*36m*	07:26	*34m*	08:00	*10h 08m*	18:09	*34m*	18:43	*36m*	19:19	*36m*	19:56	*13h 53m*	*10h 18m*				Sa, 28. Okt
So, 29. Okt		—:——:—	–	Mond stört		17:15	07:44	05:14	*36m*	05:51	*36m*	06:27	*34m*	07:02	*10h 05m*	17:07	*34m*	17:42	*36m*	18:18	*36m*	18:54	*13h 56m*	*10h 21m*				So, 29. Okt
Mo, 30. Okt		—:——:—	–	Mond stört		17:41	09:08	05:16	*36m*	05:52	*36m*	06:28	*34m*	07:03	*10h 01m*	17:05	*34m*	17:40	*36m*	18:16	*36m*	18:53	*13h 59m*	*10h 24m*				Mo, 30. Okt
Di, 31. Okt		—:——:—	–	Mond stört		18:15	10:28	05:17	*36m*	05:54	*36m*	06:30	*34m*	07:05	*9h 58m*	17:03	*34m*	17:38	*36m*	18:15	*36m*	18:51	*14h 02m*	*10h 27m*				Di, 31. Okt
Mi, 1. Nov		18:50 – 19:00	*10m*	AN$_+$ *bis* M↗		19:00	11:40	05:18	*36m*	05:55	*36m*	06:31	*35m*	07:06	*9h 55m*	17:02	*34m*	17:37	*36m*	18:13	*36m*	18:50	*14h 06m*	*10h 30m*				Mi, 1. Nov
Do, 2. Nov		18:48 – 19:56	*1h 07m*	AN$_+$ *bis* M↗		19:56	12:39	05:20	*36m*	05:56	*36m*	06:33	*35m*	07:08	*9h 52m*	17:00	*35m*	17:35	*36m*	18:12	*36m*	18:48	*14h 09m*	*10h 33m*				Do, 2. Nov
Fr, 3. Nov		18:47 – 21:01	*2h 13m*	AN$_+$ *bis* M↗		21:01	13:24	05:21	*36m*	05:58	*36m*	06:34	*35m*	07:10	*9h 49m*	16:59	*35m*	17:34	*36m*	18:10	*36m*	18:47	*14h 12m*	*10h 35m*				Fr, 3. Nov
Sa, 4. Nov		18:45 – 22:10	*3h 24m*	AN$_+$ *bis* M↗		22:10	13:58	05:23	*36m*	05:59	*36m*	06:36	*35m*	07:11	*9h 45m*	16:57	*35m*	17:32	*36m*	18:09	*36m*	18:45	*14h 15m*	*10h 38m*				Sa, 4. Nov
So, 5. Nov		18:44 – 23:20	*4h 36m*	AN$_+$ *bis* M↗	◑	23:20	14:23	05:24	*36m*	06:01	*36m*	06:37	*35m*	07:13	*9h 42m*	16:56	*35m*	17:31	*36m*	18:08	*36m*	18:44	*14h 18m*	*10h 41m*				So, 5. Nov
Mo, 6. Nov		18:43 – 00:30*	*5h 46m*	AN$_+$ *bis* M↗		—:—	14:42	05:25	*36m*	06:02	*36m*	06:39	*35m*	07:14	*9h 39m*	16:54	*35m*	17:30	*36m*	18:06	*36m*	18:43	*14h 21m*	*10h 43m*				Mo, 6. Nov
Di, 7. Nov		18:42 – 01:38*	*6h 56m*	AN$_+$ *bis* M↗		00:30	14:57	05:27	*36m*	06:03	*36m*	06:40	*35m*	07:16	*9h 36m*	16:53	*35m*	17:28	*36m*	18:05	*36m*	18:42	*14h 24m*	*10h 46m*				Di, 7. Nov
Mi, 8. Nov		18:40 – 02:45*	*8h 04m*	AN$_+$ *bis* M↗		01:38	15:11	05:28	*36m*	06:05	*36m*	06:42	*35m*	07:17	*9h 33m*	16:51	*35m*	17:27	*36m*	18:04	*36m*	18:40	*14h 27m*	*10h 49m*				Mi, 8. Nov
Do, 9. Nov		18:39 – 03:53*	*9h 14m*	AN$_+$ *bis* M↗		02:45	15:24	05:29	*36m*	06:06	*36m*	06:43	*35m*	07:19	*9h 30m*	16:50	*35m*	17:26	*36m*	18:02	*36m*	18:39	*14h 30m*	*10h 51m*				Do, 9. Nov
Fr, 10. Nov		18:38 – 05:03*	*10h 25m*	AN$_+$ *bis* M↗		03:53	15:37	05:31	*36m*	06:08	*37m*	06:45	*35m*	07:21	*9h 27m*	16:48	*35m*	17:24	*37m*	18:01	*36m*	18:38	*14h 33m*	*10h 54m*				Fr, 10. Nov
Sa, 11. Nov		18:37 – 05:33*	*10h 56m*	AN$_+$ *bis* AN$_-$		05:03	15:51	05:32	*36m*	06:09	*37m*	06:46	*36m*	07:22	*9h 24m*	16:47	*36m*	17:23	*37m*	18:00	*36m*	18:37	*14h 36m*	*10h 56m*				Sa, 11. Nov
So, 12. Nov		18:36 – 05:35*	*10h 58m*	AN$_+$ *bis* AN$_-$		06:16	16:08	05:33	*36m*	06:10	*37m*	06:48	*36m*	07:24	*9h 21m*	16:46	*36m*	17:22	*37m*	17:59	*36m*	18:36	*14h 39m*	*10h 58m*				So, 12. Nov
Mo, 13. Nov		18:35 – 05:36*	*11h 01m*	AN$_+$ *bis* AN$_-$	●	07:33	16:29	05:35	*36m*	06:12	*37m*	06:49	*36m*	07:25	*9h 19m*	16:44	*36m*	17:21	*37m*	17:58	*36m*	18:35	*14h 42m*	*11h 01m*				Mo, 13. Nov
Di, 14. Nov		18:34 – 05:37*	*11h 03m*	AN$_+$ *bis* AN$_-$		08:51	16:58	05:36	*37m*	06:13	*37m*	06:50	*36m*	07:27	*9h 16m*	16:43	*36m*	17:19	*37m*	17:57	*36m*	18:34	*14h 45m*	*11h 03m*				Di, 14. Nov
Mi, 15. Nov		18:33 – 05:39*	*11h 05m*	AN$_+$ *bis* AN$_-$		10:09	17:38	05:37	*37m*	06:14	*37m*	06:52	*36m*	07:28	*9h 13m*	16:42	*36m*	17:18	*37m*	17:56	*37m*	18:33	*14h 48m*	*11h 05m*				Mi, 15. Nov
Do, 16. Nov		18:33 – 05:40*	*11h 07m*	M↘ *bis* AN$_-$		11:18	18:33	05:39	*37m*	06:16	*37m*	06:53	*36m*	07:30	*9h 10m*	16:41	*36m*	17:17	*37m*	17:55	*37m*	18:32	*14h 50m*	*11h 08m*				Do, 16. Nov
Fr, 17. Nov		19:43 – 05:41*	*9h 58m*	M↘ *bis* AN$_-$		12:14	19:43	05:40	*37m*	06:17	*37m*	06:55	*36m*	07:32	*9h 08m*	16:40	*36m*	17:16	*37m*	17:54	*37m*	18:31	*14h 53m*	*11h 10m*				Fr, 17. Nov
Sa, 18. Nov		21:03 – 05:43*	*8h 39m*	M↘ *bis* AN$_-$		12:56	21:03	05:41	*37m*	06:18	*37m*	06:56	*36m*	07:33	*9h 05m*	16:38	*36m*	17:15	*37m*	17:53	*37m*	18:30	*14h 56m*	*11h 12m*				Sa, 18. Nov
So, 19. Nov		22:28 – 05:44*	*7h 16m*	M↘ *bis* AN$_-$		13:27	22:28	05:43	*37m*	06:20	*37m*	06:58	*36m*	07:35	*9h 02m*	16:37	*36m*	17:14	*37m*	17:52	*37m*	18:29	*14h 58m*	*11h 14m*				So, 19. Nov
Mo, 20. Nov		23:52 – 05:45*	*5h 53m*	M↘ *bis* AN$_-$	◐	13:51	23:52	05:44	*37m*	06:21	*37m*	06:59	*37m*	07:36	*9h 00m*	16:36	*37m*	17:13	*37m*	17:51	*37m*	18:29	*15h 01m*	*11h 16m*				Mo, 20. Nov
Di, 21. Nov		01:14* – 05:46*	*4h 32m*	M↘ *bis* AN$_-$		14:09	—:—	05:45	*37m*	06:22	*37m*	07:00	*37m*	07:38	*8h 57m*	16:35	*37m*	17:13	*37m*	17:50	*37m*	18:28	*15h 03m*	*11h 18m*				Di, 21. Nov
Mi, 22. Nov		02:35* – 05:47*	*3h 12m*	M↘ *bis* AN$_-$		14:26	01:14	05:46	*37m*	06:24	*38m*	07:02	*37m*	07:39	*8h 55m*	16:34	*37m*	17:12	*37m*	17:50	*37m*	18:27	*15h 06m*	*11h 20m*				Mi, 22. Nov
Do, 23. Nov		03:56* – 05:49*	*1h 52m*	M↘ *bis* AN$_-$		14:41	02:35	05:47	*37m*	06:25	*38m*	07:03	*37m*	07:40	*8h 53m*	16:34	*37m*	17:11	*38m*	17:49	*37m*	18:26	*15h 08m*	*11h 22m*				Do, 23. Nov
Fr, 24. Nov		05:18* – 05:50*	*31m*	M↘ *bis* AN$_-$		14:58	03:56	05:49	*37m*	06:26	*38m*	07:04	*37m*	07:42	*8h 50m*	16:33	*37m*	17:10	*38m*	17:48	*37m*	18:26	*15h 10m*	*11h 24m*				Fr, 24. Nov
Sa, 25. Nov		—:——:—	–	Mond stört		15:17	05:18	05:50	*37m*	06:27	*38m*	07:06	*37m*	07:43	*8h 48m*	16:32	*37m*	17:09	*38m*	17:48	*37m*	18:25	*15h 12m*	*11h 25m*				Sa, 25. Nov
So, 26. Nov		—:——:—	–	Mond stört		15:40	06:41	05:51	*37m*	06:29	*38m*	07:07	*37m*	07:45	*8h 46m*	16:31	*37m*	17:09	*38m*	17:47	*37m*	18:25	*15h 15m*	*11h 27m*				So, 26. Nov
Mo, 27. Nov		—:——:—	–	Mond stört	○	16:10	08:02	05:52	*37m*	06:30	*38m*	07:08	*37m*	07:46	*8h 44m*	16:30	*37m*	17:08	*38m*	17:47	*37m*	18:24	*15h 17m*	*11h 29m*				Mo, 27. Nov
Di, 28. Nov		—:——:—	–	Mond stört		16:50	09:19	05:53	*37m*	06:31	*38m*	07:09	*37m*	07:47	*8h 42m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:24	*15h 19m*	*11h 30m*				Di, 28. Nov
Mi, 29. Nov		—:——:—	–	Mond stört		17:42	10:25	05:54	*37m*	06:32	*38m*	07:11	*38m*	07:49	*8h 40m*	16:29	*38m*	17:07	*38m*	17:46	*37m*	18:23	*15h 21m*	*11h 32m*				Mi, 29. Nov
Do, 30. Nov		18:23 – 18:44	*20m*	AN$_+$ *bis* M↗		18:44	11:17	05:56	*37m*	06:33	*38m*	07:12	*38m*	07:50	*8h 38m*	16:28	*38m*	17:07	*38m*	17:45	*37m*	18:23	*15h 23m*	*11h 33m*				Do, 30. Nov
Fr, 1. Dez		18:23 – 19:53	*1h 30m*	AN$_+$ *bis* M↗		19:53	11:56	05:57	*37m*	06:34	*38m*	07:13	*38m*	07:51	*8h 36m*	16:28	*38m*	17:06	*38m*	17:45	*37m*	18:23	*15h 24m*	*11h 35m*				Fr, 1. Dez
Sa, 2. Dez		18:22 – 21:04	*2h 41m*	AN$_+$ *bis* M↗		21:04	12:24	05:58	*37m*	06:36	*38m*	07:14	*38m*	07:53	*8h 34m*	16:27	*38m*	17:06	*38m*	17:44	*37m*	18:22	*15h 26m*	*11h 36m*				Sa, 2. Dez
So, 3. Dez		18:22 – 22:14	*3h 51m*	AN$_+$ *bis* M↗		22:14	12:45	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:54	*8h 32m*	16:27	*38m*	17:05	*38m*	17:44	*37m*	18:22	*15h 28m*	*11h 37m*				So, 3. Dez
Mo, 4. Dez		18:22 – 23:22	*5h 00m*	AN$_+$ *bis* M↗		23:22	13:02	06:00	*37m*	06:38	*38m*	07:17	*38m*	07:55	*8h 31m*	16:26	*38m*	17:05	*38m*	17:44	*37m*	18:22	*15h 29m*	*11h 38m*				Mo, 4. Dez
Di, 5. Dez		18:22 – 00:29*	*6h 07m*	AN$_+$ *bis* M↗	◑	—:—	13:17	06:01	*38m*	06:39	*38m*	07:18	*38m*	07:56	*8h 29m*	16:26	*38m*	17:05	*38m*	17:44	*37m*	18:22	*15h 31m*	*11h 40m*				Di, 5. Dez
Mi, 6. Dez		18:22 – 01:37*	*7h 14m*	AN$_+$ *bis* M↗		00:29	13:30	06:02	*38m*	06:40	*38m*	07:19	*38m*	07:57	*8h 28m*	16:26	*38m*	17:05	*38m*	17:44	*38m*	18:22	*15h 32m*	*11h 41m*				Mi, 6. Dez
Do, 7. Dez		18:21 – 02:45*	*8h 23m*	AN$_+$ *bis* M↗		01:37	13:42	06:03	*38m*	06:41	*39m*	07:20	*38m*	07:59	*8h 27m*	16:26	*38m*	17:04	*39m*	17:43	*38m*	18:21	*15h 34m*	*11h 42m*				Do, 7. Dez
Fr, 8. Dez		18:21 – 03:56*	*9h 34m*	AN$_+$ *bis* M↗		02:45	13:56	06:04	*38m*	06:42	*39m*	07:21	*38m*	08:00	*8h 25m*	16:25	*38m*	17:04	*39m*	17:43	*38m*	18:21	*15h 35m*	*11h 43m*				Fr, 8. Dez
Sa, 9. Dez		18:21 – 05:10*	*10h 48m*	AN$_+$ *bis* M↗		03:56	14:11	06:04	*38m*	06:43	*39m*	07:22	*38m*	08:01	*8h 24m*	16:25	*38m*	17:04	*39m*	17:43	*38m*	18:21	*15h 36m*	*11h 43m*				Sa, 9. Dez
So, 10. Dez		18:21 – 06:06*	*11h 44m*	AN$_+$ *bis* AN$_-$		05:10	14:31	06:05	*38m*	06:44	*39m*	07:23	*39m*	08:02	*8h 23m*	16:25	*38m*	17:04	*39m*	17:43	*38m*	18:21	*15h 37m*	*11h 44m*				So, 10. Dez
Mo, 11. Dez		18:22 – 06:07*	*11h 45m*	AN$_+$ *bis* AN$_-$		06:29	14:56	06:06	*38m*	06:44	*39m*	07:24	*39m*	08:03	*8h 22m*	16:25	*39m*	17:04	*39m*	17:43	*38m*	18:22	*15h 38m*	*11h 45m*				Mo, 11. Dez
Di, 12. Dez		18:22 – 06:08*	*11h 46m*	AN$_+$ *bis* AN$_-$		07:48	15:32	06:07	*38m*	06:45	*39m*	07:25	*39m*	08:04	*8h 21m*	16:25	*39m*	17:04	*39m*	17:43	*38m*	18:22	*15h 39m*	*11h 46m*				Di, 12. Dez
Mi, 13. Dez		18:22 – 06:09*	*11h 46m*	AN$_+$ *bis* AN$_-$	●	09:03	16:22	06:08	*38m*	06:46	*39m*	07:25	*39m*	08:05	*8h 20m*	16:25	*39m*	17:04	*39m*	17:44	*38m*	18:22	*15h 40m*	*11h 46m*				Mi, 13. Dez
Do, 14. Dez		18:22 – 06:09*	*11h 47m*	AN$_+$ *bis* AN$_-$		10:06	17:28	06:09	*38m*	06:47	*39m*	07:26	*39m*	08:05	*8h 19m*	16:25	*39m*	17:04	*39m*	17:44	*38m*	18:22	*15h 41m*	*11h 47m*				Do, 14. Dez
Fr, 15. Dez		18:48 – 06:10*	*11h 22m*	M↘ *bis* AN$_-$		10:55	18:48	06:09	*38m*	06:48	*39m*	07:27	*39m*	08:06	*8h 19m*	16:25	*39m*	17:05	*39m*	17:44	*38m*	18:22	*15h 41m*	*11h 47m*				Fr, 15. Dez
Sa, 16. Dez		20:14 – 06:11*	*9h 56m*	M↘ *bis* AN$_-$		11:30	20:14	06:10	*38m*	06:48	*39m*	07:28	*39m*	08:07	*8h 18m*	16:26	*39m*	17:05	*39m*	17:44	*38m*	18:23	*15h 42m*	*11h 48m*				Sa, 16. 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
2023/24	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2023/24
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
So, 17. Dez		21:40 – 06:11*	*8h 31m*	M↘ *bis* AN−		11:55	21:40	06:11	*38m*	06:49	*39m*	07:28	*39m*	08:08	*8h 18m*	16:26	*39m*	17:05	*39m*	17:45	*38m*	18:23	*15h 42m*	*11h 48m*				So, 17. Dez
Mo, 18. Dez		23:03 – 06:12*	*7h 08m*	M↘ *bis* AN−		12:15	23:03	06:11	*38m*	06:50	*39m*	07:29	*39m*	08:08	*8h 17m*	16:26	*39m*	17:05	*39m*	17:45	*38m*	18:23	*15h 43m*	*11h 48m*				Mo, 18. Dez
Di, 19. Dez		00:24* – 06:13*	*5h 48m*	M↘ *bis* AN−	◐	12:32	—:—	06:12	*38m*	06:50	*39m*	07:30	*39m*	08:09	*8h 17m*	16:26	*39m*	17:06	*39m*	17:45	*38m*	18:24	*15h 43m*	*11h 48m*				Di, 19. Dez
Mi, 20. Dez		01:44* – 06:13*	*4h 29m*	M↘ *bis* AN−		12:48	00:24	06:13	*38m*	06:51	*39m*	07:30	*39m*	08:10	*8h 17m*	16:27	*39m*	17:06	*39m*	17:46	*38m*	18:24	*15h 43m*	*11h 49m*				Mi, 20. Dez
Do, 21. Dez		03:03* – 06:14*	*3h 10m*	M↘ *bis* AN−		13:04	01:44	06:13	*38m*	06:51	*39m*	07:31	*39m*	08:10	*8h 17m*	16:27	*39m*	17:07	*39m*	17:46	*38m*	18:24	*15h 43m*	*11h 49m*				Do, 21. Dez
Fr, 22. Dez		04:24* – 06:14*	*1h 50m*	M↘ *bis* AN−		13:21	03:03	06:14	*38m*	06:52	*39m*	07:31	*39m*	08:11	*8h 17m*	16:28	*39m*	17:07	*39m*	17:47	*38m*	18:25	*15h 43m*	*11h 49m*				Fr, 22. Dez
Sa, 23. Dez		05:44* – 06:15*	*30m*	M↘ *bis* AN−		13:42	04:24	06:14	*38m*	06:52	*39m*	07:32	*39m*	08:11	*8h 17m*	16:28	*39m*	17:08	*39m*	17:47	*38m*	18:26	*15h 43m*	*11h 49m*				Sa, 23. Dez
So, 24. Dez		—:— – —:—	–	Mond stört		14:09	05:44	06:15	*38m*	06:53	*39m*	07:32	*39m*	08:12	*8h 17m*	16:29	*39m*	17:08	*39m*	17:48	*38m*	18:26	*15h 43m*	*11h 48m*				So, 24. Dez
Mo, 25. Dez		—:— – —:—	–	Mond stört		14:44	07:01	06:15	*38m*	06:53	*39m*	07:33	*39m*	08:12	*8h 17m*	16:30	*39m*	17:09	*39m*	17:48	*38m*	18:27	*15h 42m*	*11h 48m*				Mo, 25. Dez
Di, 26. Dez		—:— – —:—	–	Mond stört		15:31	08:11	06:15	*38m*	06:54	*39m*	07:33	*39m*	08:12	*8h 17m*	16:30	*39m*	17:10	*39m*	17:49	*38m*	18:27	*15h 42m*	*11h 48m*				Di, 26. Dez
Mi, 27. Dez		—:— – —:—	–	Mond stört	○	16:29	09:08	06:16	*38m*	06:54	*39m*	07:33	*39m*	08:13	*8h 18m*	16:31	*39m*	17:10	*39m*	17:50	*38m*	18:28	*15h 41m*	*11h 47m*				Mi, 27. Dez
Do, 28. Dez		—:— – —:—	–	Mond stört		17:36	09:52	06:16	*38m*	06:54	*39m*	07:34	*39m*	08:13	*8h 18m*	16:32	*39m*	17:11	*39m*	17:50	*38m*	18:29	*15h 41m*	*11h 47m*				Do, 28. Dez
Fr, 29. Dez		18:29 – 18:47	*17m*	AN+ *bis* M↗		18:47	10:24	06:16	*38m*	06:54	*39m*	07:34	*39m*	08:13	*8h 19m*	16:33	*39m*	17:12	*39m*	17:51	*38m*	18:29	*15h 40m*	*11h 46m*				Fr, 29. Dez
Sa, 30. Dez		18:30 – 19:58	*1h 27m*	AN+ *bis* M↗		19:58	10:48	06:16	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 20m*	16:33	*39m*	17:13	*39m*	17:52	*38m*	18:30	*15h 39m*	*11h 46m*				Sa, 30. Dez
So, 31. Dez		18:31 – 21:07	*2h 36m*	AN+ *bis* M↗		21:07	11:07	06:17	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 21m*	16:34	*39m*	17:13	*39m*	17:53	*38m*	18:31	*15h 38m*	*11h 45m*				So, 31. Dez
Mo, 1. Jan		18:32 – 22:15	*3h 43m*	AN+ *bis* M↗		22:15	11:22	06:17	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 22m*	16:35	*39m*	17:14	*39m*	17:54	*38m*	18:32	*15h 37m*	*11h 45m*				Mo, 1. Jan
Di, 2. Jan		18:33 – 23:21	*4h 48m*	AN+ *bis* M↗		23:21	11:35	06:17	*38m*	06:55	*39m*	07:34	*39m*	08:13	*8h 23m*	16:36	*39m*	17:15	*39m*	17:55	*38m*	18:33	*15h 36m*	*11h 44m*				Di, 2. Jan
Mi, 3. Jan		18:34 – 00:28*	*5h 54m*	AN+ *bis* M↗		—:—	11:48	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 24m*	16:37	*38m*	17:16	*39m*	17:55	*38m*	18:34	*15h 35m*	*11h 43m*				Mi, 3. Jan
Do, 4. Jan		18:34 – 01:37*	*7h 02m*	AN+ *bis* M↗	◑	00:28	12:00	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 25m*	16:38	*38m*	17:17	*39m*	17:56	*38m*	18:34	*15h 34m*	*11h 42m*				Do, 4. Jan
Fr, 5. Jan		18:35 – 02:48*	*8h 12m*	AN+ *bis* M↗		01:37	12:15	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 26m*	16:39	*38m*	17:18	*39m*	17:57	*38m*	18:35	*15h 33m*	*11h 41m*				Fr, 5. Jan
Sa, 6. Jan		18:36 – 04:03*	*9h 27m*	AN+ *bis* M↗		02:48	12:32	06:17	*38m*	06:55	*39m*	07:34	*38m*	08:13	*8h 27m*	16:41	*38m*	17:19	*39m*	17:58	*38m*	18:36	*15h 31m*	*11h 40m*				Sa, 6. Jan
So, 7. Jan		18:37 – 05:22*	*10h 44m*	AN+ *bis* M↗		04:03	12:54	06:17	*38m*	06:55	*38m*	07:34	*38m*	08:12	*8h 29m*	16:42	*38m*	17:20	*38m*	17:59	*38m*	18:37	*15h 30m*	*11h 39m*				So, 7. Jan
Mo, 8. Jan		18:38 – 06:16*	*11h 38m*	AN+ *bis* AN−		05:22	13:24	06:17	*37m*	06:55	*38m*	07:33	*38m*	08:12	*8h 30m*	16:43	*38m*	17:22	*38m*	18:00	*37m*	18:38	*15h 28m*	*11h 38m*				Mo, 8. Jan
Di, 9. Jan		18:39 – 06:16*	*11h 36m*	AN+ *bis* AN−		06:39	14:06	06:16	*37m*	06:54	*38m*	07:33	*38m*	08:12	*8h 32m*	16:44	*38m*	17:23	*38m*	18:02	*37m*	18:39	*15h 27m*	*11h 36m*				Di, 9. Jan
Mi, 10. Jan		18:41 – 06:16*	*11h 35m*	AN+ *bis* AN−		07:49	15:06	06:16	*37m*	06:54	*38m*	07:33	*38m*	08:11	*8h 34m*	16:45	*38m*	17:24	*38m*	18:03	*37m*	18:41	*15h 25m*	*11h 35m*				Mi, 10. Jan
Do, 11. Jan		18:42 – 06:16*	*11h 34m*	AN+ *bis* AN−	●	08:45	16:22	06:16	*37m*	06:54	*38m*	07:32	*38m*	08:11	*8h 35m*	16:47	*38m*	17:25	*38m*	18:04	*37m*	18:42	*15h 23m*	*11h 34m*				Do, 11. Jan
Fr, 12. Jan		18:43 – 06:15*	*11h 32m*	AN+ *bis* AN−		09:27	17:49	06:16	*37m*	06:53	*38m*	07:32	*38m*	08:10	*8h 37m*	16:48	*38m*	17:26	*38m*	18:05	*37m*	18:43	*15h 21m*	*11h 32m*				Fr, 12. Jan
Sa, 13. Jan		19:18 – 06:15*	*10h 56m*	M↘ *bis* AN−		09:57	19:18	06:15	*37m*	06:53	*38m*	07:32	*38m*	08:10	*8h 39m*	16:49	*38m*	17:28	*38m*	18:06	*37m*	18:44	*15h 19m*	*11h 31m*				Sa, 13. Jan
So, 14. Jan		20:46 – 06:15*	*9h 28m*	M↘ *bis* AN−		10:19	20:46	06:15	*37m*	06:53	*38m*	07:31	*37m*	08:09	*8h 41m*	16:51	*38m*	17:29	*38m*	18:07	*37m*	18:45	*15h 17m*	*11h 29m*				So, 14. Jan
Mo, 15. Jan		22:11 – 06:14*	*8h 03m*	M↘ *bis* AN−		10:38	22:11	06:15	*37m*	06:52	*38m*	07:31	*37m*	08:08	*8h 43m*	16:52	*37m*	17:30	*38m*	18:08	*37m*	18:46	*15h 15m*	*11h 27m*				Mo, 15. Jan
Di, 16. Jan		23:32 – 06:14*	*6h 41m*	M↘ *bis* AN−		10:54	23:32	06:14	*37m*	06:52	*38m*	07:30	*37m*	08:08	*8h 45m*	16:54	*37m*	17:31	*38m*	18:10	*37m*	18:47	*15h 13m*	*11h 26m*				Di, 16. Jan
Mi, 17. Jan		00:53* – 06:13*	*5h 20m*	M↘ *bis* AN−		11:10	—:—	06:14	*37m*	06:51	*38m*	07:29	*37m*	08:07	*8h 47m*	16:55	*37m*	17:33	*38m*	18:11	*37m*	18:49	*15h 11m*	*11h 24m*				Mi, 17. Jan
Do, 18. Jan		02:13* – 06:12*	*3h 59m*	M↘ *bis* AN−	◐	11:27	00:53	06:13	*37m*	06:50	*38m*	07:29	*37m*	08:06	*8h 50m*	16:56	*37m*	17:34	*38m*	18:12	*37m*	18:50	*15h 08m*	*11h 22m*				Do, 18. Jan
Fr, 19. Jan		03:33* – 06:12*	*2h 38m*	M↘ *bis* AN−		11:46	02:13	06:12	*37m*	06:50	*38m*	07:28	*37m*	08:05	*8h 52m*	16:58	*37m*	17:35	*38m*	18:14	*37m*	18:51	*15h 06m*	*11h 20m*				Fr, 19. Jan
Sa, 20. Jan		04:51* – 06:11*	*1h 20m*	M↘ *bis* AN−		12:11	03:33	06:12	*37m*	06:49	*38m*	07:27	*37m*	08:05	*8h 54m*	16:59	*37m*	17:37	*38m*	18:15	*37m*	18:52	*15h 04m*	*11h 18m*				Sa, 20. Jan
So, 21. Jan		06:02* – 06:10*	*8m*	M↘ *bis* AN−		12:43	04:51	06:11	*37m*	06:48	*37m*	07:26	*37m*	08:04	*8h 57m*	17:01	*37m*	17:38	*37m*	18:16	*37m*	18:53	*15h 01m*	*11h 16m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:25	06:02	06:10	*37m*	06:48	*37m*	07:26	*37m*	08:03	*8h 59m*	17:02	*37m*	17:40	*37m*	18:17	*37m*	18:55	*14h 59m*	*11h 14m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:19	07:02	06:10	*37m*	06:47	*37m*	07:25	*36m*	08:02	*9h 02m*	17:04	*37m*	17:41	*37m*	18:19	*37m*	18:56	*14h 56m*	*11h 12m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:23	07:50	06:09	*37m*	06:46	*37m*	07:24	*36m*	08:01	*9h 04m*	17:06	*36m*	17:42	*37m*	18:20	*37m*	18:57	*14h 53m*	*11h 10m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:33	08:25	06:08	*37m*	06:45	*37m*	07:23	*36m*	08:00	*9h 07m*	17:07	*36m*	17:44	*37m*	18:22	*37m*	18:59	*14h 51m*	*11h 08m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:44	08:51	06:07	*37m*	06:44	*37m*	07:22	*36m*	07:58	*9h 10m*	17:09	*36m*	17:45	*37m*	18:23	*37m*	19:00	*14h 48m*	*11h 06m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:54	09:11	06:06	*37m*	06:43	*37m*	07:21	*36m*	07:57	*9h 12m*	17:10	*36m*	17:47	*37m*	18:24	*37m*	19:01	*14h 45m*	*11h 04m*				Sa, 27. Jan
So, 28. Jan		19:03 – 20:03	*59m*	AN+ *bis* M↗		20:03	09:28	06:05	*36m*	06:42	*37m*	07:20	*36m*	07:56	*9h 15m*	17:12	*36m*	17:48	*37m*	18:26	*37m*	19:03	*14h 43m*	*11h 01m*				So, 28. Jan
Mo, 29. Jan		19:04 – 21:09	*2h 05m*	AN+ *bis* M↗		21:09	09:41	06:04	*36m*	06:41	*37m*	07:19	*36m*	07:55	*9h 18m*	17:13	*36m*	17:50	*37m*	18:27	*36m*	19:04	*14h 40m*	*10h 59m*				Mo, 29. Jan
Di, 30. Jan		19:05 – 22:16	*3h 10m*	AN+ *bis* M↗		22:16	09:54	06:03	*36m*	06:40	*37m*	07:17	*36m*	07:54	*9h 21m*	17:15	*36m*	17:51	*37m*	18:28	*36m*	19:05	*14h 37m*	*10h 56m*				Di, 30. Jan
Mi, 31. Jan		19:07 – 23:23	*4h 15m*	AN+ *bis* M↗		23:23	10:06	06:02	*36m*	06:39	*37m*	07:16	*36m*	07:52	*9h 24m*	17:17	*36m*	17:53	*37m*	18:30	*36m*	19:07	*14h 34m*	*10h 54m*				Mi, 31. Jan
Do, 1. Feb		19:08 – 00:32*	*5h 23m*	AN+ *bis* M↗		—:—	10:19	06:01	*36m*	06:38	*37m*	07:15	*35m*	07:51	*9h 27m*	17:18	*35m*	17:54	*37m*	18:31	*36m*	19:08	*14h 31m*	*10h 51m*				Do, 1. Feb
Fr, 2. Feb		19:10 – 01:44*	*6h 34m*	AN+ *bis* M↗		00:32	10:35	06:00	*36m*	06:37	*36m*	07:14	*35m*	07:50	*9h 30m*	17:20	*35m*	17:56	*36m*	18:33	*36m*	19:10	*14h 28m*	*10h 49m*				Fr, 2. Feb
Sa, 3. Feb		19:11 – 02:59*	*7h 47m*	AN+ *bis* M↗	◑	01:44	10:54	05:59	*36m*	06:36	*36m*	07:13	*35m*	07:48	*9h 33m*	17:22	*35m*	17:57	*36m*	18:34	*36m*	19:11	*14h 25m*	*10h 46m*				Sa, 3. Feb
So, 4. Feb		19:12 – 04:15*	*9h 02m*	AN+ *bis* M↗		02:59	11:19	05:58	*36m*	06:34	*36m*	07:11	*35m*	07:47	*9h 36m*	17:23	*35m*	17:59	*36m*	18:36	*36m*	19:12	*14h 22m*	*10h 44m*				So, 4. Feb