

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Lüdenscheid 51.2183° N 7.6297° E

Berechnung: pyEphem
Textsatz: L^AT_EX

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_v (Monduntergang), AN₋ (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M₇

(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°).

Spalte 10 Dauer der astr. Morgendämmerung.

Spalte 11 Beginn der naut. Morgendämmerung (Sonnenhöhe = -12°).

Spalte 12 Dauer der naut. Morgendämmerung.

Spalte 13 Beginn der bürg. Morgendämmerung (Sonnenhöhe = -6°).

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°).

Spalte 20 Dauer der naut. Abenddämmerung.

Spalte 21 Ende der naut. Abenddämmerung (Sonnenhöhe = -12°).

Spalte 22 Dauer der astr. Abenddämmerung.

Spalte 23 Ende der astr. Abenddämmerung (Sonnenhöhe = -18°).

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

Für Beobachter, die zu Zeiten der Mitternachtsdämmerung während der astr. Dämmerung beobachten 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_v (Monduntergang), ND₋ (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M₇ (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	
2025	Zeit- zone	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne			Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025			
			Δt		Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt			
Mi, 1. Jan		18:37–06:29*	11h 52m	AN ₊ bis AN ₋		10:13	17:58	06:29	40m	07:09	41m	07:51	41m	08:33	8h 00m	16:33	41m	17:15	41m	17:56	40m	18:37	15h 59m	11h 52m					Mi, 1. Jan
Do, 2. Jan		19:24–06:29*	11h 04m	M _\ bis AN ₋		10:37	19:24	06:29	40m	07:09	41m	07:51	41m	08:33	8h 01m	16:34	41m	17:16	41m	17:57	40m	18:38	15h 58m	11h 51m					Do, 2. Jan
Fr, 3. Jan		20:50–06:29*	9h 38m	M _\ bis AN ₋		10:56	20:50	06:29	40m	07:09	41m	07:51	41m	08:32	8h 02m	16:35	41m	17:17	41m	17:58	40m	18:38	15h 57m	11h 50m					Fr, 3. Jan
Sa, 4. Jan		22:14–06:29*	8h 14m	M _\ bis AN ₋		11:10	22:14	06:29	40m	07:09	41m	07:51	41m	08:32	8h 03m	16:36	41m	17:18	41m	17:59	40m	18:39	15h 55m	11h 49m					Sa, 4. Jan
So, 5. Jan		23:38–06:29*	6h 50m	M _\ bis AN ₋		11:23	23:38	06:29	40m	07:09	41m	07:50	41m	08:32	8h 05m	16:37	41m	17:19	41m	18:00	40m	18:40	15h 54m	11h 48m					So, 5. Jan
Mo, 6. Jan		01:02*–06:28*	5h 26m	M _\ bis AN ₋		11:35	—:—	06:29	40m	07:09	41m	07:50	41m	08:32	8h 07m	16:39	41m	17:20	41m	18:01	40m	18:42	15h 52m	11h 46m					Mo, 6. Jan
Di, 7. Jan		02:28*–06:28*	4h 00m	M _\ bis AN ₋	☾	11:49	01:02	06:28	40m	07:08	41m	07:50	41m	08:31	8h 08m	16:40	41m	17:21	41m	18:03	40m	18:43	15h 50m	11h 45m					Di, 7. Jan
Mi, 8. Jan		03:56*–06:28*	2h 31m	M _\ bis AN ₋		12:04	02:28	06:28	40m	07:08	41m	07:49	41m	08:31	8h 10m	16:41	41m	17:22	41m	18:04	40m	18:44	15h 48m	11h 44m					Mi, 8. Jan
Do, 9. Jan		05:25*–06:28*	1h 02m	M _\ bis AN ₋		12:25	03:56	06:28	39m	07:08	41m	07:49	41m	08:30	8h 12m	16:43	41m	17:24	41m	18:05	39m	18:45	15h 47m	11h 42m					Do, 9. Jan
Fr, 10. Jan		—:—:—:—	–	Mond stört		12:54	05:25	06:28	39m	07:08	41m	07:49	41m	08:30	8h 14m	16:44	41m	17:25	41m	18:06	39m	18:46	15h 45m	11h 41m					Fr, 10. Jan
Sa, 11. Jan		—:—:—:—	–	Mond stört		13:37	06:48	06:27	39m	07:07	40m	07:48	40m	08:29	8h 16m	16:45	40m	17:26	40m	18:07	39m	18:47	15h 43m	11h 39m					Sa, 11. Jan
So, 12. Jan		—:—:~:~	–	Mond stört		14:36	07:56	06:27	39m	07:07	40m	07:48	40m	08:28	8h 18m	16:47	40m	17:28	40m	18:08	39m	18:48	15h 40m	11h 38m					So, 12. Jan
Mo, 13. Jan		—:~:~:~:~	–	Mond stört	☾	15:50	08:47	06:26	39m	07:06	40m	07:47	40m	08:28	8h 20m	16:48	40m	17:29	40m	18:10	39m	18:50	15h 38m	11h 36m					Mo, 13. Jan
Di, 14. Jan		—:~:~:~:~	–	Mond stört		17:11	09:21	06:26	39m	07:06	40m	07:46	40m	08:27	8h 22m	16:50	40m	17:30	40m	18:11	39m	18:51	15h 36m	11h 34m					Di, 14. Jan
Mi, 15. Jan		—:~:~:~:~	–	Mond stört		18:33	09:45	06:25	39m	07:05	40m	07:46	40m	08:26	8h 25m	16:51	40m	17:32	40m	18:12	39m	18:52	15h 33m	11h 32m					Mi, 15. Jan
Do, 16. Jan		18:53–19:51	57m	AN ₊ bis M _\		19:51	10:02	06:25	39m	07:04	40m	07:45	40m	08:25	8h 27m	16:53	40m	17:33	40m	18:14	39m	18:53	15h 31m	11h 30m					Do, 16. Jan
Fr, 17. Jan		18:55–21:05	2h 10m	AN ₊ bis M _\		21:05	10:15	06:24	39m	07:04	40m	07:44	40m	08:24	8h 30m	16:54	40m	17:35	40m	18:15	39m	18:55	15h 28m	11h 28m					Fr, 17. Jan
Sa, 18. Jan		18:56–22:17	3h 20m	AN ₊ bis M _\		22:17	10:26	06:23	39m	07:03	40m	07:43	40m	08:23	8h 32m	16:56	40m	17:36	40m	18:16	39m	18:56	15h 26m	11h 26m					Sa, 18. Jan
So, 19. Jan		18:57–23:27	4h 29m	AN ₊ bis M _\		23:27	10:36	06:23	39m	07:02	40m	07:42	39m	08:22	8h 35m	16:58	39m	17:38	40m	18:18	39m	18:57	15h 23m	11h 24m					So, 19. Jan
Mo, 20. Jan		18:59–00:37*	5h 38m	AN ₊ bis M _\		—:—	10:45	06:22	39m	07:01	40m	07:42	39m	08:21	8h 37m	16:59	39m	17:39	40m	18:19	39m	18:59	15h 20m	11h 22m					Mo, 20. Jan
Di, 21. Jan		19:00–01:48*	6h 48m	AN ₊ bis M _\	☾	00:37	10:56	06:21	39m	07:01	40m	07:41	39m	08:20	8h 40m	17:01	39m	17:41	40m	18:21	39m	19:00	15h 18m	11h 20m					Di, 21. Jan
Mi, 22. Jan		19:01–03:01*	8h 00m	AN ₊ bis M _\		01:48	11:09	06:20	39m	07:00	39m	07:40	39m	08:19	8h 43m	17:03	39m	17:42	39m	18:22	39m	19:01	15h 15m	11h 18m					Mi, 22. Jan
Do, 23. Jan		19:03–04:16*	9h 13m	AN ₊ bis M _\		03:01	11:26	06:20	39m	06:59	39m	07:39	39m	08:18	8h 46m	17:04	39m	17:44	39m	18:24	39m	19:03	15h 12m	11h 15m					Do, 23. Jan
Fr, 24. Jan		19:04–05:30*	10h 25m	AN ₊ bis M _\		04:16	11:49	06:19	39m	06:58	39m	07:38	39m	08:17	8h 49m	17:06	39m	17:45	39m	18:25	39m	19:04	15h 09m	11h 13m					Fr, 24. Jan
Sa, 25. Jan		19:06–06:17*	11h 10m	AN ₊ bis AN ₋		05:30	12:22	06:18	39m	06:57	39m	07:36	39m	08:15	8h 52m	17:08	39m	17:47	39m	18:27	39m	19:06	15h 06m	11h 10m					Sa, 25. Jan
So, 26. Jan		19:07–06:16*	11h 08m	AN ₊ bis AN ₋		06:36	13:10	06:17	39m	06:56	39m	07:35	38m	08:14	8h 55m	17:09	38m	17:48	39m	18:28	39m	19:07	15h 03m	11h 08m					So, 26. Jan
Mo, 27. Jan		19:09–06:15*	11h 05m	AN ₊ bis AN ₋		07:31	14:15	06:16	38m	06:55	39m	07:34	38m	08:13	8h 58m	17:11	38m	17:50	39m	18:30	39m	19:09	15h 00m	11h 05m					Mo, 27. Jan
Di, 28. Jan		19:10–06:13*	11h 03m	AN ₊ bis AN ₋		08:11	15:34	06:15	38m	06:53	39m	07:33	38m	08:11	9h 01m	17:13	38m	17:52	39m	18:31	38m	19:10	14h 57m	11h 03m					Di, 28. Jan
Mi, 29. Jan		19:12–06:12*	11h 00m	AN ₊ bis AN ₋	☾	08:40	17:00	06:13	38m	06:52	39m	07:32	38m	08:10	9h 04m	17:15	38m	17:53	39m	18:33	38m	19:12	14h 53m	11h 00m					Mi, 29. Jan
Do, 30. Jan		19:13–06:11*	10h 58m	AN ₊ bis AN ₋		09:01	18:29	06:12	38m	06:51	39m	07:30	38m	08:09	9h 07m	17:17	38m	17:55	39m	18:34	38m	19:13	14h 50m	10h 58m					Do, 30. Jan
Fr, 31. Jan		19:57–06:10*	10h 13m	M _\ bis AN ₋		09:17	19:57	06:11	38m	06:50	39m	07:29	38m	08:07	9h 11m	17:18	38m	17:57	39m	18:36	38m	19:15	14h 47m	10h 55m					Fr, 31. Jan
Sa, 1. Feb		21:23–06:09*	8h 45m	M _\ bis AN ₋		09:30	21:23	06:10	38m	06:49	39m	07:28	38m	08:06	9h 14m	17:20	38m	17:58	39m	18:37	38m	19:16	14h 43m	10h 52m					Sa, 1. Feb
So, 2. Feb		22:49–06:07*	7h 18m	M _\ bis AN ₋		09:43	22:49	06:09	38m	06:47	38m	07:26	37m	08:04	9h 17m	17:22	37m	18:00	38m	18:39	38m	19:18	14h 40m	10h 49m					So, 2. Feb
Mo, 3. Feb		00:15*–06:06*	5h 50m	M _\ bis AN ₋		09:55	—:—	06:07	38m	06:46	38m	07:25	37m	08:03	9h 21m	17:24	37m	18:02	38m	18:40	38m	19:19	14h 37m	10h 46m					Mo, 3. Feb
Di, 4. Feb		01:44*–06:05*	4h 20m	M _\ bis AN ₋		10:10	00:15	06:06	38m	06:44	38m	07:23	37m	08:01	9h 24m	17:26	37m	18:03	38m	18:42	38m	19:21	14h 33m	10h 43m					Di, 4. Feb
Mi, 5. Feb		03:12*–06:03*	2h 50m	M _\ bis AN ₋	☾	10:29	01:44	06:05	38m	06:43	38m	07:22	37m	07:59	9h 28m	17:27	37m	18:05	38m	18:44	38m	19:22	14h 30m	10h 40m					Mi, 5. Feb
Do, 6. Feb		04:36*–06:02*	1h 25m	M _\ bis AN ₋		10:55	03:12	06:03	38m	06:42	38m	07:20	37m	07:58	9h 31m	17:29	37m	18:07	38m	18:45	38m	19:24	14h 26m	10h 37m					Do, 6. Feb
Fr, 7. Feb		05:48*–06:00*	11m	M _\ bis AN ₋		11:32	04:36	06:02	38m	06:40	38m	07:19	37m	07:56	9h 35m	17:31	37m	18:08	38m	18:47	38m	19:25	14h 23m	10h 34m					Fr, 7. Feb
Sa, 8. Feb		—:~:~:~:~	–	Mond stört		12:24	05:48	06:00	38m	06:39	38m	07:17	37m	07:54	9h 38m	17:33	37m	18:10	38m	18:48	38m	19:27	14h 19m	10h 31m					Sa, 8. Feb
So, 9. Feb		—:~:~:~:~	–	Mond stört		13:32	06:44	05:59	38m	06:37	38m	07:15	37m	07:52	9h 42m	17:35	37m	18:12	38m	18:50	38m	19:29	14h 16m	10h 28m					So, 9. Feb
Mo, 10. Feb		—:~:~:~:~	–	Mond stört		14:50	07:22	05:57	38m	06:35	38m	07:14	36m	07:51	9h 45m	17:36	36m	18:13	38m	18:52	38m	19:30	14h 12m	10h 25m					Mo, 10. Feb
Di, 11. Feb		—:~:~:~:~	–	Mond stört		16:12	07:49	05:55	38m	06:34	38m	07:12	36m	07:49	9h 49m	17:38	36m	18:15	38m	18:53	38m	19:32	14h 08m	10h 22m					Di, 11. 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	
2025	Zeit- zone	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne					Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025	
			Δt		Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt			
Do, 20. Feb		19:47–03:12*	7h 25m	AN ₊ bis M ₇	☾	01:58	09:49	05:40	38m	06:18	37m	06:56	35m	07:32	10h 22m	17:54	35m	18:30	37m	19:08	38m	19:47	13h 35m	9h 51m					Do, 20. Feb
Fr, 21. Feb		19:48–04:21*	8h 32m	AN ₊ bis M ₇		03:12	10:17	05:38	38m	06:16	37m	06:54	35m	07:30	10h 26m	17:56	35m	18:32	37m	19:10	38m	19:48	13h 31m	9h 47m					Fr, 21. Feb
Sa, 22. Feb		19:50–05:20*	9h 30m	AN ₊ bis M ₇		04:21	10:57	05:36	38m	06:14	37m	06:52	35m	07:28	10h 30m	17:58	35m	18:34	37m	19:12	38m	19:50	13h 27m	9h 43m					Sa, 22. Feb
So, 23. Feb		19:52–05:32*	9h 40m	AN ₊ bis AN ₋		05:20	11:53	05:34	38m	06:12	37m	06:50	35m	07:26	10h 34m	18:00	35m	18:35	37m	19:13	38m	19:52	13h 23m	9h 40m					So, 23. Feb
Mo, 24. Feb		19:53–05:30*	9h 36m	AN ₊ bis AN ₋		06:06	13:05	05:32	38m	06:10	37m	06:48	35m	07:24	10h 37m	18:01	35m	18:37	37m	19:15	38m	19:53	13h 20m	9h 36m					Mo, 24. Feb
Di, 25. Feb		19:55–05:28*	9h 32m	AN ₊ bis AN ₋		06:39	14:28	05:30	38m	06:08	37m	06:46	35m	07:22	10h 41m	18:03	35m	18:39	37m	19:17	38m	19:55	13h 16m	9h 32m					Di, 25. Feb
Mi, 26. Feb		19:57–05:26*	9h 28m	AN ₊ bis AN ₋		07:03	15:57	05:28	38m	06:06	37m	06:44	35m	07:19	10h 45m	18:05	35m	18:41	37m	19:18	38m	19:57	13h 12m	9h 28m					Mi, 26. Feb
Do, 27. Feb		19:59–05:24*	9h 25m	AN ₊ bis AN ₋		07:21	17:26	05:26	38m	06:04	37m	06:42	35m	07:17	10h 49m	18:07	35m	18:42	37m	19:20	38m	19:59	13h 08m	9h 25m					Do, 27. Feb
Fr, 28. Feb		20:00–05:22*	9h 21m	AN ₊ bis AN ₋	☉	07:36	18:56	05:24	38m	06:02	37m	06:40	35m	07:15	10h 53m	18:09	35m	18:44	37m	19:22	38m	20:00	13h 04m	9h 21m					Fr, 28. Feb
Sa, 1. Mär		20:25–05:19*	8h 54m	M _\ bis AN ₋		07:49	20:25	05:22	38m	06:00	37m	06:38	35m	07:13	10h 57m	18:10	35m	18:46	37m	19:23	38m	20:02	13h 00m	9h 17m					Sa, 1. Mär
So, 2. Mär		21:54–05:17*	7h 23m	M _\ bis AN ₋		08:02	21:54	05:19	38m	05:58	37m	06:36	35m	07:11	11h 01m	18:12	35m	18:47	37m	19:25	38m	20:04	12h 56m	9h 13m					So, 2. Mär
Mo, 3. Mär		23:25–05:15*	5h 49m	M _\ bis AN ₋		08:16	23:25	05:17	38m	05:56	37m	06:34	35m	07:09	11h 04m	18:14	35m	18:49	37m	19:27	38m	20:06	12h 52m	9h 09m					Mo, 3. Mär
Di, 4. Mär		00:57*–05:13*	4h 15m	M _\ bis AN ₋		08:34	—:—	05:15	38m	05:54	37m	06:31	35m	07:07	11h 08m	18:15	35m	18:51	37m	19:28	38m	20:07	12h 48m	9h 05m					Di, 4. Mär
Mi, 5. Mär		02:25*–05:11*	2h 45m	M _\ bis AN ₋		08:57	00:57	05:13	38m	05:52	37m	06:29	35m	07:04	11h 12m	18:17	35m	18:52	37m	19:30	38m	20:09	12h 45m	9h 01m					Mi, 5. Mär
Do, 6. Mär		03:42*–05:08*	1h 26m	M _\ bis AN ₋	☽	09:31	02:25	05:11	38m	05:50	37m	06:27	35m	07:02	11h 16m	18:19	35m	18:54	37m	19:32	39m	20:11	12h 41m	8h 57m					Do, 6. Mär
Fr, 7. Mär		04:42*–05:06*	23m	M _\ bis AN ₋		10:19	03:42	05:08	39m	05:47	37m	06:25	35m	07:00	11h 20m	18:21	35m	18:56	37m	19:34	39m	20:13	12h 37m	8h 53m					Fr, 7. Mär
Sa, 8. Mär		—:—:—:—	–	Mond stört		11:22	04:42	05:06	39m	05:45	37m	06:23	35m	06:58	11h 24m	18:22	35m	18:58	37m	19:35	39m	20:15	12h 33m	8h 49m					Sa, 8. Mär
So, 9. Mär		—:—:—:—	–	Mond stört		12:37	05:25	05:04	39m	05:43	37m	06:21	35m	06:56	11h 28m	18:24	35m	18:59	37m	19:37	39m	20:16	12h 29m	8h 45m					So, 9. Mär
Mo, 10. Mär		—:~:~:~:~	–	Mond stört		13:57	05:54	05:01	39m	05:41	37m	06:18	35m	06:53	11h 32m	18:26	35m	19:01	37m	19:39	39m	20:18	12h 25m	8h 40m					Mo, 10. Mär
Di, 11. Mär		—:~:~:~:~	–	Mond stört		15:16	06:14	04:59	39m	05:38	37m	06:16	35m	06:51	11h 36m	18:27	35m	19:03	37m	19:41	39m	20:20	12h 21m	8h 36m					Di, 11. Mär
Mi, 12. Mär		—:~:~:~:~	–	Mond stört		16:32	06:29	04:57	39m	05:36	37m	06:14	35m	06:49	11h 40m	18:29	35m	19:04	37m	19:42	39m	20:22	12h 17m	8h 32m					Mi, 12. Mär
Do, 13. Mär		—:~:~:~:~	–	Mond stört		17:45	06:41	04:54	39m	05:34	37m	06:12	35m	06:47	11h 44m	18:31	35m	19:06	37m	19:44	39m	20:24	12h 13m	8h 28m					Do, 13. Mär
Fr, 14. Mär		—:~:~:~:~	–	Mond stört	☽	18:57	06:51	04:52	39m	05:32	37m	06:10	35m	06:45	11h 48m	18:33	35m	19:08	38m	19:46	39m	20:26	12h 09m	8h 23m					Fr, 14. Mär
Sa, 15. Mär		—:~:~:~:~	–	Mond stört		20:07	07:01	04:49	39m	05:29	37m	06:07	35m	06:42	11h 51m	18:34	35m	19:09	38m	19:48	40m	20:28	12h 05m	8h 19m					Sa, 15. Mär
So, 16. Mär		20:30–21:18	47m	AN ₊ bis M ₇		21:18	07:11	04:47	40m	05:27	38m	06:05	35m	06:40	11h 55m	18:36	35m	19:11	38m	19:49	40m	20:30	12h 01m	8h 14m					So, 16. Mär
Mo, 17. Mär		20:31–22:29	1h 57m	AN ₊ bis M ₇		22:29	07:22	04:44	40m	05:25	38m	06:03	35m	06:38	11h 59m	18:38	35m	19:13	38m	19:51	40m	20:31	11h 57m	8h 10m					Mo, 17. Mär
Di, 18. Mär		20:33–23:43	3h 09m	AN ₊ bis M ₇		23:43	07:35	04:42	40m	05:22	38m	06:00	35m	06:36	12h 03m	18:39	35m	19:14	38m	19:53	40m	20:33	11h 54m	8h 05m					Di, 18. Mär
Mi, 19. Mär		20:35–00:56*	4h 20m	AN ₊ bis M ₇		—:—	07:53	04:39	40m	05:20	38m	05:58	35m	06:33	12h 07m	18:41	35m	19:16	38m	19:55	40m	20:35	11h 50m	8h 01m					Mi, 19. Mär
Do, 20. Mär		20:37–02:07*	5h 29m	AN ₊ bis M ₇		00:56	08:17	04:37	40m	05:18	38m	05:56	35m	06:31	12h 11m	18:43	35m	19:18	38m	19:56	40m	20:37	11h 46m	7h 56m					Do, 20. Mär
Fr, 21. Mär		20:39–03:09*	6h 30m	AN ₊ bis M ₇		02:07	08:51	04:34	40m	05:15	38m	05:54	35m	06:29	12h 15m	18:44	35m	19:20	38m	19:58	41m	20:39	11h 42m	7h 52m					Fr, 21. Mär
Sa, 22. Mär		20:41–04:00*	7h 18m	AN ₊ bis M ₇	☽	03:09	09:39	04:32	41m	05:13	38m	05:51	35m	06:27	12h 19m	18:46	35m	19:21	38m	20:00	41m	20:41	11h 38m	7h 47m					Sa, 22. Mär
So, 23. Mär		20:43–04:26*	7h 43m	AN ₊ bis AN ₋		04:00	10:42	04:29	41m	05:10	38m	05:49	35m	06:24	12h 23m	18:48	35m	19:23	38m	20:02	41m	20:43	11h 34m	7h 43m					So, 23. Mär
Mo, 24. Mär		20:45–04:24*	7h 38m	AN ₊ bis AN ₋		04:37	11:59	04:26	41m	05:08	38m	05:47	35m	06:22	12h 27m	18:49	35m	19:25	38m	20:04	41m	20:45	11h 30m	7h 38m					Mo, 24. Mär
Di, 25. Mär		20:47–04:21*	7h 33m	AN ₊ bis AN ₋		05:04	13:24	04:24	41m	05:06	38m	05:44	35m	06:20	12h 31m	18:51	35m	19:26	39m	20:06	41m	20:47	11h 26m	7h 33m					Di, 25. Mär
Mi, 26. Mär		20:50–04:18*	7h 28m	AN ₊ bis AN ₋		05:24	14:52	04:21	41m	05:03	39m	05:42	35m	06:17	12h 35m	18:53	35m	19:28	39m	20:07	42m	20:50	11h 22m	7h 28m					Mi, 26. Mär
Do, 27. Mär		20:52–04:16*	7h 24m	AN ₊ bis AN ₋		05:40	16:20	04:18	42m	05:01	39m	05:40	35m	06:15	12h 39m	18:54	35m	19:30	39m	20:09	42m	20:52	11h 18m	7h 24m					Do, 27. Mär
Fr, 28. Mär		20:54–04:13*	7h 19m	AN ₊ bis AN ₋		05:54	17:50	04:16	42m	04:58	39m	05:37	35m	06:13	12h 43m	18:56	35m	19:32	39m	20:11	42m	20:54	11h 14m	7h 19m					Fr, 28. Mär
Sa, 29. Mär		20:56–04:10*	7h 14m	AN ₊ bis AN ₋	☉	06:07	19:20	04:13	42m	04:56	39m	05:35	35m	06:11	12h 46m	18:58	35m	19:33	39m	20:13	42m	20:56	11h 10m	7h 14m					Sa, 29. Mär
So, 30. Mär	MESZ	21:58–05:08*	7h 09m	AN ₊ bis AN ₋		07:21	21:54	05:10	42m	05:53	39m	06:33	35m	07:08	12h 50m	19:59	35m	20:35	39m	21:15	43m	21:58	11h 06m	7h 09m					So, 30. Mär
Mo, 31. Mär	MESZ	23:29–05:05*	5h 36m	M _\ bis AN ₋		07:37	23:29	05:08	43m	05:51	39m	06:30	35m	07:06	12h 54m	20:01	35m	20:37	39m	21:17	43m	22:00	11h 03m	7h 04m					Mo, 31. Mär
Di, 1. Apr	MESZ	01:02*–05:02*	3h 59m	M _\ bis AN ₋		07:59	—:—	05:05	43m	05:48	39m	06:28	35m	07:04	12h 58m	20:03	35m	20:39	40m	21:19	43m	22:03	10h 59m	6h 59m					Di, 1. Apr
Mi, 2. Apr	MESZ	02:28*–04:59*	2h 31m	M _\ bis AN ₋		08:29	01:02	05:02	43m	05:46	40m	06:26	35m	07:02	13h 02m	20:04	36m	20:40	40m	21:21	44								

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
2025	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne				Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025	
	zone		Δt		Ph.	\uparrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\uparrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Fr, 11. Apr	MESZ	—:—:—:—	—	Mond stört		18:56	06:10	04:36	47m	05:23	41m	06:05	36m	06:42	13h 37m	20:19	37m	20:56	42m	21:38	47m	22:26	10h 20m	6h 06m				Fr, 11. Apr
Sa, 12. Apr	MESZ	—:—:—:—	—	Mond stört		20:06	06:20	04:33	47m	05:21	42m	06:03	37m	06:40	13h 41m	20:21	37m	20:58	42m	21:40	48m	22:29	10h 16m	6h 01m				Sa, 12. Apr
So, 13. Apr	MESZ	—:—:~:~:~	—	Mond stört	○	21:17	06:31	04:30	48m	05:18	42m	06:00	37m	06:38	13h 44m	20:22	37m	21:00	42m	21:42	48m	22:31	10h 12m	5h 55m				So, 13. Apr
Mo, 14. Apr	MESZ	—:~:~:~:~	—	Mond stört		22:30	06:43	04:27	48m	05:15	42m	05:58	37m	06:35	13h 48m	20:24	37m	21:02	42m	21:45	49m	22:34	10h 09m	5h 50m				Mo, 14. Apr
Di, 15. Apr	MESZ	22:36–23:44	1h 07m	AN ₊ bis M ₇		23:44	06:59	04:24	49m	05:13	42m	05:56	37m	06:33	13h 52m	20:26	37m	21:03	43m	21:47	49m	22:36	10h 05m	5h 44m				Di, 15. Apr
Mi, 16. Apr	MESZ	22:39–00:55*	2h 16m	AN ₊ bis M ₇		—:—	07:21	04:21	49m	05:10	43m	05:53	37m	06:31	13h 56m	20:27	37m	21:05	43m	21:49	50m	22:39	10h 01m	5h 38m				Mi, 16. Apr
Do, 17. Apr	MESZ	22:42–02:01*	3h 19m	AN ₊ bis M ₇		00:55	07:51	04:18	50m	05:08	43m	05:51	37m	06:29	14h 00m	20:29	37m	21:07	43m	21:51	50m	22:42	9h 57m	5h 32m				Do, 17. Apr
Fr, 18. Apr	MESZ	22:44–02:55*	4h 10m	AN ₊ bis M ₇		02:01	08:34	04:14	50m	05:05	43m	05:49	37m	06:27	14h 03m	20:31	38m	21:09	44m	21:53	51m	22:44	9h 54m	5h 27m				Fr, 18. Apr
Sa, 19. Apr	MESZ	22:47–03:36*	4h 48m	AN ₊ bis M ₇		02:55	09:31	04:11	51m	05:03	44m	05:47	38m	06:25	14h 07m	20:32	38m	21:11	44m	21:55	51m	22:47	9h 50m	5h 21m				Sa, 19. Apr
So, 20. Apr	MESZ	22:50–04:05*	5h 15m	AN ₊ bis AN ₋		03:36	10:41	04:08	51m	05:00	44m	05:44	38m	06:23	14h 11m	20:34	38m	21:12	44m	21:57	52m	22:50	9h 46m	5h 15m				So, 20. Apr
Mo, 21. Apr	MESZ	22:53–04:02*	5h 09m	AN ₊ bis AN ₋	◐	04:06	12:01	04:05	52m	04:58	44m	05:42	38m	06:21	14h 14m	20:36	38m	21:14	45m	21:59	53m	22:53	9h 43m	5h 09m				Mo, 21. Apr
Di, 22. Apr	MESZ	22:55–03:59*	5h 03m	AN ₊ bis AN ₋		04:28	13:24	04:02	53m	04:55	44m	05:40	38m	06:19	14h 18m	20:37	38m	21:16	45m	22:01	54m	22:55	9h 39m	5h 03m				Di, 22. Apr
Mi, 23. Apr	MESZ	22:58–03:55*	4h 56m	AN ₊ bis AN ₋		04:44	14:50	03:59	53m	04:52	45m	05:38	38m	06:17	14h 22m	20:39	39m	21:18	45m	22:04	54m	22:58	9h 35m	4h 56m				Mi, 23. Apr
Do, 24. Apr	MESZ	23:01–03:52*	4h 50m	AN ₊ bis AN ₋		04:59	16:16	03:55	54m	04:50	45m	05:36	39m	06:15	14h 25m	20:41	39m	21:20	46m	22:06	55m	23:01	9h 32m	4h 50m				Do, 24. Apr
Fr, 25. Apr	MESZ	23:04–03:49*	4h 44m	AN ₊ bis AN ₋		05:11	17:44	03:52	55m	04:47	46m	05:33	39m	06:13	14h 29m	20:42	39m	21:22	46m	22:08	56m	23:04	9h 28m	4h 44m				Fr, 25. Apr
Sa, 26. Apr	MESZ	23:07–03:45*	4h 37m	AN ₊ bis AN ₋		05:25	19:15	03:49	56m	04:45	46m	05:31	39m	06:11	14h 33m	20:44	39m	21:23	46m	22:10	57m	23:07	9h 24m	4h 37m				Sa, 26. Apr
So, 27. Apr	MESZ	23:11–03:42*	4h 31m	AN ₊ bis AN ₋	◑	05:40	20:50	03:45	57m	04:42	46m	05:29	39m	06:09	14h 36m	20:46	39m	21:25	47m	22:12	58m	23:11	9h 21m	4h 31m				So, 27. Apr
Mo, 28. Apr	MESZ	23:14–03:38*	4h 24m	AN ₊ bis AN ₋		05:59	22:27	03:42	58m	04:40	47m	05:27	39m	06:07	14h 40m	20:47	40m	21:27	47m	22:15	58m	23:14	9h 17m	4h 24m				Mo, 28. Apr
Di, 29. Apr	MESZ	00:00*–03:35*	3h 35m	M _\ bis AN ₋		06:25	—:—	03:38	58m	04:37	47m	05:25	40m	06:05	14h 43m	20:49	40m	21:29	47m	22:17	59m	23:17	9h 14m	4h 17m				Di, 29. Apr
Mi, 30. Apr	MESZ	01:19*–03:31*	2h 11m	M _\ bis AN ₋		07:03	00:00	03:35	59m	04:35	47m	05:23	40m	06:03	14h 47m	20:50	40m	21:31	48m	22:19	1h 00m	23:20	9h 10m	4h 11m				Mi, 30. Apr
Do, 1. Mai	MESZ	02:19*–03:28*	1h 08m	M _\ bis AN ₋		07:58	01:19	03:31	1h 00m	04:32	48m	05:21	40m	06:01	14h 50m	20:52	40m	21:33	48m	22:22	1h 02m	23:24	9h 07m	4h 04m				Do, 1. Mai
Fr, 2. Mai	MESZ	02:59*–03:24*	25m	M _\ bis AN ₋		09:09	02:19	03:28	1h 02m	04:30	48m	05:19	40m	05:59	14h 54m	20:54	40m	21:35	49m	22:24	1h 03m	23:27	9h 03m	3h 57m				Fr, 2. Mai
Sa, 3. Mai	MESZ	—:~:~:~:~	—	Mond stört		10:29	02:59	03:24	1h 03m	04:27	49m	05:17	40m	05:57	14h 57m	20:55	41m	21:36	49m	22:26	1h 04m	23:30	9h 00m	3h 50m				Sa, 3. Mai
So, 4. Mai	MESZ	—:~:~:~:~	—	Mond stört	◒	11:51	03:26	03:21	1h 04m	04:25	49m	05:15	41m	05:56	15h 01m	20:57	41m	21:38	50m	22:28	1h 05m	23:34	8h 57m	3h 42m				So, 4. Mai
Mo, 5. Mai	MESZ	—:~:~:~:~	—	Mond stört		13:10	03:44	03:17	1h 05m	04:22	50m	05:13	41m	05:54	15h 04m	20:58	41m	21:40	50m	22:31	1h 06m	23:38	8h 53m	3h 35m				Mo, 5. Mai
Di, 6. Mai	MESZ	—:~:~:~:~	—	Mond stört		14:24	03:58	03:13	1h 06m	04:20	50m	05:11	41m	05:52	15h 07m	21:00	41m	21:42	51m	22:33	1h 08m	23:41	8h 50m	3h 27m				Di, 6. Mai
Mi, 7. Mai	MESZ	—:~:~:~:~	—	Mond stört		15:36	04:09	03:09	1h 08m	04:18	51m	05:09	41m	05:50	15h 11m	21:02	42m	21:44	51m	22:35	1h 09m	23:45	8h 47m	3h 20m				Mi, 7. Mai
Do, 8. Mai	MESZ	—:~:~:~:~	—	Mond stört		16:46	04:19	03:05	1h 09m	04:15	51m	05:07	42m	05:49	15h 14m	21:03	42m	21:46	52m	22:38	1h 11m	23:49	8h 43m	3h 12m				Do, 8. Mai
Fr, 9. Mai	MESZ	—:~:~:~:~	—	Mond stört		17:56	04:29	03:01	1h 11m	04:13	52m	05:05	42m	05:47	15h 17m	21:05	42m	21:47	52m	22:40	1h 13m	23:53	8h 40m	3h 04m				Fr, 9. Mai
Sa, 10. Mai	MESZ	—:~:~:~:~	—	Mond stört		19:06	04:39	02:57	1h 13m	04:10	52m	05:03	42m	05:45	15h 20m	21:06	42m	21:49	53m	22:42	1h 14m	23:57	8h 37m	2h 55m				Sa, 10. Mai
So, 11. Mai	MESZ	—:~:~:~:~	—	Mond stört		20:18	04:51	02:53	1h 14m	04:08	53m	05:01	42m	05:44	15h 23m	21:08	43m	21:51	53m	22:45	1h 16m	00:01*	8h 34m	2h 47m				So, 11. Mai
Mo, 12. Mai	MESZ	—:~:~:~:~	—	Mond stört	○	21:32	05:06	02:49	1h 16m	04:06	53m	04:59	43m	05:42	15h 27m	21:09	43m	21:53	54m	22:47	1h 19m	00:06*	8h 31m	2h 38m				Mo, 12. Mai
Di, 13. Mai	MESZ	—:~:~:~:~	—	Mond stört		22:45	05:26	02:44	1h 19m	04:03	54m	04:57	43m	05:41	15h 30m	21:11	43m	21:54	54m	22:49	1h 21m	00:11*	8h 28m	2h 29m				Di, 13. Mai
Mi, 14. Mai	MESZ	—:~:~:~:~	—	Mond stört		23:53	05:54	02:40	1h 21m	04:01	54m	04:56	43m	05:39	15h 33m	21:12	43m	21:56	55m	22:51	1h 23m	00:15*	8h 25m	2h 19m				Mi, 14. Mai
Do, 15. Mai	MESZ	00:20*–00:50*	29m	AN ₊ bis M ₇		—:—	06:32	02:35	1h 23m	03:59	55m	04:54	43m	05:38	15h 36m	21:14	44m	21:58	55m	22:54	1h 26m	00:20*	8h 22m	2h 09m				Do, 15. Mai
Fr, 16. Mai	MESZ	00:26*–01:35*	1h 09m	AN ₊ bis M ₇		00:50	07:25	02:30	1h 26m	03:56	55m	04:52	44m	05:36	15h 39m	21:15	44m	22:00	56m	22:56	1h 29m	00:26*	8h 19m	1h 58m				Fr, 16. Mai
Sa, 17. Mai	MESZ	00:32*–02:08*	1h 36m	AN ₊ bis M ₇		01:35	08:31	02:24	1h 29m	03:54	56m	04:51	44m	05:35	15h 41m	21:17	44m	22:01	56m	22:58	1h 33m	00:32*	8h 16m	1h 46m				Sa, 17. Mai
So, 18. Mai	MESZ	00:38*–02:12*	1h 34m	AN ₊ bis AN ₋		02:08	09:47	02:19	1h 33m	03:52	56m	04:49	44m	05:34	15h 44m	21:18	44m	22:03	57m	23:01	1h 37m	00:38*	8h 13m	1h 34m				So, 18. Mai
Mo, 19. Mai	MESZ	00:45*–02:05*	1h 19m	AN ₊ bis AN ₋		02:32	11:08	02:12	1h 37m	03:50	57m	04:47	44m	05:32	15h 47m	21:20	45m	22:05	58m	23:03	1h 42m	00:45*	8h 11m	1h 19m				Mo, 19. Mai
Di, 20. Mai	MESZ	00:54*–01:57*	1h 02m	AN ₊ bis AN ₋	◑	02:50	12:30	02:05	1h 42m	03:48	58m	04:46	45m	05:31	15h 50m	21:21	45m	22:06	58m	23:05	1h 48m	00:54*	8h 08m	1h 02m				Di, 20. Mai
Mi, 21. Mai	MESZ	01:06*–01:45*	39m	AN ₊ bis AN ₋		03:04	13:53	01:57	1h 48m	03:45	58m	04:44	45m	05:30	15h 52m	21:22	45m	22:08	59m	23:07	1h 58m	01:06*	8h 05m	39m				Mi, 21. Mai
Do, 22. Mai	MESZ			Astr. MD		03:17	15:17	01:45	1h 58m	03:43	59m	04:43	45m	05:28	15h 55m	21:24	45m	22:10	1h 00m	23:10		—:—	8h 03m		23:10–03:29*	4h 19m	ND ₊ bis M ₇	Do, 22. Mai
Fr, 23. Mai	MESZ			Astr. MD																								

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
2025	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne				Ende der Abenddämmerung				Nacht	Astr. N.	Naut. dunkel und kein Mond			2025		
	zone		Δt		Ph.	\uparrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\uparrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Sa, 31. Mai	MESZ			Astr. MD		09:30	01:26	—:—		03:26	1h 04m	04:31	47m	05:19	16h 15m	21:35	48m	22:23	1h 05m	23:28		—:—	7h 43m		01:48* – 03:25*	1h 36m	M _\ bis ND ₋	Sa, 31. Mai
So, 1. Jun	MESZ			Astr. MD		10:52	01:48	—:—		03:25	1h 05m	04:30	48m	05:18	16h 17m	21:36	48m	22:24	1h 06m	23:30		—:—	7h 41m		02:04* – 03:23*	1h 19m	M _\ bis ND ₋	So, 1. Jun
Mo, 2. Jun	MESZ			Astr. MD		12:10	02:04	—:—		03:23	1h 06m	04:29	48m	05:18	16h 19m	21:37	48m	22:25	1h 06m	23:32		—:—	7h 40m		02:16* – 03:22*	1h 05m	M _\ bis ND ₋	Mo, 2. Jun
Di, 3. Jun	MESZ			Astr. MD	☾	13:24	02:16	—:—		03:22	1h 06m	04:29	48m	05:17	16h 20m	21:38	48m	22:27	1h 07m	23:34		—:—	7h 38m		02:27* – 03:20*	53m	M _\ bis ND ₋	Di, 3. Jun
Mi, 4. Jun	MESZ			Astr. MD		14:35	02:27	—:—		03:20	1h 07m	04:28	48m	05:16	16h 22m	21:39	48m	22:28	1h 07m	23:36		—:—	7h 36m		02:37* – 03:19*	42m	M _\ bis ND ₋	Mi, 4. Jun
Do, 5. Jun	MESZ			Astr. MD		15:45	02:37	—:—		03:19	1h 07m	04:27	48m	05:16	16h 24m	21:40	49m	22:29	1h 08m	23:37		—:—	7h 35m		02:47* – 03:18*	30m	M _\ bis ND ₋	Do, 5. Jun
Fr, 6. Jun	MESZ			Astr. MD		16:55	02:47	—:—		03:18	1h 08m	04:26	49m	05:15	16h 25m	21:41	49m	22:30	1h 09m	23:39		—:—	7h 33m		02:59* – 03:16*	17m	M _\ bis ND ₋	Fr, 6. Jun
Sa, 7. Jun	MESZ			Astr. MD		18:07	02:59	—:—		03:16	1h 09m	04:25	49m	05:15	16h 26m	21:42	49m	22:31	1h 09m	23:41		—:—	7h 32m		03:13* – 03:15*	2m	M _\ bis ND ₋	Sa, 7. Jun
So, 8. Jun	MESZ			Astr. MD		19:20	03:13	—:—		03:15	1h 09m	04:25	49m	05:14	16h 28m	21:42	49m	22:32	1h 09m	23:42		—:—	7h 31m		—:—:—:—:—	—	Mond stört	So, 8. Jun
Mo, 9. Jun	MESZ			Astr. MD		20:33	03:31	—:—		03:14	1h 09m	04:24	49m	05:14	16h 29m	21:43	49m	22:33	1h 10m	23:43		—:—	7h 30m		—:—:—:—:—	—	Mond stört	Mo, 9. Jun
Di, 10. Jun	MESZ			Astr. MD		21:43	03:56	—:—		03:13	1h 10m	04:24	49m	05:13	16h 30m	21:44	49m	22:34	1h 10m	23:45		—:—	7h 29m		—:—:—:—:—	—	Mond stört	Di, 10. Jun
Mi, 11. Jun	MESZ			Astr. MD	☽	22:45	04:31	—:—		03:12	1h 10m	04:23	49m	05:13	16h 31m	21:45	49m	22:35	1h 11m	23:46		—:—	7h 28m		—:—:—:—:—	—	Mond stört	Mi, 11. Jun
Do, 12. Jun	MESZ			Astr. MD		23:34	05:20	—:—		03:12	1h 11m	04:23	49m	05:13	16h 32m	21:45	50m	22:35	1h 11m	23:47		—:—	7h 27m		—:—:—:—:—	—	Mond stört	Do, 12. Jun
Fr, 13. Jun	MESZ			Astr. MD		—:—	06:23	—:—		03:11	1h 11m	04:23	50m	05:13	16h 33m	21:46	50m	22:36	1h 11m	23:48		—:—	7h 26m		23:48 – 00:10*	22m	ND ₊ bis M ₇	Fr, 13. Jun
Sa, 14. Jun	MESZ			Astr. MD		00:10	07:37	—:—		03:10	1h 11m	04:22	50m	05:12	16h 33m	21:46	50m	22:37	1h 12m	23:49		—:—	7h 26m		23:49 – 00:36*	47m	ND ₊ bis M ₇	Sa, 14. Jun
So, 15. Jun	MESZ			Astr. MD		00:36	08:57	—:—		03:10	1h 12m	04:22	50m	05:12	16h 34m	21:47	50m	22:37	1h 12m	23:50		—:—	7h 25m		23:50 – 00:56*	1h 05m	ND ₊ bis M ₇	So, 15. Jun
Mo, 16. Jun	MESZ			Astr. MD		00:56	10:19	—:—		03:10	1h 12m	04:22	50m	05:12	16h 34m	21:47	50m	22:38	1h 12m	23:50		—:—	7h 24m		23:50 – 01:11*	1h 20m	ND ₊ bis M ₇	Mo, 16. Jun
Di, 17. Jun	MESZ			Astr. MD		01:11	11:40	—:—		03:09	1h 12m	04:22	50m	05:12	16h 35m	21:48	50m	22:38	1h 12m	23:51		—:—	7h 24m		23:51 – 01:24*	1h 32m	ND ₊ bis M ₇	Di, 17. Jun
Mi, 18. Jun	MESZ			Astr. MD	☾	01:24	13:02	—:—		03:09	1h 12m	04:22	50m	05:12	16h 35m	21:48	50m	22:39	1h 12m	23:52		—:—	7h 24m		23:52 – 01:36*	1h 44m	ND ₊ bis M ₇	Mi, 18. Jun
Do, 19. Jun	MESZ			Astr. MD		01:36	14:24	—:—		03:09	1h 12m	04:22	50m	05:12	16h 35m	21:48	50m	22:39	1h 13m	23:52		—:—	7h 24m		23:52 – 01:49*	1h 56m	ND ₊ bis M ₇	Do, 19. Jun
Fr, 20. Jun	MESZ			Astr. MD		01:49	15:50	—:—		03:09	1h 13m	04:22	50m	05:13	16h 36m	21:49	50m	22:39	1h 13m	23:52		—:—	7h 24m		23:52 – 02:03*	2h 10m	ND ₊ bis M ₇	Fr, 20. Jun
Sa, 21. Jun	MESZ			Astr. MD		02:03	17:19	—:—		03:09	1h 13m	04:22	50m	05:13	16h 36m	21:49	50m	22:39	1h 13m	23:52		—:—	7h 24m		23:52 – 02:22*	2h 29m	ND ₊ bis M ₇	Sa, 21. Jun
So, 22. Jun	MESZ			Astr. MD		02:22	18:52	—:—		03:09	1h 13m	04:23	50m	05:13	16h 35m	21:49	50m	22:40	1h 12m	23:52		—:—	7h 24m		23:52 – 02:48*	2h 55m	ND ₊ bis M ₇	So, 22. Jun
Mo, 23. Jun	MESZ			Astr. MD		02:48	20:23	—:—		03:10	1h 12m	04:23	50m	05:13	16h 35m	21:49	50m	22:40	1h 12m	23:52		—:—	7h 24m		23:52 – 03:10*	3h 17m	ND ₊ bis ND ₋	Mo, 23. Jun
Di, 24. Jun	MESZ			Astr. MD		03:27	21:42	—:—		03:10	1h 12m	04:23	50m	05:14	16h 35m	21:49	50m	22:40	1h 12m	23:52		—:—	7h 24m		23:52 – 03:11*	3h 18m	ND ₊ bis ND ₋	Di, 24. Jun
Mi, 25. Jun	MESZ			Astr. MD	☽	04:23	22:41	—:—		03:11	1h 12m	04:24	50m	05:14	16h 35m	21:49	50m	22:40	1h 12m	23:52		—:—	7h 25m		23:52 – 03:12*	3h 19m	ND ₊ bis ND ₋	Mi, 25. Jun
Do, 26. Jun	MESZ			Astr. MD		05:37	23:22	—:—		03:12	1h 12m	04:24	50m	05:15	16h 34m	21:49	50m	22:39	1h 12m	23:52		—:—	7h 25m		23:52 – 03:12*	3h 20m	ND ₊ bis ND ₋	Do, 26. Jun
Fr, 27. Jun	MESZ			Astr. MD		07:02	23:49	—:—		03:12	1h 12m	04:25	50m	05:15	16h 34m	21:49	50m	22:39	1h 12m	23:51		—:—	7h 26m		23:51 – 03:13*	3h 22m	ND ₊ bis ND ₋	Fr, 27. Jun
Sa, 28. Jun	MESZ			Astr. MD		08:27	—:—	—:—		03:13	1h 12m	04:25	50m	05:16	16h 33m	21:49	50m	22:39	1h 11m	23:51		—:—	7h 27m		00:08* – 03:14*	3h 06m	M _\ bis ND ₋	Sa, 28. Jun
So, 29. Jun	MESZ			Astr. MD		09:49	00:08	—:—		03:14	1h 11m	04:26	50m	05:16	16h 32m	21:49	49m	22:39	1h 11m	23:50		—:—	7h 28m		00:22* – 03:15*	2h 53m	M _\ bis ND ₋	So, 29. Jun
Mo, 30. Jun	MESZ			Astr. MD		11:06	00:22	—:—		03:15	1h 11m	04:27	49m	05:17	16h 31m	21:48	49m	22:38	1h 10m	23:49		—:—	7h 28m		00:33* – 03:17*	2h 43m	M _\ bis ND ₋	Mo, 30. Jun
Di, 1. Jul	MESZ			Astr. MD		12:20	00:33	—:—		03:17	1h 10m	04:28	49m	05:17	16h 30m	21:48	49m	22:38	1h 10m	23:48		—:—	7h 29m		00:44* – 03:18*	2h 34m	M _\ bis ND ₋	Di, 1. Jul
Mi, 2. Jul	MESZ			Astr. MD	☾	13:31	00:44	—:—		03:18	1h 10m	04:28	49m	05:18	16h 29m	21:48	49m	22:37	1h 10m	23:47		—:—	7h 31m		00:54* – 03:19*	2h 25m	M _\ bis ND ₋	Mi, 2. Jul
Do, 3. Jul	MESZ			Astr. MD		14:42	00:54	—:—		03:19	1h 10m	04:29	49m	05:19	16h 28m	21:47	49m	22:37	1h 09m	23:46		—:—	7h 32m		01:05* – 03:21*	2h 15m	M _\ bis ND ₋	Do, 3. Jul
Fr, 4. Jul	MESZ			Astr. MD		15:53	01:05	—:—		03:21	1h 09m	04:30	49m	05:20	16h 27m	21:47	49m	22:36	1h 09m	23:45		—:—	7h 33m		01:18* – 03:22*	2h 04m	M _\ bis ND ₋	Fr, 4. Jul
Sa, 5. Jul	MESZ			Astr. MD		17:06	01:18	—:—		03:22	1h 09m	04:31	49m	05:20	16h 25m	21:46	49m	22:36	1h 08m	23:44		—:—	7h 34m		01:34* – 03:24*	1h 49m	M _\ bis ND ₋	Sa, 5. Jul
So, 6. Jul	MESZ			Astr. MD		18:19	01:34	—:—		03:24	1h 08m	04:32	49m	05:21	16h 24m	21:46	48m	22:35	1h 08m	23:43		—:—	7h 36m		01:57* – 03:25*	1h 28m	M _\ bis ND ₋	So, 6. Jul
Mo, 7. Jul	MESZ			Astr. MD		19:31	01:57	—:—		03:25	1h 08m	04:33	48m	05:22	16h 23m	21:45	48m	22:34	1h 07m	23:42		—:—	7h 37m		02:28* – 03:27*	58m	M _\ bis ND ₋	Mo, 7. Jul
Di, 8. Jul	MESZ			Astr. MD		20:36	02:28	—:—		03:27	1h 07m	04:34	48m	05:23	16h 21m	21:45	48m	22:33	1h 06m	23:40		—:—	7h 39m		03:12* – 03:29*	16m	M _\ bis ND ₋	Di, 8. Jul
Mi, 9. Jul	MESZ			Astr. MD		21:30	03:12	—:—		03:29	1h 06m	04:36	48m	05:24	16h 19m	21:44	48m	22:32	1h 06m	23:39		—:—	7h 41m		—:—:—:—:—	—	Mond stört	Mi, 9. Jul
Do, 10. Jul	MESZ			Astr. MD	☽	22:11	04:11	—:—		03:30	1h 06m	04:37	48m	05:25	16h 17m	21:43	48m	22:31	1h 05m	23:37		—:—	7h 43m		—:—:—:—:—	—	Mond stört	Do, 10. Jul
Fr, 11. Jul	MESZ			Astr. MD		22:40	05:24	—:—		03:32	1h 05m	04:38	48m	05:26	16h 16m	21:42	47m	22:30	1h 05m	23:35		—:—	7h 44m		—:—:—:—:—	—	Mond stört	Fr, 11. Jul
Sa, 12. Jul	MESZ			Astr. MD		23:01	06:44	—:—		03:34	1h 05m	04:39	47m	05:27	16h 14m	21:41	47m	22:29	1h 04m	23:34		—:—	7h 46m		—:—:—:—:—	—	Mond stört	Sa, 12. Jul
So, 13. Jul	MESZ			Astr. MD		23:18	08:06	—:—		03:36	1h 04m	04:41	47m	05:28	16h 12m	21:41	47m											

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
2025	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne			Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025		
	zone		Δt		Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
So, 20. Jul	MESZ	—:—:—:—	—	Mond stört		00:48	18:02	—:—		03:51	1h 00m	04:51	46m	05:37	15h 56m	21:33	45m	22:19	59m	23:18	2h 03m	01:22*	8h 05m	26m				So, 20. Jul
Mo, 21. Jul	MESZ	01:08*–02:03*	55m	AN ₊ bis AN ₋		01:21	19:24	01:49	2h 03m	03:53	59m	04:52	45m	05:38	15h 53m	21:32	45m	22:17	59m	23:16	1h 51m	01:08*	8h 07m	55m				Mo, 21. Jul
Di, 22. Jul	MESZ	00:59*–02:13*	1h 13m	AN ₊ bis AN ₋		02:08	20:30	02:03	1h 51m	03:55	59m	04:54	45m	05:39	15h 51m	21:31	45m	22:16	58m	23:14	1h 44m	00:59*	8h 10m	1h 13m				Di, 22. Jul
Mi, 23. Jul	MESZ	00:51*–02:20*	1h 28m	AN ₊ bis AN ₋		03:14	21:17	02:13	1h 44m	03:57	58m	04:56	45m	05:41	15h 48m	21:29	44m	22:14	57m	23:12	1h 39m	00:51*	8h 12m	1h 28m				Mi, 23. Jul
Do, 24. Jul	MESZ	00:45*–02:27*	1h 41m	AN ₊ bis AN ₋	●	04:34	21:49	02:20	1h 39m	03:59	57m	04:57	44m	05:42	15h 45m	21:28	44m	22:13	57m	23:10	1h 34m	00:45*	8h 15m	1h 41m				Do, 24. Jul
Fr, 25. Jul	MESZ	00:39*–02:33*	1h 53m	AN ₊ bis AN ₋		06:00	22:11	02:27	1h 34m	04:02	57m	04:59	44m	05:44	15h 43m	21:27	44m	22:11	56m	23:08	1h 31m	00:39*	8h 18m	1h 53m				Fr, 25. Jul
Sa, 26. Jul	MESZ	00:33*–02:38*	2h 04m	AN ₊ bis AN ₋		07:24	22:27	02:33	1h 31m	04:04	56m	05:01	44m	05:45	15h 40m	21:25	44m	22:09	56m	23:05	1h 27m	00:33*	8h 21m	2h 04m				Sa, 26. Jul
So, 27. Jul	MESZ	00:28*–02:43*	2h 15m	AN ₊ bis AN ₋		08:45	22:39	02:38	1h 27m	04:06	56m	05:02	44m	05:46	15h 37m	21:24	43m	22:08	55m	23:03	1h 25m	00:28*	8h 24m	2h 15m				So, 27. Jul
Mo, 28. Jul	MESZ	00:23*–02:48*	2h 24m	AN ₊ bis AN ₋		10:01	22:50	02:43	1h 25m	04:08	55m	05:04	43m	05:48	15h 34m	21:22	43m	22:06	54m	23:01	1h 22m	00:23*	8h 27m	2h 24m				Mo, 28. Jul
Di, 29. Jul	MESZ	00:19*–02:53*	2h 34m	AN ₊ bis AN ₋		11:14	23:00	02:48	1h 22m	04:11	54m	05:06	43m	05:49	15h 31m	21:21	43m	22:04	54m	22:59	1h 20m	00:19*	8h 30m	2h 34m				Di, 29. Jul
Mi, 30. Jul	MESZ	00:14*–02:57*	2h 43m	AN ₊ bis AN ₋		12:25	23:11	02:53	1h 20m	04:13	54m	05:07	43m	05:51	15h 28m	21:19	43m	22:02	53m	22:56	1h 17m	00:14*	8h 33m	2h 43m				Mi, 30. Jul
Do, 31. Jul	MESZ	00:10*–03:02*	2h 51m	AN ₊ bis AN ₋		13:37	23:23	02:57	1h 17m	04:15	53m	05:09	43m	05:52	15h 25m	21:18	42m	22:01	53m	22:54	1h 15m	00:10*	8h 36m	2h 51m				Do, 31. Jul
Fr, 1. Aug	MESZ	00:05*–03:06*	3h 00m	AN ₊ bis AN ₋	☾	14:50	23:38	03:02	1h 15m	04:17	53m	05:11	42m	05:54	15h 22m	21:16	42m	21:59	52m	22:51	1h 13m	00:05*	8h 39m	3h 00m				Fr, 1. Aug
Sa, 2. Aug	MESZ	00:01*–03:10*	3h 08m	AN ₊ bis AN ₋		16:03	23:58	03:06	1h 13m	04:20	52m	05:12	42m	05:55	15h 19m	21:14	42m	21:57	52m	22:49	1h 12m	00:01*	8h 42m	3h 08m				Sa, 2. Aug
So, 3. Aug	MESZ	00:25*–03:14*	2h 48m	M _\ bis AN ₋		17:16	—:—	03:10	1h 12m	04:22	52m	05:14	42m	05:57	15h 15m	21:13	42m	21:55	51m	22:47	1h 10m	23:57	8h 45m	3h 16m				So, 3. Aug
Mo, 4. Aug	MESZ	01:03*–03:17*	2h 14m	M _\ bis AN ₋		18:24	00:25	03:14	1h 10m	04:24	51m	05:16	42m	05:58	15h 12m	21:11	41m	21:53	51m	22:44	1h 09m	23:53	8h 48m	3h 24m				Mo, 4. Aug
Di, 5. Aug	MESZ	01:56*–03:21*	1h 24m	M _\ bis AN ₋		19:22	01:03	03:17	1h 09m	04:26	51m	05:18	41m	06:00	15h 09m	21:09	41m	21:51	50m	22:42	1h 07m	23:49	8h 52m	3h 31m				Di, 5. Aug
Mi, 6. Aug	MESZ	03:04*–03:25*	20m	M _\ bis AN ₋		20:08	01:56	03:21	1h 07m	04:29	50m	05:20	41m	06:01	15h 06m	21:07	41m	21:49	50m	22:39	1h 06m	23:46	8h 55m	3h 39m				Mi, 6. Aug
Do, 7. Aug	MESZ	—:—:—:—	—	Mond stört		20:42	03:04	03:25	1h 06m	04:31	50m	05:21	41m	06:03	15h 02m	21:06	41m	21:47	49m	22:37	1h 05m	23:42	8h 58m	3h 46m				Do, 7. Aug
Fr, 8. Aug	MESZ	—:—:—:—	—	Mond stört		21:06	04:23	03:28	1h 05m	04:33	49m	05:23	41m	06:04	14h 59m	21:04	41m	21:45	49m	22:34	1h 03m	23:38	9h 01m	3h 53m				Fr, 8. Aug
Sa, 9. Aug	MESZ	—:~:~:~:~	~	Mond stört	☾	21:24	05:46	03:32	1h 03m	04:35	49m	05:25	41m	06:06	14h 56m	21:02	40m	21:43	49m	22:32	1h 02m	23:35	9h 05m	4h 00m				Sa, 9. Aug
So, 10. Aug	MESZ	—:~:~:~:~	~	Mond stört		21:39	07:11	03:35	1h 02m	04:38	49m	05:27	40m	06:07	14h 52m	21:00	40m	21:41	48m	22:29	1h 01m	23:31	9h 08m	4h 07m				So, 10. Aug
Mo, 11. Aug	MESZ	—:~:~:~:~	~	Mond stört		21:51	08:35	03:38	1h 01m	04:40	48m	05:28	40m	06:09	14h 49m	20:58	40m	21:39	48m	22:27	1h 00m	23:27	9h 12m	4h 14m				Mo, 11. Aug
Di, 12. Aug	MESZ	—:~:~:~:~	~	Mond stört		22:03	09:58	03:41	1h 00m	04:42	48m	05:30	40m	06:11	14h 45m	20:56	40m	21:37	47m	22:24	59m	23:24	9h 15m	4h 20m				Di, 12. Aug
Mi, 13. Aug	MESZ	—:~:~:~:~	~	Mond stört		22:17	11:23	03:45	59m	04:44	47m	05:32	40m	06:12	14h 42m	20:55	39m	21:34	47m	22:22	58m	23:20	9h 19m	4h 27m				Mi, 13. Aug
Do, 14. Aug	MESZ	—:~:~:~:~	~	Mond stört		22:32	12:50	03:48	58m	04:46	47m	05:34	39m	06:14	14h 38m	20:53	39m	21:32	46m	22:19	57m	23:17	9h 22m	4h 33m				Do, 14. Aug
Fr, 15. Aug	MESZ	—:~:~:~:~	~	Mond stört		22:52	14:19	03:51	57m	04:48	47m	05:35	39m	06:15	14h 35m	20:51	39m	21:30	46m	22:17	56m	23:14	9h 26m	4h 40m				Fr, 15. Aug
Sa, 16. Aug	MESZ	23:10–23:20	10m	AN ₊ bis M ₇	☾	23:20	15:48	03:54	56m	04:51	46m	05:37	39m	06:17	14h 31m	20:49	39m	21:28	46m	22:14	56m	23:10	9h 29m	4h 46m				Sa, 16. Aug
So, 17. Aug	MESZ	23:07–00:02*	54m	AN ₊ bis M ₇		—:—	17:12	03:57	56m	04:53	46m	05:39	39m	06:18	14h 28m	20:47	39m	21:26	45m	22:12	55m	23:07	9h 33m	4h 52m				So, 17. Aug
Mo, 18. Aug	MESZ	23:04–01:00*	1h 56m	AN ₊ bis M ₇		00:02	18:23	04:00	55m	04:55	45m	05:41	39m	06:20	14h 24m	20:45	38m	21:24	45m	22:09	54m	23:04	9h 36m	4h 58m				Mo, 18. Aug
Di, 19. Aug	MESZ	23:00–02:14*	3h 13m	AN ₊ bis M ₇		01:00	19:15	04:02	54m	04:57	45m	05:43	38m	06:21	14h 21m	20:43	38m	21:21	45m	22:07	53m	23:00	9h 40m	5h 04m				Di, 19. Aug
Mi, 20. Aug	MESZ	22:57–03:37*	4h 40m	AN ₊ bis M ₇		02:14	19:51	04:05	53m	04:59	45m	05:44	38m	06:23	14h 17m	20:41	38m	21:19	44m	22:04	53m	22:57	9h 44m	5h 10m				Mi, 20. Aug
Do, 21. Aug	MESZ	22:54–04:11*	5h 16m	AN ₊ bis AN ₋		03:37	20:15	04:08	53m	05:01	44m	05:46	38m	06:25	14h 13m	20:38	38m	21:17	44m	22:01	52m	22:54	9h 47m	5h 16m				Do, 21. Aug
Fr, 22. Aug	MESZ	22:51–04:13*	5h 22m	AN ₊ bis AN ₋		05:02	20:33	04:11	52m	05:03	44m	05:48	38m	06:26	14h 10m	20:36	38m	21:15	44m	21:59	51m	22:51	9h 51m	5h 22m				Fr, 22. Aug
Sa, 23. Aug	MESZ	22:47–04:16*	5h 28m	AN ₊ bis AN ₋	●	06:23	20:46	04:13	51m	05:05	44m	05:50	38m	06:28	14h 06m	20:34	38m	21:12	43m	21:56	51m	22:47	9h 55m	5h 28m				Sa, 23. Aug
So, 24. Aug	MESZ	22:44–04:19*	5h 34m	AN ₊ bis AN ₋		07:41	20:57	04:16	51m	05:07	43m	05:51	38m	06:29	14h 02m	20:32	37m	21:10	43m	21:54	50m	22:44	9h 58m	5h 34m				So, 24. Aug
Mo, 25. Aug	MESZ	22:41–04:21*	5h 40m	AN ₊ bis AN ₋		08:55	21:08	04:19	50m	05:09	43m	05:53	37m	06:31	13h 59m	20:30	37m	21:08	43m	21:51	50m	22:41	10h 02m	5h 40m				Mo, 25. Aug
Di, 26. Aug	MESZ	22:38–04:24*	5h 45m	AN ₊ bis AN ₋		10:08	21:18	04:21	50m	05:11	43m	05:55	37m	06:33	13h 55m	20:28	37m	21:05	43m	21:49	49m	22:38	10h 06m	5h 45m				Di, 26. Aug
Mi, 27. Aug	MESZ	22:35–04:26*	5h 51m	AN ₊ bis AN ₋		11:20	21:30	04:24	49m	05:13	43m	05:56	37m	06:34	13h 51m	20:26	37m	21:03	42m	21:46	48m	22:35	10h 09m	5h 51m				Mi, 27. Aug
Do, 28. Aug	MESZ	22:32–04:29*	5h 56m	AN ₊ bis AN ₋		12:33	21:43	04:26	48m	05:15	42m	05:58	37m	06:36	13h 47m	20:24	37m	21:01	42m	21:43	48m	22:32	10h 13m	5h 56m				Do, 28. Aug
Fr, 29. Aug	MESZ	22:29–04:31*	6h 02m	AN ₊ bis AN ₋		13:46	22:00	04:29	48m	05:17	42m	06:00	37m	06:37	13h 44m	20:21	37m	20:59	42m	21:41	47m	22:29	10h 17m	6h 02m				Fr, 29. Aug
Sa, 30. Aug	MESZ	22:26–04:34*	6h 07m	AN ₊ bis AN ₋		14:59	22:24	04:31	48m	05:19	42m	06:02	37m	06:39	13h 40m	20:19	37m	20:56	42m	21:38								

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	
2025	Zeit- zone	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne			Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025			
			Δt		Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt			
Mo, 8. Sep	MESZ	—:—:—:—	—	Mond stört		20:10	07:35	04:52	44m	05:36	40m	06:17	36m	06:53	13h 06m	19:59	36m	20:35	40m	21:15	44m	22:00	10h 55m	6h 54m					Mo, 8. Sep
Di, 9. Sep	MESZ	—:—:—:—	—	Mond stört		20:23	09:02	04:54	44m	05:38	40m	06:18	36m	06:55	13h 02m	19:57	35m	20:33	40m	21:13	43m	21:57	10h 59m	6h 59m					Di, 9. Sep
Mi, 10. Sep	MESZ	—:—:~:~:~	—	Mond stört		20:38	10:30	04:56	43m	05:40	40m	06:20	35m	06:56	12h 58m	19:55	35m	20:30	39m	21:10	43m	21:54	11h 03m	7h 04m					Mi, 10. Sep
Do, 11. Sep	MESZ	—:~:~:~:~	—	Mond stört		20:57	12:01	04:58	43m	05:42	39m	06:22	35m	06:58	12h 54m	19:52	35m	20:28	39m	21:08	43m	21:51	11h 06m	7h 09m					Do, 11. Sep
Fr, 12. Sep	MESZ	—:~:~:~:~	—	Mond stört		21:23	13:33	05:00	43m	05:44	39m	06:23	35m	06:59	12h 50m	19:50	35m	20:26	39m	21:05	42m	21:48	11h 10m	7h 14m					Fr, 12. Sep
Sa, 13. Sep	MESZ	21:46–22:00	14m	AN ₊ bis M ₇		22:00	15:01	05:02	42m	05:45	39m	06:25	35m	07:01	12h 47m	19:48	35m	20:23	39m	21:03	42m	21:46	11h 14m	7h 18m					Sa, 13. Sep
So, 14. Sep	MESZ	21:43–22:53	1h 10m	AN ₊ bis M ₇	☾	22:53	16:16	05:05	42m	05:47	39m	06:27	35m	07:02	12h 43m	19:46	35m	20:21	39m	21:00	42m	21:43	11h 18m	7h 23m					So, 14. Sep
Mo, 15. Sep	MESZ	21:40–00:02*	2h 22m	AN ₊ bis M ₇		—:—	17:14	05:07	42m	05:49	39m	06:28	35m	07:04	12h 39m	19:43	35m	20:19	39m	20:58	42m	21:40	11h 22m	7h 28m					Mo, 15. Sep
Di, 16. Sep	MESZ	21:37–01:22*	3h 44m	AN ₊ bis M ₇		00:02	17:54	05:09	42m	05:51	39m	06:30	35m	07:06	12h 35m	19:41	35m	20:16	39m	20:55	41m	21:37	11h 26m	7h 33m					Di, 16. Sep
Mi, 17. Sep	MESZ	21:35–02:45*	5h 10m	AN ₊ bis M ₇		01:22	18:21	05:11	41m	05:53	39m	06:32	35m	07:07	12h 31m	19:39	35m	20:14	38m	20:53	41m	21:35	11h 29m	7h 37m					Mi, 17. Sep
Do, 18. Sep	MESZ	21:32–04:07*	6h 34m	AN ₊ bis M ₇		02:45	18:40	05:13	41m	05:54	38m	06:33	35m	07:09	12h 27m	19:36	35m	20:12	38m	20:50	41m	21:32	11h 33m	7h 42m					Do, 18. Sep
Fr, 19. Sep	MESZ	21:29–05:16*	7h 47m	AN ₊ bis AN ₋		04:07	18:54	05:14	41m	05:56	38m	06:35	35m	07:10	12h 23m	19:34	35m	20:09	38m	20:48	41m	21:29	11h 37m	7h 47m					Fr, 19. Sep
Sa, 20. Sep	MESZ	21:27–05:18*	7h 51m	AN ₊ bis AN ₋		05:24	19:06	05:16	41m	05:58	38m	06:37	35m	07:12	12h 19m	19:32	35m	20:07	38m	20:46	41m	21:27	11h 41m	7h 51m					Sa, 20. Sep
So, 21. Sep	MESZ	21:24–05:20*	7h 56m	AN ₊ bis AN ₋	☉	06:39	19:16	05:18	41m	05:59	38m	06:38	35m	07:13	12h 16m	19:30	35m	20:05	38m	20:43	40m	21:24	11h 45m	7h 56m					So, 21. Sep
Mo, 22. Sep	MESZ	21:21–05:22*	8h 00m	AN ₊ bis AN ₋		07:52	19:26	05:20	40m	06:01	38m	06:40	35m	07:15	12h 12m	19:27	35m	20:02	38m	20:41	40m	21:21	11h 49m	8h 00m					Mo, 22. Sep
Di, 23. Sep	MESZ	21:19–05:24*	8h 05m	AN ₊ bis AN ₋		09:04	19:37	05:22	40m	06:03	38m	06:41	35m	07:17	12h 08m	19:25	35m	20:00	38m	20:38	40m	21:19	11h 53m	8h 05m					Di, 23. Sep
Mi, 24. Sep	MESZ	21:16–05:26*	8h 09m	AN ₊ bis AN ₋		10:16	19:50	05:24	40m	06:05	38m	06:43	35m	07:18	12h 04m	19:23	35m	19:58	38m	20:36	40m	21:16	11h 57m	8h 09m					Mi, 24. Sep
Do, 25. Sep	MESZ	21:14–05:28*	8h 13m	AN ₊ bis AN ₋		11:30	20:05	05:26	40m	06:06	38m	06:45	35m	07:20	12h 00m	19:20	35m	19:55	38m	20:34	40m	21:14	12h 00m	8h 13m					Do, 25. Sep
Fr, 26. Sep	MESZ	21:11–05:30*	8h 18m	AN ₊ bis AN ₋		12:43	20:26	05:28	40m	06:08	38m	06:46	35m	07:21	11h 56m	19:18	35m	19:53	38m	20:31	40m	21:11	12h 04m	8h 18m					Fr, 26. Sep
Sa, 27. Sep	MESZ	21:09–05:31*	8h 22m	AN ₊ bis AN ₋		13:54	20:55	05:30	40m	06:10	38m	06:48	35m	07:23	11h 52m	19:16	35m	19:51	37m	20:29	39m	21:09	12h 08m	8h 22m					Sa, 27. Sep
So, 28. Sep	MESZ	21:35–05:33*	7h 58m	M _\ bis AN ₋		15:00	21:35	05:31	39m	06:11	38m	06:49	35m	07:25	11h 48m	19:14	35m	19:49	37m	20:27	39m	21:06	12h 12m	8h 26m					So, 28. Sep
Mo, 29. Sep	MESZ	22:29–05:35*	7h 06m	M _\ bis AN ₋		15:55	22:29	05:33	39m	06:13	38m	06:51	35m	07:26	11h 45m	19:11	35m	19:46	37m	20:24	39m	21:04	12h 16m	8h 31m					Mo, 29. Sep
Di, 30. Sep	MESZ	23:36–05:37*	6h 00m	M _\ bis AN ₋	☾	16:37	23:36	05:35	39m	06:15	37m	06:53	35m	07:28	11h 41m	19:09	35m	19:44	37m	20:22	39m	21:01	12h 20m	8h 35m					Di, 30. Sep
Mi, 1. Okt	MESZ	00:53*–05:39*	4h 45m	M _\ bis AN ₋		17:08	—:—	05:37	39m	06:16	37m	06:54	35m	07:29	11h 37m	19:07	35m	19:42	37m	20:20	39m	20:59	12h 24m	8h 39m					Mi, 1. Okt
Do, 2. Okt	MESZ	02:15*–05:40*	3h 25m	M _\ bis AN ₋		17:31	00:53	05:39	39m	06:18	37m	06:56	35m	07:31	11h 33m	19:05	35m	19:40	37m	20:17	39m	20:57	12h 28m	8h 43m					Do, 2. Okt
Fr, 3. Okt	MESZ	03:39*–05:42*	2h 03m	M _\ bis AN ₋		17:49	02:15	05:40	39m	06:20	37m	06:57	35m	07:33	11h 29m	19:02	35m	19:37	37m	20:15	39m	20:54	12h 31m	8h 47m					Fr, 3. Okt
Sa, 4. Okt	MESZ	05:04*–05:44*	40m	M _\ bis AN ₋		18:03	03:39	05:42	39m	06:21	37m	06:59	35m	07:34	11h 25m	19:00	35m	19:35	37m	20:13	39m	20:52	12h 35m	8h 51m					Sa, 4. Okt
So, 5. Okt	MESZ	—:~:~:~:~	—	Mond stört		18:16	05:04	05:44	39m	06:23	37m	07:01	35m	07:36	11h 21m	18:58	35m	19:33	37m	20:11	39m	20:50	12h 39m	8h 55m					So, 5. Okt
Mo, 6. Okt	MESZ	—:~:~:~:~	—	Mond stört		18:29	06:30	05:45	39m	06:25	37m	07:02	35m	07:38	11h 18m	18:56	35m	19:31	37m	20:08	38m	20:47	12h 43m	8h 59m					Mo, 6. Okt
Di, 7. Okt	MESZ	—:~:~:~:~	—	Mond stört	☉	18:43	07:59	05:47	39m	06:26	37m	07:04	35m	07:39	11h 14m	18:53	35m	19:29	37m	20:06	38m	20:45	12h 47m	9h 03m					Di, 7. Okt
Mi, 8. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:01	09:31	05:49	38m	06:28	37m	07:06	35m	07:41	11h 10m	18:51	35m	19:26	37m	20:04	38m	20:43	12h 51m	9h 07m					Mi, 8. Okt
Do, 9. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:24	11:06	05:51	38m	06:29	37m	07:07	35m	07:42	11h 06m	18:49	35m	19:24	37m	20:02	38m	20:41	12h 55m	9h 11m					Do, 9. Okt
Fr, 10. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:57	12:40	05:52	38m	06:31	37m	07:09	35m	07:44	11h 02m	18:47	35m	19:22	37m	20:00	38m	20:38	12h 58m	9h 15m					Fr, 10. Okt
Sa, 11. Okt	MESZ	20:36–20:46	9m	AN ₊ bis M ₇		20:46	14:04	05:54	38m	06:33	37m	07:10	35m	07:46	10h 58m	18:45	35m	19:20	37m	19:58	38m	20:36	13h 02m	9h 19m					Sa, 11. Okt
So, 12. Okt	MESZ	20:34–21:52	1h 17m	AN ₊ bis M ₇		21:52	15:09	05:56	38m	06:34	37m	07:12	35m	07:47	10h 55m	18:43	35m	19:18	37m	19:55	38m	20:34	13h 06m	9h 23m					So, 12. Okt
Mo, 13. Okt	MESZ	20:32–23:10	2h 38m	AN ₊ bis M ₇	☾	23:10	15:55	05:57	38m	06:36	37m	07:14	35m	07:49	10h 51m	18:40	35m	19:16	37m	19:53	38m	20:32	13h 10m	9h 27m					Mo, 13. Okt
Di, 14. Okt	MESZ	20:30–00:33*	4h 03m	AN ₊ bis M ₇		—:—	16:26	05:59	38m	06:38	37m	07:15	35m	07:51	10h 47m	18:38	35m	19:14	37m	19:51	38m	20:30	13h 14m	9h 30m					Di, 14. Okt
Mi, 15. Okt	MESZ	20:28–01:55*	5h 27m	AN ₊ bis M ₇		00:33	16:47	06:01	38m	06:39	37m	07:17	35m	07:52	10h 43m	18:36	35m	19:12	37m	19:49	38m	20:28	13h 18m	9h 34m					Mi, 15. Okt
Do, 16. Okt	MESZ	20:26–03:13*	6h 47m	AN ₊ bis M ₇		01:55	17:02	06:02	38m	06:41	37m	07:18	35m	07:54	10h 39m	18:34	35m	19:10	37m	19:47	38m	20:26	13h 21m	9h 38m					Do, 16. Okt
Fr, 17. Okt	MESZ	20:24–04:28*	8h 03m	AN ₊ bis M ₇		03:13	17:14	06:04	38m	06:42	37m	07:20	35m	07:56	10h 36m	18:32	35m	19:08	37m	19:45	38m	20:24	13h 25m	9h 41m					Fr, 17. Okt
Sa, 18. Okt	MESZ	20:22–05:40*	9h 18m	AN ₊ bis M ₇		04:28	17:25	06:06	38m	06:44	37m	07:22	35m	07:58	10h 32m	18:30	35m	19:06	37m	19:43	38m	20:22	13h 29m	9h 45m					Sa, 18. Okt
So, 19. Okt	MESZ	20:20–06:09*	9h 49m	AN ₊ bis AN ₋		05:40	17:35	06:07	38m	06:46	37m	07:23</																	

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	
2025	Zeit- zone	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne				Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025		
		Δt			Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt			
Di, 28. Okt		21:34–05:23*	7h 48m	M _{\searrow} bis AN ₋		14:08	21:34	05:21	38m	06:00	38m	06:38	36m	07:15	9h 55m	17:10	36m	17:47	38m	18:25	38m	19:03	14h 06m	10h 19m					Di, 28. Okt
Mi, 29. Okt		22:52–05:25*	6h 32m	M _{\searrow} bis AN ₋	☾	14:33	22:52	05:23	38m	06:01	38m	06:40	36m	07:16	9h 51m	17:08	36m	17:45	38m	18:23	38m	19:02	14h 09m	10h 23m					Mi, 29. Okt
Do, 30. Okt		00:12*–05:26*	5h 13m	M _{\searrow} bis AN ₋		14:52	—:—	05:25	38m	06:03	38m	06:41	36m	07:18	9h 48m	17:06	36m	17:43	38m	18:21	38m	19:00	14h 13m	10h 26m					Do, 30. Okt
Fr, 31. Okt		01:34*–05:28*	3h 53m	M _{\searrow} bis AN ₋		15:07	00:12	05:26	38m	06:05	38m	06:43	37m	07:20	9h 44m	17:05	36m	17:42	38m	18:20	38m	18:58	14h 17m	10h 29m					Fr, 31. Okt
Sa, 1. Nov		02:57*–05:29*	2h 31m	M _{\searrow} bis AN ₋		15:21	01:34	05:28	38m	06:06	38m	06:45	37m	07:22	9h 41m	17:03	37m	17:40	38m	18:18	38m	18:57	14h 20m	10h 32m					Sa, 1. Nov
So, 2. Nov		04:23*–05:31*	1h 07m	M _{\searrow} bis AN ₋		15:33	02:57	05:29	38m	06:08	38m	06:46	37m	07:23	9h 37m	17:01	37m	17:38	38m	18:17	38m	18:55	14h 24m	10h 35m					So, 2. Nov
Mo, 3. Nov		—:—:—:—	–	Mond stört		15:47	04:23	05:31	38m	06:09	38m	06:48	37m	07:25	9h 34m	16:59	37m	17:37	38m	18:15	38m	18:54	14h 27m	10h 38m					Mo, 3. Nov
Di, 4. Nov		—:—:—:—	–	Mond stört		16:02	05:53	05:32	38m	06:11	38m	06:49	37m	07:27	9h 30m	16:58	37m	17:35	38m	18:14	38m	18:52	14h 31m	10h 41m					Di, 4. Nov
Mi, 5. Nov		—:—:—:—	–	Mond stört	☾	16:23	07:27	05:34	38m	06:12	38m	06:51	37m	07:29	9h 27m	16:56	37m	17:33	38m	18:12	38m	18:51	14h 34m	10h 44m					Mi, 5. Nov
Do, 6. Nov		—:~:~:~:~	–	Mond stört		16:52	09:04	05:35	38m	06:14	38m	06:53	37m	07:30	9h 23m	16:54	37m	17:32	38m	18:11	38m	18:49	14h 37m	10h 47m					Do, 6. Nov
Fr, 7. Nov		—:~:~:~:~	–	Mond stört		17:35	10:37	05:37	38m	06:15	38m	06:54	37m	07:32	9h 20m	16:53	37m	17:30	38m	18:09	38m	18:48	14h 41m	10h 50m					Fr, 7. Nov
Sa, 8. Nov		—:~:~:~:~	–	Mond stört		18:36	11:54	05:38	38m	06:17	38m	06:56	37m	07:34	9h 17m	16:51	37m	17:29	38m	18:08	38m	18:47	14h 44m	10h 52m					Sa, 8. Nov
So, 9. Nov		18:45–19:53	1h 07m	AN ₊ bis M ₇		19:53	12:50	05:40	38m	06:18	39m	06:57	38m	07:36	9h 13m	16:49	38m	17:28	39m	18:07	38m	18:45	14h 47m	10h 55m					So, 9. Nov
Mo, 10. Nov		18:44–21:18	2h 33m	AN ₊ bis M ₇		21:18	13:27	05:41	38m	06:20	39m	06:59	38m	07:37	9h 10m	16:48	38m	17:26	39m	18:05	38m	18:44	14h 51m	10h 58m					Mo, 10. Nov
Di, 11. Nov		18:43–22:42	3h 59m	AN ₊ bis M ₇		22:42	13:51	05:42	38m	06:21	39m	07:01	38m	07:39	9h 07m	16:46	38m	17:25	39m	18:04	38m	18:43	14h 54m	11h 01m					Di, 11. Nov
Mi, 12. Nov		18:42–00:02*	5h 20m	AN ₊ bis M ₇	☾	—:—	14:09	05:44	38m	06:23	39m	07:02	38m	07:41	9h 04m	16:45	38m	17:23	39m	18:03	38m	18:42	14h 57m	11h 03m					Mi, 12. Nov
Do, 13. Nov		18:41–01:18*	6h 37m	AN ₊ bis M ₇		00:02	14:22	05:45	38m	06:24	39m	07:04	38m	07:42	9h 01m	16:44	38m	17:22	39m	18:02	38m	18:41	15h 00m	11h 06m					Do, 13. Nov
Fr, 14. Nov		18:39–02:31*	7h 51m	AN ₊ bis M ₇		01:18	14:34	05:47	39m	06:26	39m	07:05	38m	07:44	8h 58m	16:42	38m	17:21	39m	18:00	38m	18:39	15h 03m	11h 08m					Fr, 14. Nov
Sa, 15. Nov		18:38–03:42*	9h 03m	AN ₊ bis M ₇		02:31	14:44	05:48	39m	06:27	39m	07:07	38m	07:46	8h 54m	16:41	38m	17:20	39m	17:59	39m	18:38	15h 06m	11h 11m					Sa, 15. Nov
So, 16. Nov		18:37–04:53*	10h 15m	AN ₊ bis M ₇		03:42	14:54	05:50	39m	06:29	39m	07:08	39m	07:48	8h 51m	16:39	39m	17:19	39m	17:58	39m	18:37	15h 09m	11h 13m					So, 16. Nov
Mo, 17. Nov		18:36–05:52*	11h 16m	AN ₊ bis AN ₋		04:53	15:06	05:51	39m	06:30	39m	07:10	39m	07:49	8h 49m	16:38	39m	17:17	39m	17:57	39m	18:36	15h 12m	11h 16m					Mo, 17. Nov
Di, 18. Nov		18:35–05:54*	11h 18m	AN ₊ bis AN ₋		06:05	15:20	05:52	39m	06:32	39m	07:11	39m	07:51	8h 46m	16:37	39m	17:16	39m	17:56	39m	18:35	15h 15m	11h 18m					Di, 18. Nov
Mi, 19. Nov		18:35–05:55*	11h 20m	AN ₊ bis AN ₋		07:17	15:37	05:54	39m	06:33	39m	07:13	39m	07:53	8h 43m	16:36	39m	17:15	39m	17:55	39m	18:35	15h 18m	11h 20m					Mi, 19. Nov
Do, 20. Nov		18:34–05:56*	11h 22m	AN ₊ bis AN ₋	☾	08:30	16:01	05:55	39m	06:34	40m	07:14	39m	07:54	8h 40m	16:35	39m	17:14	40m	17:54	39m	18:34	15h 21m	11h 22m					Do, 20. Nov
Fr, 21. Nov		18:33–05:58*	11h 24m	AN ₊ bis AN ₋		09:39	16:33	05:56	39m	06:36	40m	07:16	39m	07:56	8h 37m	16:34	39m	17:13	40m	17:53	39m	18:33	15h 23m	11h 24m					Fr, 21. Nov
Sa, 22. Nov		18:32–05:59*	11h 26m	AN ₊ bis AN ₋		10:41	17:18	05:58	39m	06:37	40m	07:17	39m	07:57	8h 35m	16:32	39m	17:12	40m	17:53	39m	18:32	15h 26m	11h 26m					Sa, 22. Nov
So, 23. Nov		18:31–06:00*	11h 28m	AN ₊ bis AN ₋		11:31	18:15	05:59	39m	06:39	40m	07:19	40m	07:59	8h 32m	16:31	40m	17:12	40m	17:52	39m	18:31	15h 29m	11h 28m					So, 23. Nov
Mo, 24. Nov		19:24–06:02*	10h 37m	M _{\searrow} bis AN ₋		12:08	19:24	06:00	39m	06:40	40m	07:20	40m	08:00	8h 30m	16:31	40m	17:11	40m	17:51	39m	18:31	15h 31m	11h 30m					Mo, 24. Nov
Di, 25. Nov		20:39–06:03*	9h 24m	M _{\searrow} bis AN ₋		12:36	20:39	06:02	39m	06:41	40m	07:22	40m	08:02	8h 27m	16:30	40m	17:10	40m	17:50	39m	18:30	15h 33m	11h 32m					Di, 25. Nov
Mi, 26. Nov		21:56–06:04*	8h 07m	M _{\searrow} bis AN ₋		12:56	21:56	06:03	39m	06:42	40m	07:23	40m	08:04	8h 25m	16:29	40m	17:09	40m	17:50	39m	18:29	15h 36m	11h 34m					Mi, 26. Nov
Do, 27. Nov		23:15–06:05*	6h 50m	M _{\searrow} bis AN ₋		13:12	23:15	06:04	39m	06:44	40m	07:24	40m	08:05	8h 22m	16:28	40m	17:08	40m	17:49	39m	18:29	15h 38m	11h 36m					Do, 27. Nov
Fr, 28. Nov		00:34*–06:06*	5h 32m	M _{\searrow} bis AN ₋	☾	13:26	—:—	06:05	39m	06:45	40m	07:26	40m	08:07	8h 20m	16:27	40m	17:08	40m	17:49	39m	18:28	15h 40m	11h 38m					Fr, 28. Nov
Sa, 29. Nov		01:55*–06:08*	4h 12m	M _{\searrow} bis AN ₋		13:38	00:34	06:06	39m	06:46	40m	07:27	40m	08:08	8h 18m	16:26	40m	17:07	40m	17:48	39m	18:28	15h 43m	11h 39m					Sa, 29. Nov
So, 30. Nov		03:20*–06:09*	2h 49m	M _{\searrow} bis AN ₋		13:51	01:55	06:08	39m	06:47	40m	07:28	40m	08:09	8h 16m	16:26	40m	17:07	40m	17:48	39m	18:27	15h 45m	11h 41m					So, 30. Nov
Mo, 1. Dez		04:49*–06:10*	1h 20m	M _{\searrow} bis AN ₋		14:05	03:20	06:09	39m	06:49	41m	07:30	41m	08:11	8h 14m	16:25	41m	17:06	41m	17:47	39m	18:27	15h 47m	11h 42m					Mo, 1. Dez
Di, 2. Dez		—:~:~:~:~	–	Mond stört		14:22	04:49	06:10	39m	06:50	41m	07:31	41m	08:12	8h 12m	16:24	41m	17:06	41m	17:47	39m	18:27	15h 48m	11h 44m					Di, 2. Dez
Mi, 3. Dez		—:~:~:~:~	–	Mond stört		14:46	06:23	06:11	40m	06:51	41m	07:32	41m	08:13	8h 10m	16:24	41m	17:05	41m	17:46	40m	18:26	15h 50m	11h 45m					Mi, 3. Dez
Do, 4. Dez		—:~:~:~:~	–	Mond stört		15:21	07:58	06:12	40m	06:52	41m	07:33	41m	08:15	8h 08m	16:23	41m	17:05	41m	17:46	40m	18:26	15h 52m	11h 46m					Do, 4. Dez
Fr, 5. Dez		—:~:~:~:~	–	Mond stört	☾	16:14	09:25	06:13	40m	06:53	41m	07:35	41m	08:16	8h 07m	16:23	41m	17:05	41m	17:46	40m	18:26	15h 54m	11h 48m					Fr, 5. Dez
Sa, 6. Dez		—:~:~:~:~	–	Mond stört		17:26	10:34	06:14	40m	06:54	41m	07:36	41m	08:17	8h 05m	16:23	41m	17:04	41m	17:46	40m	18:26	15h 55m	11h 49m					Sa, 6. Dez
So, 7. Dez		18:26–18:51	25m	AN ₊ bis M ₇		18:51	11:21	06:15	40m	06:55	41m	07:37	41m	08:18	8h 03m	16:22	41m	17:04	41m	17:46	40m	18:26	15h 57m	11h 50m					So, 7. Dez
Mo, 8. Dez		18:26–20:19	1h 53m	AN ₊ bis M ₇		20:19	11:52	06:16	40m	06:56	41m	07:38	41m	08:20	8h 02m	16:22	41m	17:04	41m	17:45	40m	18:26	15h 58m	11h 51m					

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
2025/26	Zeit- zone	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung					Sonne				Ende der Abenddämmerung					Nacht	Astr. N.	Naut. dunkel und kein Mond			2025/26	
			Δt		Ph.	\nearrow	\searrow	Astr.	Δt	Naut.	Δt	Bürg.	Δt	\nearrow	Δt	\searrow	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mi, 17. Dez		18:27–06:24*	11h 57m	AN ₊ bis AN ₋		06:19	14:04	06:23	40m	07:04	41m	07:46	42m	08:28	7h 54m	16:22	42m	17:05	41m	17:47	40m	18:27	16h 06m	11h 57m				Mi, 17. Dez
Do, 18. Dez		18:27–06:25*	11h 57m	AN ₊ bis AN ₋		07:29	14:34	06:24	40m	07:04	41m	07:46	42m	08:29	7h 54m	16:23	42m	17:05	41m	17:47	40m	18:27	16h 06m	11h 57m				Do, 18. Dez
Fr, 19. Dez		18:28–06:25*	11h 57m	AN ₊ bis AN ₋		08:34	15:15	06:25	40m	07:05	41m	07:47	42m	08:29	7h 53m	16:23	42m	17:05	41m	17:47	40m	18:28	16h 06m	11h 57m				Fr, 19. Dez
Sa, 20. Dez		18:28–06:26*	11h 57m	AN ₊ bis AN ₋	●	09:28	16:09	06:25	40m	07:06	41m	07:48	42m	08:30	7h 53m	16:23	42m	17:06	41m	17:48	40m	18:28	16h 06m	11h 57m				Sa, 20. Dez
So, 21. Dez		18:29–06:26*	11h 57m	AN ₊ bis AN ₋		10:09	17:15	06:26	40m	07:06	41m	07:48	42m	08:30	7h 53m	16:24	42m	17:06	41m	17:48	40m	18:29	16h 06m	11h 57m				So, 21. Dez
Mo, 22. Dez		18:29–06:27*	11h 57m	AN ₊ bis AN ₋		10:39	18:29	06:26	40m	07:07	41m	07:49	42m	08:31	7h 53m	16:24	42m	17:07	41m	17:49	40m	18:29	16h 06m	11h 57m				Mo, 22. Dez
Di, 23. Dez		19:46–06:27*	10h 40m	M _\ bis AN ₋		11:02	19:46	06:27	40m	07:07	41m	07:49	42m	08:31	7h 53m	16:25	42m	17:07	41m	17:49	40m	18:30	16h 06m	11h 57m				Di, 23. Dez
Mi, 24. Dez		21:04–06:27*	9h 23m	M _\ bis AN ₋		11:19	21:04	06:27	40m	07:07	41m	07:49	42m	08:32	7h 53m	16:26	42m	17:08	41m	17:50	40m	18:30	16h 06m	11h 57m				Mi, 24. Dez
Do, 25. Dez		22:22–06:28*	8h 06m	M _\ bis AN ₋		11:33	22:22	06:27	40m	07:08	41m	07:50	42m	08:32	7h 54m	16:26	42m	17:09	41m	17:51	40m	18:31	16h 05m	11h 56m				Do, 25. Dez
Fr, 26. Dez		23:40–06:28*	6h 48m	M _\ bis AN ₋		11:45	23:40	06:28	40m	07:08	41m	07:50	42m	08:32	7h 54m	16:27	42m	17:09	41m	17:51	40m	18:32	16h 05m	11h 56m				Fr, 26. Dez
Sa, 27. Dez		01:00*–06:28*	5h 28m	M _\ bis AN ₋	◐	11:57	—:—	06:28	40m	07:08	41m	07:50	42m	08:33	7h 55m	16:28	42m	17:10	41m	17:52	40m	18:32	16h 04m	11h 55m				Sa, 27. Dez
So, 28. Dez		02:24*–06:29*	4h 04m	M _\ bis AN ₋		12:09	01:00	06:28	40m	07:09	41m	07:51	42m	08:33	7h 56m	16:29	42m	17:11	41m	17:53	40m	18:33	16h 04m	11h 55m				So, 28. Dez
Mo, 29. Dez		03:52*–06:29*	2h 36m	M _\ bis AN ₋		12:24	02:24	06:29	40m	07:09	41m	07:51	42m	08:33	7h 56m	16:30	42m	17:12	41m	17:53	40m	18:34	16h 03m	11h 54m				Mo, 29. Dez
Di, 30. Dez		05:24*–06:29*	1h 04m	M _\ bis AN ₋		12:44	03:52	06:29	40m	07:09	41m	07:51	42m	08:33	7h 57m	16:31	42m	17:13	41m	17:54	40m	18:35	16h 02m	11h 54m				Di, 30. Dez
Mi, 31. Dez		—:—:—:—	–	Mond stört		13:12	05:24	06:29	40m	07:09	41m	07:51	42m	08:33	7h 58m	16:31	42m	17:13	41m	17:55	40m	18:36	16h 01m	11h 53m				Mi, 31. Dez
Do, 1. Jan		—:—:—:—	–	Mond stört		13:54	06:54	06:29	40m	07:09	41m	07:51	41m	08:33	7h 59m	16:33	41m	17:14	41m	17:56	40m	18:36	16h 00m	11h 52m				Do, 1. Jan
Fr, 2. Jan		—:—:—:—	–	Mond stört		14:56	08:11	06:29	40m	07:09	41m	07:51	41m	08:33	8h 00m	16:34	41m	17:15	41m	17:57	40m	18:37	15h 58m	11h 51m				Fr, 2. Jan
Sa, 3. Jan		—:—:~:~	–	Mond stört	○	16:16	09:09	06:29	40m	07:09	41m	07:51	41m	08:32	8h 02m	16:35	41m	17:16	41m	17:58	40m	18:38	15h 57m	11h 50m				Sa, 3. Jan
So, 4. Jan		—:~:~:~	–	Mond stört		17:46	09:47	06:29	40m	07:09	41m	07:51	41m	08:32	8h 03m	16:36	41m	17:18	41m	17:59	40m	18:39	15h 56m	11h 49m				So, 4. Jan
Mo, 5. Jan		18:40–19:15	34m	AN ₊ bis M ₇		19:15	10:13	06:29	40m	07:09	41m	07:50	41m	08:32	8h 05m	16:37	41m	17:19	41m	18:00	40m	18:40	15h 54m	11h 48m				Mo, 5. Jan
Di, 6. Jan		18:41–20:40	1h 58m	AN ₊ bis M ₇		20:40	10:31	06:29	40m	07:09	41m	07:50	41m	08:32	8h 06m	16:38	41m	17:20	41m	18:01	40m	18:41	15h 52m	11h 47m				Di, 6. Jan
Mi, 7. Jan		18:42–21:59	3h 17m	AN ₊ bis M ₇		21:59	10:45	06:28	40m	07:09	41m	07:50	41m	08:31	8h 08m	16:40	41m	17:21	41m	18:02	40m	18:42	15h 51m	11h 45m				Mi, 7. Jan
Do, 8. Jan		18:43–23:15	4h 31m	AN ₊ bis M ₇		23:15	10:57	06:28	40m	07:08	41m	07:49	41m	08:31	8h 10m	16:41	41m	17:22	41m	18:03	40m	18:43	15h 49m	11h 44m				Do, 8. Jan
Fr, 9. Jan		18:45–00:28*	5h 43m	AN ₊ bis M ₇		—:—	11:08	06:28	39m	07:08	41m	07:49	41m	08:30	8h 11m	16:42	41m	17:23	41m	18:05	39m	18:45	15h 47m	11h 43m				Fr, 9. Jan
Sa, 10. Jan		18:46–01:41*	6h 54m	AN ₊ bis M ₇	◑	00:28	11:19	06:28	39m	07:08	41m	07:49	41m	08:30	8h 13m	16:44	41m	17:25	41m	18:06	39m	18:46	15h 45m	11h 41m				Sa, 10. Jan
So, 11. Jan		18:47–02:53*	8h 06m	AN ₊ bis M ₇		01:41	11:32	06:27	39m	07:07	40m	07:48	40m	08:29	8h 15m	16:45	40m	17:26	40m	18:07	39m	18:47	15h 43m	11h 40m				So, 11. Jan
Mo, 12. Jan		18:48–04:06*	9h 18m	AN ₊ bis M ₇		02:53	11:47	06:27	39m	07:07	40m	07:48	40m	08:28	8h 17m	16:46	40m	17:27	40m	18:08	39m	18:48	15h 41m	11h 38m				Mo, 12. Jan
Di, 13. Jan		18:49–05:18*	10h 28m	AN ₊ bis M ₇		04:06	12:06	06:26	39m	07:06	40m	07:47	40m	08:28	8h 20m	16:48	40m	17:29	40m	18:09	39m	18:49	15h 39m	11h 36m				Di, 13. Jan
Mi, 14. Jan		18:50–06:25*	11h 34m	AN ₊ bis M ₇		05:18	12:33	06:26	39m	07:06	40m	07:46	40m	08:27	8h 22m	16:49	40m	17:30	40m	18:11	39m	18:50	15h 36m	11h 35m				Mi, 14. Jan
Do, 15. Jan		18:52–06:25*	11h 33m	AN ₊ bis AN ₋		06:25	13:10	06:25	39m	07:05	40m	07:46	40m	08:26	8h 24m	16:51	40m	17:31	40m	18:12	39m	18:52	15h 34m	11h 33m				Do, 15. Jan
Fr, 16. Jan		18:53–06:24*	11h 31m	AN ₊ bis AN ₋		07:23	14:00	06:25	39m	07:05	40m	07:45	40m	08:25	8h 27m	16:52	40m	17:33	40m	18:13	39m	18:53	15h 32m	11h 31m				Fr, 16. Jan
Sa, 17. Jan		18:54–06:24*	11h 29m	AN ₊ bis AN ₋		08:08	15:03	06:24	39m	07:04	40m	07:44	40m	08:25	8h 29m	16:54	40m	17:34	40m	18:15	39m	18:54	15h 29m	11h 29m				Sa, 17. Jan
So, 18. Jan		18:56–06:23*	11h 27m	AN ₊ bis AN ₋	●	08:42	16:16	06:24	39m	07:03	40m	07:44	40m	08:24	8h 32m	16:56	40m	17:36	40m	18:16	39m	18:56	15h 26m	11h 27m				So, 18. Jan
Mo, 19. Jan		18:57–06:22*	11h 25m	AN ₊ bis AN ₋		09:07	17:33	06:23	39m	07:02	40m	07:43	39m	08:23	8h 34m	16:57	39m	17:37	40m	18:17	39m	18:57	15h 24m	11h 25m				Mo, 19. Jan
Di, 20. Jan		18:58–06:21*	11h 23m	AN ₊ bis AN ₋		09:25	18:52	06:22	39m	07:02	40m	07:42	39m	08:22	8h 37m	16:59	39m	17:39	40m	18:19	39m	18:58	15h 21m	11h 23m				Di, 20. Jan
Mi, 21. Jan		20:11–06:21*	10h 09m	M _\ bis AN ₋		09:40	20:11	06:21	39m	07:01	40m	07:41	39m	08:20	8h 40m	17:01	39m	17:40	40m	18:20	39m	19:00	15h 18m	11h 20m				Mi, 21. Jan
Do, 22. Jan		21:30–06:20*	8h 50m	M _\ bis AN ₋		09:53	21:30	06:21	39m	07:00	39m	07:40	39m	08:19	8h 42m	17:02	39m	17:42	40m	18:22	39m	19:01	15h 15m	11h 18m				Do, 22. Jan
Fr, 23. Jan		22:49–06:19*	7h 30m	M _\ bis AN ₋		10:04	22:49	06:20	39m	06:59	39m	07:39	39m	08:18	8h 45m	17:04	39m	17:43	39m	18:23	39m	19:02	15h 13m	11h 16m				Fr, 23. Jan
Sa, 24. Jan		00:10*–06:18*	6h 07m	M _\ bis AN ₋		10:17	—:—	06:19	39m	06:58	39m	07:38	39m	08:17	8h 48m	17:06	39m	17:45	39m	18:25	39m	19:04	15h 10m	11h 13m				Sa, 24. Jan
So, 25. Jan		01:35*–06:17*	4h 41m	M _\ bis AN ₋		10:30	00:10	06:18	39m	06:57	39m	07:37	39m	08:16	8h 51m	17:07	39m	17:46	39m	18:26	39m	19:05	15h 07m	11h 11m				So, 25. Jan
Mo, 26. Jan		03:03*–06:16*	3h 12m	M _\ bis AN ₋	◒	10:48	01:35	06:17	39m	06:56	39m	07:36	38m	08:14	8h 54m	17:09	38m	17:48	39m	18:28	39m	19:07	15h 04m	11h 09m				Mo, 26. Jan
Di, 27. Jan		04:32*–06:15*	1h 43m	M _\ bis AN ₋		11:11	03:03	06:16	38m	06:55	39m	07:34	38m	08:13	8h 57m	17:11	38m	17:50	39m	18:29	39m	19:08	15h 00m	11h 06m				Di, 27. Jan
Mi, 28. Jan		05:52*–06:14*	21m	M																								