

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Gummersbach 51.0269° N 7.5678° 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), M_l

(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), M_l (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 51m	AN ₊ bis AN ₋		10:12	18:00	06:29	40m	07:09	41m	07:50	41m	08:32	8h 01m	16:34	41m	17:16	41m	17:57	40m	18:37	15h 58m	11h 51m					Mi, 1. Jan
Do, 2. Jan		19:25–06:29*	11h 03m	M _\ bis AN ₋		10:37	19:25	06:29	40m	07:09	41m	07:50	41m	08:32	8h 03m	16:35	41m	17:17	41m	17:58	40m	18:38	15h 56m	11h 50m					Do, 2. Jan
Fr, 3. Jan		20:51–06:29*	9h 38m	M _\ bis AN ₋		10:55	20:51	06:29	40m	07:09	41m	07:50	41m	08:32	8h 04m	16:36	41m	17:18	41m	17:59	40m	18:39	15h 55m	11h 49m					Fr, 3. Jan
Sa, 4. Jan		22:15–06:29*	8h 14m	M _\ bis AN ₋		11:10	22:15	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 53m	11h 48m					Sa, 4. Jan
So, 5. Jan		23:38–06:29*	6h 50m	M _\ bis AN ₋		11:23	23:38	06:29	39m	07:09	41m	07:50	41m	08:31	8h 07m	16:38	41m	17:20	41m	18:01	39m	18:41	15h 52m	11h 47m					So, 5. Jan
Mo, 6. Jan		01:02*–06:28*	5h 26m	M _\ bis AN ₋		11:36	—:—	06:29	39m	07:09	41m	07:50	41m	08:31	8h 08m	16:40	41m	17:21	41m	18:02	39m	18:42	15h 50m	11h 46m					Mo, 6. Jan
Di, 7. Jan		02:28*–06:28*	4h 00m	M _\ bis AN ₋	☾	11:49	01:02	06:28	39m	07:08	41m	07:49	41m	08:31	8h 10m	16:41	41m	17:22	41m	18:03	39m	18:43	15h 49m	11h 45m					Di, 7. Jan
Mi, 8. Jan		03:56*–06:28*	2h 32m	M _\ bis AN ₋		12:05	02:28	06:28	39m	07:08	41m	07:49	41m	08:30	8h 12m	16:42	41m	17:23	41m	18:04	39m	18:44	15h 47m	11h 43m					Mi, 8. Jan
Do, 9. Jan		05:24*–06:28*	1h 03m	M _\ bis AN ₋		12:26	03:56	06:28	39m	07:08	40m	07:49	40m	08:30	8h 14m	16:44	40m	17:25	40m	18:06	39m	18:45	15h 45m	11h 42m					Do, 9. Jan
Fr, 10. Jan		—:—:—:—	–	Mond stört		12:56	05:24	06:28	39m	07:07	40m	07:48	40m	08:29	8h 16m	16:45	40m	17:26	40m	18:07	39m	18:46	15h 43m	11h 40m					Fr, 10. Jan
Sa, 11. Jan		—:—:—:—	–	Mond stört		13:39	06:47	06:27	39m	07:07	40m	07:48	40m	08:28	8h 18m	16:46	40m	17:27	40m	18:08	39m	18:48	15h 41m	11h 39m					Sa, 11. Jan
So, 12. Jan		—:—:~:~	–	Mond stört		14:38	07:55	06:27	39m	07:06	40m	07:47	40m	08:28	8h 20m	16:48	40m	17:28	40m	18:09	39m	18:49	15h 39m	11h 37m					So, 12. Jan
Mo, 13. Jan		—:~:~:~:~	–	Mond stört	☾	15:51	08:46	06:26	39m	07:06	40m	07:47	40m	08:27	8h 22m	16:49	40m	17:30	40m	18:10	39m	18:50	15h 36m	11h 35m					Mo, 13. Jan
Di, 14. Jan		—:~:~:~:~	–	Mond stört		17:12	09:20	06:26	39m	07:05	40m	07:46	40m	08:26	8h 24m	16:51	40m	17:31	40m	18:12	39m	18:51	15h 34m	11h 34m					Di, 14. Jan
Mi, 15. Jan		—:~:~:~:~	–	Mond stört		18:34	09:44	06:25	39m	07:05	40m	07:45	40m	08:25	8h 26m	16:52	40m	17:33	40m	18:13	39m	18:53	15h 32m	11h 32m					Mi, 15. Jan
Do, 16. Jan		18:54–19:52	57m	AN ₊ bis M _\		19:52	10:01	06:25	39m	07:04	40m	07:45	40m	08:25	8h 29m	16:54	40m	17:34	40m	18:14	39m	18:54	15h 29m	11h 30m					Do, 16. Jan
Fr, 17. Jan		18:55–21:06	2h 10m	AN ₊ bis M _\		21:06	10:15	06:24	39m	07:04	40m	07:44	39m	08:24	8h 31m	16:55	39m	17:35	40m	18:16	39m	18:55	15h 27m	11h 28m					Fr, 17. Jan
Sa, 18. Jan		18:56–22:17	3h 20m	AN ₊ bis M _\		22:17	10:26	06:24	39m	07:03	40m	07:43	39m	08:23	8h 34m	16:57	39m	17:37	40m	18:17	39m	18:56	15h 24m	11h 26m					Sa, 18. Jan
So, 19. Jan		18:58–23:27	4h 29m	AN ₊ bis M _\		23:27	10:36	06:23	39m	07:02	40m	07:42	39m	08:22	8h 36m	16:59	39m	17:38	40m	18:18	39m	18:58	15h 22m	11h 24m					So, 19. Jan
Mo, 20. Jan		18:59–00:37*	5h 37m	AN ₊ bis M _\		—:—	10:46	06:22	39m	07:01	39m	07:41	39m	08:21	8h 39m	17:00	39m	17:40	40m	18:20	39m	18:59	15h 19m	11h 22m					Mo, 20. Jan
Di, 21. Jan		19:00–01:48*	6h 47m	AN ₊ bis M _\	☾	00:37	10:57	06:21	39m	07:00	39m	07:40	39m	08:20	8h 42m	17:02	39m	17:41	39m	18:21	39m	19:00	15h 16m	11h 20m					Di, 21. Jan
Mi, 22. Jan		19:02–03:01*	7h 59m	AN ₊ bis M _\		01:48	11:10	06:20	39m	07:00	39m	07:39	39m	08:19	8h 45m	17:04	39m	17:43	39m	18:23	39m	19:02	15h 13m	11h 17m					Mi, 22. Jan
Do, 23. Jan		19:03–04:15*	9h 12m	AN ₊ bis M _\		03:01	11:27	06:20	39m	06:59	39m	07:38	39m	08:17	8h 47m	17:05	39m	17:44	39m	18:24	39m	19:03	15h 10m	11h 15m					Do, 23. Jan
Fr, 24. Jan		19:05–05:29*	10h 24m	AN ₊ bis M _\		04:15	11:51	06:19	38m	06:58	39m	07:37	38m	08:16	8h 50m	17:07	39m	17:46	39m	18:26	39m	19:05	15h 08m	11h 13m					Fr, 24. Jan
Sa, 25. Jan		19:06–06:17*	11h 10m	AN ₊ bis AN ₋		05:29	12:24	06:18	38m	06:57	39m	07:36	38m	08:15	8h 53m	17:09	38m	17:48	39m	18:27	38m	19:06	15h 05m	11h 10m					Sa, 25. Jan
So, 26. Jan		19:08–06:16*	11h 08m	AN ₊ bis AN ₋		06:35	13:12	06:17	38m	06:56	39m	07:35	38m	08:14	8h 56m	17:10	38m	17:49	39m	18:29	38m	19:08	15h 01m	11h 08m					So, 26. Jan
Mo, 27. Jan		19:09–06:15*	11h 05m	AN ₊ bis AN ₋		07:30	14:16	06:16	38m	06:55	39m	07:34	38m	08:12	8h 59m	17:12	38m	17:51	39m	18:30	38m	19:09	14h 58m	11h 05m					Mo, 27. Jan
Di, 28. Jan		19:10–06:14*	11h 03m	AN ₊ bis AN ₋		08:10	15:35	06:15	38m	06:53	39m	07:33	38m	08:11	9h 02m	17:14	38m	17:52	39m	18:32	38m	19:10	14h 55m	11h 03m					Di, 28. Jan
Mi, 29. Jan		19:12–06:12*	11h 00m	AN ₊ bis AN ₋	☾	08:39	17:02	06:14	38m	06:52	39m	07:31	38m	08:10	9h 06m	17:16	38m	17:54	39m	18:33	38m	19:12	14h 52m	11h 00m					Mi, 29. Jan
Do, 30. Jan		19:13–06:11*	10h 57m	AN ₊ bis AN ₋		09:00	18:30	06:12	38m	06:51	39m	07:30	38m	08:08	9h 09m	17:17	38m	17:56	39m	18:35	38m	19:13	14h 49m	10h 57m					Do, 30. Jan
Fr, 31. Jan		19:57–06:10*	10h 12m	M _\ bis AN ₋		09:16	19:57	06:11	38m	06:50	38m	07:29	38m	08:07	9h 12m	17:19	38m	17:57	38m	18:36	38m	19:15	14h 46m	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	38m	07:27	37m	08:05	9h 15m	17:21	37m	17:59	38m	18:38	38m	19:16	14h 42m	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 19m	17:23	37m	18:01	38m	18:39	38m	19:18	14h 39m	10h 49m					So, 2. Feb
Mo, 3. Feb		00:15*–06:06*	5h 50m	M _\ bis AN ₋		09:56	—:—	06:07	38m	06:46	38m	07:25	37m	08:02	9h 22m	17:25	37m	18:02	38m	18:41	38m	19:19	14h 36m	10h 46m					Mo, 3. Feb
Di, 4. Feb		01:43*–06:05*	4h 21m	M _\ bis AN ₋		10:11	00:15	06:06	38m	06:45	38m	07:23	37m	08:01	9h 25m	17:26	37m	18:04	38m	18:43	38m	19:21	14h 32m	10h 43m					Di, 4. Feb
Mi, 5. Feb		03:11*–06:03*	2h 51m	M _\ bis AN ₋	☾	10:30	01:43	06:05	38m	06:43	38m	07:22	37m	07:59	9h 29m	17:28	37m	18:06	38m	18:44	38m	19:23	14h 29m	10h 40m					Mi, 5. Feb
Do, 6. Feb		04:35*–06:02*	1h 26m	M _\ bis AN ₋		10:56	03:11	06:03	38m	06:42	38m	07:20	37m	07:57	9h 32m	17:30	37m	18:07	38m	18:46	38m	19:24	14h 25m	10h 37m					Do, 6. Feb
Fr, 7. Feb		05:47*–06:00*	13m	M _\ bis AN ₋		11:34	04:35	06:02	38m	06:40	38m	07:19	37m	07:56	9h 36m	17:32	37m	18:09	38m	18:47	38m	19:26	14h 22m	10h 34m					Fr, 7. Feb
Sa, 8. Feb		—:~:~:~:~	–	Mond stört		12:26	05:47	06:00	38m	06:39	38m	07:17	37m	07:54	9h 39m	17:34	37m	18:11	38m	18:49	38m	19:27	14h 18m	10h 31m					Sa, 8. Feb
So, 9. Feb		—:~:~:~:~	–	Mond stört		13:34	06:42	05:59	38m	06:37	38m	07:15	36m	07:52	9h 43m	17:35	36m	18:12	38m	18:51	38m	19:29	14h 15m	10h 28m					So, 9. Feb
Mo, 10. Feb		—:~:~:~:~	–	Mond stört		14:52	07:21	05:57	38m	06:36	38m	07:14	36m	07:50	9h 46m	17:37	36m	18:14	38m	18:52	38m	19:30	14h 11m	10h 25m					Mo, 10. Feb
Di, 11. Feb		—:~:~:~:~	–	Mond stört		16:13	07:48	05:56	38m	06:34	38m	07:12	36m	07:49	9h 50m	17:39	36m	18:16	38m	18:54	38m	19:32	14h 07m	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		19:47–03:11*	7h 23m	AN ₊ bis M ₇	☾	01:57	09:50	05:40	38m	06:18	37m	06:56	35m	07:32	10h 23m	17:55	35m	18:31	37m	19:08	38m	19:47	13h 34m	9h 51m					Do, 20. Feb
Fr, 21. Feb		19:48–04:20*	8h 31m	AN ₊ bis M ₇		03:11	10:18	05:38	38m	06:16	37m	06:54	35m	07:30	10h 27m	17:57	35m	18:32	37m	19:10	38m	19:48	13h 30m	9h 47m					Fr, 21. Feb
Sa, 22. Feb		19:50–05:19*	9h 28m	AN ₊ bis M ₇		04:20	10:59	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 44m					Sa, 22. Feb
So, 23. Feb		19:52–05:32*	9h 40m	AN ₊ bis AN ₋		05:19	11:54	05:34	38m	06:13	37m	06:50	35m	07:26	10h 34m	18:00	35m	18:36	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 ₋		06:05	13:06	05:32	38m	06:11	37m	06:48	35m	07:24	10h 38m	18:02	35m	18:38	37m	19:15	38m	19:53	13h 19m	9h 36m					Mo, 24. Feb
Di, 25. Feb		19:55–05:28*	9h 33m	AN ₊ bis AN ₋		06:38	14:29	05:30	38m	06:09	37m	06:46	35m	07:21	10h 42m	18:04	35m	18:39	37m	19:17	38m	19:55	13h 15m	9h 33m					Di, 25. Feb
Mi, 26. Feb		19:57–05:26*	9h 29m	AN ₊ bis AN ₋		07:03	15:58	05:28	38m	06:07	37m	06:44	35m	07:19	10h 46m	18:06	35m	18:41	37m	19:18	38m	19:57	13h 11m	9h 29m					Mi, 26. Feb
Do, 27. Feb		19:59–05:24*	9h 25m	AN ₊ bis AN ₋		07:21	17:27	05:26	38m	06:05	37m	06:42	35m	07:17	10h 49m	18:07	35m	18:43	37m	19:20	38m	19:59	13h 07m	9h 25m					Do, 27. Feb
Fr, 28. Feb		20:00–05:22*	9h 21m	AN ₊ bis AN ₋	☉	07:36	18:56	05:24	38m	06:03	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		20:25–05:20*	8h 55m	M _\ bis AN ₋		07:49	20:25	05:22	38m	06:00	37m	06:38	35m	07:13	10h 57m	18:11	35m	18:46	37m	19:24	38m	20:02	13h 00m	9h 17m					Sa, 1. Mär
So, 2. Mär		21:54–05:18*	7h 23m	M _\ bis AN ₋		08:02	21:54	05:20	38m	05:58	37m	06:36	35m	07:11	11h 01m	18:12	35m	18:48	37m	19:25	38m	20:04	12h 56m	9h 13m					So, 2. Mär
Mo, 3. Mär		23:25–05:16*	5h 50m	M _\ bis AN ₋		08:17	23:25	05:18	38m	05:56	37m	06:34	35m	07:09	11h 05m	18:14	35m	18:49	37m	19:27	38m	20:06	12h 52m	9h 10m					Mo, 3. Mär
Di, 4. Mär		00:56*–05:13*	4h 17m	M _\ bis AN ₋		08:35	—:—	05:16	38m	05:54	37m	06:32	35m	07:07	11h 09m	18:16	35m	18:51	37m	19:29	38m	20:07	12h 48m	9h 06m					Di, 4. Mär
Mi, 5. Mär		02:24*–05:11*	2h 47m	M _\ bis AN ₋		08:59	00:56	05:13	38m	05:52	37m	06:30	35m	07:05	11h 13m	18:18	35m	18:53	37m	19:30	38m	20:09	12h 44m	9h 02m					Mi, 5. Mär
Do, 6. Mär		03:41*–05:09*	1h 28m	M _\ bis AN ₋	☾	09:33	02:24	05:11	38m	05:50	37m	06:27	34m	07:02	11h 16m	18:19	35m	18:54	37m	19:32	38m	20:11	12h 40m	8h 58m					Do, 6. Mär
Fr, 7. Mär		04:41*–05:07*	25m	M _\ bis AN ₋		10:20	03:41	05:09	38m	05:48	37m	06:25	34m	07:00	11h 20m	18:21	35m	18:56	37m	19:34	38m	20:13	12h 36m	8h 53m					Fr, 7. Mär
Sa, 8. Mär		—:—:—:—	–	Mond stört		11:24	04:41	05:07	38m	05:46	37m	06:23	34m	06:58	11h 24m	18:23	35m	18:58	37m	19:35	39m	20:14	12h 33m	8h 49m					Sa, 8. Mär
So, 9. Mär		—:—:—:—	–	Mond stört		12:39	05:24	05:04	39m	05:43	37m	06:21	34m	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		13:58	05:53	05:02	39m	05:41	37m	06:19	34m	06:54	11h 32m	18:26	35m	19:01	37m	19:39	39m	20:18	12h 25m	8h 41m					Mo, 10. Mär
Di, 11. Mär		—:~:~:~:~	–	Mond stört		15:17	06:14	05:00	39m	05:39	37m	06:17	34m	06:51	11h 36m	18:28	34m	19:03	37m	19:41	39m	20:20	12h 21m	8h 37m					Di, 11. Mär
Mi, 12. Mär		—:~:~:~:~	–	Mond stört		16:33	06:29	04:57	39m	05:37	37m	06:14	34m	06:49	11h 40m	18:30	34m	19:05	37m	19:42	39m	20:22	12h 17m	8h 33m					Mi, 12. Mär
Do, 13. Mär		—:~:~:~:~	–	Mond stört		17:46	06:41	04:55	39m	05:34	37m	06:12	34m	06:47	11h 44m	18:31	34m	19:06	37m	19:44	39m	20:24	12h 13m	8h 28m					Do, 13. Mär
Fr, 14. Mär		—:~:~:~:~	–	Mond stört	☉	18:57	06:52	04:53	39m	05:32	37m	06:10	34m	06:45	11h 48m	18:33	34m	19:08	37m	19:46	39m	20:26	12h 09m	8h 24m					Fr, 14. Mär
Sa, 15. Mär		—:~:~:~:~	–	Mond stört		20:07	07:01	04:50	39m	05:30	37m	06:08	34m	06:43	11h 52m	18:35	35m	19:10	37m	19:47	39m	20:27	12h 05m	8h 20m					Sa, 15. Mär
So, 16. Mär		20:29–21:17	48m	AN ₊ bis M ₇		21:17	07:11	04:48	39m	05:27	37m	06:05	34m	06:40	11h 55m	18:36	35m	19:11	38m	19:49	40m	20:29	12h 01m	8h 15m					So, 16. Mär
Mo, 17. Mär		20:31–22:29	1h 57m	AN ₊ bis M ₇		22:29	07:23	04:45	39m	05:25	37m	06:03	34m	06:38	11h 59m	18:38	35m	19:13	38m	19:51	40m	20:31	11h 57m	8h 11m					Mo, 17. Mär
Di, 18. Mär		20:33–23:42	3h 08m	AN ₊ bis M ₇		23:42	07:36	04:43	40m	05:23	38m	06:01	34m	06:36	12h 03m	18:40	35m	19:15	38m	19:53	40m	20:33	11h 54m	8h 07m					Di, 18. Mär
Mi, 19. Mär		20:35–00:55*	4h 20m	AN ₊ bis M ₇		—:—	07:54	04:40	40m	05:20	38m	05:59	34m	06:34	12h 07m	18:41	35m	19:16	38m	19:55	40m	20:35	11h 50m	8h 02m					Mi, 19. Mär
Do, 20. Mär		20:37–02:06*	5h 28m	AN ₊ bis M ₇		00:55	08:18	04:38	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 58m					Do, 20. Mär
Fr, 21. Mär		20:39–03:08*	6h 29m	AN ₊ bis M ₇		02:06	08:53	04:35	40m	05:16	38m	05:54	35m	06:29	12h 15m	18:45	35m	19:20	38m	19:58	40m	20:39	11h 42m	7h 53m					Fr, 21. Mär
Sa, 22. Mär		20:41–03:59*	7h 17m	AN ₊ bis M ₇	☾	03:08	09:41	04:33	40m	05:13	38m	05:52	35m	06:27	12h 19m	18:46	35m	19:21	38m	20:00	41m	20:41	11h 38m	7h 48m					Sa, 22. Mär
So, 23. Mär		20:43–04:27*	7h 44m	AN ₊ bis AN ₋		03:59	10:44	04:30	41m	05:11	38m	05:49	35m	06:25	12h 23m	18:48	35m	19:23	38m	20:02	41m	20:43	11h 34m	7h 44m					So, 23. Mär
Mo, 24. Mär		20:45–04:25*	7h 39m	AN ₊ bis AN ₋		04:36	12:01	04:27	41m	05:09	38m	05:47	35m	06:22	12h 27m	18:49	35m	19:25	38m	20:04	41m	20:45	11h 30m	7h 39m					Mo, 24. Mär
Di, 25. Mär		20:47–04:22*	7h 34m	AN ₊ bis AN ₋		05:04	13:25	04:25	41m	05:06	38m	05:45	35m	06:20	12h 31m	18:51	35m	19:26	38m	20:05	41m	20:47	11h 26m	7h 34m					Di, 25. Mär
Mi, 26. Mär		20:49–04:19*	7h 30m	AN ₊ bis AN ₋		05:24	14:52	04:22	41m	05:04	38m	05:43	35m	06:18	12h 34m	18:53	35m	19:28	39m	20:07	41m	20:49	11h 22m	7h 30m					Mi, 26. Mär
Do, 27. Mär		20:51–04:17*	7h 25m	AN ₊ bis AN ₋		05:40	16:21	04:19	41m	05:01	38m	05:40	35m	06:16	12h 38m	18:54	35m	19:30	39m	20:09	42m	20:51	11h 18m	7h 25m					Do, 27. Mär
Fr, 28. Mär		20:53–04:14*	7h 20m	AN ₊ bis AN ₋		05:54	17:50	04:17	42m	04:59	39m	05:38	35m	06:13	12h 42m	18:56	35m	19:32	39m	20:11	42m	20:53	11h 15m	7h 20m					Fr, 28. Mär
Sa, 29. Mär		20:55–04:11*	7h 15m	AN ₊ bis AN ₋	☉	06:07	19:20	04:14	42m	04:56	39m	05:36	35m	06:11	12h 46m	18:58	35m	19:33	39m	20:13	42m	20:55	11h 11m	7h 15m					Sa, 29. Mär
So, 30. Mär	MESZ	21:58–05:09*	7h 10m	AN ₊ bis AN ₋		07:21	21:53	05:11	42m	05:54	39m	06:33	35m	07:09	12h 50m	19:59	35m	20:35	39m	21:15	43m	21:58	11h 07m	7h 10m					So, 30. Mär
Mo, 31. Mär	MESZ	23:28–05:06*	5h 37m	M _\ bis AN ₋		07:38	23:28	05:09	42m	05:52	39m	06:31	35m	07:07	12h 54m	20:01	35m	20:37	39m	21:16	43m	22:00	11h 03m	7h 06m					Mo, 31. Mär
Di, 1. Apr	MESZ	01:02*–05:03*	4h 01m	M _\ bis AN ₋		08:00	—:—	05:06	43m	05:49	39m	06:29	35m	07:04	12h 58m	20:03	35m	20:38	39m	21:18	43m	22:02	10h 59m	7h 01m					Di, 1. Apr
Mi, 2. Apr	MESZ	02:27*–05:00*	2h 33m	M _\ bis AN ₋		08:30	01:02	05:03	43m	05:47	39m	06:26	35m	07:02	13h 02m	20:04	35m	20:40	40m	21:20	43								

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

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

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

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		
Mo, 8. Sep	MESZ	—:—:—:—	—	Mond stört		20:11	07:35	04:53	44m	05:37	40m	06:17	36m	06:53	13h 05m	19:59	35m	20:35	40m	21:15	43m	21:59	10h 55m	6h 56m				Mo, 8. Sep
Di, 9. Sep	MESZ	—:—:—:—	—	Mond stört		20:24	09:02	04:55	43m	05:39	40m	06:19	35m	06:55	13h 01m	19:57	35m	20:33	39m	21:13	43m	21:56	10h 59m	7h 01m				Di, 9. Sep
Mi, 10. Sep	MESZ	—:—:~:~:~	—	Mond stört		20:39	10:30	04:57	43m	05:41	39m	06:21	35m	06:57	12h 58m	19:55	35m	20:30	39m	21:10	43m	21:53	11h 03m	7h 06m				Mi, 10. Sep
Do, 11. Sep	MESZ	—:~:~:~:~	—	Mond stört		20:58	12:00	04:59	43m	05:43	39m	06:22	35m	06:58	12h 54m	19:52	35m	20:28	39m	21:08	42m	21:51	11h 07m	7h 10m				Do, 11. Sep
Fr, 12. Sep	MESZ	—:~:~:~:~	—	Mond stört		21:24	13:32	05:01	43m	05:44	39m	06:24	35m	07:00	12h 50m	19:50	35m	20:26	39m	21:05	42m	21:48	11h 11m	7h 15m				Fr, 12. Sep
Sa, 13. Sep	MESZ	21:45–22:01	16m	AN ₊ bis M ₇		22:01	15:00	05:03	42m	05:46	39m	06:26	35m	07:01	12h 46m	19:48	35m	20:23	39m	21:03	42m	21:45	11h 14m	7h 20m				Sa, 13. Sep
So, 14. Sep	MESZ	21:42–22:55	1h 12m	AN ₊ bis M ₇	☾	22:55	16:15	05:05	42m	05:48	39m	06:27	35m	07:03	12h 42m	19:46	35m	20:21	39m	21:00	42m	21:42	11h 18m	7h 25m				So, 14. Sep
Mo, 15. Sep	MESZ	21:40–00:04*	2h 24m	AN ₊ bis M ₇		—:—	17:13	05:07	42m	05:50	39m	06:29	35m	07:04	12h 39m	19:43	35m	20:19	38m	20:58	41m	21:40	11h 22m	7h 29m				Mo, 15. Sep
Di, 16. Sep	MESZ	21:37–01:24*	3h 46m	AN ₊ bis M ₇		00:04	17:53	05:09	41m	05:51	39m	06:30	35m	07:06	12h 35m	19:41	35m	20:16	38m	20:55	41m	21:37	11h 26m	7h 34m				Di, 16. Sep
Mi, 17. Sep	MESZ	21:34–02:46*	5h 12m	AN ₊ bis M ₇		01:24	18:20	05:11	41m	05:53	38m	06:32	35m	07:07	12h 31m	19:39	35m	20:14	38m	20:53	41m	21:34	11h 30m	7h 39m				Mi, 17. Sep
Do, 18. Sep	MESZ	21:32–04:07*	6h 35m	AN ₊ bis M ₇		02:46	18:39	05:13	41m	05:55	38m	06:34	35m	07:09	12h 27m	19:37	35m	20:12	38m	20:50	41m	21:32	11h 34m	7h 43m				Do, 18. Sep
Fr, 19. Sep	MESZ	21:29–05:17*	7h 48m	AN ₊ bis AN ₋		04:07	18:54	05:15	41m	05:57	38m	06:35	35m	07:11	12h 23m	19:34	35m	20:09	38m	20:48	41m	21:29	11h 37m	7h 48m				Fr, 19. Sep
Sa, 20. Sep	MESZ	21:26–05:19*	7h 52m	AN ₊ bis AN ₋		05:25	19:06	05:17	41m	05:58	38m	06:37	35m	07:12	12h 19m	19:32	35m	20:07	38m	20:45	40m	21:26	11h 41m	7h 52m				Sa, 20. Sep
So, 21. Sep	MESZ	21:24–05:21*	7h 57m	AN ₊ bis AN ₋	☀	06:40	19:16	05:19	40m	06:00	38m	06:39	35m	07:14	12h 16m	19:30	35m	20:05	38m	20:43	40m	21:24	11h 45m	7h 57m				So, 21. Sep
Mo, 22. Sep	MESZ	21:21–05:23*	8h 01m	AN ₊ bis AN ₋		07:52	19:27	05:21	40m	06:02	38m	06:40	35m	07:15	12h 12m	19:27	35m	20:02	38m	20:41	40m	21:21	11h 49m	8h 01m				Mo, 22. Sep
Di, 23. Sep	MESZ	21:19–05:25*	8h 06m	AN ₊ bis AN ₋		09:04	19:38	05:23	40m	06:04	38m	06:42	35m	07:17	12h 08m	19:25	34m	20:00	38m	20:38	40m	21:19	11h 53m	8h 06m				Di, 23. Sep
Mi, 24. Sep	MESZ	21:16–05:27*	8h 10m	AN ₊ bis AN ₋		10:16	19:51	05:25	40m	06:05	38m	06:43	35m	07:18	12h 04m	19:23	34m	19:58	38m	20:36	40m	21:16	11h 57m	8h 10m				Mi, 24. Sep
Do, 25. Sep	MESZ	21:14–05:28*	8h 14m	AN ₊ bis AN ₋		11:29	20:07	05:27	40m	06:07	38m	06:45	35m	07:20	12h 00m	19:21	34m	19:56	37m	20:34	40m	21:14	12h 00m	8h 14m				Do, 25. Sep
Fr, 26. Sep	MESZ	21:11–05:30*	8h 19m	AN ₊ bis AN ₋		12:42	20:28	05:28	40m	06:09	38m	06:47	35m	07:22	11h 56m	19:18	34m	19:53	37m	20:31	39m	21:11	12h 04m	8h 19m				Fr, 26. Sep
Sa, 27. Sep	MESZ	21:09–05:32*	8h 23m	AN ₊ bis AN ₋		13:53	20:56	05:30	39m	06:10	37m	06:48	35m	07:23	11h 52m	19:16	34m	19:51	37m	20:29	39m	21:09	12h 08m	8h 23m				Sa, 27. Sep
So, 28. Sep	MESZ	21:37–05:34*	7h 57m	M ₇ bis AN ₋		14:58	21:37	05:32	39m	06:12	37m	06:50	35m	07:25	11h 49m	19:14	34m	19:49	37m	20:27	39m	21:06	12h 12m	8h 27m				So, 28. Sep
Mo, 29. Sep	MESZ	22:30–05:36*	7h 05m	M ₇ bis AN ₋		15:53	22:30	05:34	39m	06:14	37m	06:51	34m	07:26	11h 45m	19:12	34m	19:47	37m	20:24	39m	21:04	12h 16m	8h 31m				Mo, 29. Sep
Di, 30. Sep	MESZ	23:37–05:37*	5h 59m	M ₇ bis AN ₋	☾	16:36	23:37	05:36	39m	06:15	37m	06:53	34m	07:28	11h 41m	19:09	34m	19:44	37m	20:22	39m	21:01	12h 20m	8h 36m				Di, 30. Sep
Mi, 1. Okt	MESZ	00:54*–05:39*	4h 45m	M ₇ bis AN ₋		17:07	—:—	05:37	39m	06:17	37m	06:55	34m	07:30	11h 37m	19:07	34m	19:42	37m	20:20	39m	20:59	12h 24m	8h 40m				Mi, 1. Okt
Do, 2. Okt	MESZ	02:16*–05:41*	3h 25m	M ₇ bis AN ₋		17:30	00:54	05:39	39m	06:18	37m	06:56	35m	07:31	11h 33m	19:05	34m	19:40	37m	20:17	39m	20:57	12h 27m	8h 44m				Do, 2. Okt
Fr, 3. Okt	MESZ	03:39*–05:43*	2h 03m	M ₇ bis AN ₋		17:48	02:16	05:41	39m	06:20	37m	06:58	35m	07:33	11h 29m	19:03	34m	19:38	37m	20:15	39m	20:54	12h 31m	8h 48m				Fr, 3. Okt
Sa, 4. Okt	MESZ	05:04*–05:44*	40m	M ₇ bis AN ₋		18:03	03:39	05:43	39m	06:22	37m	06:59	35m	07:34	11h 26m	19:00	34m	19:35	37m	20:13	38m	20:52	12h 35m	8h 52m				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 22m	18:58	34m	19:33	37m	20:11	38m	20:50	12h 39m	8h 56m				So, 5. Okt
Mo, 6. Okt	MESZ	—:~:~:~:~	—	Mond stört		18:29	06:30	05:46	38m	06:25	37m	07:03	35m	07:38	11h 18m	18:56	34m	19:31	37m	20:08	38m	20:47	12h 43m	9h 00m				Mo, 6. Okt
Di, 7. Okt	MESZ	—:~:~:~:~	—	Mond stört	☾	18:44	07:59	05:48	38m	06:27	37m	07:04	35m	07:39	11h 14m	18:54	35m	19:29	37m	20:06	38m	20:45	12h 47m	9h 04m				Di, 7. Okt
Mi, 8. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:02	09:31	05:49	38m	06:28	37m	07:06	35m	07:41	11h 10m	18:52	35m	19:27	37m	20:04	38m	20:43	12h 50m	9h 08m				Mi, 8. Okt
Do, 9. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:25	11:06	05:51	38m	06:30	37m	07:07	35m	07:43	11h 06m	18:49	35m	19:25	37m	20:02	38m	20:41	12h 54m	9h 12m				Do, 9. Okt
Fr, 10. Okt	MESZ	—:~:~:~:~	—	Mond stört		19:59	12:39	05:53	38m	06:31	37m	07:09	35m	07:44	11h 03m	18:47	35m	19:22	37m	20:00	38m	20:38	12h 58m	9h 16m				Fr, 10. Okt
Sa, 11. Okt	MESZ	20:36–20:48	11m	AN ₊ bis M ₇		20:48	14:02	05:54	38m	06:33	37m	07:11	35m	07:46	10h 59m	18:45	35m	19:20	37m	19:58	38m	20:36	13h 02m	9h 19m				Sa, 11. Okt
So, 12. Okt	MESZ	20:34–21:54	1h 19m	AN ₊ bis M ₇		21:54	15:08	05:56	38m	06:35	37m	07:12	35m	07:47	10h 55m	18:43	35m	19:18	37m	19:56	38m	20:34	13h 06m	9h 23m				So, 12. Okt
Mo, 13. Okt	MESZ	20:32–23:12	2h 40m	AN ₊ bis M ₇	☾	23:12	15:54	05:58	38m	06:36	37m	07:14	35m	07:49	10h 51m	18:41	35m	19:16	37m	19:54	38m	20:32	13h 09m	9h 27m				Mo, 13. Okt
Di, 14. Okt	MESZ	20:30–00:35*	4h 04m	AN ₊ bis M ₇		—:—	16:25	05:59	38m	06:38	37m	07:15	35m	07:51	10h 47m	18:39	35m	19:14	37m	19:52	38m	20:30	13h 13m	9h 31m				Di, 14. Okt
Mi, 15. Okt	MESZ	20:28–01:56*	5h 28m	AN ₊ bis M ₇		00:35	16:46	06:01	38m	06:39	37m	07:17	35m	07:52	10h 44m	18:37	35m	19:12	37m	19:49	38m	20:28	13h 17m	9h 34m				Mi, 15. Okt
Do, 16. Okt	MESZ	20:26–03:14*	6h 47m	AN ₊ bis M ₇		01:56	17:02	06:03	38m	06:41	37m	07:19	35m	07:54	10h 40m	18:35	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 04m	AN ₊ bis M ₇		03:14	17:14	06:04	38m	06:43	37m	07:20	35m	07:56	10h 36m	18:32	35m	19:08	37m	19:45	38m	20:24	13h 24m	9h 42m				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	07:57	10h 32m	18:30	35m	19:06	37m	19:44	38m	20:22	13h 28m	9h 45m				Sa, 18. Okt
So, 19. Okt	MESZ	20:20–06:09*	9h 49m	AN ₊ bis AN ₋		05:40	17:36	06:08	38m	06:46	37m	07:23	35m	07:59	10h 29m	18:28	35m	19:04	37m	19:42	38m	20:20	13h 32m	9h 49m				So, 19. Okt
Mo, 20. Okt	MESZ	20:18–06:11*	9h 5																									

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