

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Pfäffikon ZH 47.3669° N 8.7822° E

Berechnung: pyEphem
Textsatz: L^AT_EX

Atmosphären-Einstellungen in pyEphem

Standort.pressure = 1010.0
Standort.horizon = '0:00:00.0'

Alle Zeitangaben beziehen sich auf den in der jeweiligen Zeile angegeben Kalendertag. Liegt ein Ereignis bereits nach Mitternacht, also schon am Folgetag, ist die Zeitangabe mit einem * gekennzeichnet, z.B.: 00:20*.

Spalte 1 Kalendertag.

Spalte 2 Bei »MESZ« sind alle Zeitangaben in dieser Zeile in Mitteleuropäischer Sommerzeit, ansonsten standardmäßig in MEZ.

Spalte 3 Die für Deep-Sky-Beobachtungen nutzbare Zeitspanne: Es ist astronomisch dunkel (Sonne steht tiefer als -18°) und kein Mond stört.

Spalte 4 Dauer der für Deep-Sky-Beobachtungen nutzbaren Zeitspanne.

Spalte 5 Ereignisse, die die für Deep-Sky-Beobachtungen nutzbare Zeitspanne begrenzen: AN₊ (Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung), M_v (Monduntergang), AN₋ (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M_l

(Mondaufgang), Astr. MD (Astronomische Mitternachtsdämmerung), Naut. MD (Nautische Mitternachtsdämmerung).

Spalte 6 Mondphase.

Spalte 7 Mondaufgang.

Spalte 8 Monduntergang.

Spalte 9 Beginn der astr. Morgendämmerung (Sonnenhöhe = -18°).

Spalte 10 Dauer der astr. Morgendämmerung.

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

Spalte 12 Dauer der naut. Morgendämmerung.

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

Spalte 14 Dauer der bürg. Morgendämmerung.

Spalte 15 Sonnenaufgang.

Spalte 16 Taglänge.

Spalte 17 Sonnenuntergang.

Spalte 18 Dauer der bürg. Abenddämmerung.

Spalte 19 Ende der bürg. Abenddämmerung (Sonnenhöhe = -6°).

Spalte 20 Dauer der naut. Abenddämmerung.

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

Spalte 22 Dauer der astr. Abenddämmerung.

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

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

Für Beobachter, die zu Zeiten der Mitternachtsdämmerung während der astr. Dämmerung beobachten möchten:

Spalte 26 Nutzbare Zeitspanne: Es ist »nautisch dunkel« (Sonne steht tiefer als -12°) und kein Mond stört.

Spalte 27 Dauer der in Spalte 26 angegebenen Zeitspanne.

Spalte 28 Ereignisse, die die nutzbare Zeitspanne begrenzen: ND₊ (Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung), M_v (Monduntergang), ND₋ (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M_l (Mondaufgang), Naut. MD (Nautische Mitternachtsdämmerung).

Spalte 29 Identisch zu Spalte 1.

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

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

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

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

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

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

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

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