

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Göppingen 48.7025° N 9.6528° E

Berechnung: pyEphem
Textsatz: L^AT_EX

Atmosphären-Einstellungen in pyEphem

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

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

Spalte 1 Kalendertag.

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

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

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

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

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

Spalte 6 Mondphase.

Spalte 7 Mondaufgang.

Spalte 8 Monduntergang.

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

Spalte 10 Dauer der astr. Morgendämmerung.

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

Spalte 12 Dauer der naut. Morgendämmerung.

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

Spalte 14 Dauer der bürg. Morgendämmerung.

Spalte 15 Sonnenaufgang.

Spalte 16 Taglänge.

Spalte 17 Sonnenuntergang.

Spalte 18 Dauer der bürg. Abenddämmerung.

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

Spalte 20 Dauer der naut. Abenddämmerung.

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

Spalte 22 Dauer der astr. Abenddämmerung.

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

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

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

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

Spalte 27 Dauer der in Spalte 26 angegebenen Zeitspanne.

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

Spalte 29 Identisch zu Spalte 1.

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

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

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

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