

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Mainz 50.0000° N 8.2711° 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		18:36–06:24*	11h 48m	AN ₊ bis AN ₋		10:03	18:02	06:24	39m	07:04	40m	07:44	40m	08:24	8h 11m	16:36	40m	17:16	40m	17:57	39m	18:36	15h 48m	11h 48m				Mi, 1. Jan
Do, 2. Jan		19:26–06:24*	10h 58m	M _\ bis AN ₋		10:30	19:26	06:24	39m	07:04	40m	07:44	40m	08:24	8h 12m	16:37	40m	17:17	40m	17:58	39m	18:37	15h 47m	11h 47m				Do, 2. Jan
Fr, 3. Jan		20:50–06:24*	9h 34m	M _\ bis AN ₋		10:50	20:50	06:24	39m	07:04	40m	07:44	40m	08:24	8h 13m	16:38	40m	17:18	40m	17:59	39m	18:38	15h 46m	11h 46m				Fr, 3. Jan
Sa, 4. Jan		22:13–06:24*	8h 11m	M _\ bis AN ₋		11:06	22:13	06:24	39m	07:04	40m	07:44	40m	08:24	8h 15m	16:39	40m	17:19	40m	18:00	39m	18:39	15h 44m	11h 45m				Sa, 4. Jan
So, 5. Jan		23:35–06:24*	6h 49m	M _\ bis AN ₋		11:20	23:35	06:24	39m	07:03	40m	07:44	40m	08:24	8h 16m	16:40	40m	17:20	40m	18:01	39m	18:40	15h 43m	11h 44m				So, 5. Jan
Mo, 6. Jan		00:57*–06:24*	5h 26m	M _\ bis AN ₋		11:34	—:—	06:24	39m	07:03	40m	07:43	40m	08:23	8h 18m	16:42	40m	17:22	40m	18:02	39m	18:41	15h 41m	11h 43m				Mo, 6. Jan
Di, 7. Jan		02:22*–06:24*	4h 02m	M _\ bis AN ₋	☾	11:48	00:57	06:24	39m	07:03	40m	07:43	39m	08:23	8h 19m	16:43	39m	17:23	40m	18:03	39m	18:42	15h 39m	11h 42m				Di, 7. Jan
Mi, 8. Jan		03:48*–06:24*	2h 35m	M _\ bis AN ₋		12:06	02:22	06:24	38m	07:03	40m	07:43	39m	08:23	8h 21m	16:44	39m	17:24	40m	18:04	38m	18:43	15h 38m	11h 40m				Mi, 8. Jan
Do, 9. Jan		05:15*–06:23*	1h 08m	M _\ bis AN ₋		12:28	03:48	06:24	38m	07:03	39m	07:42	39m	08:22	8h 23m	16:45	39m	17:25	39m	18:05	38m	18:44	15h 36m	11h 39m				Do, 9. Jan
Fr, 10. Jan		—:—:—:—	–	Mond stört		12:59	05:15	06:23	38m	07:02	39m	07:42	39m	08:22	8h 24m	16:47	39m	17:26	39m	18:06	38m	18:45	15h 34m	11h 37m				Fr, 10. Jan
Sa, 11. Jan		—:—:—:—	–	Mond stört		13:43	06:36	06:23	38m	07:02	39m	07:42	39m	08:21	8h 26m	16:48	39m	17:28	39m	18:07	38m	18:46	15h 32m	11h 36m				Sa, 11. Jan
So, 12. Jan		—:—:~:~:~	–	Mond stört		14:42	07:45	06:23	38m	07:01	39m	07:41	39m	08:21	8h 28m	16:49	39m	17:29	39m	18:09	38m	18:47	15h 30m	11h 34m				So, 12. Jan
Mo, 13. Jan		—:~:~:~:~	–	Mond stört	☾	15:55	08:36	06:22	38m	07:01	39m	07:41	39m	08:20	8h 30m	16:51	39m	17:30	39m	18:10	38m	18:49	15h 28m	11h 33m				Mo, 13. Jan
Di, 14. Jan		—:~:~:~:~	–	Mond stört		17:15	09:12	06:22	38m	07:00	39m	07:40	39m	08:19	8h 33m	16:52	39m	17:31	39m	18:11	38m	18:50	15h 26m	11h 31m				Di, 14. Jan
Mi, 15. Jan		—:~:~:~:~	–	Mond stört		18:35	09:37	06:21	38m	07:00	39m	07:39	39m	08:18	8h 35m	16:54	39m	17:33	39m	18:12	38m	18:51	15h 23m	11h 29m				Mi, 15. Jan
Do, 16. Jan		18:52–19:51	59m	AN ₊ bis M _\		19:51	09:56	06:21	38m	06:59	39m	07:39	38m	08:18	8h 37m	16:55	38m	17:34	39m	18:14	38m	18:52	15h 21m	11h 27m				Do, 16. Jan
Fr, 17. Jan		18:53–21:04	2h 10m	AN ₊ bis M _\		21:04	10:10	06:20	38m	06:59	39m	07:38	38m	08:17	8h 39m	16:57	38m	17:36	39m	18:15	38m	18:53	15h 19m	11h 26m				Fr, 17. Jan
Sa, 18. Jan		18:55–22:14	3h 19m	AN ₊ bis M _\		22:14	10:22	06:20	38m	06:58	39m	07:37	38m	08:16	8h 42m	16:58	38m	17:37	39m	18:16	38m	18:55	15h 16m	11h 24m				Sa, 18. Jan
So, 19. Jan		18:56–23:23	4h 27m	AN ₊ bis M _\		23:23	10:33	06:19	38m	06:57	39m	07:36	38m	08:15	8h 44m	17:00	38m	17:38	39m	18:18	38m	18:56	15h 14m	11h 22m				So, 19. Jan
Mo, 20. Jan		18:57–00:32*	5h 34m	AN ₊ bis M _\		—:—	10:44	06:18	38m	06:57	39m	07:36	38m	08:14	8h 47m	17:01	38m	17:40	39m	18:19	38m	18:57	15h 11m	11h 20m				Mo, 20. Jan
Di, 21. Jan		18:59–01:42*	6h 42m	AN ₊ bis M _\	☾	00:32	10:57	06:17	38m	06:56	38m	07:35	38m	08:13	8h 49m	17:03	38m	17:41	38m	18:20	38m	18:59	15h 08m	11h 17m				Di, 21. Jan
Mi, 22. Jan		19:00–02:53*	7h 53m	AN ₊ bis M _\		01:42	11:11	06:17	38m	06:55	38m	07:34	38m	08:12	8h 52m	17:05	38m	17:43	38m	18:22	38m	19:00	15h 06m	11h 15m				Mi, 22. Jan
Do, 23. Jan		19:01–04:07*	9h 05m	AN ₊ bis M _\		02:53	11:29	06:16	38m	06:54	38m	07:33	38m	08:11	8h 55m	17:06	38m	17:44	38m	18:23	38m	19:01	15h 03m	11h 13m				Do, 23. Jan
Fr, 24. Jan		19:03–05:19*	10h 15m	AN ₊ bis M _\		04:07	11:54	06:15	38m	06:53	38m	07:32	37m	08:10	8h 58m	17:08	37m	17:46	38m	18:25	38m	19:03	15h 00m	11h 11m				Fr, 24. Jan
Sa, 25. Jan		19:04–06:13*	11h 08m	AN ₊ bis AN ₋		05:19	12:28	06:14	38m	06:52	38m	07:31	37m	08:09	9h 00m	17:09	37m	17:47	38m	18:26	38m	19:04	14h 57m	11h 08m				Sa, 25. Jan
So, 26. Jan		19:06–06:12*	11h 06m	AN ₊ bis AN ₋		06:25	13:17	06:13	38m	06:51	38m	07:30	37m	08:07	9h 03m	17:11	37m	17:49	38m	18:27	38m	19:06	14h 54m	11h 06m				So, 26. Jan
Mo, 27. Jan		19:07–06:11*	11h 04m	AN ₊ bis AN ₋		07:19	14:21	06:12	37m	06:50	38m	07:29	37m	08:06	9h 06m	17:13	37m	17:50	38m	18:29	38m	19:07	14h 51m	11h 04m				Mo, 27. Jan
Di, 28. Jan		19:08–06:10*	11h 01m	AN ₊ bis AN ₋		08:01	15:38	06:11	37m	06:49	38m	07:27	37m	08:05	9h 09m	17:15	37m	17:52	38m	18:30	37m	19:08	14h 48m	11h 01m				Di, 28. Jan
Mi, 29. Jan		19:10–06:09*	10h 59m	AN ₊ bis AN ₋	☾	08:31	17:03	06:10	37m	06:48	38m	07:26	37m	08:03	9h 12m	17:16	37m	17:54	38m	18:32	37m	19:10	14h 45m	10h 59m				Mi, 29. Jan
Do, 30. Jan		19:11–06:08*	10h 56m	AN ₊ bis AN ₋		08:54	18:30	06:09	37m	06:47	38m	07:25	37m	08:02	9h 15m	17:18	37m	17:55	38m	18:33	37m	19:11	14h 42m	10h 56m				Do, 30. Jan
Fr, 31. Jan		19:56–06:07*	10h 10m	M _\ bis AN ₋		09:11	19:56	06:08	37m	06:46	38m	07:24	37m	08:01	9h 18m	17:20	37m	17:57	38m	18:35	37m	19:13	14h 39m	10h 53m				Fr, 31. Jan
Sa, 1. Feb		21:20–06:05*	8h 45m	M _\ bis AN ₋		09:26	21:20	06:07	37m	06:44	37m	07:22	36m	07:59	9h 22m	17:21	36m	17:58	38m	18:36	37m	19:14	14h 36m	10h 51m				Sa, 1. Feb
So, 2. Feb		22:45–06:04*	7h 19m	M _\ bis AN ₋		09:40	22:45	06:05	37m	06:43	37m	07:21	36m	07:58	9h 25m	17:23	36m	18:00	37m	18:38	37m	19:16	14h 33m	10h 48m				So, 2. Feb
Mo, 3. Feb		00:10*–06:03*	5h 53m	M _\ bis AN ₋		09:55	—:—	06:04	37m	06:42	37m	07:20	36m	07:56	9h 28m	17:25	36m	18:01	37m	18:39	37m	19:17	14h 30m	10h 45m				Mo, 3. Feb
Di, 4. Feb		01:36*–06:02*	4h 25m	M _\ bis AN ₋		10:11	00:10	06:03	37m	06:40	37m	07:18	36m	07:55	9h 31m	17:26	36m	18:03	37m	18:41	37m	19:19	14h 26m	10h 43m				Di, 4. Feb
Mi, 5. Feb		03:03*–06:00*	2h 57m	M _\ bis AN ₋	☾	10:32	01:36	06:02	37m	06:39	37m	07:17	36m	07:53	9h 34m	17:28	36m	18:05	37m	18:42	37m	19:20	14h 23m	10h 40m				Mi, 5. Feb
Do, 6. Feb		04:25*–05:59*	1h 33m	M _\ bis AN ₋		10:59	03:03	06:00	37m	06:38	37m	07:15	36m	07:52	9h 38m	17:30	36m	18:06	37m	18:44	37m	19:22	14h 20m	10h 37m				Do, 6. Feb
Fr, 7. Feb		05:37*–05:57*	20m	M _\ bis AN ₋		11:38	04:25	05:59	37m	06:36	37m	07:14	36m	07:50	9h 41m	17:32	36m	18:08	37m	18:45	37m	19:23	14h 16m	10h 34m				Fr, 7. Feb
Sa, 8. Feb		—:~:~:~:~	–	Mond stört		12:31	05:37	05:57	37m	06:35	37m	07:12	36m	07:48	9h 44m	17:33	36m	18:10	37m	18:47	37m	19:25	14h 13m	10h 31m				Sa, 8. Feb
So, 9. Feb		—:~:~:~:~	–	Mond stört		13:38	06:32	05:56	37m	06:33	37m	07:11	36m	07:47	9h 48m	17:35	36m	18:11	37m	18:49	37m	19:26	14h 09m	10h 28m				So, 9. Feb
Mo, 10. Feb		—:~:~:~:~	–	Mond stört		14:55	07:12	05:54	37m	06:32	37m	07:09	35m	07:45	9h 51m	17:37	35m	18:13	37m	18:50	37m	19:28	14h 06m	10h 25m				Mo, 10. Feb
Di, 11. Feb		—:~:~:~:~	–	Mond stört		16:14	07:40	05:53	37m	06:30	37m	07:08	35m	07:43	9h 55m	17:39	35m	18:14	37m	18:52	37m	19:29	14h 03m	10h 22m				Di, 11. Feb
Mi, 12. Feb		—:~:~:~:~	–	Mond stört	☾	17:32	08:00	05:51	37m	06:29	37m	07:06	35m	07:42	9h 58m	17:40	35m	18:16										

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

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

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

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

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

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

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