

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Homburg 49.3167° N 7.3333° 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		18:41 – 06:27*	11h 46m	AN ₊ bis AN ₋		10:04	18:10	06:27	38m	07:06	39m	07:45	39m	08:25	8h 17m	16:43	39m	17:22	39m	18:02	38m	18:41	15h 42m	11h 46m					Mi, 1. Jan
Do, 2. Jan		19:33 – 06:27*	10h 54m	M _\ bis AN ₋		10:31	19:33	06:27	38m	07:06	39m	07:45	39m	08:25	8h 18m	16:44	39m	17:23	39m	18:03	38m	18:42	15h 41m	11h 45m					Do, 2. Jan
Fr, 3. Jan		20:56 – 06:27*	9h 31m	M _\ bis AN ₋		10:51	20:56	06:27	38m	07:06	39m	07:45	39m	08:25	8h 19m	16:45	39m	17:24	39m	18:04	38m	18:43	15h 40m	11h 44m					Fr, 3. Jan
Sa, 4. Jan		22:18 – 06:27*	8h 09m	M _\ bis AN ₋		11:08	22:18	06:27	38m	07:06	39m	07:45	39m	08:25	8h 21m	16:46	39m	17:25	39m	18:05	38m	18:44	15h 38m	11h 43m					Sa, 4. Jan
So, 5. Jan		23:39 – 06:27*	6h 48m	M _\ bis AN ₋		11:23	23:39	06:27	38m	07:06	39m	07:45	39m	08:25	8h 22m	16:47	39m	17:26	39m	18:06	38m	18:45	15h 37m	11h 42m					So, 5. Jan
Mo, 6. Jan		01:00* – 06:27*	5h 26m	M _\ bis AN ₋		11:38	—:—	06:27	38m	07:05	39m	07:45	39m	08:24	8h 23m	16:48	39m	17:28	39m	18:07	38m	18:46	15h 35m	11h 41m					Mo, 6. Jan
Di, 7. Jan		02:24* – 06:27*	4h 02m	M _\ bis AN ₋	☾	11:53	01:00	06:27	38m	07:05	39m	07:45	39m	08:24	8h 25m	16:49	39m	17:29	39m	18:08	38m	18:47	15h 34m	11h 40m					Di, 7. Jan
Mi, 8. Jan		03:50* – 06:26*	2h 36m	M _\ bis AN ₋		12:12	02:24	06:27	38m	07:05	39m	07:44	39m	08:24	8h 27m	16:51	39m	17:30	39m	18:09	38m	18:48	15h 32m	11h 38m					Mi, 8. Jan
Do, 9. Jan		05:15* – 06:26*	1h 10m	M _\ bis AN ₋		12:35	03:50	06:26	38m	07:05	39m	07:44	39m	08:23	8h 28m	16:52	39m	17:31	39m	18:10	38m	18:49	15h 30m	11h 37m					Do, 9. Jan
Fr, 10. Jan		—:—:—:—	–	Mond stört		13:07	05:15	06:26	38m	07:04	39m	07:44	38m	08:23	8h 30m	16:53	38m	17:32	39m	18:11	38m	18:50	15h 28m	11h 36m					Fr, 10. Jan
Sa, 11. Jan		—:—:—:—	–	Mond stört		13:51	06:36	06:26	38m	07:04	39m	07:43	38m	08:22	8h 32m	16:55	38m	17:33	39m	18:13	38m	18:51	15h 26m	11h 34m					Sa, 11. Jan
So, 12. Jan		—:—:~:~	–	Mond stört		14:51	07:44	06:25	38m	07:04	39m	07:43	38m	08:22	8h 34m	16:56	38m	17:35	39m	18:14	38m	18:52	15h 24m	11h 33m					So, 12. Jan
Mo, 13. Jan		—:~:~:~:~	–	Mond stört	☾	16:03	08:35	06:25	38m	07:03	39m	07:42	38m	08:21	8h 36m	16:57	38m	17:36	39m	18:15	38m	18:53	15h 22m	11h 31m					Mo, 13. Jan
Di, 14. Jan		—:~:~:~:~	–	Mond stört		17:22	09:12	06:25	38m	07:03	38m	07:42	38m	08:20	8h 38m	16:59	38m	17:37	38m	18:16	38m	18:54	15h 20m	11h 29m					Di, 14. Jan
Mi, 15. Jan		—:~:~:~:~	–	Mond stört		18:41	09:38	06:24	38m	07:02	38m	07:41	38m	08:20	8h 40m	17:00	38m	17:39	38m	18:17	38m	18:56	15h 18m	11h 28m					Mi, 15. Jan
Do, 16. Jan		18:57 – 19:57	1h 00m	AN ₊ bis M ₇		19:57	09:57	06:24	38m	07:02	38m	07:40	38m	08:19	8h 42m	17:02	38m	17:40	38m	18:19	38m	18:57	15h 16m	11h 26m					Do, 16. Jan
Fr, 17. Jan		18:58 – 21:09	2h 11m	AN ₊ bis M ₇		21:09	10:13	06:23	37m	07:01	38m	07:40	38m	08:18	8h 45m	17:03	38m	17:41	38m	18:20	38m	18:58	15h 14m	11h 24m					Fr, 17. Jan
Sa, 18. Jan		18:59 – 22:19	3h 19m	AN ₊ bis M ₇		22:19	10:25	06:22	37m	07:00	38m	07:39	38m	08:17	8h 47m	17:05	38m	17:43	38m	18:21	37m	18:59	15h 11m	11h 22m					Sa, 18. Jan
So, 19. Jan		19:01 – 23:26	4h 25m	AN ₊ bis M ₇		23:26	10:37	06:22	37m	07:00	38m	07:38	37m	08:16	8h 49m	17:06	37m	17:44	38m	18:23	37m	19:01	15h 09m	11h 20m					So, 19. Jan
Mo, 20. Jan		19:02 – 00:34*	5h 32m	AN ₊ bis M ₇		—:—	10:49	06:21	37m	06:59	38m	07:37	37m	08:15	8h 52m	17:08	37m	17:45	38m	18:24	37m	19:02	15h 06m	11h 18m					Mo, 20. Jan
Di, 21. Jan		19:03 – 01:43*	6h 40m	AN ₊ bis M ₇	☾	00:34	11:02	06:20	37m	06:58	38m	07:37	37m	08:14	8h 54m	17:09	37m	17:47	38m	18:25	37m	19:03	15h 04m	11h 16m					Di, 21. Jan
Mi, 22. Jan		19:04 – 02:55*	7h 50m	AN ₊ bis M ₇		01:43	11:17	06:20	37m	06:57	38m	07:36	37m	08:13	8h 57m	17:11	37m	17:48	38m	18:27	37m	19:04	15h 01m	11h 14m					Mi, 22. Jan
Do, 23. Jan		19:06 – 04:07*	9h 01m	AN ₊ bis M ₇		02:55	11:36	06:19	37m	06:57	38m	07:35	37m	08:12	9h 00m	17:12	37m	17:50	38m	18:28	37m	19:06	14h 58m	11h 12m					Do, 23. Jan
Fr, 24. Jan		19:07 – 05:18*	10h 11m	AN ₊ bis M ₇		04:07	12:01	06:18	37m	06:56	38m	07:34	37m	08:11	9h 02m	17:14	37m	17:51	38m	18:29	37m	19:07	14h 56m	11h 10m					Fr, 24. Jan
Sa, 25. Jan		19:08 – 06:16*	11h 07m	AN ₊ bis AN ₋		05:18	12:36	06:17	37m	06:55	38m	07:33	37m	08:10	9h 05m	17:16	37m	17:53	38m	18:31	37m	19:08	14h 53m	11h 07m					Sa, 25. Jan
So, 26. Jan		19:10 – 06:15*	11h 05m	AN ₊ bis AN ₋		06:24	13:25	06:16	37m	06:54	37m	07:32	37m	08:09	9h 08m	17:17	37m	17:54	37m	18:32	37m	19:10	14h 50m	11h 05m					So, 26. Jan
Mo, 27. Jan		19:11 – 06:14*	11h 03m	AN ₊ bis AN ₋		07:19	14:29	06:15	37m	06:53	37m	07:31	36m	08:08	9h 11m	17:19	36m	17:56	37m	18:34	37m	19:11	14h 47m	11h 03m					Mo, 27. Jan
Di, 28. Jan		19:13 – 06:13*	11h 00m	AN ₊ bis AN ₋		08:01	15:46	06:14	37m	06:52	37m	07:30	36m	08:06	9h 14m	17:20	36m	17:57	37m	18:35	37m	19:13	14h 44m	11h 00m					Di, 28. Jan
Mi, 29. Jan		19:14 – 06:12*	10h 58m	AN ₊ bis AN ₋	☾	08:32	17:10	06:13	37m	06:51	37m	07:28	36m	08:05	9h 17m	17:22	36m	17:59	37m	18:37	37m	19:14	14h 41m	10h 58m					Mi, 29. Jan
Do, 30. Jan		19:15 – 06:11*	10h 55m	AN ₊ bis AN ₋		08:55	18:36	06:12	37m	06:50	37m	07:27	36m	08:04	9h 20m	17:24	36m	18:00	37m	18:38	37m	19:15	14h 38m	10h 55m					Do, 30. Jan
Fr, 31. Jan		20:01 – 06:10*	10h 09m	M _\ bis AN ₋		09:14	20:01	06:11	37m	06:48	37m	07:26	36m	08:02	9h 23m	17:25	36m	18:02	37m	18:39	37m	19:17	14h 35m	10h 53m					Fr, 31. Jan
Sa, 1. Feb		21:24 – 06:09*	8h 44m	M _\ bis AN ₋		09:30	21:24	06:10	37m	06:47	37m	07:25	36m	08:01	9h 26m	17:27	36m	18:03	37m	18:41	37m	19:18	14h 32m	10h 50m					Sa, 1. Feb
So, 2. Feb		22:48 – 06:08*	7h 19m	M _\ bis AN ₋		09:44	22:48	06:09	37m	06:46	37m	07:23	36m	08:00	9h 29m	17:29	36m	18:05	37m	18:42	37m	19:20	14h 29m	10h 47m					So, 2. Feb
Mo, 3. Feb		00:12* – 06:06*	5h 54m	M _\ bis AN ₋		10:00	—:—	06:08	37m	06:45	37m	07:22	36m	07:58	9h 32m	17:30	36m	18:07	37m	18:44	37m	19:21	14h 26m	10h 45m					Mo, 3. Feb
Di, 4. Feb		01:38* – 06:05*	4h 27m	M _\ bis AN ₋		10:17	00:12	06:06	37m	06:43	37m	07:21	36m	07:57	9h 35m	17:32	36m	18:08	37m	18:45	37m	19:23	14h 23m	10h 42m					Di, 4. Feb
Mi, 5. Feb		03:03* – 06:04*	3h 00m	M _\ bis AN ₋	☾	10:39	01:38	06:05	37m	06:42	37m	07:19	35m	07:55	9h 38m	17:34	35m	18:10	37m	18:47	37m	19:24	14h 19m	10h 39m					Mi, 5. Feb
Do, 6. Feb		04:25* – 06:02*	1h 37m	M _\ bis AN ₋		11:07	03:03	06:04	37m	06:41	37m	07:18	35m	07:54	9h 41m	17:35	35m	18:11	37m	18:48	37m	19:25	14h 16m	10h 36m					Do, 6. Feb
Fr, 7. Feb		05:36* – 06:01*	25m	M _\ bis AN ₋		11:46	04:25	06:02	36m	06:39	36m	07:16	35m	07:52	9h 45m	17:37	35m	18:13	37m	18:50	37m	19:27	14h 13m	10h 34m					Fr, 7. Feb
Sa, 8. Feb		—:~:~:~:~	–	Mond stört		12:40	05:36	06:01	36m	06:38	36m	07:15	35m	07:50	9h 48m	17:39	35m	18:14	36m	18:51	37m	19:28	14h 10m	10h 31m					Sa, 8. Feb
So, 9. Feb		—:~:~:~:~	–	Mond stört		13:47	06:32	06:00	36m	06:37	36m	07:13	35m	07:49	9h 51m	17:41	35m	18:16	36m	18:53	36m	19:30	14h 06m	10h 28m					So, 9. Feb
Mo, 10. Feb		—:~:~:~:~	–	Mond stört		15:03	07:12	05:58	36m	06:35	36m	07:12	35m	07:47	9h 54m	17:42	35m	18:18	36m	18:54	36m	19:31	14h 03m	10h 25m					Mo, 10. Feb
Di, 11. Feb		—:~:~:~:~	–	Mond stört		16:21	07:41	05:57	36m	06:34	36m	07:10	35m	07:46	9h 58m	17:44	35m	18:19	36m	18:56	36m								

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

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

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

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

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

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

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