

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Ludwigsburg 48.8975° N 9.1922° E

Berechnung: pyEphem
Textsatz: L^AT_EX

Atmosphären-Einstellungen in pyEphem

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

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

Spalte 1 Kalendertag.

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

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

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

Spalte 5 Ereignisse, die die für Deep-Sky-Beobachtungen nutzbare Zeitspanne begrenzen: AN₊ (Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung), M_v (Monduntergang), AN₋ (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M₇

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

Spalte 6 Mondphase.

Spalte 7 Mondaufgang.

Spalte 8 Monduntergang.

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

Spalte 10 Dauer der astr. Morgendämmerung.

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

Spalte 12 Dauer der naut. Morgendämmerung.

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

Spalte 14 Dauer der bürg. Morgendämmerung.

Spalte 15 Sonnenaufgang.

Spalte 16 Taglänge.

Spalte 17 Sonnenuntergang.

Spalte 18 Dauer der bürg. Abenddämmerung.

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

Spalte 20 Dauer der naut. Abenddämmerung.

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

Spalte 22 Dauer der astr. Abenddämmerung.

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

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

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

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

Spalte 27 Dauer der in Spalte 26 angegebenen Zeitspanne.

Spalte 28 Ereignisse, die die nutzbare Zeitspanne begrenzen: ND₊ (Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung), M_v (Monduntergang), ND₋ (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M₇ (Mondaufgang), Naut. MD (Nautische Mitternachtsdämmerung).

Spalte 29 Identisch zu Spalte 1.

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

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

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

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

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

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