

Mond- und Dämmerungstabelle 2025

für die visuelle Deep-Sky-Beobachtung

Nordhausen 51.5003° N 10.7914° 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			Astr. MD		00:34	17:50	—:—		03:35	1h 01m	04:36	46m	05:23	15h 58m	21:22	46m	22:08	1h 00m	23:09		—:—	8h 02m		23:09 – 01:06*	1h 57m	ND ₊ bis M ₇	So, 20. Jul
Mo, 21. Jul	MESZ			Astr. MD		01:06	19:13	—:—		03:37	1h 00m	04:38	46m	05:24	15h 56m	21:21	45m	22:07	1h 00m	23:07		—:—	8h 05m		23:07 – 01:53*	2h 46m	ND ₊ bis M ₇	Mo, 21. Jul
Di, 22. Jul	MESZ	01:00* – 01:46*	45m	AN ₊ bis AN ₋		01:53	20:19	—:—		03:40	1h 00m	04:40	45m	05:26	15h 53m	21:19	45m	22:05	59m	23:04	1h 55m	01:00*	8h 07m	45m				Di, 22. Jul
Mi, 23. Jul	MESZ	00:49* – 01:57*	1h 07m	AN ₊ bis AN ₋		02:58	21:06	01:46	1h 55m	03:42	59m	04:41	45m	05:27	15h 51m	21:18	45m	22:03	58m	23:02	1h 47m	00:49*	8h 10m	1h 07m				Mi, 23. Jul
Do, 24. Jul	MESZ	00:41* – 02:05*	1h 24m	AN ₊ bis AN ₋	●	04:19	21:38	01:57	1h 47m	03:44	58m	04:43	45m	05:28	15h 48m	21:17	45m	22:02	58m	23:00	1h 41m	00:41*	8h 13m	1h 24m				Do, 24. Jul
Fr, 25. Jul	MESZ	00:34* – 02:12*	1h 38m	AN ₊ bis AN ₋		05:45	21:59	02:05	1h 41m	03:46	58m	04:45	45m	05:30	15h 45m	21:15	44m	22:00	57m	22:58	1h 36m	00:34*	8h 15m	1h 38m				Fr, 25. Jul
Sa, 26. Jul	MESZ	00:28* – 02:19*	1h 50m	AN ₊ bis AN ₋		07:10	22:15	02:12	1h 36m	03:49	57m	04:46	44m	05:31	15h 42m	21:14	44m	21:58	56m	22:55	1h 32m	00:28*	8h 18m	1h 50m				Sa, 26. Jul
So, 27. Jul	MESZ	00:22* – 02:24*	2h 02m	AN ₊ bis AN ₋		08:31	22:27	02:19	1h 32m	03:51	56m	04:48	44m	05:33	15h 39m	21:12	44m	21:57	56m	22:53	1h 28m	00:22*	8h 21m	2h 02m				So, 27. Jul
Mo, 28. Jul	MESZ	00:16* – 02:30*	2h 13m	AN ₊ bis AN ₋		09:47	22:38	02:24	1h 28m	03:53	56m	04:50	44m	05:34	15h 36m	21:11	44m	21:55	55m	22:51	1h 25m	00:16*	8h 24m	2h 13m				Mo, 28. Jul
Di, 29. Jul	MESZ	00:11* – 02:35*	2h 23m	AN ₊ bis AN ₋		11:01	22:48	02:30	1h 25m	03:56	55m	04:51	44m	05:35	15h 33m	21:09	43m	21:53	55m	22:48	1h 23m	00:11*	8h 27m	2h 23m				Di, 29. Jul
Mi, 30. Jul	MESZ	00:06* – 02:40*	2h 33m	AN ₊ bis AN ₋		12:13	22:58	02:35	1h 23m	03:58	55m	04:53	43m	05:37	15h 30m	21:08	43m	21:51	54m	22:46	1h 20m	00:06*	8h 30m	2h 33m				Mi, 30. Jul
Do, 31. Jul	MESZ	00:02* – 02:44*	2h 42m	AN ₊ bis AN ₋		13:25	23:10	02:40	1h 20m	04:00	54m	04:55	43m	05:38	15h 27m	21:06	43m	21:49	54m	22:43	1h 18m	00:02*	8h 33m	2h 42m				Do, 31. Jul
Fr, 1. Aug	MESZ	23:57 – 02:49*	2h 51m	AN ₊ bis AN ₋	☾	14:37	23:24	02:44	1h 18m	04:03	54m	04:57	43m	05:40	15h 24m	21:04	43m	21:47	53m	22:41	1h 16m	23:57	8h 37m	2h 51m				Fr, 1. Aug
Sa, 2. Aug	MESZ	23:53 – 02:53*	2h 59m	AN ₊ bis AN ₋		15:51	23:43	02:49	1h 16m	04:05	53m	04:58	43m	05:41	15h 21m	21:03	42m	21:46	52m	22:39	1h 14m	23:53	8h 40m	2h 59m				Sa, 2. Aug
So, 3. Aug	MESZ	00:10* – 02:57*	2h 46m	M _\ bis AN ₋		17:04	—:—	02:53	1h 14m	04:07	53m	05:00	42m	05:43	15h 18m	21:01	42m	21:44	52m	22:36	1h 12m	23:49	8h 43m	3h 08m				So, 3. Aug
Mo, 4. Aug	MESZ	00:48* – 03:01*	2h 12m	M _\ bis AN ₋		18:13	00:10	02:57	1h 12m	04:09	52m	05:02	42m	05:45	15h 14m	20:59	42m	21:42	51m	22:34	1h 10m	23:45	8h 46m	3h 16m				Mo, 4. Aug
Di, 5. Aug	MESZ	01:41* – 03:05*	1h 23m	M _\ bis AN ₋		19:12	00:48	03:01	1h 10m	04:12	51m	05:04	42m	05:46	15h 11m	20:58	42m	21:40	51m	22:31	1h 09m	23:40	8h 50m	3h 24m				Di, 5. Aug
Mi, 6. Aug	MESZ	02:49* – 03:08*	19m	M _\ bis AN ₋		19:57	01:41	03:05	1h 09m	04:14	51m	05:05	42m	05:48	15h 08m	20:56	41m	21:38	50m	22:29	1h 07m	23:36	8h 53m	3h 31m				Mi, 6. Aug
Do, 7. Aug	MESZ	—:—:—:—	–	Mond stört		20:30	02:49	03:08	1h 07m	04:16	51m	05:07	41m	05:49	15h 04m	20:54	41m	21:36	50m	22:26	1h 06m	23:33	8h 56m	3h 39m				Do, 7. Aug
Fr, 8. Aug	MESZ	—:—:—:—	–	Mond stört		20:54	04:08	03:12	1h 06m	04:19	50m	05:09	41m	05:51	15h 01m	20:52	41m	21:34	50m	22:24	1h 05m	23:29	9h 00m	3h 46m				Fr, 8. Aug
Sa, 9. Aug	MESZ	—:—:—:—	–	Mond stört	○	21:12	05:32	03:16	1h 05m	04:21	50m	05:11	41m	05:52	14h 58m	20:50	41m	21:31	49m	22:21	1h 03m	23:25	9h 03m	3h 54m				Sa, 9. Aug
So, 10. Aug	MESZ	—:—:—:—	–	Mond stört		21:26	06:57	03:19	1h 03m	04:23	49m	05:13	41m	05:54	14h 54m	20:48	40m	21:29	49m	22:19	1h 02m	23:21	9h 06m	4h 01m				So, 10. Aug
Mo, 11. Aug	MESZ	—:—:~:~:~	–	Mond stört		21:39	08:21	03:22	1h 02m	04:25	49m	05:14	40m	05:55	14h 51m	20:47	40m	21:27	48m	22:16	1h 01m	23:18	9h 10m	4h 08m				Mo, 11. Aug
Di, 12. Aug	MESZ	—:~:~:~:~	–	Mond stört		21:51	09:45	03:26	1h 01m	04:28	48m	05:16	40m	05:57	14h 47m	20:45	40m	21:25	48m	22:13	1h 00m	23:14	9h 13m	4h 15m				Di, 12. Aug
Mi, 13. Aug	MESZ	—:~:~:~:~	–	Mond stört		22:03	11:10	03:29	1h 00m	04:30	48m	05:18	40m	05:59	14h 44m	20:43	40m	21:23	47m	22:11	59m	23:10	9h 17m	4h 21m				Mi, 13. Aug
Do, 14. Aug	MESZ	—:~:~:~:~	–	Mond stört		22:18	12:37	03:32	59m	04:32	47m	05:20	40m	06:00	14h 40m	20:41	40m	21:21	47m	22:08	58m	23:07	9h 20m	4h 28m				Do, 14. Aug
Fr, 15. Aug	MESZ	—:~:~:~:~	–	Mond stört		22:38	14:06	03:35	58m	04:34	47m	05:22	40m	06:02	14h 37m	20:39	39m	21:19	47m	22:06	57m	23:03	9h 24m	4h 35m				Fr, 15. Aug
Sa, 16. Aug	MESZ	23:00 – 23:06	5m	AN ₊ bis M ₇	☾	23:06	15:36	03:39	57m	04:36	47m	05:23	39m	06:03	14h 33m	20:37	39m	21:16	46m	22:03	56m	23:00	9h 28m	4h 41m				Sa, 16. Aug
So, 17. Aug	MESZ	22:57 – 23:46	49m	AN ₊ bis M ₇		23:46	17:01	03:42	56m	04:38	46m	05:25	39m	06:05	14h 29m	20:35	39m	21:14	46m	22:01	56m	22:57	9h 31m	4h 47m				So, 17. Aug
Mo, 18. Aug	MESZ	22:53 – 00:44*	1h 51m	AN ₊ bis M ₇		—:—	18:12	03:45	56m	04:41	46m	05:27	39m	06:06	14h 26m	20:33	39m	21:12	46m	21:58	55m	22:53	9h 35m	4h 54m				Mo, 18. Aug
Di, 19. Aug	MESZ	22:50 – 01:59*	3h 08m	AN ₊ bis M ₇		00:44	19:04	03:47	55m	04:43	46m	05:29	39m	06:08	14h 22m	20:31	39m	21:10	45m	21:55	54m	22:50	9h 39m	5h 00m				Di, 19. Aug
Mi, 20. Aug	MESZ	22:47 – 03:22*	4h 35m	AN ₊ bis M ₇		01:59	19:40	03:50	54m	04:45	45m	05:31	39m	06:10	14h 18m	20:29	38m	21:07	45m	21:53	53m	22:47	9h 42m	5h 06m				Mi, 20. Aug
Do, 21. Aug	MESZ	22:43 – 03:56*	5h 12m	AN ₊ bis AN ₋		03:22	20:04	03:53	53m	04:47	45m	05:32	38m	06:11	14h 15m	20:26	38m	21:05	44m	21:50	53m	22:43	9h 46m	5h 12m				Do, 21. Aug
Fr, 22. Aug	MESZ	22:40 – 03:59*	5h 18m	AN ₊ bis AN ₋		04:47	20:21	03:56	53m	04:49	45m	05:34	38m	06:13	14h 11m	20:24	38m	21:03	44m	21:48	52m	22:40	9h 50m	5h 18m				Fr, 22. Aug
Sa, 23. Aug	MESZ	22:37 – 04:01*	5h 24m	AN ₊ bis AN ₋	●	06:09	20:34	03:59	52m	04:51	44m	05:36	38m	06:14	14h 07m	20:22	38m	21:01	44m	21:45	51m	22:37	9h 53m	5h 24m				Sa, 23. Aug
So, 24. Aug	MESZ	22:34 – 04:04*	5h 30m	AN ₊ bis AN ₋		07:27	20:45	04:01	51m	04:53	44m	05:38	38m	06:16	14h 04m	20:20	38m	20:58	44m	21:42	51m	22:34	9h 57m	5h 30m				So, 24. Aug
Mo, 25. Aug	MESZ	22:30 – 04:07*	5h 36m	AN ₊ bis AN ₋		08:42	20:55	04:04	51m	04:55	44m	05:39	38m	06:18	14h 00m	20:18	38m	20:56	43m	21:40	50m	22:30	10h 01m	5h 36m				Mo, 25. Aug
Di, 26. Aug	MESZ	22:27 – 04:09*	5h 42m	AN ₊ bis AN ₋		09:55	21:05	04:07	50m	04:57	43m	05:41	38m	06:19	13h 56m	20:16	37m	20:54	43m	21:37	50m	22:27	10h 05m	5h 42m				Di, 26. Aug
Mi, 27. Aug	MESZ	22:24 – 04:12*	5h 47m	AN ₊ bis AN ₋		11:07	21:16	04:09	50m	04:59	43m	05:43	37m	06:21	13h 52m	20:14	37m	20:51	43m	21:35	49m	22:24	10h 08m	5h 47m				Mi, 27. Aug
Do, 28. Aug	MESZ	22:21 – 04:14*	5h 53m	AN ₊ bis AN ₋		12:20	21:29	04:12	49m	05:01	43m	05:45	37m	06:22	13h 49m	20:11	37m	20:49	42m	21:32	49m	22:21	10h 12m	5h 53m				Do, 28. Aug
Fr, 29. Aug	MESZ	22:18 – 04:17*	5h 58m	AN ₊ bis AN ₋		13:34	21:46	04:14	49m	05:03	42m	05:46	37m	06:24	13h 45m	20:09	37m	20:47	42m	21:29	48m	22:18	10h 16m	5h 58m				Fr, 29. Aug
Sa, 30. Aug	MESZ	22:15 – 04:19*	6h 04m	AN ₊ bis AN ₋		14:47	22:09	04:17	48m	05:05	42m																	

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

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

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