

# Mond- und Dämmerungstabelle 2025

## für die visuelle Deep-Sky-Beobachtung

Issoudun 46.9608° N 1.9944° E

Berechnung: pyEphem  
Textsatz: L<sup>A</sup>T<sub>E</sub>X

### 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  $-18^\circ$ ) 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<sub>+</sub> (Einbruch der astronomischen Nacht = Ende der astr. Abenddämmerung), M<sub>v</sub> (Monduntergang), AN<sub>-</sub> (Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung), M<sub>l</sub>

(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 =  $-18^\circ$ ).

**Spalte 10** Dauer der astr. Morgendämmerung.

**Spalte 11** Beginn der naut. Morgendämmerung (Sonnenhöhe =  $-12^\circ$ ).

**Spalte 12** Dauer der naut. Morgendämmerung.

**Spalte 13** Beginn der bürg. Morgendämmerung (Sonnenhöhe =  $-6^\circ$ ).

**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 =  $-6^\circ$ ).

**Spalte 20** Dauer der naut. Abenddämmerung.

**Spalte 21** Ende der naut. Abenddämmerung (Sonnenhöhe =  $-12^\circ$ ).

**Spalte 22** Dauer der astr. Abenddämmerung.

**Spalte 23** Ende der astr. Abenddämmerung (Sonnenhöhe =  $-18^\circ$ ).

**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  $-12^\circ$ ) und kein Mond stört.

**Spalte 27** Dauer der in Spalte 26 angegebenen Zeitspanne.

**Spalte 28** Ereignisse, die die nutzbare Zeitspanne begrenzen: ND<sub>+</sub> (Beginn der »naut. Dunkelheit« = Ende der naut. Abenddämmerung), M<sub>v</sub> (Monduntergang), ND<sub>-</sub> (Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung), M<sub>l</sub> (Mondaufgang), Naut. MD (Nautische Mitternachtsdämmerung).

**Spalte 29** Identisch zu Spalte 1.





Table with 29 columns (1-29) and 60 rows (Fr, 11. Apr to Fr, 30. Mai). Headers include date, time zone, moon phase, moon rise/set times, astronomical and nautical twilight, sunrise, and sunset. Moon phases are indicated by symbols like ☾, ☽, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀, ☿, ♀.





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

Table with columns for dates (1-29), zones (MESZ, etc.), moon phases (Astr. dunkel, Mond, Astr., Δt, Naut., Bürg.), and dawn/dusk times. Includes specific astronomical data for each day of the month.





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