

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Regen (Stadt) 48.9700° N 13.1264° 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	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	23:53–01:12*	1h 19m	AN ₊ bis M ₇		00:37	17:25	02:31	1h 17m	03:49	53m	04:42	42m	05:24	15h 37m	21:02	42m	21:44	52m	22:37	1h 16m	23:53	8h 24m	2h 41m					So, 20. Jul
Mo, 21. Jul	MESZ	23:49–02:01*	2h 11m	AN ₊ bis M ₇		01:12	18:45	02:35	1h 16m	03:51	52m	04:43	42m	05:26	15h 34m	21:00	42m	21:42	52m	22:35	1h 14m	23:49	8h 26m	2h 48m					Mo, 21. Jul
Di, 22. Jul	MESZ	23:46–02:41*	2h 55m	AN ₊ bis AN ₋		02:01	19:51	02:38	1h 14m	03:53	52m	04:45	42m	05:27	15h 32m	20:59	41m	21:41	51m	22:33	1h 13m	23:46	8h 28m	2h 55m					Di, 22. Jul
Mi, 23. Jul	MESZ	23:43–02:45*	3h 01m	AN ₊ bis AN ₋		03:07	20:41	02:41	1h 13m	03:54	51m	04:46	41m	05:28	15h 30m	20:58	41m	21:40	51m	22:31	1h 11m	23:43	8h 31m	3h 01m					Mi, 23. Jul
Do, 24. Jul	MESZ	23:40–02:48*	3h 07m	AN ₊ bis AN ₋	●	04:24	21:16	02:45	1h 11m	03:56	51m	04:48	41m	05:29	15h 27m	20:57	41m	21:38	51m	22:29	1h 10m	23:40	8h 33m	3h 07m					Do, 24. Jul
Fr, 25. Jul	MESZ	23:37–02:51*	3h 14m	AN ₊ bis AN ₋		05:47	21:41	02:48	1h 10m	03:58	51m	04:49	41m	05:31	15h 25m	20:56	41m	21:37	50m	22:28	1h 09m	23:37	8h 36m	3h 14m					Fr, 25. Jul
Sa, 26. Jul	MESZ	23:33–02:54*	3h 20m	AN ₊ bis AN ₋		07:08	21:59	02:51	1h 09m	04:00	50m	04:51	41m	05:32	15h 22m	20:54	41m	21:35	50m	22:26	1h 07m	23:33	8h 38m	3h 20m					Sa, 26. Jul
So, 27. Jul	MESZ	23:30–02:57*	3h 26m	AN ₊ bis AN ₋		08:26	22:14	02:54	1h 07m	04:02	50m	04:52	41m	05:33	15h 19m	20:53	40m	21:34	49m	22:24	1h 06m	23:30	8h 41m	3h 26m					So, 27. Jul
Mo, 28. Jul	MESZ	23:27–03:00*	3h 33m	AN ₊ bis AN ₋		09:39	22:28	02:57	1h 06m	04:04	49m	04:54	40m	05:34	15h 17m	20:52	40m	21:32	49m	22:22	1h 05m	23:27	8h 44m	3h 33m					Mo, 28. Jul
Di, 29. Jul	MESZ	23:24–03:03*	3h 39m	AN ₊ bis AN ₋		10:50	22:40	03:00	1h 05m	04:06	49m	04:55	40m	05:36	15h 14m	20:50	40m	21:31	49m	22:20	1h 04m	23:24	8h 46m	3h 39m					Di, 29. Jul
Mi, 30. Jul	MESZ	23:21–03:06*	3h 45m	AN ₊ bis AN ₋		11:59	22:53	03:03	1h 04m	04:08	49m	04:57	40m	05:37	15h 11m	20:49	40m	21:29	48m	22:18	1h 03m	23:21	8h 49m	3h 45m					Mi, 30. Jul
Do, 31. Jul	MESZ	23:18–03:09*	3h 51m	AN ₊ bis AN ₋		13:08	23:07	03:06	1h 03m	04:10	48m	04:58	40m	05:38	15h 09m	20:48	39m	21:27	48m	22:16	1h 02m	23:18	8h 52m	3h 51m					Do, 31. Jul
Fr, 1. Aug	MESZ	23:25–03:12*	3h 47m	M _\ bis AN ₋	☾	14:18	23:25	03:09	1h 02m	04:11	48m	05:00	40m	05:40	15h 06m	20:46	39m	21:26	47m	22:14	1h 01m	23:15	8h 55m	3h 57m					Fr, 1. Aug
Sa, 2. Aug	MESZ	23:47–03:15*	3h 28m	M _\ bis AN ₋		15:29	23:47	03:12	1h 01m	04:13	47m	05:01	39m	05:41	15h 03m	20:45	39m	21:24	47m	22:12	1h 00m	23:12	8h 57m	4h 03m					Sa, 2. Aug
So, 3. Aug	MESZ	00:16*–03:18*	3h 01m	M _\ bis AN ₋		16:39	—:—	03:15	1h 00m	04:15	47m	05:03	39m	05:42	15h 00m	20:43	39m	21:22	47m	22:10	59m	23:09	9h 00m	4h 08m					So, 3. Aug
Mo, 4. Aug	MESZ	00:57*–03:21*	2h 24m	M _\ bis AN ₋		17:45	00:16	03:18	59m	04:17	47m	05:04	39m	05:44	14h 57m	20:41	39m	21:21	46m	22:07	58m	23:06	9h 03m	4h 14m					Mo, 4. Aug
Di, 5. Aug	MESZ	01:50*–03:23*	1h 33m	M _\ bis AN ₋		18:43	00:57	03:21	58m	04:19	46m	05:06	39m	05:45	14h 54m	20:40	39m	21:19	46m	22:05	57m	23:03	9h 06m	4h 20m					Di, 5. Aug
Mi, 6. Aug	MESZ	02:56*–03:26*	30m	M _\ bis AN ₋		19:31	01:50	03:23	57m	04:21	46m	05:08	39m	05:47	14h 51m	20:38	38m	21:17	46m	22:03	56m	23:00	9h 09m	4h 26m					Mi, 6. Aug
Do, 7. Aug	MESZ	—:—:—:—	–	Mond stört		20:07	02:56	03:26	56m	04:23	46m	05:09	38m	05:48	14h 48m	20:37	38m	21:15	45m	22:01	56m	22:57	9h 12m	4h 31m					Do, 7. Aug
Fr, 8. Aug	MESZ	—:—:—:—	–	Mond stört		20:34	04:12	03:29	56m	04:25	45m	05:11	38m	05:49	14h 45m	20:35	38m	21:13	45m	21:59	55m	22:54	9h 15m	4h 37m					Fr, 8. Aug
Sa, 9. Aug	MESZ	—:—:—:—	–	Mond stört	○	20:55	05:32	03:32	55m	04:27	45m	05:12	38m	05:51	14h 42m	20:33	38m	21:12	45m	21:57	54m	22:51	9h 18m	4h 42m					Sa, 9. Aug
So, 10. Aug	MESZ	—:—:~:~	–	Mond stört		21:12	06:53	03:34	54m	04:29	45m	05:14	38m	05:52	14h 39m	20:32	38m	21:10	44m	21:54	53m	22:48	9h 22m	4h 48m					So, 10. Aug
Mo, 11. Aug	MESZ	—:~:~:~	–	Mond stört		21:28	08:14	03:37	53m	04:31	44m	05:15	38m	05:54	14h 36m	20:30	37m	21:08	44m	21:52	53m	22:45	9h 25m	4h 54m					Mo, 11. Aug
Di, 12. Aug	MESZ	—:~:~:~	–	Mond stört		21:43	09:35	03:39	53m	04:33	44m	05:17	37m	05:55	14h 33m	20:28	37m	21:06	44m	21:50	52m	22:42	9h 28m	4h 59m					Di, 12. Aug
Mi, 13. Aug	MESZ	—:~:~:~	–	Mond stört		21:58	10:57	03:42	52m	04:35	44m	05:19	37m	05:56	14h 29m	20:26	37m	21:04	43m	21:48	51m	22:40	9h 31m	5h 04m					Mi, 13. Aug
Do, 14. Aug	MESZ	—:~:~:~	–	Mond stört		22:17	12:20	03:44	51m	04:36	43m	05:20	37m	05:58	14h 26m	20:25	37m	21:02	43m	21:45	51m	22:37	9h 34m	5h 10m					Do, 14. Aug
Fr, 15. Aug	MESZ	22:34–22:40	5m	AN ₊ bis M ₇		22:40	13:46	03:47	51m	04:38	43m	05:22	37m	05:59	14h 23m	20:23	37m	21:00	43m	21:43	50m	22:34	9h 37m	5h 15m					Fr, 15. Aug
Sa, 16. Aug	MESZ	22:31–23:11	40m	AN ₊ bis M ₇	☾	23:11	15:12	03:49	50m	04:40	43m	05:23	37m	06:01	14h 20m	20:21	37m	20:58	42m	21:41	50m	22:31	9h 41m	5h 20m					Sa, 16. Aug
So, 17. Aug	MESZ	22:28–23:54	1h 26m	AN ₊ bis M ₇		23:54	16:33	03:52	50m	04:42	42m	05:25	37m	06:02	14h 16m	20:19	36m	20:56	42m	21:39	49m	22:28	9h 44m	5h 26m					So, 17. Aug
Mo, 18. Aug	MESZ	22:25–00:53*	2h 27m	AN ₊ bis M ₇		—:—	17:43	03:54	49m	04:44	42m	05:27	36m	06:03	14h 13m	20:17	36m	20:54	42m	21:36	49m	22:25	9h 47m	5h 31m					Mo, 18. Aug
Di, 19. Aug	MESZ	22:22–02:06*	3h 43m	AN ₊ bis M ₇		00:53	18:37	03:57	49m	04:46	42m	05:28	36m	06:05	14h 10m	20:15	36m	20:52	42m	21:34	48m	22:22	9h 51m	5h 36m					Di, 19. Aug
Mi, 20. Aug	MESZ	22:20–03:26*	5h 06m	AN ₊ bis M ₇		02:06	19:16	03:59	48m	04:48	42m	05:30	36m	06:06	14h 07m	20:13	36m	20:50	41m	21:32	48m	22:20	9h 54m	5h 41m					Mi, 20. Aug
Do, 21. Aug	MESZ	22:17–04:04*	5h 46m	AN ₊ bis AN ₋		03:26	19:44	04:01	48m	04:49	41m	05:31	36m	06:08	14h 03m	20:11	36m	20:48	41m	21:29	47m	22:17	9h 57m	5h 46m					Do, 21. Aug
Fr, 22. Aug	MESZ	22:14–04:06*	5h 51m	AN ₊ bis AN ₋		04:47	20:04	04:04	47m	04:51	41m	05:33	36m	06:09	14h 00m	20:10	36m	20:46	41m	21:27	47m	22:14	10h 01m	5h 51m					Fr, 22. Aug
Sa, 23. Aug	MESZ	22:11–04:08*	5h 56m	AN ₊ bis AN ₋	●	06:06	20:20	04:06	47m	04:53	41m	05:34	36m	06:11	13h 56m	20:08	35m	20:44	41m	21:25	46m	22:11	10h 04m	5h 56m					Sa, 23. Aug
So, 24. Aug	MESZ	22:09–04:10*	6h 01m	AN ₊ bis AN ₋		07:21	20:34	04:08	46m	04:55	41m	05:36	36m	06:12	13h 53m	20:06	35m	20:41	40m	21:22	46m	22:09	10h 07m	6h 01m					So, 24. Aug
Mo, 25. Aug	MESZ	22:06–04:13*	6h 06m	AN ₊ bis AN ₋		08:32	20:46	04:10	46m	04:57	40m	05:38	35m	06:13	13h 50m	20:04	35m	20:39	40m	21:20	45m	22:06	10h 11m	6h 06m					Mo, 25. Aug
Di, 26. Aug	MESZ	22:03–04:15*	6h 11m	AN ₊ bis AN ₋		09:43	20:59	04:13	45m	04:58	40m	05:39	35m	06:15	13h 46m	20:02	35m	20:37	40m	21:18	45m	22:03	10h 14m	6h 11m					Di, 26. Aug
Mi, 27. Aug	MESZ	22:00–04:17*	6h 16m	AN ₊ bis AN ₋		10:52	21:13	04:15	45m	05:00	40m	05:41	35m	06:16	13h 43m	20:00	35m	20:35	40m	21:15	44m	22:00	10h 18m	6h 16m					Mi, 27. Aug
Do, 28. Aug	MESZ	21:58–04:19*	6h 21m	AN ₊ bis AN ₋		12:02	21:29	04:17	45m	05:02	40m	05:42	35m	06:18	13h 39m	19:58	35m	20:33	39m	21:13	44m	21:58	10h 21m	6h 21m					Do, 28. Aug
Fr, 29. Aug	MESZ	21:55–04:21*	6h 26m	AN ₊ bis AN ₋		13:13	21:49	04:19	44m	05:04	39m	05:44	35m	06:19	13h 36m	19:56	35m	20:31	39m	21:11	44m	21:55	10h 24m	6h 26m					Fr, 29. Aug
Sa, 30. Aug	MESZ	22:15–04:23*	6h																										

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

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

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