

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Nogent-sur-Marne 48.8367° N 2.4825° 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		19:01–06:46*	11h 44m	AN ₊ bis AN ₋		10:21	18:33	06:46	38m	07:24	39m	08:03	39m	08:43	8h 21m	17:04	39m	17:43	39m	18:23	38m	19:01	15h 38m	11h 44m					Mi, 1. Jan
Do, 2. Jan		19:55–06:46*	10h 50m	M _\ bis AN ₋		10:49	19:55	06:46	38m	07:24	39m	08:03	39m	08:42	8h 22m	17:05	39m	17:44	39m	18:24	38m	19:02	15h 37m	11h 43m					Do, 2. Jan
Fr, 3. Jan		21:17–06:46*	9h 28m	M _\ bis AN ₋		11:10	21:17	06:46	38m	07:24	39m	08:03	39m	08:42	8h 23m	17:06	39m	17:45	39m	18:25	38m	19:03	15h 35m	11h 43m					Fr, 3. Jan
Sa, 4. Jan		22:39–06:46*	8h 07m	M _\ bis AN ₋		11:27	22:39	06:46	38m	07:24	39m	08:03	38m	08:42	8h 25m	17:07	38m	17:46	39m	18:26	38m	19:04	15h 34m	11h 42m					Sa, 4. Jan
So, 5. Jan		23:59–06:46*	6h 46m	M _\ bis AN ₋		11:43	23:59	06:46	38m	07:24	39m	08:03	38m	08:42	8h 26m	17:08	38m	17:47	39m	18:27	38m	19:05	15h 33m	11h 40m					So, 5. Jan
Mo, 6. Jan		01:20*–06:46*	5h 25m	M _\ bis AN ₋		11:58	—:—	06:46	38m	07:24	39m	08:03	38m	08:42	8h 27m	17:10	38m	17:48	39m	18:28	38m	19:06	15h 31m	11h 39m					Mo, 6. Jan
Di, 7. Jan		02:43*–06:45*	4h 02m	M _\ bis AN ₋	☾	12:14	01:20	06:46	38m	07:24	39m	08:03	38m	08:41	8h 29m	17:11	38m	17:50	39m	18:29	38m	19:07	15h 30m	11h 38m					Di, 7. Jan
Mi, 8. Jan		04:08*–06:45*	2h 36m	M _\ bis AN ₋		12:33	02:43	06:45	38m	07:23	38m	08:02	38m	08:41	8h 31m	17:12	38m	17:51	38m	18:30	38m	19:08	15h 28m	11h 37m					Mi, 8. Jan
Do, 9. Jan		05:33*–06:45*	1h 11m	M _\ bis AN ₋		12:57	04:08	06:45	37m	07:23	38m	08:02	38m	08:41	8h 32m	17:13	38m	17:52	38m	18:31	38m	19:09	15h 26m	11h 36m					Do, 9. Jan
Fr, 10. Jan		—:—:—:—	–	Mond stört		13:30	05:33	06:45	37m	07:23	38m	08:02	38m	08:40	8h 34m	17:15	38m	17:53	38m	18:32	37m	19:10	15h 25m	11h 34m					Fr, 10. Jan
Sa, 11. Jan		—:—:—:—	–	Mond stört		14:15	06:53	06:45	37m	07:22	38m	08:01	38m	08:40	8h 36m	17:16	38m	17:54	38m	18:33	37m	19:11	15h 23m	11h 33m					Sa, 11. Jan
So, 12. Jan		—:—:~:~:~	–	Mond stört		15:15	08:01	06:44	37m	07:22	38m	08:01	38m	08:39	8h 38m	17:17	38m	17:56	38m	18:34	37m	19:12	15h 21m	11h 31m					So, 12. Jan
Mo, 13. Jan		—:~:~:~:~	–	Mond stört	☾	16:27	08:53	06:44	37m	07:22	38m	08:00	38m	08:38	8h 40m	17:19	38m	17:57	38m	18:35	37m	19:13	15h 19m	11h 30m					Mo, 13. Jan
Di, 14. Jan		—:~:~:~:~	–	Mond stört		17:45	09:30	06:43	37m	07:21	38m	08:00	38m	08:38	8h 42m	17:20	38m	17:58	38m	18:37	37m	19:14	15h 17m	11h 28m					Di, 14. Jan
Mi, 15. Jan		—:~:~:~:~	–	Mond stört		19:03	09:56	06:43	37m	07:21	38m	07:59	37m	08:37	8h 44m	17:21	37m	17:59	38m	18:38	37m	19:16	15h 14m	11h 26m					Mi, 15. Jan
Do, 16. Jan		19:17–20:19	1h 01m	AN ₊ bis M ₇		20:19	10:16	06:42	37m	07:20	38m	07:59	37m	08:36	8h 46m	17:23	37m	18:01	38m	18:39	37m	19:17	15h 12m	11h 25m					Do, 16. Jan
Fr, 17. Jan		19:18–21:30	2h 12m	AN ₊ bis M ₇		21:30	10:31	06:42	37m	07:20	38m	07:58	37m	08:36	8h 48m	17:24	37m	18:02	38m	18:40	37m	19:18	15h 10m	11h 23m					Fr, 17. Jan
Sa, 18. Jan		19:19–22:39	3h 19m	AN ₊ bis M ₇		22:39	10:45	06:41	37m	07:19	38m	07:57	37m	08:35	8h 51m	17:26	37m	18:03	38m	18:42	37m	19:19	15h 08m	11h 21m					Sa, 18. Jan
So, 19. Jan		19:20–23:46	4h 25m	AN ₊ bis M ₇		23:46	10:57	06:41	37m	07:18	38m	07:56	37m	08:34	8h 53m	17:27	37m	18:05	38m	18:43	37m	19:20	15h 05m	11h 19m					So, 19. Jan
Mo, 20. Jan		19:22–00:54*	5h 32m	AN ₊ bis M ₇		—:—	11:09	06:40	37m	07:18	38m	07:56	37m	08:33	8h 55m	17:29	37m	18:06	38m	18:44	37m	19:22	15h 03m	11h 17m					Mo, 20. Jan
Di, 21. Jan		19:23–02:02*	6h 39m	AN ₊ bis M ₇	☾	00:54	11:23	06:39	37m	07:17	37m	07:55	37m	08:32	8h 58m	17:30	37m	18:08	37m	18:46	37m	19:23	15h 00m	11h 15m					Di, 21. Jan
Mi, 22. Jan		19:24–03:13*	7h 48m	AN ₊ bis M ₇		02:02	11:38	06:39	37m	07:16	37m	07:54	37m	08:31	9h 00m	17:32	37m	18:09	37m	18:47	37m	19:24	14h 58m	11h 13m					Mi, 22. Jan
Do, 23. Jan		19:26–04:25*	8h 59m	AN ₊ bis M ₇		03:13	11:58	06:38	37m	07:15	37m	07:53	37m	08:30	9h 03m	17:33	37m	18:10	37m	18:48	37m	19:26	14h 55m	11h 11m					Do, 23. Jan
Fr, 24. Jan		19:27–05:36*	10h 08m	AN ₊ bis M ₇		04:25	12:24	06:37	37m	07:14	37m	07:52	36m	08:29	9h 06m	17:35	36m	18:12	37m	18:50	37m	19:27	14h 52m	11h 09m					Fr, 24. Jan
Sa, 25. Jan		19:28–06:35*	11h 07m	AN ₊ bis AN ₋		05:36	12:59	06:36	37m	07:13	37m	07:51	36m	08:28	9h 08m	17:37	36m	18:13	37m	18:51	37m	19:28	14h 50m	11h 07m					Sa, 25. Jan
So, 26. Jan		19:30–06:34*	11h 04m	AN ₊ bis AN ₋		06:41	13:49	06:35	37m	07:12	37m	07:50	36m	08:27	9h 11m	17:38	36m	18:15	37m	18:52	37m	19:30	14h 47m	11h 04m					So, 26. Jan
Mo, 27. Jan		19:31–06:33*	11h 02m	AN ₊ bis AN ₋		07:35	14:53	06:34	37m	07:11	37m	07:49	36m	08:25	9h 14m	17:40	36m	18:16	37m	18:54	37m	19:31	14h 44m	11h 02m					Mo, 27. Jan
Di, 28. Jan		19:32–06:32*	11h 00m	AN ₊ bis AN ₋		08:18	16:09	06:33	37m	07:10	37m	07:48	36m	08:24	9h 17m	17:41	36m	18:18	37m	18:55	37m	19:32	14h 41m	11h 00m					Di, 28. Jan
Mi, 29. Jan		19:34–06:31*	10h 57m	AN ₊ bis AN ₋	☾	08:50	17:33	06:32	37m	07:09	37m	07:47	36m	08:23	9h 20m	17:43	36m	18:19	37m	18:57	37m	19:34	14h 38m	10h 57m					Mi, 29. Jan
Do, 30. Jan		19:35–06:30*	10h 55m	AN ₊ bis AN ₋		09:13	18:58	06:31	36m	07:08	37m	07:45	36m	08:22	9h 22m	17:45	36m	18:21	37m	18:58	36m	19:35	14h 35m	10h 55m					Do, 30. Jan
Fr, 31. Jan		20:22–06:29*	10h 07m	M _\ bis AN ₋		09:33	20:22	06:30	36m	07:07	37m	07:44	36m	08:20	9h 25m	17:46	36m	18:22	37m	19:00	36m	19:36	14h 32m	10h 52m					Fr, 31. Jan
Sa, 1. Feb		21:45–06:28*	8h 42m	M _\ bis AN ₋		09:49	21:45	06:29	36m	07:06	37m	07:43	35m	08:19	9h 28m	17:48	35m	18:24	37m	19:01	36m	19:38	14h 29m	10h 50m					Sa, 1. Feb
So, 2. Feb		23:08–06:27*	7h 18m	M _\ bis AN ₋		10:04	23:08	06:28	36m	07:05	36m	07:42	35m	08:18	9h 31m	17:50	35m	18:25	37m	19:02	36m	19:39	14h 26m	10h 47m					So, 2. Feb
Mo, 3. Feb		00:31*–06:26*	5h 54m	M _\ bis AN ₋		10:20	—:—	06:27	36m	07:04	36m	07:40	35m	08:16	9h 34m	17:51	35m	18:27	36m	19:04	36m	19:41	14h 23m	10h 44m					Mo, 3. Feb
Di, 4. Feb		01:56*–06:24*	4h 27m	M _\ bis AN ₋		10:38	00:31	06:26	36m	07:02	36m	07:39	35m	08:15	9h 38m	17:53	35m	18:28	36m	19:05	36m	19:42	14h 20m	10h 42m					Di, 4. Feb
Mi, 5. Feb		03:21*–06:23*	3h 01m	M _\ bis AN ₋	☾	11:00	01:56	06:24	36m	07:01	36m	07:38	35m	08:13	9h 41m	17:54	35m	18:30	36m	19:07	36m	19:44	14h 17m	10h 39m					Mi, 5. Feb
Do, 6. Feb		04:42*–06:22*	1h 39m	M _\ bis AN ₋		11:29	03:21	06:23	36m	07:00	36m	07:36	35m	08:12	9h 44m	17:56	35m	18:32	36m	19:08	36m	19:45	14h 14m	10h 36m					Do, 6. Feb
Fr, 7. Feb		05:53*–06:20*	27m	M _\ bis AN ₋		12:09	04:42	06:22	36m	06:58	36m	07:35	35m	08:10	9h 47m	17:58	35m	18:33	36m	19:10	36m	19:46	14h 10m	10h 33m					Fr, 7. Feb
Sa, 8. Feb		—:~:~:~:~	–	Mond stört		13:03	05:53	06:20	36m	06:57	36m	07:33	35m	08:09	9h 50m	17:59	35m	18:35	36m	19:11	36m	19:48	14h 07m	10h 30m					Sa, 8. Feb
So, 9. Feb		—:~:~:~:~	–	Mond stört		14:10	06:48	06:19	36m	06:55	36m	07:32	35m	08:07	9h 54m	18:01	35m	18:36	36m	19:13	36m	19:49	14h 04m	10h 28m					So, 9. Feb
Mo, 10. Feb		—:~:~:~:~	–	Mond stört		15:26	07:29	06:17	36m	06:54	36m	07:30	34m	08:05	9h 57m	18:03	35m	18:38	36m	19:14	36m	19:51	14h 01m	10h 25m					Mo, 10. Feb
Di, 11. Feb		—:~:~:~:~	–	Mond stört		16:44	07:59	06:16	36m	06:53	36m	07:29	34m	08:04	10h 00m	18:04	34m	18:39	36m	19:16	36m	19:52	13h 57m	10					

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

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		
Fr, 11. Apr	MESZ	—:—:—:—	—	Mond stört		19:15	06:32	05:09	43m	05:52	39m	06:31	34m	07:06	13h 29m	20:36	35m	21:11	39m	21:50	43m	22:34	10h 28m	6h 31m				Fr, 11. Apr
Sa, 12. Apr	MESZ	—:—:—:—	—	Mond stört		20:23	06:44	05:06	43m	05:50	39m	06:29	35m	07:04	13h 33m	20:37	35m	21:13	39m	21:52	44m	22:36	10h 24m	6h 26m				Sa, 12. Apr
So, 13. Apr	MESZ	—:—:—:—	—	Mond stört	○	21:32	06:57	05:03	44m	05:47	39m	06:27	35m	07:02	13h 36m	20:39	35m	21:14	39m	21:54	44m	22:39	10h 21m	6h 21m				So, 13. Apr
Mo, 14. Apr	MESZ	22:41 – 22:42	0m	AN ₊ bis M ₇		22:42	07:12	05:01	44m	05:45	39m	06:25	35m	07:00	13h 40m	20:40	35m	21:16	40m	21:56	44m	22:41	10h 17m	6h 17m				Mo, 14. Apr
Di, 15. Apr	MESZ	22:43 – 23:52	1h 09m	AN ₊ bis M ₇		23:52	07:31	04:58	44m	05:43	40m	06:23	35m	06:58	13h 43m	20:42	35m	21:17	40m	21:58	45m	22:43	10h 14m	6h 12m				Di, 15. Apr
Mi, 16. Apr	MESZ	22:45 – 01:01*	2h 16m	AN ₊ bis M ₇		—:—	07:55	04:55	45m	05:40	40m	06:21	35m	06:56	13h 47m	20:43	35m	21:19	40m	22:00	45m	22:45	10h 10m	6h 07m				Mi, 16. Apr
Do, 17. Apr	MESZ	22:48 – 02:05*	3h 17m	AN ₊ bis M ₇		01:01	08:28	04:52	45m	05:38	40m	06:19	35m	06:54	13h 50m	20:45	35m	21:21	40m	22:01	46m	22:48	10h 07m	6h 02m				Do, 17. Apr
Fr, 18. Apr	MESZ	22:50 – 02:59*	4h 09m	AN ₊ bis M ₇		02:05	09:12	04:50	46m	05:36	40m	06:17	35m	06:52	13h 53m	20:46	35m	21:22	41m	22:03	46m	22:50	10h 04m	5h 57m				Fr, 18. Apr
Sa, 19. Apr	MESZ	22:52 – 03:42*	4h 49m	AN ₊ bis M ₇		02:59	10:09	04:47	46m	05:34	40m	06:14	35m	06:50	13h 57m	20:48	36m	21:24	41m	22:05	47m	22:52	10h 00m	5h 52m				Sa, 19. Apr
So, 20. Apr	MESZ	22:55 – 04:14*	5h 19m	AN ₊ bis M ₇		03:42	11:18	04:44	46m	05:31	41m	06:12	36m	06:49	14h 00m	20:49	36m	21:26	41m	22:07	47m	22:55	9h 57m	5h 46m				So, 20. Apr
Mo, 21. Apr	MESZ	22:57 – 04:39*	5h 41m	AN ₊ bis AN ₋	◐	04:14	12:34	04:41	47m	05:29	41m	06:10	36m	06:47	14h 04m	20:51	36m	21:27	41m	22:09	47m	22:57	9h 53m	5h 41m				Mo, 21. Apr
Di, 22. Apr	MESZ	22:59 – 04:36*	5h 36m	AN ₊ bis AN ₋		04:39	13:55	04:39	47m	05:27	41m	06:08	36m	06:45	14h 07m	20:52	36m	21:29	42m	22:11	48m	22:59	9h 50m	5h 36m				Di, 22. Apr
Mi, 23. Apr	MESZ	23:02 – 04:33*	5h 31m	AN ₊ bis AN ₋		04:59	15:17	04:36	48m	05:24	42m	06:06	36m	06:43	14h 10m	20:54	36m	21:30	42m	22:13	48m	23:02	9h 47m	5h 31m				Mi, 23. Apr
Do, 24. Apr	MESZ	23:04 – 04:30*	5h 26m	AN ₊ bis AN ₋		05:16	16:40	04:33	48m	05:22	42m	06:04	36m	06:41	14h 14m	20:55	36m	21:32	42m	22:15	49m	23:04	9h 43m	5h 26m				Do, 24. Apr
Fr, 25. Apr	MESZ	23:07 – 04:28*	5h 20m	AN ₊ bis AN ₋		05:32	18:05	04:30	49m	05:20	42m	06:02	36m	06:39	14h 17m	20:57	37m	21:34	42m	22:17	50m	23:07	9h 40m	5h 20m				Fr, 25. Apr
Sa, 26. Apr	MESZ	23:09 – 04:25*	5h 15m	AN ₊ bis AN ₋		05:48	19:32	04:28	50m	05:18	42m	06:00	36m	06:37	14h 20m	20:58	37m	21:35	43m	22:19	50m	23:09	9h 37m	5h 15m				Sa, 26. Apr
So, 27. Apr	MESZ	23:12 – 04:22*	5h 10m	AN ₊ bis AN ₋	◑	06:06	21:04	04:25	50m	05:15	43m	05:58	37m	06:36	14h 24m	21:00	37m	21:37	43m	22:20	51m	23:12	9h 34m	5h 10m				So, 27. Apr
Mo, 28. Apr	MESZ	23:14 – 04:19*	5h 04m	AN ₊ bis AN ₋		06:29	22:37	04:22	51m	05:13	43m	05:57	37m	06:34	14h 27m	21:01	37m	21:39	43m	22:22	51m	23:14	9h 30m	5h 04m				Mo, 28. Apr
Di, 29. Apr	MESZ	00:06* – 04:16*	4h 10m	M _\ bis AN ₋		06:59	—:—	04:19	51m	05:11	43m	05:55	37m	06:32	14h 30m	21:03	37m	21:40	44m	22:24	52m	23:17	9h 27m	4h 59m				Di, 29. Apr
Mi, 30. Apr	MESZ	01:24* – 04:13*	2h 49m	M _\ bis AN ₋		07:40	00:06	04:16	52m	05:09	44m	05:53	37m	06:30	14h 33m	21:04	37m	21:42	44m	22:26	53m	23:19	9h 24m	4h 53m				Mi, 30. Apr
Do, 1. Mai	MESZ	02:24* – 04:10*	1h 46m	M _\ bis AN ₋		08:36	01:24	04:13	53m	05:06	44m	05:51	37m	06:29	14h 36m	21:06	38m	21:44	44m	22:28	53m	23:22	9h 21m	4h 48m				Do, 1. Mai
Fr, 2. Mai	MESZ	03:06* – 04:08*	1h 01m	M _\ bis AN ₋		09:47	02:24	04:10	53m	05:04	44m	05:49	38m	06:27	14h 40m	21:07	38m	21:45	45m	22:30	54m	23:25	9h 18m	4h 42m				Fr, 2. Mai
Sa, 3. Mai	MESZ	03:36* – 04:05*	29m	M _\ bis AN ₋		11:04	03:06	04:08	54m	05:02	45m	05:47	38m	06:25	14h 43m	21:08	38m	21:47	45m	22:32	55m	23:28	9h 15m	4h 37m				Sa, 3. Mai
So, 4. Mai	MESZ	03:57* – 04:02*	4m	M _\ bis AN ₋	◒	12:23	03:36	04:05	55m	05:00	45m	05:45	38m	06:24	14h 46m	21:10	38m	21:49	45m	22:34	56m	23:30	9h 12m	4h 31m				So, 4. Mai
Mo, 5. Mai	MESZ	—:—:—:—	—	Mond stört		13:38	03:57	04:02	56m	04:58	45m	05:43	38m	06:22	14h 49m	21:11	38m	21:50	46m	22:36	56m	23:33	9h 09m	4h 25m				Mo, 5. Mai
Di, 6. Mai	MESZ	—:—:~:~:~	—	Mond stört		14:50	04:14	03:59	56m	04:56	46m	05:42	38m	06:20	14h 52m	21:13	38m	21:52	46m	22:38	57m	23:36	9h 06m	4h 20m				Di, 6. Mai
Mi, 7. Mai	MESZ	—:~:~:~:~	—	Mond stört		15:59	04:27	03:56	57m	04:54	46m	05:40	38m	06:19	14h 55m	21:14	39m	21:53	46m	22:40	58m	23:39	9h 03m	4h 14m				Mi, 7. Mai
Do, 8. Mai	MESZ	—:~:~:~:~	—	Mond stört		17:07	04:40	03:53	58m	04:51	46m	05:38	39m	06:17	14h 58m	21:16	39m	21:55	47m	22:42	59m	23:41	9h 00m	4h 08m				Do, 8. Mai
Fr, 9. Mai	MESZ	—:~:~:~:~	—	Mond stört		18:14	04:52	03:50	59m	04:49	47m	05:37	39m	06:16	15h 01m	21:17	39m	21:57	47m	22:44	1h 00m	23:44	8h 57m	4h 02m				Fr, 9. Mai
Sa, 10. Mai	MESZ	—:~:~:~:~	—	Mond stört		19:22	05:05	03:47	1h 00m	04:47	47m	05:35	39m	06:14	15h 04m	21:18	39m	21:58	47m	22:46	1h 01m	23:47	8h 54m	3h 56m				Sa, 10. Mai
So, 11. Mai	MESZ	—:~:~:~:~	—	Mond stört		20:31	05:19	03:44	1h 01m	04:45	47m	05:33	39m	06:13	15h 06m	21:20	39m	22:00	48m	22:48	1h 02m	23:50	8h 51m	3h 50m				So, 11. Mai
Mo, 12. Mai	MESZ	—:~:~:~:~	—	Mond stört	○	21:42	05:37	03:41	1h 02m	04:43	48m	05:32	39m	06:12	15h 09m	21:21	40m	22:01	48m	22:50	1h 03m	23:53	8h 48m	3h 44m				Mo, 12. Mai
Di, 13. Mai	MESZ	—:~:~:~:~	—	Mond stört		22:52	05:59	03:38	1h 03m	04:41	48m	05:30	40m	06:10	15h 12m	21:23	40m	22:03	49m	22:52	1h 04m	23:56	8h 46m	3h 38m				Di, 13. Mai
Mi, 14. Mai	MESZ	—:~:~:~:~	—	Mond stört		23:57	06:30	03:35	1h 04m	04:39	49m	05:28	40m	06:09	15h 15m	21:24	40m	22:04	49m	22:54	1h 05m	23:59	8h 43m	3h 32m				Mi, 14. Mai
Do, 15. Mai	MESZ	00:02* – 00:55*	52m	AN ₊ bis M ₇		—:~	07:10	03:32	1h 05m	04:37	49m	05:27	40m	06:07	15h 17m	21:25	40m	22:06	49m	22:56	1h 06m	00:02*	8h 40m	3h 26m				Do, 15. Mai
Fr, 16. Mai	MESZ	00:05* – 01:40*	1h 34m	AN ₊ bis M ₇		00:55	08:04	03:29	1h 06m	04:36	49m	05:25	40m	06:06	15h 20m	21:27	40m	22:08	50m	22:58	1h 07m	00:05*	8h 38m	3h 20m				Fr, 16. Mai
Sa, 17. Mai	MESZ	00:09* – 02:16*	2h 06m	AN ₊ bis M ₇		01:40	09:09	03:26	1h 07m	04:34	50m	05:24	40m	06:05	15h 23m	21:28	41m	22:09	50m	23:00	1h 08m	00:09*	8h 35m	3h 14m				Sa, 17. Mai
So, 18. Mai	MESZ	00:12* – 02:42*	2h 30m	AN ₊ bis M ₇		02:16	10:22	03:23	1h 08m	04:32	50m	05:22	41m	06:04	15h 25m	21:29	41m	22:11	51m	23:02	1h 10m	00:12*	8h 33m	3h 07m				So, 18. Mai
Mo, 19. Mai	MESZ	00:15* – 03:03*	2h 48m	AN ₊ bis M ₇		02:42	11:39	03:20	1h 10m	04:30	51m	05:21	41m	06:02	15h 28m	21:30	41m	22:12	51m	23:03	1h 11m	00:15*	8h 30m	3h 01m				Mo, 19. Mai
Di, 20. Mai	MESZ	00:18* – 03:14*	2h 55m	AN ₊ bis AN ₋	◐	03:03	12:58	03:17	1h 11m	04:28	51m	05:20	41m	06:01	15h 30m	21:32	41m	22:13	51m	23:05	1h 13m	00:18*	8h 28m	2h 55m				Di, 20. Mai
Mi, 21. Mai	MESZ	00:22* – 03:10*	2h 48m	AN ₊ bis AN ₋		03:20	14:18	03:14	1h 12m	04:27	51m	05:18	41m	06:00	15h 32m	21:33	41m	22:15	52m	23:07	1h 14m	00:22*	8h 26m	2h 48m				Mi, 21. Mai
Do, 22. Mai	MESZ	00:25* – 03:07*	2h 42m	AN ₊ bis AN ₋		03:36	15:39	03:10	1h 14m	04:25	52m	05:17	41m	05:59	15h 35m	21:34	42m	22:16	52m	23:09	1h 16m	00:25*	8h 23m	2h 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	Zeitzone	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	02:00*–02:36*	36m	M _\ bis AN _\		10:03	01:35	02:40	1h 31m	04:11	55m	05:07	43m	05:51	15h 53m	21:44	43m	22:28	56m	23:24	1h 33m	00:58*	8h 06m	1h 38m				Sa, 31. Mai
So, 1. Jun	MESZ	02:19*–02:33*	13m	M _\ bis AN _\		11:22	02:00	02:36	1h 33m	04:10	56m	05:06	43m	05:50	15h 54m	21:45	43m	22:29	56m	23:26	1h 36m	01:02*	8h 04m	1h 30m				So, 1. Jun
Mo, 2. Jun	MESZ	—:—:—:—:—	–	Mond stört		12:37	02:19	02:33	1h 36m	04:09	56m	05:06	43m	05:50	15h 56m	21:46	44m	22:30	56m	23:27	1h 39m	01:07*	8h 02m	1h 21m				Mo, 2. Jun
Di, 3. Jun	MESZ	—:—:—:—:—	–	Mond stört	☾	13:48	02:34	02:29	1h 39m	04:08	56m	05:05	44m	05:49	15h 58m	21:47	44m	22:31	57m	23:29	1h 42m	01:11*	8h 01m	1h 13m				Di, 3. Jun
Mi, 4. Jun	MESZ	—:—:~:~:~	–	Mond stört		14:56	02:47	02:24	1h 42m	04:07	57m	05:04	44m	05:48	15h 59m	21:48	44m	22:32	57m	23:30	1h 46m	01:16*	7h 59m	1h 03m				Mi, 4. Jun
Do, 5. Jun	MESZ	—:~:~:~:~	–	Mond stört		16:04	02:59	02:20	1h 46m	04:06	57m	05:04	44m	05:48	16h 00m	21:49	44m	22:33	57m	23:31	1h 50m	01:21*	7h 58m	53m				Do, 5. Jun
Fr, 6. Jun	MESZ	—:~:~:~:~	–	Mond stört		17:11	03:12	02:15	1h 50m	04:05	57m	05:03	44m	05:47	16h 02m	21:50	44m	22:34	58m	23:33	1h 55m	01:28*	7h 57m	41m				Fr, 6. Jun
Sa, 7. Jun	MESZ	—:~:~:~:~	–	Mond stört		18:20	03:26	02:09	1h 55m	04:04	58m	05:02	44m	05:47	16h 03m	21:50	44m	22:35	58m	23:34	2h 02m	01:36*	7h 56m	25m				Sa, 7. Jun
So, 8. Jun	MESZ			Astr. MD		19:30	03:42	02:01	2h 02m	04:03	58m	05:02	44m	05:47	16h 04m	21:51	44m	22:36	58m	23:35		—:~:~:~:~	7h 55m		—:~:~:~:~	–	Mond stört	So, 8. Jun
Mo, 9. Jun	MESZ			Astr. MD		20:41	04:03	—:~:~:~:~		04:03	58m	05:01	44m	05:46	16h 05m	21:52	45m	22:37	59m	23:36		—:~:~:~:~	7h 54m		—:~:~:~:~	–	Mond stört	Mo, 9. Jun
Di, 10. Jun	MESZ			Astr. MD		21:49	04:31	—:~:~:~:~		04:02	59m	05:01	45m	05:46	16h 06m	21:52	45m	22:38	59m	23:37		—:~:~:~:~	7h 53m		—:~:~:~:~	–	Mond stört	Di, 10. Jun
Mi, 11. Jun	MESZ			Astr. MD	☾	22:49	05:09	—:~:~:~:~		04:01	59m	05:01	45m	05:46	16h 07m	21:53	45m	22:38	59m	23:38		—:~:~:~:~	7h 52m		—:~:~:~:~	–	Mond stört	Mi, 11. Jun
Do, 12. Jun	MESZ			Astr. MD		23:39	05:58	—:~:~:~:~		04:01	59m	05:00	45m	05:46	16h 08m	21:54	45m	22:39	59m	23:39		—:~:~:~:~	7h 51m		23:39–23:39	0m	ND ₊ bis M ₇	Do, 12. Jun
Fr, 13. Jun	MESZ			Astr. MD		—:~:~:~:~	07:01	—:~:~:~:~		04:00	59m	05:00	45m	05:45	16h 08m	21:54	45m	22:40	59m	23:40		—:~:~:~:~	7h 50m		23:40–00:17*	37m	ND ₊ bis M ₇	Fr, 13. Jun
Sa, 14. Jun	MESZ			Astr. MD		00:17	08:13	—:~:~:~:~		04:00	59m	05:00	45m	05:45	16h 09m	21:55	45m	22:40	1h 00m	23:40		—:~:~:~:~	7h 50m		23:40–00:46*	1h 05m	ND ₊ bis M ₇	Sa, 14. Jun
So, 15. Jun	MESZ			Astr. MD		00:46	09:29	—:~:~:~:~		04:00	1h 00m	05:00	45m	05:45	16h 10m	21:55	45m	22:41	1h 00m	23:41		—:~:~:~:~	7h 49m		23:41–01:08*	1h 27m	ND ₊ bis M ₇	So, 15. Jun
Mo, 16. Jun	MESZ			Astr. MD		01:08	10:48	—:~:~:~:~		03:59	1h 00m	05:00	45m	05:45	16h 10m	21:56	45m	22:41	1h 00m	23:41		—:~:~:~:~	7h 49m		23:41–01:26*	1h 44m	ND ₊ bis M ₇	Mo, 16. Jun
Di, 17. Jun	MESZ			Astr. MD		01:26	12:06	—:~:~:~:~		03:59	1h 00m	05:00	45m	05:45	16h 10m	21:56	45m	22:42	1h 00m	23:42		—:~:~:~:~	7h 49m		23:42–01:42*	2h 00m	ND ₊ bis M ₇	Di, 17. Jun
Mi, 18. Jun	MESZ			Astr. MD	☾	01:42	13:24	—:~:~:~:~		03:59	1h 00m	05:00	45m	05:45	16h 11m	21:56	45m	22:42	1h 00m	23:42		—:~:~:~:~	7h 48m		23:42–01:57*	2h 14m	ND ₊ bis M ₇	Mi, 18. Jun
Do, 19. Jun	MESZ			Astr. MD		01:57	14:44	—:~:~:~:~		03:59	1h 00m	05:00	45m	05:45	16h 11m	21:57	45m	22:42	1h 00m	23:43		—:~:~:~:~	7h 48m		23:43–02:12*	2h 29m	ND ₊ bis M ₇	Do, 19. Jun
Fr, 20. Jun	MESZ			Astr. MD		02:12	16:07	—:~:~:~:~		03:59	1h 00m	05:00	45m	05:45	16h 11m	21:57	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 48m		23:43–02:30*	2h 47m	ND ₊ bis M ₇	Fr, 20. Jun
Sa, 21. Jun	MESZ			Astr. MD		02:30	17:33	—:~:~:~:~		04:00	1h 00m	05:00	45m	05:46	16h 11m	21:57	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 48m		23:43–02:52*	3h 08m	ND ₊ bis M ₇	Sa, 21. Jun
So, 22. Jun	MESZ			Astr. MD		02:52	19:02	—:~:~:~:~		04:00	1h 00m	05:00	45m	05:46	16h 11m	21:57	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 48m		23:43–03:22*	3h 38m	ND ₊ bis M ₇	So, 22. Jun
Mo, 23. Jun	MESZ			Astr. MD		03:22	20:29	—:~:~:~:~		04:00	1h 00m	05:01	45m	05:46	16h 11m	21:57	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 49m		23:43–04:01*	4h 17m	ND ₊ bis ND _\	Mo, 23. Jun
Di, 24. Jun	MESZ			Astr. MD		04:04	21:46	—:~:~:~:~		04:01	1h 00m	05:01	45m	05:47	16h 10m	21:58	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 49m		23:43–04:01*	4h 17m	ND ₊ bis ND _\	Di, 24. Jun
Mi, 25. Jun	MESZ			Astr. MD	☾	05:02	22:46	—:~:~:~:~		04:01	1h 00m	05:01	45m	05:47	16h 10m	21:58	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 49m		23:43–04:02*	4h 18m	ND ₊ bis ND _\	Mi, 25. Jun
Do, 26. Jun	MESZ			Astr. MD		06:15	23:29	—:~:~:~:~		04:02	1h 00m	05:02	45m	05:47	16h 10m	21:58	45m	22:43	1h 00m	23:43		—:~:~:~:~	7h 50m		23:43–04:02*	4h 19m	ND ₊ bis ND _\	Do, 26. Jun
Fr, 27. Jun	MESZ			Astr. MD		07:36	—:~:~:~:~	—:~:~:~:~		04:02	1h 00m	05:02	45m	05:48	16h 09m	21:57	45m	22:43	59m	23:43		—:~:~:~:~	7h 50m		00:00*–04:03*	4h 03m	M _\ bis ND _\	Fr, 27. Jun
Sa, 28. Jun	MESZ			Astr. MD		08:59	00:00	—:~:~:~:~		04:03	59m	05:03	45m	05:48	16h 09m	21:57	45m	22:43	59m	23:42		—:~:~:~:~	7h 51m		00:21*–04:04*	3h 42m	M _\ bis ND _\	Sa, 28. Jun
So, 29. Jun	MESZ			Astr. MD		10:17	00:21	—:~:~:~:~		04:04	59m	05:03	45m	05:49	16h 08m	21:57	45m	22:42	59m	23:42		—:~:~:~:~	7h 52m		00:38*–04:05*	3h 26m	M _\ bis ND _\	So, 29. Jun
Mo, 30. Jun	MESZ			Astr. MD		11:32	00:38	—:~:~:~:~		04:05	59m	05:04	45m	05:49	16h 07m	21:57	45m	22:42	59m	23:41		—:~:~:~:~	7h 53m		00:52*–04:06*	3h 13m	M _\ bis ND _\	Mo, 30. Jun
Di, 1. Jul	MESZ			Astr. MD		12:42	00:52	—:~:~:~:~		04:06	59m	05:05	45m	05:50	16h 06m	21:57	45m	22:42	59m	23:41		—:~:~:~:~	7h 53m		01:05*–04:06*	3h 01m	M _\ bis ND _\	Di, 1. Jul
Mi, 2. Jul	MESZ			Astr. MD	☾	13:51	01:05	—:~:~:~:~		04:06	59m	05:06	45m	05:51	16h 05m	21:56	44m	22:41	58m	23:40		—:~:~:~:~	7h 54m		01:18*–04:08*	2h 50m	M _\ bis ND _\	Mi, 2. Jul
Do, 3. Jul	MESZ	01:44*–02:04*	19m	AN ₊ bis AN _\		14:59	01:18	—:~:~:~:~		04:08	58m	05:06	44m	05:51	16h 04m	21:56	44m	22:41	58m	23:40	2h 04m	01:44*	7h 55m	19m				Do, 3. Jul
Fr, 4. Jul	MESZ	01:47*–02:13*	26m	M _\ bis AN _\		16:07	01:31	02:04	2h 04m	04:09	58m	05:07	44m	05:52	16h 03m	21:56	44m	22:40	58m	23:39	1h 56m	01:35*	7h 57m	37m				Fr, 4. Jul
Sa, 5. Jul	MESZ	02:06*–02:20*	13m	M _\ bis AN _\		17:17	01:47	02:13	1h 56m	04:10	58m	05:08	44m	05:53	16h 02m	21:55	44m	22:40	57m	23:38	1h 51m	01:29*	7h 58m	50m				Sa, 5. Jul
So, 6. Jul	MESZ	—:~:~:~:~	–	Mond stört		18:28	02:06	02:20	1h 51m	04:11	57m	05:09	44m	05:54	16h 01m	21:55	44m	22:39	57m	23:37	1h 47m	01:24*	7h 59m	1h 01m				So, 6. Jul
Mo, 7. Jul	MESZ	—:~:~:~:~	–	Mond stört		19:37	02:31	02:25	1h 47m	04:12	57m	05:10	44m	05:54	15h 59m	21:54	44m	22:39	57m	23:36	1h 43m	01:19*	8h 00m	1h 10m				Mo, 7. Jul
Di, 8. Jul	MESZ	—:~:~:~:~	–	Mond stört		20:41	03:05	02:30	1h 43m	04:14	57m	05:11	44m	05:55	15h 58m	21:54	44m	22:38	57m	23:35	1h 40m	01:15*	8h 02m	1h 19m				Di, 8. Jul
Mi, 9. Jul	MESZ	—:~:~:~:~	–	Mond stört		21:35	03:51	02:35	1h 40m	04:15	57m	05:12	44m	05:56	15h 56m	21:53	44m	22:37	56m	23:34	1h 37m	01:11*	8h 03m	1h 28m				Mi, 9. Jul
Do, 10. Jul	MESZ	—:~:~:~:~	–	Mond stört	☾	22:17	04:49	02:39	1h 37m	04:16	56m	05:13	44m	05:57	15h 55m	21:52	43m	22:36	56m	23:33	1h 34m	01:07*	8h 05m	1h 36m				Do, 10. Jul
Fr, 11. Jul	MESZ	—:~:~:~:~	–	Mond stört		22:49	06:00	02:43	1h 34m	04:18	56m	05:14	43m	05:58	15h 53m	21:52	43m	22:35	55m	23:31	1h 32m	01:03*	8h 07m	1h 43m				Fr, 11. Jul
Sa, 12. Jul	MESZ	—:~:~:~:~	–	Mond stört		23:13	07:17	02:4																				

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

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

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

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