Mond- und Dämmerungstabelle 2024

für die visuelle Deep-Sky-Beobachtung

Gmunden 47.9181° N 13.7994° E

Berechnung: pyEphem
Textsatz: LaTeX

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*), $M_\searrow$ (*Monduntergang*), AN_- (*Ende der astronomischen Nacht = Beginn der astr. Morgendämmerung*), $M_\nearrow$ (*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 = $-18°_\nearrow$).

Spalte 10 Dauer der astr. Morgendämmerung.

Spalte 11 Beginn der naut. Morgendämmerung (Sonnenhöhe = $-12°_\nearrow$).

Spalte 12 Dauer der naut. Morgendämmerung.

Spalte 13 Beginn der bürg. Morgendämmerung (Sonnenhöhe = $-6°_\nearrow$).

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 = $-6°_\searrow$).

Spalte 20 Dauer der naut. Abenddämmerung.

Spalte 21 Ende der naut. Abenddämmerung (Sonnenhöhe = $-12°_\searrow$).

Spalte 22 Dauer der astr. Abenddämmerung.

Spalte 23 Ende der astr. Abenddämmerung (Sonnenhöhe = $-18°_\searrow$).

Spalte 24 Länge der Nacht.

Spalte 25 Länge der astr. Nacht.

Für Beobachter, die zu Zeiten der Mitternachtsdämmerung während der astr. Dämmerung beoachten 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*), $M_\searrow$ (*Monduntergang*), ND_- (*Ende der »naut. Dunkelheit« = Beginn der naut. Morgendämmerung*), $M_\nearrow$ (*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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mo, 1. Jan		18:16 – 21:59	*3h 42m*	AN_+ *bis* $M_↗$		21:59	11:04	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 28m*	16:22	*38m*	17:00	*38m*	17:39	*37m*	18:16	*15h 31m*	*11h 42m*				Mo, 1. Jan
Di, 2. Jan		18:17 – 23:04	*4h 47m*	AN_+ *bis* $M_↗$		23:04	11:18	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 29m*	16:23	*38m*	17:01	*38m*	17:40	*37m*	18:17	*15h 30m*	*11h 41m*				Di, 2. Jan
Mi, 3. Jan		18:18 – 00:10*	*5h 52m*	AN_+ *bis* $M_↗$		—:—	11:31	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 30m*	16:24	*38m*	17:02	*38m*	17:41	*37m*	18:18	*15h 29m*	*11h 41m*				Mi, 3. Jan
Do, 4. Jan		18:19 – 01:18*	*6h 58m*	AN_+ *bis* $M_↗$	◑	00:10	11:44	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 31m*	16:25	*38m*	17:03	*38m*	17:42	*37m*	18:19	*15h 28m*	*11h 40m*				Do, 4. Jan
Fr, 5. Jan		18:20 – 02:29*	*8h 08m*	AN_+ *bis* $M_↗$		01:18	11:59	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 32m*	16:26	*38m*	17:04	*38m*	17:42	*37m*	18:20	*15h 26m*	*11h 39m*				Fr, 5. Jan
Sa, 6. Jan		18:21 – 03:43*	*9h 22m*	AN_+ *bis* $M_↗$		02:29	12:17	05:59	*37m*	06:37	*38m*	07:15	*37m*	07:53	*8h 34m*	16:27	*37m*	17:05	*38m*	17:43	*37m*	18:21	*15h 25m*	*11h 38m*				Sa, 6. Jan
So, 7. Jan		18:22 – 05:00*	*10h 38m*	AN_+ *bis* $M_↗$		03:43	12:40	05:59	*37m*	06:36	*38m*	07:15	*37m*	07:53	*8h 35m*	16:28	*37m*	17:06	*38m*	17:44	*37m*	18:22	*15h 24m*	*11h 37m*				So, 7. Jan
Mo, 8. Jan		18:23 – 05:59*	*11h 35m*	AN_+ *bis* AN_-		05:00	13:11	05:59	*37m*	06:36	*38m*	07:15	*37m*	07:52	*8h 37m*	16:29	*37m*	17:07	*38m*	17:46	*37m*	18:23	*15h 22m*	*11h 35m*				Mo, 8. Jan
Di, 9. Jan		18:24 – 05:59*	*11h 34m*	AN_+ *bis* AN_-		06:17	13:54	05:59	*37m*	06:36	*38m*	07:14	*37m*	07:52	*8h 38m*	16:31	*37m*	17:08	*38m*	17:47	*37m*	18:24	*15h 20m*	*11h 34m*				Di, 9. Jan
Mi, 10. Jan		18:25 – 05:58*	*11h 33m*	AN_+ *bis* AN_-		07:27	14:53	05:59	*37m*	06:36	*38m*	07:14	*37m*	07:52	*8h 40m*	16:32	*37m*	17:10	*38m*	17:48	*37m*	18:25	*15h 19m*	*11h 33m*				Mi, 10. Jan
Do, 11. Jan		18:26 – 05:58*	*11h 31m*	AN_+ *bis* AN_-	●	08:23	16:09	05:58	*37m*	06:36	*38m*	07:14	*37m*	07:51	*8h 42m*	16:33	*37m*	17:11	*38m*	17:49	*37m*	18:26	*15h 17m*	*11h 31m*				Do, 11. Jan
Fr, 12. Jan		18:27 – 05:58*	*11h 30m*	AN_+ *bis* AN_-		09:06	17:35	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:51	*8h 43m*	16:34	*37m*	17:12	*37m*	17:50	*37m*	18:27	*15h 15m*	*11h 30m*				Fr, 12. Jan
Sa, 13. Jan		19:03 – 05:57*	*10h 53m*	$M_↘$ *bis* AN_-		09:37	19:03	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:50	*8h 45m*	16:36	*37m*	17:13	*37m*	17:51	*37m*	18:28	*15h 13m*	*11h 29m*				Sa, 13. Jan
So, 14. Jan		20:30 – 05:57*	*9h 26m*	$M_↘$ *bis* AN_-		10:01	20:30	05:57	*37m*	06:34	*37m*	07:12	*37m*	07:50	*8h 47m*	16:37	*37m*	17:14	*37m*	17:52	*37m*	18:29	*15h 11m*	*11h 27m*				So, 14. Jan
Mo, 15. Jan		21:54 – 05:57*	*8h 02m*	$M_↘$ *bis* AN_-		10:20	21:54	05:57	*37m*	06:34	*37m*	07:12	*37m*	07:49	*8h 49m*	16:38	*37m*	17:16	*37m*	17:53	*37m*	18:31	*15h 09m*	*11h 26m*				Mo, 15. Jan
Di, 16. Jan		23:14 – 05:56*	*6h 41m*	$M_↘$ *bis* AN_-		10:37	23:14	05:57	*37m*	06:34	*37m*	07:11	*37m*	07:48	*8h 51m*	16:40	*37m*	17:17	*37m*	17:55	*37m*	18:32	*15h 07m*	*11h 24m*				Di, 16. Jan
Mi, 17. Jan		00:34* – 05:56*	*5h 21m*	$M_↘$ *bis* AN_-		10:54	—:—	05:56	*36m*	06:33	*37m*	07:11	*36m*	07:48	*8h 53m*	16:41	*36m*	17:18	*37m*	17:56	*36m*	18:33	*15h 05m*	*11h 22m*				Mi, 17. Jan
Do, 18. Jan		01:53* – 05:55*	*4h 01m*	$M_↘$ *bis* AN_-	◐	11:12	00:34	05:56	*36m*	06:32	*37m*	07:10	*36m*	07:47	*8h 55m*	16:43	*36m*	17:20	*37m*	17:57	*36m*	18:34	*15h 03m*	*11h 20m*				Do, 18. Jan
Fr, 19. Jan		03:12* – 05:54*	*2h 41m*	$M_↘$ *bis* AN_-		11:32	01:53	05:55	*36m*	06:32	*37m*	07:09	*36m*	07:46	*8h 58m*	16:44	*36m*	17:21	*37m*	17:58	*36m*	18:35	*15h 01m*	*11h 19m*				Fr, 19. Jan
Sa, 20. Jan		04:29* – 05:54*	*1h 24m*	$M_↘$ *bis* AN_-		11:58	03:12	05:54	*36m*	06:31	*37m*	07:09	*36m*	07:45	*9h 00m*	16:46	*36m*	17:22	*37m*	18:00	*36m*	18:36	*14h 58m*	*11h 17m*				Sa, 20. Jan
So, 21. Jan		05:40* – 05:53*	*13m*	$M_↘$ *bis* AN_-		12:30	04:29	05:54	*36m*	06:30	*37m*	07:08	*36m*	07:44	*9h 02m*	16:47	*36m*	17:24	*37m*	18:01	*36m*	18:38	*14h 56m*	*11h 15m*				So, 21. Jan
Mo, 22. Jan		—:— – —:—	–	Mond stört		13:13	05:40	05:53	*36m*	06:30	*37m*	07:07	*36m*	07:43	*9h 05m*	16:48	*36m*	17:25	*37m*	18:02	*36m*	18:39	*14h 53m*	*11h 13m*				Mo, 22. Jan
Di, 23. Jan		—:— – —:—	–	Mond stört		14:07	06:40	05:52	*36m*	06:29	*37m*	07:06	*36m*	07:42	*9h 07m*	16:50	*36m*	17:26	*37m*	18:03	*36m*	18:40	*14h 51m*	*11h 11m*				Di, 23. Jan
Mi, 24. Jan		—:— – —:—	–	Mond stört		15:10	07:28	05:52	*36m*	06:28	*37m*	07:05	*36m*	07:41	*9h 10m*	16:52	*36m*	17:28	*37m*	18:05	*36m*	18:41	*14h 48m*	*11h 09m*				Mi, 24. Jan
Do, 25. Jan		—:— – —:—	–	Mond stört	○	16:19	08:04	05:51	*36m*	06:27	*36m*	07:04	*36m*	07:40	*9h 12m*	16:53	*36m*	17:29	*37m*	18:06	*36m*	18:43	*14h 46m*	*11h 07m*				Do, 25. Jan
Fr, 26. Jan		—:— – —:—	–	Mond stört		17:29	08:31	05:50	*36m*	06:26	*36m*	07:03	*35m*	07:39	*9h 15m*	16:55	*35m*	17:31	*36m*	18:07	*36m*	18:44	*14h 43m*	*11h 05m*				Fr, 26. Jan
Sa, 27. Jan		—:— – —:—	–	Mond stört		18:39	08:52	05:49	*36m*	06:26	*36m*	07:02	*35m*	07:38	*9h 17m*	16:56	*35m*	17:32	*36m*	18:09	*36m*	18:45	*14h 41m*	*11h 02m*				Sa, 27. Jan
So, 28. Jan		18:47 – 19:47	*59m*	AN_+ *bis* $M_↗$		19:47	09:09	05:48	*36m*	06:25	*36m*	07:01	*35m*	07:37	*9h 20m*	16:58	*35m*	17:33	*36m*	18:10	*36m*	18:47	*14h 38m*	*11h 00m*				So, 28. Jan
Mo, 29. Jan		18:48 – 20:53	*2h 04m*	AN_+ *bis* $M_↗$		20:53	09:24	05:47	*36m*	06:24	*36m*	07:00	*35m*	07:36	*9h 23m*	16:59	*35m*	17:35	*36m*	18:12	*36m*	18:48	*14h 35m*	*10h 58m*				Mo, 29. Jan
Di, 30. Jan		18:49 – 21:58	*3h 08m*	AN_+ *bis* $M_↗$		21:58	09:37	05:46	*36m*	06:23	*36m*	06:59	*35m*	07:35	*9h 26m*	17:01	*35m*	17:36	*36m*	18:13	*36m*	18:49	*14h 32m*	*10h 55m*				Di, 30. Jan
Mi, 31. Jan		18:51 – 23:04	*4h 13m*	AN_+ *bis* $M_↗$		23:04	09:50	05:45	*36m*	06:22	*36m*	06:58	*35m*	07:33	*9h 28m*	17:02	*35m*	17:38	*36m*	18:14	*36m*	18:51	*14h 29m*	*10h 53m*				Mi, 31. Jan
Do, 1. Feb		18:52 – 00:12*	*5h 20m*	AN_+ *bis* $M_↗$		—:—	10:04	05:44	*36m*	06:20	*36m*	06:57	*35m*	07:32	*9h 31m*	17:04	*35m*	17:39	*36m*	18:16	*36m*	18:52	*14h 26m*	*10h 51m*				Do, 1. Feb
Fr, 2. Feb		18:53 – 01:24*	*6h 30m*	AN_+ *bis* $M_↗$		00:12	10:20	05:43	*36m*	06:19	*36m*	06:56	*35m*	07:31	*9h 34m*	17:06	*35m*	17:41	*36m*	18:17	*36m*	18:53	*14h 24m*	*10h 48m*				Fr, 2. Feb
Sa, 3. Feb		18:55 – 02:38*	*7h 43m*	AN_+ *bis* $M_↗$	◑	01:24	10:40	05:42	*36m*	06:18	*36m*	06:54	*35m*	07:30	*9h 37m*	17:07	*35m*	17:42	*36m*	18:19	*36m*	18:55	*14h 21m*	*10h 46m*				Sa, 3. Feb
So, 4. Feb		18:56 – 03:53*	*8h 57m*	AN_+ *bis* $M_↗$		02:38	11:05	05:41	*36m*	06:17	*36m*	06:53	*34m*	07:28	*9h 40m*	17:09	*35m*	17:44	*36m*	18:20	*36m*	18:56	*14h 18m*	*10h 43m*				So, 4. Feb
Mo, 5. Feb		18:58 – 05:05*	*10h 07m*	AN_+ *bis* $M_↗$		03:53	11:41	05:40	*36m*	06:16	*36m*	06:52	*34m*	07:27	*9h 43m*	17:10	*34m*	17:45	*36m*	18:21	*36m*	18:58	*14h 15m*	*10h 40m*				Mo, 5. Feb
Di, 6. Feb		18:59 – 05:37*	*10h 38m*	AN_+ *bis* AN_-		05:05	12:31	05:38	*36m*	06:14	*36m*	06:51	*34m*	07:25	*9h 46m*	17:12	*34m*	17:47	*36m*	18:23	*36m*	18:59	*14h 11m*	*10h 38m*				Di, 6. Feb
Mi, 7. Feb		19:00 – 05:36*	*10h 35m*	AN_+ *bis* AN_-		06:08	13:38	05:37	*36m*	06:13	*36m*	06:49	*34m*	07:24	*9h 49m*	17:13	*34m*	17:48	*36m*	18:24	*36m*	19:00	*14h 08m*	*10h 35m*				Mi, 7. Feb
Do, 8. Feb		19:02 – 05:35*	*10h 32m*	AN_+ *bis* AN_-		06:57	15:00	05:36	*35m*	06:12	*35m*	06:48	*34m*	07:22	*9h 52m*	17:15	*34m*	17:50	*35m*	18:26	*36m*	19:02	*14h 05m*	*10h 32m*				Do, 8. Feb
Fr, 9. Feb		19:03 – 05:33*	*10h 30m*	AN_+ *bis* AN_-	●	07:33	16:29	05:35	*35m*	06:11	*35m*	06:46	*34m*	07:21	*9h 55m*	17:17	*34m*	17:51	*35m*	18:27	*36m*	19:03	*14h 02m*	*10h 30m*				Fr, 9. Feb
Sa, 10. Feb		19:05 – 05:32*	*10h 27m*	AN_+ *bis* AN_-		08:01	17:59	05:33	*35m*	06:09	*35m*	06:45	*34m*	07:19	*9h 58m*	17:18	*34m*	17:53	*35m*	18:29	*35m*	19:05	*13h 59m*	*10h 27m*				Sa, 10. Feb
So, 11. Feb		19:28 – 05:30*	*10h 02m*	$M_↘$ *bis* AN_-		08:22	19:28	05:32	*35m*	06:08	*35m*	06:43	*34m*	07:18	*10h 02m*	17:20	*34m*	17:54	*35m*	18:30	*35m*	19:06	*13h 56m*	*10h 24m*				So, 11. Feb
Mo, 12. Feb		20:53 – 05:29*	*8h 35m*	$M_↘$ *bis* AN_-		08:41	20:53	05:30	*35m*	06:06	*35m*	06:42	*34m*	07:16	*10h 05m*	17:21	*34m*	17:56	*35m*	18:31	*35m*	19:07	*13h 53m*	*10h 21m*				Mo, 12. Feb
Di, 13. Feb		22:17 – 05:27*	*7h 10m*	$M_↘$ *bis* AN_-		08:58	22:17	05:29	*35m*	06:05	*35m*	06:40	*34m*	07:15	*10h 08m*	17:23	*34m*	17:57	*35m*	18:33	*35m*	19:09	*13h 49m*	*10h 18m*				Di, 13. Feb
Mi, 14. Feb		23:39 – 05:26*	*5h 47m*	$M_↘$ *bis* AN_-		09:16	23:39	05:27	*35m*	06:03	*35m*	06:39	*34m*	07:13	*10h 11m*	17:25	*34m*	17:59	*35m*	18:34	*35m*	19:10	*13h 46m*	*10h 15m*				Mi, 14. Feb
Do, 15. Feb		01:00* – 05:24*	*4h 23m*	$M_↘$ *bis* AN_-		09:36	—:—	05:26	*35m*	06:02	*35m*	06:37	*33m*	07:11	*10h 14m*	17:26	*33m*	18:00	*35m*	18:36	*35m*	19:12	*13h 43m*	*10h 12m*				Do, 15. Feb
Fr, 16. Feb		02:20* – 05:23*	*3h 03m*	$M_↘$ *bis* AN_-	◐	10:00	01:00	05:24	*35m*	06:00	*35m*	06:36	*33m*	07:10	*10h 18m*	17:28	*33m*	18:02	*35m*	18:37	*35m*	19:13	*13h 40m*	*10h 09m*				Fr, 16. Feb
Sa, 17. Feb		03:33* – 05:21*	*1h 48m*	$M_↘$ *bis* AN_-		10:30	02:20	05:23	*35m*	05:59	*35m*	06:34	*33m*	07:08	*10h 21m*	17:29	*33m*	18:03	*35m*	18:39	*35m*	19:15	*13h 36m*	*10h 06m*				Sa, 17. Feb
So, 18. Feb		04:37* – 05:20*	*42m*	$M_↘$ *bis* AN_-		11:10	03:33	05:21	*35m*	05:57	*35m*	06:32	*33m*	07:06	*10h 24m*	17:31	*33m*	18:05	*35m*	18:40	*35m*	19:16	*13h 33m*	*10h 03m*				So, 18. Feb
Mo, 19. Feb		—:— – —:—	–	Mond stört		12:00	04:37	05:20	*35m*	05:55	*35m*	06:31	*33m*	07:04	*10h 28m*	17:33	*33m*	18:06	*35m*	18:42	*35m*	19:18	*13h 30m*	*10h 00m*				Mo, 19. Feb

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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Di, 20. Feb		—:——:—	–	Mond stört		13:01	05:28	05:18	*35m*	05:54	*35m*	06:29	*33m*	07:03	*10h 31m*	17:34	*33m*	18:08	*35m*	18:43	*35m*	19:19	*13h 26m*	*9h 57m*				Di, 20. Feb
Mi, 21. Feb		—:——:—	–	Mond stört		14:08	06:07	05:16	*35m*	05:52	*35m*	06:27	*33m*	07:01	*10h 34m*	17:36	*33m*	18:09	*35m*	18:45	*35m*	19:20	*13h 23m*	*9h 54m*				Mi, 21. Feb
Do, 22. Feb		—:——:—	–	Mond stört		15:18	06:36	05:15	*35m*	05:50	*35m*	06:26	*33m*	06:59	*10h 38m*	17:37	*33m*	18:11	*35m*	18:46	*35m*	19:22	*13h 20m*	*9h 50m*				Do, 22. Feb
Fr, 23. Feb		—:——:—	–	Mond stört		16:28	06:58	05:13	*35m*	05:49	*35m*	06:24	*33m*	06:57	*10h 41m*	17:39	*33m*	18:12	*35m*	18:48	*35m*	19:23	*13h 16m*	*9h 47m*				Fr, 23. Feb
Sa, 24. Feb		—:——:—	–	Mond stört	○	17:36	07:16	05:11	*35m*	05:47	*35m*	06:22	*33m*	06:55	*10h 44m*	17:40	*33m*	18:14	*35m*	18:49	*35m*	19:25	*13h 13m*	*9h 44m*				Sa, 24. Feb
So, 25. Feb		—:——:—	–	Mond stört		18:43	07:31	05:09	*35m*	05:45	*35m*	06:20	*33m*	06:54	*10h 48m*	17:42	*33m*	18:15	*35m*	18:50	*35m*	19:26	*13h 09m*	*9h 41m*				So, 25. Feb
Mo, 26. Feb		19:28 – 19:49	*20m*	AN$_+$ *bis* M↗		19:49	07:44	05:08	*35m*	05:43	*35m*	06:19	*33m*	06:52	*10h 51m*	17:43	*33m*	18:17	*35m*	18:52	*35m*	19:28	*13h 06m*	*9h 37m*				Mo, 26. Feb
Di, 27. Feb		19:29 – 20:54	*1h 25m*	AN$_+$ *bis* M↗		20:54	07:57	05:06	*35m*	05:42	*35m*	06:17	*33m*	06:50	*10h 55m*	17:45	*33m*	18:18	*35m*	18:53	*35m*	19:29	*13h 03m*	*9h 34m*				Di, 27. Feb
Mi, 28. Feb		19:31 – 22:02	*2h 30m*	AN$_+$ *bis* M↗		22:02	08:10	05:04	*35m*	05:40	*35m*	06:15	*33m*	06:48	*10h 58m*	17:47	*33m*	18:20	*35m*	18:55	*36m*	19:31	*12h 59m*	*9h 31m*				Mi, 28. Feb
Do, 29. Feb		19:32 – 23:11	*3h 38m*	AN$_+$ *bis* M↗		23:11	08:25	05:02	*35m*	05:38	*35m*	06:13	*33m*	06:46	*11h 01m*	17:48	*33m*	18:21	*35m*	18:56	*36m*	19:32	*12h 56m*	*9h 27m*				Do, 29. Feb
Fr, 1. Mrz		19:34 – 00:23*	*4h 49m*	AN$_+$ *bis* M↗		—:—	08:43	05:00	*35m*	05:36	*35m*	06:11	*32m*	06:44	*11h 05m*	17:50	*33m*	18:23	*35m*	18:58	*36m*	19:34	*12h 52m*	*9h 24m*				Fr, 1. Mrz
Sa, 2. Mrz		19:35 – 01:37*	*6h 01m*	AN$_+$ *bis* M↗		00:23	09:06	04:58	*36m*	05:34	*35m*	06:09	*32m*	06:42	*11h 08m*	17:51	*33m*	18:24	*35m*	18:59	*36m*	19:35	*12h 49m*	*9h 20m*				Sa, 2. Mrz
So, 3. Mrz		19:37 – 02:49*	*7h 11m*	AN$_+$ *bis* M↗	◑	01:37	09:36	04:56	*36m*	05:32	*35m*	06:07	*32m*	06:40	*11h 12m*	17:53	*32m*	18:26	*35m*	19:01	*36m*	19:37	*12h 45m*	*9h 17m*				So, 3. Mrz
Mo, 4. Mrz		19:39 – 03:54*	*8h 15m*	AN$_+$ *bis* M↗		02:49	10:18	04:54	*36m*	05:30	*35m*	06:06	*32m*	06:38	*11h 15m*	17:54	*32m*	18:27	*35m*	19:02	*36m*	19:39	*12h 42m*	*9h 13m*				Mo, 4. Mrz
Di, 5. Mrz		19:40 – 04:47*	*9h 07m*	AN$_+$ *bis* M↗		03:54	11:15	04:52	*36m*	05:28	*35m*	06:04	*32m*	06:36	*11h 19m*	17:56	*32m*	18:29	*35m*	19:04	*36m*	19:40	*12h 38m*	*9h 10m*				Di, 5. Mrz
Mi, 6. Mrz		19:42 – 04:48*	*9h 06m*	AN$_+$ *bis* AN$_-$		04:47	12:28	04:50	*36m*	05:27	*35m*	06:02	*32m*	06:34	*11h 22m*	17:57	*32m*	18:30	*35m*	19:05	*36m*	19:42	*12h 35m*	*9h 06m*				Mi, 6. Mrz
Do, 7. Mrz		19:43 – 04:46*	*9h 02m*	AN$_+$ *bis* AN$_-$		05:28	13:53	04:48	*36m*	05:25	*35m*	06:00	*32m*	06:33	*11h 26m*	17:59	*32m*	18:32	*35m*	19:07	*36m*	19:43	*12h 31m*	*9h 02m*				Do, 7. Mrz
Fr, 8. Mrz		19:45 – 04:44*	*8h 59m*	AN$_+$ *bis* AN$_-$		05:59	15:22	04:46	*36m*	05:23	*35m*	05:58	*32m*	06:31	*11h 29m*	18:00	*32m*	18:33	*35m*	19:08	*36m*	19:45	*12h 28m*	*8h 59m*				Fr, 8. Mrz
Sa, 9. Mrz		19:46 – 04:42*	*8h 55m*	AN$_+$ *bis* AN$_-$		06:23	16:51	04:44	*36m*	05:21	*35m*	05:56	*32m*	06:29	*11h 33m*	18:02	*32m*	18:35	*35m*	19:10	*36m*	19:46	*12h 24m*	*8h 55m*				Sa, 9. Mrz
So, 10. Mrz		19:48 – 04:40*	*8h 51m*	AN$_+$ *bis* AN$_-$	●	06:43	18:20	04:42	*36m*	05:19	*35m*	05:54	*32m*	06:27	*11h 36m*	18:03	*32m*	18:36	*35m*	19:11	*36m*	19:48	*12h 21m*	*8h 51m*				So, 10. Mrz
Mo, 11. Mrz		19:50 – 04:38*	*8h 48m*	AN$_+$ *bis* AN$_-$		07:01	19:46	04:40	*36m*	05:17	*35m*	05:52	*32m*	06:25	*11h 40m*	18:05	*32m*	18:37	*35m*	19:13	*36m*	19:50	*12h 17m*	*8h 48m*				Mo, 11. Mrz
Di, 12. Mrz		21:12 – 04:36*	*7h 23m*	M↘ *bis* AN$_-$		07:18	21:12	04:38	*36m*	05:14	*35m*	05:50	*32m*	06:23	*11h 43m*	18:06	*32m*	18:39	*35m*	19:14	*36m*	19:51	*12h 14m*	*8h 44m*				Di, 12. Mrz
Mi, 13. Mrz		22:38 – 04:34*	*5h 55m*	M↘ *bis* AN$_-$		07:38	22:38	04:36	*36m*	05:12	*35m*	05:48	*32m*	06:21	*11h 47m*	18:08	*32m*	18:40	*35m*	19:16	*36m*	19:53	*12h 10m*	*8h 40m*				Mi, 13. Mrz
Do, 14. Mrz		00:02* – 04:31*	*4h 29m*	M↘ *bis* AN$_-$		08:00	—:—	04:34	*36m*	05:10	*35m*	05:46	*32m*	06:18	*11h 50m*	18:09	*32m*	18:42	*35m*	19:17	*37m*	19:54	*12h 07m*	*8h 36m*				Do, 14. Mrz
Fr, 15. Mrz		01:21* – 04:29*	*3h 08m*	M↘ *bis* AN$_-$		08:29	00:02	04:31	*36m*	05:08	*35m*	05:44	*32m*	06:16	*11h 54m*	18:11	*32m*	18:43	*35m*	19:19	*37m*	19:56	*12h 03m*	*8h 33m*				Fr, 15. Mrz
Sa, 16. Mrz		02:30* – 04:27*	*1h 56m*	M↘ *bis* AN$_-$		09:06	01:21	04:29	*37m*	05:06	*35m*	05:42	*32m*	06:14	*11h 57m*	18:12	*32m*	18:45	*35m*	19:20	*37m*	19:58	*12h 00m*	*8h 29m*				Sa, 16. Mrz
So, 17. Mrz		03:26* – 04:25*	*58m*	M↘ *bis* AN$_-$	◐	09:53	02:30	04:27	*37m*	05:04	*35m*	05:40	*32m*	06:12	*12h 01m*	18:13	*32m*	18:46	*35m*	19:22	*37m*	19:59	*11h 56m*	*8h 25m*				So, 17. Mrz
Mo, 18. Mrz		04:09* – 04:22*	*13m*	M↘ *bis* AN$_-$		10:52	03:26	04:25	*37m*	05:02	*35m*	05:38	*32m*	06:10	*12h 04m*	18:15	*32m*	18:48	*35m*	19:24	*37m*	20:01	*11h 53m*	*8h 21m*				Mo, 18. Mrz
Di, 19. Mrz		—:——:—	–	Mond stört		11:58	04:09	04:22	*37m*	05:00	*35m*	05:35	*32m*	06:08	*12h 08m*	18:16	*32m*	18:49	*35m*	19:25	*37m*	20:03	*11h 49m*	*8h 17m*				Di, 19. Mrz
Mi, 20. Mrz		—:——:—	–	Mond stört		13:08	04:41	04:20	*37m*	04:58	*35m*	05:33	*32m*	06:06	*12h 11m*	18:18	*32m*	18:51	*35m*	19:27	*37m*	20:04	*11h 46m*	*8h 13m*				Mi, 20. Mrz
Do, 21. Mrz		—:——:—	–	Mond stört		14:18	05:05	04:18	*37m*	04:56	*35m*	05:31	*32m*	06:04	*12h 15m*	18:19	*32m*	18:52	*35m*	19:28	*37m*	20:06	*11h 42m*	*8h 09m*				Do, 21. Mrz
Fr, 22. Mrz		—:——:—	–	Mond stört		15:26	05:23	04:16	*37m*	04:53	*35m*	05:29	*32m*	06:02	*12h 18m*	18:21	*32m*	18:54	*35m*	19:30	*38m*	20:08	*11h 39m*	*8h 05m*				Fr, 22. Mrz
Sa, 23. Mrz		—:——:—	–	Mond stört		16:33	05:39	04:13	*37m*	04:51	*35m*	05:27	*32m*	06:00	*12h 22m*	18:22	*33m*	18:55	*36m*	19:31	*38m*	20:10	*11h 35m*	*8h 01m*				Sa, 23. Mrz
So, 24. Mrz		—:——:—	–	Mond stört		17:39	05:53	04:11	*38m*	04:49	*36m*	05:25	*32m*	05:58	*12h 25m*	18:24	*33m*	18:57	*36m*	19:33	*38m*	20:11	*11h 32m*	*7h 57m*				So, 24. Mrz
Mo, 25. Mrz		—:——:—	–	Mond stört	○	18:45	06:05	04:09	*38m*	04:47	*36m*	05:23	*33m*	05:56	*12h 29m*	18:25	*33m*	18:58	*36m*	19:34	*38m*	20:13	*11h 28m*	*7h 53m*				Mo, 25. Mrz
Di, 26. Mrz		—:——:—	–	Mond stört		19:52	06:18	04:06	*38m*	04:45	*36m*	05:21	*33m*	05:54	*12h 32m*	18:27	*33m*	19:00	*36m*	19:36	*38m*	20:15	*11h 25m*	*7h 49m*				Di, 26. Mrz
Mi, 27. Mrz		20:17 – 21:01	*44m*	AN$_+$ *bis* M↗		21:01	06:33	04:04	*38m*	04:43	*36m*	05:19	*33m*	05:52	*12h 36m*	18:28	*33m*	19:01	*36m*	19:38	*38m*	20:17	*11h 21m*	*7h 44m*				Mi, 27. Mrz
Do, 28. Mrz		20:18 – 22:13	*1h 54m*	AN$_+$ *bis* M↗		22:13	06:49	04:02	*38m*	04:40	*36m*	05:17	*33m*	05:50	*12h 39m*	18:29	*33m*	19:03	*36m*	19:39	*39m*	20:18	*11h 18m*	*7h 40m*				Do, 28. Mrz
Fr, 29. Mrz		20:20 – 23:26	*3h 05m*	AN$_+$ *bis* M↗		23:26	07:10	03:59	*39m*	04:38	*36m*	05:15	*33m*	05:48	*12h 43m*	18:31	*33m*	19:04	*36m*	19:41	*39m*	20:20	*11h 14m*	*7h 36m*				Fr, 29. Mrz
Sa, 30. Mrz		20:22 – 00:38*	*4h 16m*	AN$_+$ *bis* M↗		—:—	07:37	03:57	*39m*	04:36	*36m*	05:13	*33m*	05:46	*12h 46m*	18:32	*33m*	19:06	*36m*	19:42	*39m*	20:22	*11h 11m*	*7h 32m*				Sa, 30. Mrz
So, 31. Mrz	MESZ	21:24 – 02:45*	*5h 21m*	AN$_+$ *bis* M↗		01:38	09:14	04:54	*39m*	05:34	*36m*	06:10	*33m*	06:44	*12h 49m*	19:34	*33m*	20:07	*36m*	20:44	*39m*	21:24	*11h 08m*	*7h 28m*				So, 31. Mrz
Mo, 1. Apr	MESZ	21:26 – 03:41*	*6h 15m*	AN$_+$ *bis* M↗		02:45	10:05	04:52	*39m*	05:32	*36m*	06:08	*33m*	06:42	*12h 53m*	19:35	*33m*	20:09	*37m*	20:46	*39m*	21:26	*11h 04m*	*7h 23m*				Mo, 1. Apr
Di, 2. Apr	MESZ	21:28 – 04:25*	*6h 57m*	AN$_+$ *bis* M↗	◑	03:41	11:10	04:49	*39m*	05:29	*37m*	06:06	*33m*	06:40	*12h 56m*	19:37	*33m*	20:10	*37m*	20:47	*40m*	21:28	*11h 01m*	*7h 19m*				Di, 2. Apr
Mi, 3. Apr	MESZ	21:29 – 04:44*	*7h 15m*	AN$_+$ *bis* AN$_-$		04:25	12:27	04:47	*40m*	05:27	*37m*	06:04	*33m*	06:38	*13h 00m*	19:38	*33m*	20:12	*37m*	20:49	*40m*	21:29	*10h 57m*	*7h 15m*				Mi, 3. Apr
Do, 4. Apr	MESZ	21:31 – 04:42*	*7h 10m*	AN$_+$ *bis* AN$_-$		04:58	13:52	04:44	*40m*	05:25	*37m*	06:02	*33m*	06:36	*13h 03m*	19:39	*33m*	20:13	*37m*	20:51	*40m*	21:31	*10h 54m*	*7h 10m*				Do, 4. Apr
Fr, 5. Apr	MESZ	21:33 – 04:40*	*7h 06m*	AN$_+$ *bis* AN$_-$		05:24	15:19	04:42	*40m*	05:23	*37m*	06:00	*33m*	06:34	*13h 07m*	19:41	*33m*	20:15	*37m*	20:52	*40m*	21:33	*10h 50m*	*7h 06m*				Fr, 5. Apr
Sa, 6. Apr	MESZ	21:35 – 04:37*	*7h 01m*	AN$_+$ *bis* AN$_-$		05:45	16:45	04:40	*40m*	05:20	*37m*	05:58	*33m*	06:32	*13h 10m*	19:42	*33m*	20:16	*37m*	20:54	*41m*	21:35	*10h 47m*	*7h 01m*				Sa, 6. Apr
So, 7. Apr	MESZ	21:37 – 04:35*	*6h 57m*	AN$_+$ *bis* AN$_-$		06:03	18:11	04:37	*41m*	05:18	*37m*	05:56	*33m*	06:30	*13h 14m*	19:44	*33m*	20:18	*37m*	20:56	*41m*	21:37	*10h 43m*	*6h 57m*				So, 7. Apr
Mo, 8. Apr	MESZ	21:39 – 04:32*	*6h 52m*	AN$_+$ *bis* AN$_-$	●	06:20	19:38	04:35	*41m*	05:16	*37m*	05:54	*33m*	06:28	*13h 17m*	19:45	*34m*	20:19	*38m*	20:57	*41m*	21:39	*10h 40m*	*6h 52m*				Mo, 8. Apr
Di, 9. Apr	MESZ	21:41 – 04:29*	*6h 48m*	AN$_+$ *bis* AN$_-$		06:39	21:05	04:32	*41m*	05:14	*38m*	05:52	*34m*	06:26	*13h 20m*	19:47	*34m*	20:21	*38m*	20:59	*41m*	21:41	*10h 37m*	*6h 48m*				Di, 9. Apr

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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mi, 10. Apr	MESZ	22:32 – 04:27*	*5h 54m*	M↘ *bis* AN_		07:00	22:32	04:29	*41m*	05:11	*38m*	05:50	*34m*	06:24	*13h 24m*	19:48	*34m*	20:22	*38m*	21:01	*42m*	21:43	*10h 33m*	*6h 43m*				Mi, 10. Apr
Do, 11. Apr	MESZ	23:57 – 04:24*	*4h 27m*	M↘ *bis* AN_		07:26	23:57	04:27	*42m*	05:09	*38m*	05:48	*34m*	06:22	*13h 27m*	19:50	*34m*	20:24	*38m*	21:03	*42m*	21:45	*10h 30m*	*6h 39m*				Do, 11. Apr
Fr, 12. Apr	MESZ	01:13* – 04:22*	*3h 08m*	M↘ *bis* AN_		08:00	—:—	04:24	*42m*	05:07	*38m*	05:46	*34m*	06:20	*13h 31m*	19:51	*34m*	20:25	*38m*	21:04	*42m*	21:47	*10h 26m*	*6h 34m*				Fr, 12. Apr
Sa, 13. Apr	MESZ	02:18* – 04:19*	*2h 01m*	M↘ *bis* AN_		08:44	01:13	04:22	*42m*	05:05	*38m*	05:43	*34m*	06:18	*13h 34m*	19:52	*34m*	20:27	*39m*	21:06	*43m*	21:49	*10h 23m*	*6h 29m*				Sa, 13. Apr
So, 14. Apr	MESZ	03:07* – 04:17*	*1h 09m*	M↘ *bis* AN_		09:40	02:18	04:19	*43m*	05:02	*38m*	05:41	*34m*	06:16	*13h 37m*	19:54	*34m*	20:29	*39m*	21:08	*43m*	21:51	*10h 20m*	*6h 25m*				So, 14. Apr
Mo, 15. Apr	MESZ	03:43* – 04:14*	*31m*	M↘ *bis* AN_	◐	10:45	03:07	04:17	*43m*	05:00	*39m*	05:39	*34m*	06:14	*13h 41m*	19:55	*34m*	20:30	*39m*	21:10	*43m*	21:54	*10h 16m*	*6h 20m*				Mo, 15. Apr
Di, 16. Apr	MESZ	04:10* – 04:11*	*1m*	M↘ *bis* AN_		11:55	03:43	04:14	*43m*	04:58	*39m*	05:37	*34m*	06:12	*13h 44m*	19:57	*34m*	20:32	*39m*	21:11	*44m*	21:56	*10h 13m*	*6h 15m*				Di, 16. Apr
Mi, 17. Apr	MESZ	—:— – —:—	–	Mond stört		13:06	04:10	04:11	*44m*	04:56	*39m*	05:35	*34m*	06:10	*13h 47m*	19:58	*35m*	20:33	*39m*	21:13	*44m*	21:58	*10h 10m*	*6h 11m*				Mi, 17. Apr
Do, 18. Apr	MESZ	—:— – —:—	–	Mond stört		14:15	04:30	04:09	*44m*	04:54	*39m*	05:33	*35m*	06:08	*13h 51m*	20:00	*35m*	20:35	*40m*	21:15	*45m*	22:00	*10h 06m*	*6h 06m*				Do, 18. Apr
Fr, 19. Apr	MESZ	—:— – —:—	–	Mond stört		15:23	04:46	04:06	*45m*	04:51	*40m*	05:31	*35m*	06:07	*13h 54m*	20:01	*35m*	20:36	*40m*	21:17	*45m*	22:02	*10h 03m*	*6h 01m*				Fr, 19. Apr
Sa, 20. Apr	MESZ	—:— – —:—	–	Mond stört		16:29	05:00	04:04	*45m*	04:49	*40m*	05:29	*35m*	06:05	*13h 57m*	20:02	*35m*	20:38	*40m*	21:18	*45m*	22:04	*10h 00m*	*5h 56m*				Sa, 20. Apr
So, 21. Apr	MESZ	—:— – —:—	–	Mond stört		17:35	05:13	04:01	*45m*	04:47	*40m*	05:27	*35m*	06:03	*14h 00m*	20:04	*35m*	20:40	*40m*	21:20	*46m*	22:07	*9h 57m*	*5h 51m*				So, 21. Apr
Mo, 22. Apr	MESZ	—:— – —:—	–	Mond stört		18:42	05:26	03:58	*46m*	04:45	*40m*	05:25	*35m*	06:01	*14h 04m*	20:05	*35m*	20:41	*40m*	21:22	*46m*	22:09	*9h 53m*	*5h 46m*				Mo, 22. Apr
Di, 23. Apr	MESZ	—:— – —:—	–	Mond stört		19:50	05:40	03:56	*46m*	04:43	*40m*	05:24	*35m*	05:59	*14h 07m*	20:07	*35m*	20:43	*41m*	21:24	*47m*	22:11	*9h 50m*	*5h 41m*				Di, 23. Apr
Mi, 24. Apr	MESZ	—:— – —:—	–	Mond stört	○	21:02	05:56	03:53	*47m*	04:40	*41m*	05:22	*35m*	05:57	*14h 10m*	20:08	*36m*	20:44	*41m*	21:26	*47m*	22:13	*9h 47m*	*5h 37m*				Mi, 24. Apr
Do, 25. Apr	MESZ	—:— – —:—	–	Mond stört		22:15	06:15	03:50	*47m*	04:38	*41m*	05:20	*36m*	05:56	*14h 13m*	20:10	*36m*	20:46	*41m*	21:28	*48m*	22:16	*9h 44m*	*5h 32m*				Do, 25. Apr
Fr, 26. Apr	MESZ	22:18 – 23:29	*1h 10m*	AN+ *bis* M↗		23:29	06:41	03:48	*48m*	04:36	*41m*	05:18	*36m*	05:54	*14h 17m*	20:11	*36m*	20:47	*42m*	21:29	*48m*	22:18	*9h 41m*	*5h 27m*				Fr, 26. Apr
Sa, 27. Apr	MESZ	22:20 – 00:38*	*2h 17m*	AN+ *bis* M↗		—:—	07:15	03:45	*48m*	04:34	*41m*	05:16	*36m*	05:52	*14h 20m*	20:12	*36m*	20:49	*42m*	21:31	*49m*	22:20	*9h 38m*	*5h 22m*				Sa, 27. Apr
So, 28. Apr	MESZ	22:23 – 01:37*	*3h 14m*	AN+ *bis* M↗		00:38	08:01	03:43	*49m*	04:32	*42m*	05:14	*36m*	05:51	*14h 23m*	20:14	*36m*	20:51	*42m*	21:33	*49m*	22:23	*9h 35m*	*5h 16m*				So, 28. Apr
Mo, 29. Apr	MESZ	22:25 – 02:24*	*3h 59m*	AN+ *bis* M↗		01:37	09:01	03:40	*49m*	04:30	*42m*	05:12	*36m*	05:49	*14h 26m*	20:15	*36m*	20:52	*42m*	21:35	*50m*	22:25	*9h 31m*	*5h 11m*				Mo, 29. Apr
Di, 30. Apr	MESZ	22:28 – 03:00*	*4h 32m*	AN+ *bis* M↗		02:24	10:14	03:37	*50m*	04:28	*42m*	05:10	*36m*	05:47	*14h 29m*	20:17	*37m*	20:54	*43m*	21:37	*50m*	22:28	*9h 28m*	*5h 06m*				Di, 30. Apr
Mi, 1. Mai	MESZ	22:30 – 03:27*	*4h 56m*	AN+ *bis* M↗	◑	03:00	11:34	03:35	*50m*	04:25	*43m*	05:09	*36m*	05:46	*14h 32m*	20:18	*37m*	20:55	*43m*	21:39	*51m*	22:30	*9h 25m*	*5h 01m*				Mi, 1. Mai
Do, 2. Mai	MESZ	22:33 – 03:29*	*4h 56m*	AN+ *bis* AN_		03:27	12:58	03:32	*51m*	04:23	*43m*	05:07	*37m*	05:44	*14h 35m*	20:19	*37m*	20:57	*43m*	21:41	*52m*	22:33	*9h 22m*	*4h 56m*				Do, 2. Mai
Fr, 3. Mai	MESZ	22:35 – 03:26*	*4h 51m*	AN+ *bis* AN_		03:49	14:21	03:29	*52m*	04:21	*43m*	05:05	*37m*	05:42	*14h 38m*	20:21	*37m*	20:58	*44m*	21:42	*52m*	22:35	*9h 19m*	*4h 51m*				Fr, 3. Mai
Sa, 4. Mai	MESZ	22:38 – 03:24*	*4h 46m*	AN+ *bis* AN_		04:07	15:45	03:26	*52m*	04:19	*44m*	05:03	*37m*	05:41	*14h 41m*	20:22	*37m*	21:00	*44m*	21:44	*53m*	22:38	*9h 16m*	*4h 46m*				Sa, 4. Mai
So, 5. Mai	MESZ	22:40 – 03:21*	*4h 40m*	AN+ *bis* AN_		04:24	17:08	03:24	*53m*	04:17	*44m*	05:02	*37m*	05:39	*14h 44m*	20:24	*37m*	21:01	*44m*	21:46	*54m*	22:40	*9h 14m*	*4h 40m*				So, 5. Mai
Mo, 6. Mai	MESZ	22:43 – 03:18*	*4h 35m*	AN+ *bis* AN_		04:41	18:33	03:21	*54m*	04:15	*44m*	05:00	*37m*	05:38	*14h 47m*	20:25	*38m*	21:03	*44m*	21:48	*54m*	22:43	*9h 11m*	*4h 35m*				Mo, 6. Mai
Di, 7. Mai	MESZ	22:45 – 03:16*	*4h 30m*	AN+ *bis* AN_		05:00	19:59	03:18	*54m*	04:13	*44m*	04:58	*38m*	05:36	*14h 50m*	20:26	*38m*	21:05	*45m*	21:50	*55m*	22:45	*9h 08m*	*4h 30m*				Di, 7. Mai
Mi, 8. Mai	MESZ	22:48 – 03:13*	*4h 24m*	AN+ *bis* AN_	●	05:24	21:26	03:16	*55m*	04:11	*45m*	04:56	*38m*	05:35	*14h 53m*	20:28	*38m*	21:06	*45m*	21:52	*56m*	22:48	*9h 05m*	*4h 24m*				Mi, 8. Mai
Do, 9. Mai	MESZ	22:51 – 03:10*	*4h 19m*	AN+ *bis* AN_		05:53	22:48	03:13	*56m*	04:09	*45m*	04:55	*38m*	05:33	*14h 55m*	20:29	*38m*	21:08	*45m*	21:54	*57m*	22:51	*9h 02m*	*4h 19m*				Do, 9. Mai
Fr, 10. Mai	MESZ	00:00* – 03:08*	*3h 07m*	M↘ *bis* AN_		06:33	—:—	03:10	*57m*	04:07	*45m*	04:53	*38m*	05:32	*14h 58m*	20:30	*38m*	21:09	*46m*	21:56	*57m*	22:53	*8h 59m*	*4h 14m*				Fr, 10. Mai
Sa, 11. Mai	MESZ	00:58* – 03:05*	*2h 07m*	M↘ *bis* AN_		07:25	00:00	03:08	*57m*	04:05	*46m*	04:52	*38m*	05:30	*15h 01m*	20:32	*38m*	21:11	*46m*	21:57	*58m*	22:56	*8h 57m*	*4h 08m*				Sa, 11. Mai
So, 12. Mai	MESZ	01:40* – 03:02*	*1h 21m*	M↘ *bis* AN_		08:28	00:58	03:05	*58m*	04:03	*46m*	04:50	*38m*	05:29	*15h 04m*	20:33	*39m*	21:12	*46m*	21:59	*59m*	22:59	*8h 54m*	*4h 03m*				So, 12. Mai
Mo, 13. Mai	MESZ	02:11* – 02:59*	*48m*	M↘ *bis* AN_		09:38	01:40	03:02	*59m*	04:02	*46m*	04:49	*39m*	05:28	*15h 06m*	20:34	*39m*	21:14	*47m*	22:01	*1h 00m*	23:01	*8h 51m*	*3h 58m*				Mo, 13. Mai
Di, 14. Mai	MESZ	02:34* – 02:57*	*22m*	M↘ *bis* AN_		10:51	02:11	02:59	*1h 00m*	04:00	*47m*	04:47	*39m*	05:26	*15h 09m*	20:36	*39m*	21:15	*47m*	22:03	*1h 01m*	23:04	*8h 49m*	*3h 52m*				Di, 14. Mai
Mi, 15. Mai	MESZ	02:52* – 02:54*	*1m*	M↘ *bis* AN_	◐	12:02	02:34	02:57	*1h 01m*	03:58	*47m*	04:46	*39m*	05:25	*15h 11m*	20:37	*39m*	21:17	*48m*	22:05	*1h 02m*	23:07	*8h 46m*	*3h 47m*				Mi, 15. Mai
Do, 16. Mai	MESZ	—:— – —:—	–	Mond stört		13:10	02:52	02:54	*1h 02m*	03:56	*48m*	04:44	*39m*	05:24	*15h 14m*	20:38	*39m*	21:18	*48m*	22:07	*1h 03m*	23:10	*8h 44m*	*3h 41m*				Do, 16. Mai
Fr, 17. Mai	MESZ	—:— – —:—	–	Mond stört		14:17	03:07	02:51	*1h 03m*	03:54	*48m*	04:43	*39m*	05:23	*15h 16m*	20:40	*40m*	21:20	*48m*	22:08	*1h 04m*	23:12	*8h 41m*	*3h 36m*				Fr, 17. Mai
Sa, 18. Mai	MESZ	—:— – —:—	–	Mond stört		15:23	03:20	02:49	*1h 04m*	03:53	*48m*	04:41	*40m*	05:21	*15h 19m*	20:41	*40m*	21:21	*49m*	22:10	*1h 05m*	23:15	*8h 39m*	*3h 30m*				Sa, 18. Mai
So, 19. Mai	MESZ	—:— – —:—	–	Mond stört		16:29	03:33	02:46	*1h 05m*	03:51	*49m*	04:40	*40m*	05:20	*15h 21m*	20:42	*40m*	21:22	*49m*	22:12	*1h 06m*	23:18	*8h 37m*	*3h 25m*				So, 19. Mai
Mo, 20. Mai	MESZ	—:— – —:—	–	Mond stört		17:37	03:47	02:43	*1h 06m*	03:49	*49m*	04:39	*40m*	05:19	*15h 23m*	20:43	*40m*	21:24	*49m*	22:14	*1h 07m*	23:21	*8h 34m*	*3h 19m*				Mo, 20. Mai
Di, 21. Mai	MESZ	—:— – —:—	–	Mond stört		18:47	04:02	02:41	*1h 07m*	03:48	*49m*	04:38	*40m*	05:18	*15h 26m*	20:44	*40m*	21:25	*50m*	22:15	*1h 08m*	23:24	*8h 32m*	*3h 14m*				Di, 21. Mai
Mi, 22. Mai	MESZ	—:— – —:—	–	Mond stört		20:01	04:20	02:38	*1h 08m*	03:46	*50m*	04:36	*40m*	05:17	*15h 28m*	20:46	*40m*	21:27	*50m*	22:17	*1h 09m*	23:26	*8h 30m*	*3h 08m*				Mi, 22. Mai
Do, 23. Mai	MESZ	—:— – —:—	–	Mond stört	○	21:15	04:43	02:35	*1h 09m*	03:45	*50m*	04:35	*40m*	05:16	*15h 30m*	20:47	*41m*	21:28	*50m*	22:19	*1h 10m*	23:29	*8h 28m*	*3h 03m*				Do, 23. Mai
Fr, 24. Mai	MESZ	—:— – —:—	–	Mond stört		22:27	05:14	02:33	*1h 10m*	03:43	*50m*	04:34	*41m*	05:15	*15h 32m*	20:48	*41m*	21:29	*51m*	22:20	*1h 11m*	23:32	*8h 26m*	*2h 57m*				Fr, 24. Mai
Sa, 25. Mai	MESZ	—:— – —:—	–	Mond stört		23:31	05:57	02:30	*1h 11m*	03:42	*51m*	04:33	*41m*	05:14	*15h 34m*	20:49	*41m*	21:30	*51m*	22:22	*1h 12m*	23:35	*8h 24m*	*2h 52m*				Sa, 25. Mai
So, 26. Mai	MESZ	23:38 – 00:23*	*44m*	AN+ *bis* M↗		—:—	06:54	02:27	*1h 12m*	03:40	*51m*	04:32	*41m*	05:13	*15h 36m*	20:50	*41m*	21:32	*51m*	22:24	*1h 14m*	23:38	*8h 22m*	*2h 46m*				So, 26. Mai
Mo, 27. Mai	MESZ	23:41 – 01:02*	*1h 21m*	AN+ *bis* M↗		00:23	08:04	02:25	*1h 14m*	03:39	*51m*	04:31	*41m*	05:12	*15h 38m*	20:51	*41m*	21:33	*52m*	22:25	*1h 15m*	23:41	*8h 20m*	*2h 41m*				Mo, 27. Mai
Di, 28. Mai	MESZ	23:44 – 01:31*	*1h 47m*	AN+ *bis* M↗		01:02	09:23	02:22	*1h 15m*	03:38	*52m*	04:30	*41m*	05:12	*15h 40m*	20:52	*41m*	21:34	*52m*	22:27	*1h 16m*	23:44	*8h 18m*	*2h 35m*				Di, 28. Mai
Mi, 29. Mai	MESZ	23:46 – 01:54*	*2h 07m*	AN+ *bis* M↗		01:31	10:46	02:19	*1h 16m*	03:36	*52m*	04:29	*41m*	05:11	*15h 42m*	20:53	*42m*	21:35	*52m*	22:28	*1h 18m*	23:46	*8h 16m*	*2h 30m*				Mi, 29. Mai

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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Do, 30. Mai	MESZ	23:49 – 02:13*	*2h 23m*	AN_+ *bis* $M_↗$	◑	01:54	12:08	02:17	*1h 18m*	03:35	*52m*	04:28	*42m*	05:10	*15h 44m*	20:54	*42m*	21:37	*53m*	22:30	*1h 19m*	23:49	*8h 15m*	*2h 25m*				Do, 30. Mai
Fr, 31. Mai	MESZ	23:52 – 02:12*	*2h 19m*	AN_+ *bis* AN_-		02:13	13:29	02:14	*1h 19m*	03:34	*53m*	04:27	*42m*	05:09	*15h 45m*	20:55	*42m*	21:38	*53m*	22:31	*1h 20m*	23:52	*8h 13m*	*2h 19m*				Fr, 31. Mai
Sa, 1. Jun	MESZ	23:55 – 02:09*	*2h 14m*	AN_+ *bis* AN_-		02:29	14:50	02:12	*1h 20m*	03:33	*53m*	04:26	*42m*	05:09	*15h 47m*	20:56	*42m*	21:39	*53m*	22:33	*1h 22m*	23:55	*8h 12m*	*2h 14m*				Sa, 1. Jun
So, 2. Jun	MESZ	23:58 – 02:07*	*2h 09m*	AN_+ *bis* AN_-		02:46	16:12	02:09	*1h 22m*	03:32	*53m*	04:26	*42m*	05:08	*15h 48m*	20:57	*42m*	21:40	*54m*	22:34	*1h 23m*	23:58	*8h 10m*	*2h 09m*				So, 2. Jun
Mo, 3. Jun	MESZ	00:01* – 02:04*	*2h 03m*	AN_+ *bis* AN_-		03:04	17:35	02:07	*1h 23m*	03:31	*54m*	04:25	*42m*	05:08	*15h 50m*	20:58	*42m*	21:41	*54m*	22:35	*1h 25m*	00:01*	*8h 09m*	*2h 03m*				Mo, 3. Jun
Di, 4. Jun	MESZ	00:03* – 02:02*	*1h 58m*	AN_+ *bis* AN_-		03:25	18:59	02:04	*1h 25m*	03:30	*54m*	04:24	*42m*	05:07	*15h 51m*	20:59	*43m*	21:42	*54m*	22:37	*1h 26m*	00:03*	*8h 07m*	*1h 58m*				Di, 4. Jun
Mi, 5. Jun	MESZ	00:06* – 02:00*	*1h 53m*	AN_+ *bis* AN_-		03:51	20:23	02:02	*1h 26m*	03:29	*54m*	04:24	*43m*	05:07	*15h 52m*	21:00	*43m*	21:43	*55m*	22:38	*1h 28m*	00:06*	*8h 06m*	*1h 53m*				Mi, 5. Jun
Do, 6. Jun	MESZ	00:09* – 01:57*	*1h 48m*	AN_+ *bis* AN_-	●	04:25	21:40	02:00	*1h 28m*	03:28	*55m*	04:23	*43m*	05:06	*15h 54m*	21:00	*43m*	21:44	*55m*	22:39	*1h 29m*	00:09*	*8h 05m*	*1h 48m*				Do, 6. Jun
Fr, 7. Jun	MESZ	00:11* – 01:55*	*1h 43m*	AN_+ *bis* AN_-		05:12	22:44	01:57	*1h 29m*	03:27	*55m*	04:23	*43m*	05:06	*15h 55m*	21:01	*43m*	21:44	*55m*	22:40	*1h 31m*	00:11*	*8h 04m*	*1h 43m*				Fr, 7. Jun
Sa, 8. Jun	MESZ	00:14* – 01:53*	*1h 39m*	AN_+ *bis* AN_-		06:10	23:33	01:55	*1h 31m*	03:27	*55m*	04:22	*43m*	05:05	*15h 56m*	21:02	*43m*	21:45	*55m*	22:41	*1h 32m*	00:14*	*8h 03m*	*1h 39m*				Sa, 8. Jun
So, 9. Jun	MESZ	00:16* – 01:51*	*1h 34m*	AN_+ *bis* AN_-		07:19	—:—	01:53	*1h 32m*	03:26	*55m*	04:22	*43m*	05:05	*15h 57m*	21:03	*43m*	21:46	*55m*	22:42	*1h 34m*	00:16*	*8h 02m*	*1h 34m*				So, 9. Jun
Mo, 10. Jun	MESZ	00:36* – 01:49*	*1h 13m*	$M_↘$ *bis* AN_-		08:32	00:09	01:51	*1h 34m*	03:25	*55m*	04:21	*43m*	05:05	*15h 58m*	21:03	*43m*	21:47	*56m*	22:43	*1h 35m*	00:19*	*8h 01m*	*1h 30m*				Mo, 10. Jun
Di, 11. Jun	MESZ	00:56* – 01:47*	*51m*	$M_↘$ *bis* AN_-		09:45	00:36	01:49	*1h 35m*	03:25	*56m*	04:21	*43m*	05:05	*15h 59m*	21:04	*43m*	21:47	*56m*	22:44	*1h 37m*	00:21*	*8h 00m*	*1h 26m*				Di, 11. Jun
Mi, 12. Jun	MESZ	01:12* – 01:45*	*33m*	$M_↘$ *bis* AN_-		10:55	00:56	01:47	*1h 37m*	03:24	*56m*	04:21	*43m*	05:04	*15h 59m*	21:04	*43m*	21:48	*56m*	22:45	*1h 38m*	00:23*	*8h 00m*	*1h 22m*				Mi, 12. Jun
Do, 13. Jun	MESZ	01:26* – 01:44*	*17m*	$M_↘$ *bis* AN_-		12:03	01:12	01:45	*1h 38m*	03:24	*56m*	04:21	*43m*	05:04	*16h 00m*	21:05	*43m*	21:49	*56m*	22:45	*1h 39m*	00:25*	*7h 59m*	*1h 18m*				Do, 13. Jun
Fr, 14. Jun	MESZ	01:39* – 01:43*	*3m*	$M_↘$ *bis* AN_-	◐	13:09	01:26	01:44	*1h 39m*	03:24	*56m*	04:20	*43m*	05:04	*16h 01m*	21:05	*43m*	21:49	*56m*	22:46	*1h 40m*	00:27*	*7h 58m*	*1h 15m*				Fr, 14. Jun
Sa, 15. Jun	MESZ	—:— – —:—	–	Mond stört		14:15	01:39	01:43	*1h 40m*	03:23	*56m*	04:20	*43m*	05:04	*16h 01m*	21:06	*43m*	21:50	*56m*	22:47	*1h 41m*	00:29*	*7h 58m*	*1h 12m*				Sa, 15. Jun
So, 16. Jun	MESZ	—:— – —:—	–	Mond stört		15:22	01:52	01:41	*1h 41m*	03:23	*56m*	04:20	*43m*	05:04	*16h 02m*	21:06	*43m*	21:50	*56m*	22:47	*1h 42m*	00:30*	*7h 58m*	*1h 10m*				So, 16. Jun
Mo, 17. Jun	MESZ	—:— – —:—	–	Mond stört		16:31	02:07	01:40	*1h 42m*	03:23	*56m*	04:20	*43m*	05:04	*16h 02m*	21:07	*44m*	21:51	*57m*	22:48	*1h 43m*	00:31*	*7h 57m*	*1h 08m*				Mo, 17. Jun
Di, 18. Jun	MESZ	—:— – —:—	–	Mond stört		17:43	02:23	01:40	*1h 43m*	03:23	*57m*	04:20	*44m*	05:04	*16h 02m*	21:07	*44m*	21:51	*57m*	22:48	*1h 44m*	00:32*	*7h 57m*	*1h 07m*				Di, 18. Jun
Mi, 19. Jun	MESZ	—:— – —:—	–	Mond stört		18:57	02:44	01:39	*1h 44m*	03:23	*57m*	04:20	*44m*	05:04	*16h 02m*	21:07	*44m*	21:51	*57m*	22:48	*1h 44m*	00:33*	*7h 57m*	*1h 06m*				Mi, 19. Jun
Do, 20. Jun	MESZ	—:— – —:—	–	Mond stört		20:11	03:12	01:39	*1h 44m*	03:23	*57m*	04:21	*44m*	05:05	*16h 02m*	21:07	*44m*	21:51	*57m*	22:49	*1h 44m*	00:33*	*7h 57m*	*1h 05m*				Do, 20. Jun
Fr, 21. Jun	MESZ	—:— – —:—	–	Mond stört		21:20	03:51	01:39	*1h 44m*	03:24	*57m*	04:21	*44m*	05:05	*16h 02m*	21:08	*44m*	21:52	*57m*	22:49	*1h 44m*	00:33*	*7h 57m*	*1h 06m*				Fr, 21. Jun
Sa, 22. Jun	MESZ	—:— – —:—	–	Mond stört	○	22:17	04:43	01:39	*1h 44m*	03:24	*57m*	04:21	*44m*	05:05	*16h 02m*	21:08	*44m*	21:52	*57m*	22:49	*1h 44m*	00:33*	*7h 57m*	*1h 07m*				Sa, 22. Jun
So, 23. Jun	MESZ	—:— – —:—	–	Mond stört		23:01	05:50	01:40	*1h 44m*	03:24	*57m*	04:21	*44m*	05:05	*16h 02m*	21:08	*44m*	21:52	*57m*	22:49	*1h 43m*	00:32*	*7h 57m*	*1h 08m*				So, 23. Jun
Mo, 24. Jun	MESZ	—:— – —:—	–	Mond stört		23:34	07:09	01:41	*1h 43m*	03:25	*57m*	04:22	*44m*	05:06	*16h 02m*	21:08	*43m*	21:52	*56m*	22:49	*1h 42m*	00:32*	*7h 58m*	*1h 10m*				Mo, 24. Jun
Di, 25. Jun	MESZ	—:— – —:—	–	Mond stört		23:59	08:32	01:42	*1h 42m*	03:25	*56m*	04:22	*43m*	05:06	*16h 01m*	21:08	*43m*	21:52	*56m*	22:49	*1h 41m*	00:31*	*7h 58m*	*1h 13m*				Di, 25. Jun
Mi, 26. Jun	MESZ	—:— – —:—	–	Mond stört		—:—	09:56	01:44	*1h 41m*	03:26	*56m*	04:23	*43m*	05:06	*16h 01m*	21:08	*43m*	21:52	*56m*	22:49	*1h 40m*	00:29*	*7h 58m*	*1h 16m*				Mi, 26. Jun
Do, 27. Jun	MESZ	00:28* – 00:36*	*7m*	AN_+ *bis* $M_↗$		00:19	11:19	01:45	*1h 40m*	03:26	*56m*	04:23	*43m*	05:07	*16h 00m*	21:08	*43m*	21:52	*56m*	22:48	*1h 39m*	00:28*	*7h 59m*	*1h 19m*				Do, 27. Jun
Fr, 28. Jun	MESZ	00:26* – 00:52*	*25m*	AN_+ *bis* $M_↗$	◑	00:36	12:39	01:47	*1h 39m*	03:27	*56m*	04:24	*43m*	05:07	*16h 00m*	21:08	*43m*	21:52	*56m*	22:48	*1h 38m*	00:26*	*8h 00m*	*1h 23m*				Fr, 28. Jun
Sa, 29. Jun	MESZ	00:25* – 01:09*	*44m*	AN_+ *bis* $M_↗$		00:52	13:59	01:49	*1h 38m*	03:28	*56m*	04:24	*43m*	05:08	*15h 59m*	21:08	*43m*	21:51	*56m*	22:48	*1h 36m*	00:25*	*8h 00m*	*1h 26m*				Sa, 29. Jun
So, 30. Jun	MESZ	00:23* – 01:28*	*1h 05m*	AN_+ *bis* $M_↗$		01:09	15:20	01:52	*1h 36m*	03:28	*56m*	04:25	*43m*	05:08	*15h 58m*	21:07	*43m*	21:51	*56m*	22:47	*1h 35m*	00:23*	*8h 01m*	*1h 31m*				So, 30. Jun
Mo, 1. Jul	MESZ	00:21* – 01:52*	*1h 31m*	AN_+ *bis* $M_↗$		01:28	16:43	01:54	*1h 35m*	03:29	*56m*	04:25	*43m*	05:09	*15h 58m*	21:07	*43m*	21:51	*55m*	22:47	*1h 34m*	00:21*	*8h 02m*	*1h 35m*				Mo, 1. Jul
Di, 2. Jul	MESZ	00:19* – 01:59*	*1h 39m*	AN_+ *bis* AN_-		01:52	18:05	01:56	*1h 34m*	03:30	*55m*	04:26	*43m*	05:10	*15h 57m*	21:07	*43m*	21:50	*55m*	22:46	*1h 32m*	00:19*	*8h 03m*	*1h 39m*				Di, 2. Jul
Mi, 3. Jul	MESZ	00:16* – 02:01*	*1h 44m*	AN_+ *bis* AN_-		02:23	19:23	01:59	*1h 32m*	03:31	*55m*	04:27	*43m*	05:10	*15h 56m*	21:07	*43m*	21:50	*55m*	22:45	*1h 31m*	00:16*	*8h 04m*	*1h 44m*				Mi, 3. Jul
Do, 4. Jul	MESZ	00:14* – 02:04*	*1h 49m*	AN_+ *bis* AN_-		03:03	20:31	02:01	*1h 31m*	03:32	*55m*	04:28	*43m*	05:11	*15h 55m*	21:06	*43m*	21:49	*55m*	22:45	*1h 29m*	00:14*	*8h 05m*	*1h 49m*				Do, 4. Jul
Fr, 5. Jul	MESZ	00:12* – 02:06*	*1h 54m*	AN_+ *bis* AN_-		03:57	21:26	02:04	*1h 29m*	03:33	*55m*	04:29	*43m*	05:12	*15h 53m*	21:06	*43m*	21:49	*54m*	22:44	*1h 28m*	00:12*	*8h 06m*	*1h 54m*				Fr, 5. Jul
Sa, 6. Jul	MESZ	00:10* – 02:09*	*1h 59m*	AN_+ *bis* AN_-	●	05:02	22:07	02:06	*1h 28m*	03:34	*54m*	04:29	*43m*	05:13	*15h 52m*	21:05	*42m*	21:48	*54m*	22:43	*1h 26m*	00:10*	*8h 08m*	*1h 59m*				Sa, 6. Jul
So, 7. Jul	MESZ	00:07* – 02:12*	*2h 04m*	AN_+ *bis* AN_-		06:13	22:37	02:09	*1h 26m*	03:36	*54m*	04:30	*42m*	05:13	*15h 51m*	21:05	*42m*	21:48	*54m*	22:42	*1h 25m*	00:07*	*8h 09m*	*2h 04m*				So, 7. Jul
Mo, 8. Jul	MESZ	00:05* – 02:15*	*2h 09m*	AN_+ *bis* AN_-		07:27	22:59	02:12	*1h 25m*	03:37	*54m*	04:31	*42m*	05:14	*15h 50m*	21:04	*42m*	21:47	*54m*	22:41	*1h 23m*	00:05*	*8h 10m*	*2h 09m*				Mo, 8. Jul
Di, 9. Jul	MESZ	00:02* – 02:17*	*2h 15m*	AN_+ *bis* AN_-		08:39	23:17	02:15	*1h 23m*	03:38	*54m*	04:32	*42m*	05:15	*15h 48m*	21:04	*42m*	21:46	*53m*	22:40	*1h 22m*	00:02*	*8h 12m*	*2h 15m*				Di, 9. Jul
Mi, 10. Jul	MESZ	00:00* – 02:20*	*2h 20m*	AN_+ *bis* AN_-		09:48	23:32	02:17	*1h 22m*	03:40	*53m*	04:33	*42m*	05:16	*15h 47m*	21:03	*42m*	21:45	*53m*	22:39	*1h 20m*	00:00*	*8h 13m*	*2h 20m*				Mi, 10. Jul
Do, 11. Jul	MESZ	23:57 – 02:23*	*2h 25m*	AN_+ *bis* AN_-		10:55	23:45	02:20	*1h 20m*	03:41	*53m*	04:34	*42m*	05:17	*15h 45m*	21:02	*42m*	21:45	*53m*	22:38	*1h 19m*	23:57	*8h 15m*	*2h 25m*				Do, 11. Jul
Fr, 12. Jul	MESZ	23:58 – 02:26*	*2h 28m*	$M_↘$ *bis* AN_-		12:01	23:58	02:23	*1h 19m*	03:42	*53m*	04:36	*42m*	05:18	*15h 43m*	21:02	*42m*	21:44	*52m*	22:37	*1h 17m*	23:55	*8h 17m*	*2h 31m*				Fr, 12. Jul
Sa, 13. Jul	MESZ	00:11* – 02:29*	*2h 17m*	$M_↘$ *bis* AN_-		13:07	—:—	02:26	*1h 17m*	03:44	*52m*	04:37	*42m*	05:19	*15h 42m*	21:01	*41m*	21:43	*52m*	22:35	*1h 16m*	23:52	*8h 18m*	*2h 36m*				Sa, 13. Jul
So, 14. Jul	MESZ	00:27* – 02:31*	*2h 04m*	$M_↘$ *bis* AN_-	◐	14:14	00:11	02:29	*1h 16m*	03:45	*52m*	04:38	*41m*	05:20	*15h 40m*	21:00	*41m*	21:42	*52m*	22:34	*1h 15m*	23:49	*8h 20m*	*2h 41m*				So, 14. Jul
Mo, 15. Jul	MESZ	00:45* – 02:34*	*1h 48m*	$M_↘$ *bis* AN_-		15:24	00:27	02:31	*1h 15m*	03:47	*52m*	04:39	*41m*	05:21	*15h 38m*	20:59	*41m*	21:41	*51m*	22:33	*1h 14m*	23:47	*8h 22m*	*2h 47m*				Mo, 15. Jul
Di, 16. Jul	MESZ	01:10* – 02:37*	*1h 27m*	$M_↘$ *bis* AN_-		16:37	00:45	02:34	*1h 14m*	03:48	*51m*	04:40	*41m*	05:22	*15h 36m*	20:58	*41m*	21:40	*51m*	22:31	*1h 12m*	23:44	*8h 24m*	*2h 52m*				Di, 16. Jul
Mi, 17. Jul	MESZ	01:43* – 02:40*	*57m*	$M_↘$ *bis* AN_-		17:51	01:10	02:37	*1h 12m*	03:50	*51m*	04:41	*41m*	05:23	*15h 34m*	20:57	*41m*	21:39	*51m*	22:30	*1h 11m*	23:42	*8h 26m*	*2h 58m*				Mi, 17. Jul
Do, 18. Jul	MESZ	02:29* – 02:43*	*14m*	$M_↘$ *bis* AN_-		19:02	01:43	02:40	*1h 11m*	03:52	*51m*	04:43	*41m*	05:24	*15h 32m*	20:57	*41m*	21:38	*50m*	22:28	*1h 10m*	23:39	*8h 28m*	*3h 03m*				Do, 18. Jul

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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Fr, 19. Jul	MESZ	—:——:—	–	Mond stört		20:05	02:29	02:43	*1h 10m*	03:53	*50m*	04:44	*41m*	05:25	*15h 30m*	20:56	*40m*	21:36	*50m*	22:27	*1h 09m*	23:36	*8h 30m*	*3h 09m*				Fr, 19. Jul
Sa, 20. Jul	MESZ	—:——:—	–	Mond stört		20:55	03:30	02:46	*1h 09m*	03:55	*50m*	04:45	*40m*	05:26	*15h 28m*	20:55	*40m*	21:35	*50m*	22:25	*1h 08m*	23:34	*8h 32m*	*3h 14m*				Sa, 20. Jul
So, 21. Jul	MESZ	—:——:—	–	Mond stört	○	21:33	04:46	02:48	*1h 08m*	03:56	*50m*	04:47	*40m*	05:27	*15h 26m*	20:53	*40m*	21:34	*49m*	22:24	*1h 07m*	23:31	*8h 35m*	*3h 20m*				So, 21. Jul
Mo, 22. Jul	MESZ	—:——:—	–	Mond stört		22:01	06:10	02:51	*1h 07m*	03:58	*49m*	04:48	*40m*	05:29	*15h 23m*	20:52	*40m*	21:33	*49m*	22:22	*1h 06m*	23:28	*8h 37m*	*3h 25m*				Mo, 22. Jul
Di, 23. Jul	MESZ	—:——:—	–	Mond stört		22:23	07:37	02:54	*1h 06m*	04:00	*49m*	04:49	*40m*	05:30	*15h 21m*	20:51	*40m*	21:31	*49m*	22:21	*1h 05m*	23:26	*8h 39m*	*3h 31m*				Di, 23. Jul
Mi, 24. Jul	MESZ	—:——:—	–	Mond stört		22:41	09:02	02:57	*1h 05m*	04:02	*49m*	04:51	*40m*	05:31	*15h 19m*	20:50	*40m*	21:30	*48m*	22:19	*1h 04m*	23:23	*8h 42m*	*3h 36m*				Mi, 24. Jul
Do, 25. Jul	MESZ	—:——:—	–	Mond stört		22:58	10:26	02:59	*1h 04m*	04:03	*48m*	04:52	*40m*	05:32	*15h 16m*	20:49	*39m*	21:29	*48m*	22:17	*1h 03m*	23:20	*8h 44m*	*3h 41m*				Do, 25. Jul
Fr, 26. Jul	MESZ	—:——:—	–	Mond stört		23:15	11:48	03:02	*1h 03m*	04:05	*48m*	04:53	*39m*	05:33	*15h 14m*	20:48	*39m*	21:27	*48m*	22:15	*1h 02m*	23:17	*8h 46m*	*3h 47m*				Fr, 26. Jul
Sa, 27. Jul	MESZ	23:15 – 23:34	*18m*	AN$_+$ *bis* M↗		23:34	13:09	03:05	*1h 02m*	04:07	*48m*	04:55	*39m*	05:35	*15h 11m*	20:46	*39m*	21:26	*47m*	22:13	*1h 01m*	23:15	*8h 49m*	*3h 52m*				Sa, 27. Jul
So, 28. Jul	MESZ	23:12 – 23:55	*43m*	AN$_+$ *bis* M↗	◑	23:55	14:31	03:07	*1h 01m*	04:09	*47m*	04:56	*39m*	05:36	*15h 09m*	20:45	*39m*	21:24	*47m*	22:12	*1h 00m*	23:12	*8h 52m*	*3h 58m*				So, 28. Jul
Mo, 29. Jul	MESZ	23:09 – 00:23*	*1h 14m*	AN$_+$ *bis* M↗		—:—	15:53	03:10	*1h 00m*	04:10	*47m*	04:58	*39m*	05:37	*15h 06m*	20:44	*39m*	21:23	*46m*	22:10	*59m*	23:09	*8h 54m*	*4h 03m*				Mo, 29. Jul
Di, 30. Jul	MESZ	23:07 – 01:00*	*1h 53m*	AN$_+$ *bis* M↗		00:23	17:12	03:13	*59m*	04:12	*46m*	04:59	*39m*	05:38	*15h 04m*	20:42	*38m*	21:21	*46m*	22:08	*58m*	23:07	*8h 57m*	*4h 08m*				Di, 30. Jul
Mi, 31. Jul	MESZ	23:04 – 01:49*	*2h 44m*	AN$_+$ *bis* M↗		01:00	18:23	03:15	*58m*	04:14	*46m*	05:01	*38m*	05:40	*15h 01m*	20:41	*38m*	21:20	*46m*	22:06	*57m*	23:04	*8h 59m*	*4h 14m*				Mi, 31. Jul
Do, 1. Aug	MESZ	23:01 – 02:49*	*3h 48m*	AN$_+$ *bis* M↗		01:49	19:21	03:18	*57m*	04:16	*46m*	05:02	*38m*	05:41	*14h 58m*	20:40	*38m*	21:18	*45m*	22:04	*57m*	23:01	*9h 02m*	*4h 19m*				Do, 1. Aug
Fr, 2. Aug	MESZ	22:58 – 03:23*	*4h 24m*	AN$_+$ *bis* AN$_-$		02:49	20:06	03:21	*57m*	04:18	*45m*	05:04	*38m*	05:42	*14h 55m*	20:38	*38m*	21:16	*45m*	22:02	*56m*	22:58	*9h 05m*	*4h 24m*				Fr, 2. Aug
Sa, 3. Aug	MESZ	22:56 – 03:26*	*4h 29m*	AN$_+$ *bis* AN$_-$		03:58	20:39	03:23	*56m*	04:19	*45m*	05:05	*38m*	05:43	*14h 53m*	20:37	*38m*	21:15	*45m*	22:00	*55m*	22:56	*9h 08m*	*4h 29m*				Sa, 3. Aug
So, 4. Aug	MESZ	22:53 – 03:28*	*4h 35m*	AN$_+$ *bis* AN$_-$	●	05:12	21:03	03:26	*55m*	04:21	*45m*	05:07	*38m*	05:45	*14h 50m*	20:35	*38m*	21:13	*44m*	21:58	*54m*	22:53	*9h 10m*	*4h 35m*				So, 4. Aug
Mo, 5. Aug	MESZ	22:50 – 03:31*	*4h 40m*	AN$_+$ *bis* AN$_-$		06:24	21:22	03:28	*54m*	04:23	*44m*	05:08	*38m*	05:46	*14h 47m*	20:34	*37m*	21:11	*44m*	21:56	*54m*	22:50	*9h 13m*	*4h 40m*				Mo, 5. Aug
Di, 6. Aug	MESZ	22:48 – 03:33*	*4h 45m*	AN$_+$ *bis* AN$_-$		07:35	21:38	03:31	*54m*	04:25	*44m*	05:10	*37m*	05:47	*14h 44m*	20:32	*37m*	21:10	*44m*	21:54	*53m*	22:48	*9h 16m*	*4h 45m*				Di, 6. Aug
Mi, 7. Aug	MESZ	22:45 – 03:36*	*4h 50m*	AN$_+$ *bis* AN$_-$		08:43	21:51	03:33	*53m*	04:27	*44m*	05:11	*37m*	05:49	*14h 41m*	20:30	*37m*	21:08	*44m*	21:52	*52m*	22:45	*9h 19m*	*4h 50m*				Mi, 7. Aug
Do, 8. Aug	MESZ	22:42 – 03:38*	*4h 55m*	AN$_+$ *bis* AN$_-$		09:49	22:04	03:36	*52m*	04:28	*44m*	05:13	*37m*	05:50	*14h 38m*	20:29	*37m*	21:06	*43m*	21:50	*52m*	22:42	*9h 22m*	*4h 55m*				Do, 8. Aug
Fr, 9. Aug	MESZ	22:39 – 03:40*	*5h 01m*	AN$_+$ *bis* AN$_-$		10:54	22:17	03:38	*52m*	04:30	*43m*	05:14	*37m*	05:51	*14h 35m*	20:27	*37m*	21:04	*43m*	21:48	*51m*	22:39	*9h 25m*	*5h 01m*				Fr, 9. Aug
Sa, 10. Aug	MESZ	22:37 – 03:43*	*5h 06m*	AN$_+$ *bis* AN$_-$		12:01	22:31	03:40	*51m*	04:32	*43m*	05:16	*37m*	05:53	*14h 32m*	20:26	*37m*	21:03	*43m*	21:46	*51m*	22:37	*9h 28m*	*5h 06m*				Sa, 10. Aug
So, 11. Aug	MESZ	22:48 – 03:45*	*4h 57m*	M↘ *bis* AN$_-$		13:09	22:48	03:43	*51m*	04:34	*43m*	05:17	*37m*	05:54	*14h 29m*	20:24	*36m*	21:01	*42m*	21:44	*50m*	22:34	*9h 31m*	*5h 11m*				So, 11. Aug
Mo, 12. Aug	MESZ	23:09 – 03:48*	*4h 38m*	M↘ *bis* AN$_-$	◐	14:20	23:09	03:45	*50m*	04:36	*42m*	05:19	*36m*	05:55	*14h 26m*	20:22	*36m*	20:59	*42m*	21:41	*49m*	22:31	*9h 34m*	*5h 16m*				Mo, 12. Aug
Di, 13. Aug	MESZ	23:37 – 03:50*	*4h 12m*	M↘ *bis* AN$_-$		15:32	23:37	03:48	*49m*	04:37	*42m*	05:20	*36m*	05:57	*14h 23m*	20:21	*36m*	20:57	*42m*	21:39	*49m*	22:29	*9h 37m*	*5h 21m*				Di, 13. Aug
Mi, 14. Aug	MESZ	00:16* – 03:52*	*3h 35m*	M↘ *bis* AN$_-$		16:44	—:—	03:50	*49m*	04:39	*42m*	05:22	*36m*	05:58	*14h 20m*	20:19	*36m*	20:55	*42m*	21:37	*48m*	22:26	*9h 40m*	*5h 26m*				Mi, 14. Aug
Do, 15. Aug	MESZ	01:10* – 03:54*	*2h 44m*	M↘ *bis* AN$_-$		17:50	00:16	03:52	*48m*	04:41	*42m*	05:23	*36m*	05:59	*14h 17m*	20:17	*36m*	20:53	*41m*	21:35	*48m*	22:23	*9h 43m*	*5h 31m*				Do, 15. Aug
Fr, 16. Aug	MESZ	02:18* – 03:57*	*1h 38m*	M↘ *bis* AN$_-$		18:45	01:10	03:54	*48m*	04:43	*41m*	05:25	*36m*	06:01	*14h 14m*	20:15	*36m*	20:51	*41m*	21:33	*47m*	22:21	*9h 46m*	*5h 36m*				Fr, 16. Aug
Sa, 17. Aug	MESZ	03:40* – 03:59*	*19m*	M↘ *bis* AN$_-$		19:28	02:18	03:57	*47m*	04:45	*41m*	05:26	*36m*	06:02	*14h 11m*	20:13	*35m*	20:49	*41m*	21:31	*47m*	22:18	*9h 50m*	*5h 40m*				Sa, 17. Aug
So, 18. Aug	MESZ	—:——:—	–	Mond stört		20:00	03:40	03:59	*47m*	04:46	*41m*	05:28	*35m*	06:04	*14h 08m*	20:12	*35m*	20:47	*41m*	21:28	*46m*	22:15	*9h 53m*	*5h 45m*				So, 18. Aug
Mo, 19. Aug	MESZ	—:——:—	–	Mond stört	○	20:25	05:07	04:01	*46m*	04:48	*41m*	05:29	*35m*	06:05	*14h 04m*	20:10	*35m*	20:45	*40m*	21:26	*46m*	22:13	*9h 56m*	*5h 50m*				Mo, 19. Aug
Di, 20. Aug	MESZ	—:——:—	–	Mond stört		20:45	06:35	04:03	*46m*	04:50	*40m*	05:31	*35m*	06:06	*14h 01m*	20:08	*35m*	20:43	*40m*	21:24	*46m*	22:10	*9h 59m*	*5h 55m*				Di, 20. Aug
Mi, 21. Aug	MESZ	—:——:—	–	Mond stört		21:03	08:02	04:05	*46m*	04:52	*40m*	05:32	*35m*	06:08	*13h 58m*	20:06	*35m*	20:41	*40m*	21:22	*45m*	22:07	*10h 02m*	*6h 00m*				Mi, 21. Aug
Do, 22. Aug	MESZ	—:——:—	–	Mond stört		21:20	09:27	04:08	*45m*	04:53	*40m*	05:34	*35m*	06:09	*13h 55m*	20:04	*35m*	20:39	*40m*	21:20	*45m*	22:05	*10h 06m*	*6h 04m*				Do, 22. Aug
Fr, 23. Aug	MESZ	—:——:—	–	Mond stört		21:38	10:52	04:10	*45m*	04:55	*40m*	05:35	*35m*	06:10	*13h 52m*	20:02	*35m*	20:37	*39m*	21:17	*44m*	22:02	*10h 09m*	*6h 09m*				Fr, 23. Aug
Sa, 24. Aug	MESZ	—:——:—	–	Mond stört		21:59	12:17	04:12	*44m*	04:57	*39m*	05:37	*35m*	06:12	*13h 48m*	20:00	*34m*	20:35	*39m*	21:15	*44m*	22:00	*10h 12m*	*6h 14m*				Sa, 24. Aug
So, 25. Aug	MESZ	21:57 – 22:25	*28m*	AN$_+$ *bis* M↗		22:25	13:41	04:14	*44m*	04:58	*39m*	05:38	*35m*	06:13	*13h 45m*	19:59	*34m*	20:33	*39m*	21:13	*44m*	21:57	*10h 15m*	*6h 19m*				So, 25. Aug
Mo, 26. Aug	MESZ	21:54 – 22:59	*1h 04m*	AN$_+$ *bis* M↗	◑	22:59	15:03	04:16	*44m*	05:00	*39m*	05:40	*34m*	06:14	*13h 42m*	19:57	*34m*	20:31	*39m*	21:11	*43m*	21:54	*10h 19m*	*6h 23m*				Mo, 26. Aug
Di, 27. Aug	MESZ	21:52 – 23:44	*1h 52m*	AN$_+$ *bis* M↗		23:44	16:17	04:18	*43m*	05:02	*39m*	05:41	*34m*	06:16	*13h 38m*	19:55	*34m*	20:29	*39m*	21:08	*43m*	21:52	*10h 22m*	*6h 28m*				Di, 27. Aug
Mi, 28. Aug	MESZ	21:49 – 00:41*	*2h 51m*	AN$_+$ *bis* M↗		—:—	17:19	04:20	*43m*	05:03	*39m*	05:42	*34m*	06:17	*13h 35m*	19:53	*34m*	20:27	*38m*	21:06	*43m*	21:49	*10h 25m*	*6h 32m*				Mi, 28. Aug
Do, 29. Aug	MESZ	21:47 – 01:48*	*4h 01m*	AN$_+$ *bis* M↗		00:41	18:07	04:22	*43m*	05:05	*38m*	05:44	*34m*	06:18	*13h 32m*	19:51	*34m*	20:25	*38m*	21:04	*42m*	21:47	*10h 29m*	*6h 37m*				Do, 29. Aug
Fr, 30. Aug	MESZ	21:44 – 03:00*	*5h 15m*	AN$_+$ *bis* M↗		01:48	18:42	04:24	*42m*	05:07	*38m*	05:45	*34m*	06:20	*13h 28m*	19:49	*34m*	20:23	*38m*	21:02	*42m*	21:44	*10h 32m*	*6h 41m*				Fr, 30. Aug
Sa, 31. Aug	MESZ	21:41 – 04:12*	*6h 30m*	AN$_+$ *bis* M↗		03:00	19:09	04:26	*42m*	05:08	*38m*	05:47	*34m*	06:21	*13h 25m*	19:47	*34m*	20:21	*38m*	20:59	*42m*	21:41	*10h 35m*	*6h 46m*				Sa, 31. Aug
So, 1. Sep	MESZ	21:39 – 04:30*	*6h 50m*	AN$_+$ *bis* AN$_-$		04:12	19:29	04:28	*42m*	05:10	*38m*	05:48	*34m*	06:23	*13h 22m*	19:45	*34m*	20:19	*38m*	20:57	*41m*	21:39	*10h 39m*	*6h 50m*				So, 1. Sep
Mo, 2. Sep	MESZ	21:36 – 04:32*	*6h 55m*	AN$_+$ *bis* AN$_-$		05:23	19:45	04:30	*41m*	05:12	*38m*	05:50	*34m*	06:24	*13h 18m*	19:43	*33m*	20:17	*37m*	20:55	*41m*	21:36	*10h 42m*	*6h 55m*				Mo, 2. Sep
Di, 3. Sep	MESZ	21:34 – 04:34*	*6h 59m*	AN$_+$ *bis* AN$_-$	●	06:32	19:59	04:32	*41m*	05:13	*38m*	05:51	*34m*	06:25	*13h 15m*	19:41	*33m*	20:15	*37m*	20:53	*41m*	21:34	*10h 45m*	*6h 59m*				Di, 3. Sep
Mi, 4. Sep	MESZ	21:31 – 04:35*	*7h 04m*	AN$_+$ *bis* AN$_-$		07:38	20:11	04:34	*41m*	05:15	*37m*	05:53	*33m*	06:27	*13h 12m*	19:39	*33m*	20:13	*37m*	20:50	*40m*	21:31	*10h 49m*	*7h 04m*				Mi, 4. Sep
Do, 5. Sep	MESZ	21:29 – 04:37*	*7h 08m*	AN$_+$ *bis* AN$_-$		08:44	20:24	04:35	*40m*	05:16	*37m*	05:54	*33m*	06:28	*13h 08m*	19:37	*33m*	20:11	*37m*	20:48	*40m*	21:29	*10h 52m*	*7h 08m*				Do, 5. Sep
Fr, 6. Sep	MESZ	21:26 – 04:39*	*7h 12m*	AN$_+$ *bis* AN$_-$		09:50	20:38	04:37	*40m*	05:18	*37m*	05:56	*33m*	06:29	*13h 05m*	19:35	*33m*	20:08	*37m*	20:46	*40m*	21:26	*10h 55m*	*7h 12m*				Fr, 6. Sep

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
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↑	↓	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↑	Δt	↓	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Sa, 7. Sep	MESZ	21:24 – 04:41*	*7h 17m*	AN_+ *bis* AN_-		10:57	20:53	04:39	*40m*	05:20	*37m*	05:57	*33m*	06:31	*13h 02m*	19:33	*33m*	20:06	*37m*	20:43	*40m*	21:24	*10h 59m*	*7h 17m*				Sa, 7. Sep
So, 8. Sep	MESZ	21:21 – 04:43*	*7h 21m*	AN_+ *bis* AN_-		12:07	21:12	04:41	*40m*	05:21	*37m*	05:58	*33m*	06:32	*12h 58m*	19:31	*33m*	20:04	*37m*	20:41	*39m*	21:21	*11h 02m*	*7h 21m*				So, 8. Sep
Mo, 9. Sep	MESZ	21:37 – 04:44*	*7h 07m*	$M_↘$ *bis* AN_-		13:18	21:37	04:43	*40m*	05:23	*37m*	06:00	*33m*	06:33	*12h 55m*	19:29	*33m*	20:02	*36m*	20:39	*39m*	21:19	*11h 06m*	*7h 25m*				Mo, 9. Sep
Di, 10. Sep	MESZ	22:10 – 04:46*	*6h 36m*	$M_↘$ *bis* AN_-		14:29	22:10	04:44	*39m*	05:24	*36m*	06:01	*33m*	06:35	*12h 51m*	19:27	*33m*	20:00	*36m*	20:37	*39m*	21:16	*11h 09m*	*7h 29m*				Di, 10. Sep
Mi, 11. Sep	MESZ	22:56 – 04:48*	*5h 52m*	$M_↘$ *bis* AN_-	◐	15:36	22:56	04:46	*39m*	05:26	*36m*	06:03	*33m*	06:36	*12h 48m*	19:25	*33m*	19:58	*36m*	20:35	*39m*	21:14	*11h 12m*	*7h 34m*				Mi, 11. Sep
Do, 12. Sep	MESZ	23:56 – 04:50*	*4h 53m*	$M_↘$ *bis* AN_-		16:34	23:56	04:48	*39m*	05:27	*36m*	06:04	*33m*	06:37	*12h 44m*	19:22	*33m*	19:56	*36m*	20:32	*39m*	21:11	*11h 16m*	*7h 38m*				Do, 12. Sep
Fr, 13. Sep	MESZ	01:10* – 04:51*	*3h 41m*	$M_↘$ *bis* AN_-		17:22	—:—	04:50	*39m*	05:29	*36m*	06:06	*33m*	06:39	*12h 41m*	19:20	*33m*	19:54	*36m*	20:30	*38m*	21:09	*11h 19m*	*7h 42m*				Fr, 13. Sep
Sa, 14. Sep	MESZ	02:33* – 04:53*	*2h 19m*	$M_↘$ *bis* AN_-		17:57	01:10	04:51	*38m*	05:30	*36m*	06:07	*33m*	06:40	*12h 38m*	19:18	*33m*	19:51	*36m*	20:28	*38m*	21:07	*11h 23m*	*7h 46m*				Sa, 14. Sep
So, 15. Sep	MESZ	04:01* – 04:55*	*54m*	$M_↘$ *bis* AN_-		18:25	02:33	04:53	*38m*	05:32	*36m*	06:08	*33m*	06:42	*12h 34m*	19:16	*33m*	19:49	*36m*	20:26	*38m*	21:04	*11h 26m*	*7h 50m*				So, 15. Sep
Mo, 16. Sep	MESZ	—:— – —:—	–	Mond stört		18:47	04:01	04:55	*38m*	05:33	*36m*	06:10	*33m*	06:43	*12h 31m*	19:14	*33m*	19:47	*36m*	20:23	*38m*	21:02	*11h 30m*	*7h 54m*				Mo, 16. Sep
Di, 17. Sep	MESZ	—:— – —:—	–	Mond stört		19:06	05:28	04:56	*38m*	05:35	*36m*	06:11	*33m*	06:44	*12h 27m*	19:12	*32m*	19:45	*36m*	20:21	*38m*	20:59	*11h 33m*	*7h 58m*				Di, 17. Sep
Mi, 18. Sep	MESZ	—:— – —:—	–	Mond stört	○	19:23	06:56	04:58	*38m*	05:36	*36m*	06:13	*33m*	06:46	*12h 24m*	19:10	*32m*	19:43	*35m*	20:19	*38m*	20:57	*11h 36m*	*8h 02m*				Mi, 18. Sep
Do, 19. Sep	MESZ	—:— – —:—	–	Mond stört		19:41	08:23	05:00	*38m*	05:38	*36m*	06:14	*33m*	06:47	*12h 20m*	19:08	*32m*	19:41	*35m*	20:17	*37m*	20:55	*11h 40m*	*8h 06m*				Do, 19. Sep
Fr, 20. Sep	MESZ	—:— – —:—	–	Mond stört		20:01	09:50	05:01	*37m*	05:39	*35m*	06:15	*32m*	06:48	*12h 17m*	19:06	*32m*	19:39	*35m*	20:15	*37m*	20:52	*11h 43m*	*8h 10m*				Fr, 20. Sep
Sa, 21. Sep	MESZ	—:— – —:—	–	Mond stört		20:26	11:19	05:03	*37m*	05:41	*35m*	06:17	*32m*	06:50	*12h 14m*	19:04	*32m*	19:37	*35m*	20:12	*37m*	20:50	*11h 47m*	*8h 14m*				Sa, 21. Sep
So, 22. Sep	MESZ	20:48 – 20:57	*9m*	AN_+ *bis* $M_↗$		20:57	12:45	05:05	*37m*	05:42	*35m*	06:18	*32m*	06:51	*12h 10m*	19:02	*32m*	19:35	*35m*	20:10	*37m*	20:48	*11h 50m*	*8h 18m*				So, 22. Sep
Mo, 23. Sep	MESZ	20:45 – 21:39	*53m*	AN_+ *bis* $M_↗$		21:39	14:05	05:06	*37m*	05:44	*35m*	06:20	*32m*	06:52	*12h 07m*	19:00	*32m*	19:32	*35m*	20:08	*37m*	20:45	*11h 54m*	*8h 22m*				Mo, 23. Sep
Di, 24. Sep	MESZ	20:43 – 22:33	*1h 50m*	AN_+ *bis* $M_↗$	◑	22:33	15:13	05:08	*37m*	05:45	*35m*	06:21	*32m*	06:54	*12h 03m*	18:58	*32m*	19:30	*35m*	20:06	*37m*	20:43	*11h 57m*	*8h 26m*				Di, 24. Sep
Mi, 25. Sep	MESZ	20:41 – 23:38	*2h 57m*	AN_+ *bis* $M_↗$		23:38	16:07	05:09	*37m*	05:47	*35m*	06:22	*32m*	06:55	*12h 00m*	18:56	*32m*	19:28	*35m*	20:04	*37m*	20:41	*12h 01m*	*8h 30m*				Mi, 25. Sep
Do, 26. Sep	MESZ	20:39 – 00:49*	*4h 10m*	AN_+ *bis* $M_↗$		—:—	16:46	05:11	*37m*	05:48	*35m*	06:24	*32m*	06:57	*11h 56m*	18:53	*32m*	19:26	*35m*	20:02	*37m*	20:39	*12h 04m*	*8h 33m*				Do, 26. Sep
Fr, 27. Sep	MESZ	20:36 – 02:02*	*5h 25m*	AN_+ *bis* $M_↗$		00:49	17:14	05:13	*37m*	05:50	*35m*	06:25	*32m*	06:58	*11h 53m*	18:51	*32m*	19:24	*35m*	20:00	*36m*	20:36	*12h 07m*	*8h 37m*				Fr, 27. Sep
Sa, 28. Sep	MESZ	20:34 – 03:13*	*6h 39m*	AN_+ *bis* $M_↗$		02:02	17:36	05:14	*36m*	05:51	*35m*	06:27	*32m*	06:59	*11h 49m*	18:49	*32m*	19:22	*35m*	19:57	*36m*	20:34	*12h 11m*	*8h 41m*				Sa, 28. Sep
So, 29. Sep	MESZ	20:32 – 04:22*	*7h 50m*	AN_+ *bis* $M_↗$		03:13	17:53	05:16	*36m*	05:53	*35m*	06:28	*32m*	07:01	*11h 46m*	18:47	*32m*	19:20	*35m*	19:55	*36m*	20:32	*12h 14m*	*8h 45m*				So, 29. Sep
Mo, 30. Sep	MESZ	20:30 – 05:19*	*8h 48m*	AN_+ *bis* AN_-		04:22	18:07	05:17	*36m*	05:54	*35m*	06:29	*32m*	07:02	*11h 43m*	18:45	*32m*	19:18	*35m*	19:53	*36m*	20:30	*12h 18m*	*8h 48m*				Mo, 30. Sep
Di, 1. Okt	MESZ	20:28 – 05:20*	*8h 52m*	AN_+ *bis* AN_-		05:29	18:20	05:19	*36m*	05:55	*35m*	06:31	*32m*	07:04	*11h 39m*	18:43	*32m*	19:16	*35m*	19:51	*36m*	20:28	*12h 21m*	*8h 52m*				Di, 1. Okt
Mi, 2. Okt	MESZ	20:26 – 05:22*	*8h 56m*	AN_+ *bis* AN_-	●	06:35	18:32	05:20	*36m*	05:57	*35m*	06:32	*32m*	07:05	*11h 36m*	18:41	*32m*	19:14	*35m*	19:49	*36m*	20:26	*12h 25m*	*8h 56m*				Mi, 2. Okt
Do, 3. Okt	MESZ	20:24 – 05:23*	*8h 59m*	AN_+ *bis* AN_-		07:41	18:46	05:22	*36m*	05:58	*35m*	06:34	*32m*	07:06	*11h 32m*	18:39	*32m*	19:12	*35m*	19:47	*36m*	20:24	*12h 28m*	*8h 59m*				Do, 3. Okt
Fr, 4. Okt	MESZ	20:21 – 05:25*	*9h 03m*	AN_+ *bis* AN_-		08:48	19:00	05:23	*36m*	06:00	*35m*	06:35	*32m*	07:08	*11h 29m*	18:37	*32m*	19:10	*35m*	19:45	*36m*	20:21	*12h 32m*	*9h 03m*				Fr, 4. Okt
Sa, 5. Okt	MESZ	20:19 – 05:26*	*9h 06m*	AN_+ *bis* AN_-		09:56	19:18	05:25	*36m*	06:01	*35m*	06:36	*32m*	07:09	*11h 25m*	18:35	*32m*	19:08	*35m*	19:43	*36m*	20:19	*12h 35m*	*9h 06m*				Sa, 5. Okt
So, 6. Okt	MESZ	20:17 – 05:28*	*9h 10m*	AN_+ *bis* AN_-		11:07	19:40	05:26	*36m*	06:03	*35m*	06:38	*32m*	07:11	*11h 22m*	18:33	*32m*	19:06	*35m*	19:41	*36m*	20:17	*12h 38m*	*9h 10m*				So, 6. Okt
Mo, 7. Okt	MESZ	20:15 – 05:29*	*9h 13m*	AN_+ *bis* AN_-		12:18	20:10	05:28	*36m*	06:04	*35m*	06:39	*32m*	07:12	*11h 19m*	18:31	*32m*	19:04	*35m*	19:39	*36m*	20:15	*12h 42m*	*9h 13m*				Mo, 7. Okt
Di, 8. Okt	MESZ	20:50 – 05:31*	*8h 40m*	$M_↘$ *bis* AN_-		13:26	20:50	05:29	*36m*	06:05	*35m*	06:41	*32m*	07:13	*11h 15m*	18:29	*32m*	19:02	*35m*	19:37	*36m*	20:13	*12h 45m*	*9h 17m*				Di, 8. Okt
Mi, 9. Okt	MESZ	21:44 – 05:32*	*7h 48m*	$M_↘$ *bis* AN_-		14:26	21:44	05:31	*36m*	06:07	*35m*	06:42	*32m*	07:15	*11h 12m*	18:27	*32m*	19:00	*35m*	19:35	*36m*	20:11	*12h 49m*	*9h 20m*				Mi, 9. Okt
Do, 10. Okt	MESZ	22:51 – 05:33*	*6h 42m*	$M_↘$ *bis* AN_-	◐	15:16	22:51	05:32	*36m*	06:08	*35m*	06:43	*33m*	07:16	*11h 08m*	18:25	*32m*	18:58	*35m*	19:33	*36m*	20:09	*12h 52m*	*9h 24m*				Do, 10. Okt
Fr, 11. Okt	MESZ	00:08* – 05:35*	*5h 26m*	$M_↘$ *bis* AN_-		15:55	—:—	05:33	*36m*	06:10	*35m*	06:45	*33m*	07:18	*11h 05m*	18:23	*33m*	18:56	*35m*	19:31	*35m*	20:07	*12h 56m*	*9h 27m*				Fr, 11. Okt
Sa, 12. Okt	MESZ	01:31* – 05:36*	*4h 05m*	$M_↘$ *bis* AN_-		16:25	00:08	05:35	*36m*	06:11	*35m*	06:46	*33m*	07:19	*11h 02m*	18:21	*33m*	18:54	*35m*	19:29	*35m*	20:05	*12h 59m*	*9h 30m*				Sa, 12. Okt
So, 13. Okt	MESZ	02:56* – 05:38*	*2h 42m*	$M_↘$ *bis* AN_-		16:48	01:31	05:36	*36m*	06:12	*35m*	06:48	*33m*	07:21	*10h 58m*	18:19	*33m*	18:52	*35m*	19:28	*35m*	20:03	*13h 02m*	*9h 34m*				So, 13. Okt
Mo, 14. Okt	MESZ	04:21* – 05:39*	*1h 18m*	$M_↘$ *bis* AN_-		17:08	02:56	05:38	*35m*	06:14	*35m*	06:49	*33m*	07:22	*10h 55m*	18:17	*33m*	18:51	*35m*	19:26	*35m*	20:02	*13h 06m*	*9h 37m*				Mo, 14. Okt
Di, 15. Okt	MESZ	—:— – —:—	–	Mond stört		17:25	04:21	05:39	*35m*	06:15	*35m*	06:50	*33m*	07:24	*10h 51m*	18:16	*33m*	18:49	*35m*	19:24	*35m*	20:00	*13h 09m*	*9h 40m*				Di, 15. Okt
Mi, 16. Okt	MESZ	—:— – —:—	–	Mond stört		17:43	05:47	05:41	*35m*	06:17	*35m*	06:52	*33m*	07:25	*10h 48m*	18:14	*33m*	18:47	*35m*	19:22	*35m*	19:58	*13h 12m*	*9h 44m*				Mi, 16. Okt
Do, 17. Okt	MESZ	—:— – —:—	–	Mond stört	○	18:02	07:15	05:42	*35m*	06:18	*35m*	06:53	*33m*	07:27	*10h 45m*	18:12	*33m*	18:45	*35m*	19:20	*35m*	19:56	*13h 16m*	*9h 47m*				Do, 17. Okt
Fr, 18. Okt	MESZ	—:— – —:—	–	Mond stört		18:24	08:44	05:43	*35m*	06:19	*35m*	06:55	*33m*	07:28	*10h 41m*	18:10	*33m*	18:43	*35m*	19:19	*35m*	19:54	*13h 19m*	*9h 50m*				Fr, 18. Okt
Sa, 19. Okt	MESZ	—:— – —:—	–	Mond stört		18:53	10:14	05:45	*35m*	06:21	*35m*	06:56	*33m*	07:30	*10h 38m*	18:08	*33m*	18:41	*35m*	19:17	*35m*	19:53	*13h 22m*	*9h 53m*				Sa, 19. Okt
So, 20. Okt	MESZ	—:— – —:—	–	Mond stört		19:31	11:41	05:46	*35m*	06:22	*35m*	06:57	*33m*	07:31	*10h 35m*	18:06	*33m*	18:40	*35m*	19:15	*35m*	19:51	*13h 26m*	*9h 56m*				So, 20. Okt
Mo, 21. Okt	MESZ	19:49 – 20:22	*33m*	AN_+ *bis* $M_↗$		20:22	12:58	05:48	*35m*	06:24	*35m*	06:59	*33m*	07:33	*10h 31m*	18:04	*33m*	18:38	*35m*	19:13	*35m*	19:49	*13h 29m*	*9h 59m*				Mo, 21. Okt
Di, 22. Okt	MESZ	19:47 – 21:25	*1h 37m*	AN_+ *bis* $M_↗$		21:25	13:59	05:49	*35m*	06:25	*35m*	07:00	*33m*	07:34	*10h 28m*	18:03	*33m*	18:36	*35m*	19:12	*35m*	19:47	*13h 32m*	*10h 03m*				Di, 22. Okt
Mi, 23. Okt	MESZ	19:46 – 22:36	*2h 50m*	AN_+ *bis* $M_↗$		22:36	14:45	05:50	*35m*	06:26	*35m*	07:02	*33m*	07:36	*10h 25m*	18:01	*33m*	18:35	*35m*	19:10	*35m*	19:46	*13h 36m*	*10h 06m*				Mi, 23. Okt
Do, 24. Okt	MESZ	19:44 – 23:50	*4h 06m*	AN_+ *bis* $M_↗$	◑	23:50	15:17	05:52	*35m*	06:28	*35m*	07:03	*33m*	07:37	*10h 22m*	17:59	*33m*	18:33	*35m*	19:08	*35m*	19:44	*13h 39m*	*10h 09m*				Do, 24. Okt
Fr, 25. Okt	MESZ	19:43 – 01:03*	*5h 20m*	AN_+ *bis* $M_↗$		—:—	15:41	05:53	*35m*	06:29	*35m*	07:05	*33m*	07:39	*10h 18m*	17:57	*33m*	18:31	*35m*	19:07	*35m*	19:43	*13h 42m*	*10h 12m*				Fr, 25. Okt
Sa, 26. Okt	MESZ	19:41 – 02:12*	*6h 31m*	AN_+ *bis* $M_↗$		01:03	16:00	05:55	*35m*	06:30	*35m*	07:06	*33m*	07:40	*10h 15m*	17:56	*33m*	18:30	*35m*	19:05	*35m*	19:41	*13h 45m*	*10h 15m*				Sa, 26. Okt

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
2024	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
So, 27. Okt		18:39 – 02:20*	*7h 40m*	AN$_+$ *bis* M↗		01:12	15:15	04:56	*35m*	05:32	*35m*	06:08	*34m*	06:42	*10h 12m*	16:54	*34m*	17:28	*35m*	18:04	*35m*	18:39	*13h 49m*	*10h 17m*				So, 27. Okt
Mo, 28. Okt		18:38 – 03:26*	*8h 47m*	AN$_+$ *bis* M↗		02:20	15:28	04:57	*35m*	05:33	*35m*	06:09	*34m*	06:43	*10h 09m*	16:52	*34m*	17:26	*35m*	18:02	*35m*	18:38	*13h 52m*	*10h 20m*				Mo, 28. Okt
Di, 29. Okt		18:36 – 04:31*	*9h 54m*	AN$_+$ *bis* M↗		03:26	15:41	04:59	*35m*	05:35	*35m*	06:10	*34m*	06:45	*10h 06m*	16:51	*34m*	17:25	*35m*	18:01	*35m*	18:36	*13h 55m*	*10h 23m*				Di, 29. Okt
Mi, 30. Okt		18:35 – 05:01*	*10h 26m*	AN$_+$ *bis* AN$_-$		04:31	15:54	05:00	*35m*	05:36	*35m*	06:12	*34m*	06:46	*10h 02m*	16:49	*34m*	17:23	*35m*	17:59	*35m*	18:35	*13h 58m*	*10h 26m*				Mi, 30. Okt
Do, 31. Okt		18:34 – 05:03*	*10h 29m*	AN$_+$ *bis* AN$_-$		05:38	16:08	05:01	*35m*	05:37	*35m*	06:13	*34m*	06:48	*9h 59m*	16:47	*34m*	17:22	*35m*	17:58	*35m*	18:34	*14h 01m*	*10h 29m*				Do, 31. Okt
Fr, 1. Nov		18:32 – 05:04*	*10h 31m*	AN$_+$ *bis* AN$_-$	●	06:46	16:25	05:03	*36m*	05:39	*35m*	06:15	*34m*	06:49	*9h 56m*	16:46	*34m*	17:20	*35m*	17:56	*35m*	18:32	*14h 04m*	*10h 31m*				Fr, 1. Nov
Sa, 2. Nov		18:31 – 05:05*	*10h 34m*	AN$_+$ *bis* AN$_-$		07:56	16:46	05:04	*36m*	05:40	*35m*	06:16	*34m*	06:51	*9h 53m*	16:44	*34m*	17:19	*35m*	17:55	*35m*	18:31	*14h 07m*	*10h 34m*				Sa, 2. Nov
So, 3. Nov		18:29 – 05:07*	*10h 37m*	AN$_+$ *bis* AN$_-$		09:08	17:13	05:05	*36m*	05:42	*36m*	06:18	*34m*	06:52	*9h 50m*	16:43	*34m*	17:17	*35m*	17:53	*36m*	18:29	*14h 10m*	*10h 37m*				So, 3. Nov
Mo, 4. Nov		18:28 – 05:08*	*10h 39m*	AN$_+$ *bis* AN$_-$		10:17	17:50	05:07	*36m*	05:43	*36m*	06:19	*34m*	06:54	*9h 47m*	16:41	*34m*	17:16	*36m*	17:52	*36m*	18:28	*14h 14m*	*10h 39m*				Mo, 4. Nov
Di, 5. Nov		18:39 – 05:09*	*10h 30m*	M↘ *bis* AN$_-$		11:20	18:39	05:08	*36m*	05:44	*36m*	06:20	*34m*	06:55	*9h 44m*	16:40	*34m*	17:15	*36m*	17:51	*36m*	18:27	*14h 17m*	*10h 42m*				Di, 5. Nov
Mi, 6. Nov		19:41 – 05:11*	*9h 29m*	M↘ *bis* AN$_-$		12:14	19:41	05:09	*36m*	05:46	*36m*	06:22	*34m*	06:57	*9h 41m*	16:38	*34m*	17:13	*36m*	17:50	*36m*	18:26	*14h 19m*	*10h 45m*				Mi, 6. Nov
Do, 7. Nov		20:54 – 05:12*	*8h 17m*	M↘ *bis* AN$_-$		12:55	20:54	05:11	*36m*	05:47	*36m*	06:23	*35m*	06:58	*9h 38m*	16:37	*35m*	17:12	*36m*	17:48	*36m*	18:24	*14h 22m*	*10h 47m*				Do, 7. Nov
Fr, 8. Nov		22:13 – 05:13*	*7h 00m*	M↘ *bis* AN$_-$		13:27	22:13	05:12	*36m*	05:48	*36m*	06:25	*35m*	07:00	*9h 35m*	16:36	*35m*	17:11	*36m*	17:47	*36m*	18:23	*14h 25m*	*10h 50m*				Fr, 8. Nov
Sa, 9. Nov		23:34 – 05:15*	*5h 40m*	M↘ *bis* AN$_-$	◐	13:51	23:34	05:13	*36m*	05:50	*36m*	06:26	*35m*	07:01	*9h 32m*	16:34	*35m*	17:10	*36m*	17:46	*36m*	18:22	*14h 28m*	*10h 52m*				Sa, 9. Nov
So, 10. Nov		00:56* – 05:16*	*4h 20m*	M↘ *bis* AN$_-$		14:11	—:—	05:15	*36m*	05:51	*36m*	06:28	*35m*	07:03	*9h 29m*	16:33	*35m*	17:08	*36m*	17:45	*36m*	18:21	*14h 31m*	*10h 54m*				So, 10. Nov
Mo, 11. Nov		02:18* – 05:17*	*2h 59m*	M↘ *bis* AN$_-$		14:29	00:56	05:16	*36m*	05:52	*36m*	06:29	*35m*	07:05	*9h 27m*	16:32	*35m*	17:07	*36m*	17:44	*36m*	18:20	*14h 34m*	*10h 57m*				Mo, 11. Nov
Di, 12. Nov		03:42* – 05:19*	*1h 36m*	M↘ *bis* AN$_-$		14:45	02:18	05:17	*36m*	05:54	*36m*	06:30	*35m*	07:06	*9h 24m*	16:30	*35m*	17:06	*36m*	17:43	*36m*	18:19	*14h 37m*	*10h 59m*				Di, 12. Nov
Mi, 13. Nov		05:08* – 05:20*	*11m*	M↘ *bis* AN$_-$		15:03	03:42	05:19	*36m*	05:55	*36m*	06:32	*35m*	07:08	*9h 21m*	16:29	*35m*	17:05	*36m*	17:42	*36m*	18:18	*14h 39m*	*11h 01m*				Mi, 13. Nov
Do, 14. Nov		—:— – —:—	–	Mond stört		15:23	05:08	05:20	*36m*	05:56	*36m*	06:33	*35m*	07:09	*9h 18m*	16:28	*35m*	17:04	*36m*	17:41	*36m*	18:17	*14h 42m*	*11h 04m*				Do, 14. Nov
Fr, 15. Nov		—:— – —:—	–	Mond stört	○	15:48	06:37	05:21	*36m*	05:58	*36m*	06:35	*35m*	07:11	*9h 16m*	16:27	*35m*	17:03	*36m*	17:40	*36m*	18:16	*14h 45m*	*11h 06m*				Fr, 15. Nov
Sa, 16. Nov		—:— – —:—	–	Mond stört		16:22	08:07	05:22	*36m*	05:59	*36m*	06:36	*36m*	07:12	*9h 13m*	16:26	*36m*	17:02	*36m*	17:39	*36m*	18:15	*14h 47m*	*11h 08m*				Sa, 16. Nov
So, 17. Nov		—:— – —:—	–	Mond stört		17:07	09:31	05:24	*36m*	06:00	*37m*	06:37	*36m*	07:13	*9h 11m*	16:25	*36m*	17:01	*37m*	17:38	*36m*	18:14	*14h 50m*	*11h 10m*				So, 17. Nov
Mo, 18. Nov		—:— – —:—	–	Mond stört		18:06	10:42	05:25	*36m*	06:02	*37m*	06:39	*36m*	07:15	*9h 08m*	16:24	*36m*	17:00	*37m*	17:37	*36m*	18:14	*14h 52m*	*11h 12m*				Mo, 18. Nov
Di, 19. Nov		18:13 – 19:17	*1h 03m*	AN$_+$ *bis* M↗		19:17	11:37	05:26	*36m*	06:03	*37m*	06:40	*36m*	07:16	*9h 06m*	16:23	*36m*	16:59	*37m*	17:36	*36m*	18:13	*14h 55m*	*11h 14m*				Di, 19. Nov
Mi, 20. Nov		18:12 – 20:32	*2h 20m*	AN$_+$ *bis* M↗		20:32	12:16	05:27	*36m*	06:04	*37m*	06:41	*36m*	07:18	*9h 03m*	16:22	*36m*	16:58	*37m*	17:35	*36m*	18:12	*14h 57m*	*11h 16m*				Mi, 20. Nov
Do, 21. Nov		18:12 – 21:47	*3h 35m*	AN$_+$ *bis* M↗		21:47	12:43	05:29	*36m*	06:05	*37m*	06:43	*36m*	07:19	*9h 01m*	16:21	*36m*	16:57	*37m*	17:35	*36m*	18:12	*14h 59m*	*11h 18m*				Do, 21. Nov
Fr, 22. Nov		18:11 – 23:00	*4h 48m*	AN$_+$ *bis* M↗		23:00	13:04	05:30	*36m*	06:07	*37m*	06:44	*36m*	07:21	*8h 59m*	16:20	*36m*	16:57	*37m*	17:34	*36m*	18:11	*15h 02m*	*11h 20m*				Fr, 22. Nov
Sa, 23. Nov		18:10 – 00:08*	*5h 58m*	AN$_+$ *bis* M↗	◑	—:—	13:21	05:31	*36m*	06:08	*37m*	06:45	*36m*	07:22	*8h 56m*	16:19	*36m*	16:56	*37m*	17:33	*36m*	18:10	*15h 04m*	*11h 21m*				Sa, 23. Nov
So, 24. Nov		18:10 – 01:15*	*7h 05m*	AN$_+$ *bis* M↗		00:08	13:35	05:32	*36m*	06:09	*37m*	06:47	*36m*	07:24	*8h 54m*	16:18	*36m*	16:55	*37m*	17:33	*36m*	18:10	*15h 06m*	*11h 23m*				So, 24. Nov
Mo, 25. Nov		18:09 – 02:20*	*8h 11m*	AN$_+$ *bis* M↗		01:15	13:48	05:33	*37m*	06:10	*37m*	06:48	*37m*	07:25	*8h 52m*	16:18	*37m*	16:55	*37m*	17:32	*36m*	18:09	*15h 08m*	*11h 25m*				Mo, 25. Nov
Di, 26. Nov		18:09 – 03:26*	*9h 17m*	AN$_+$ *bis* M↗		02:20	14:01	05:34	*37m*	06:11	*37m*	06:49	*37m*	07:26	*8h 50m*	16:17	*37m*	16:54	*37m*	17:32	*37m*	18:09	*15h 10m*	*11h 26m*				Di, 26. Nov
Mi, 27. Nov		18:08 – 04:34*	*10h 25m*	AN$_+$ *bis* M↗		03:26	14:14	05:35	*37m*	06:13	*37m*	06:50	*37m*	07:28	*8h 48m*	16:16	*37m*	16:53	*37m*	17:31	*37m*	18:08	*15h 12m*	*11h 28m*				Mi, 27. Nov
Do, 28. Nov		18:08 – 05:38*	*11h 29m*	AN$_+$ *bis* AN$_-$		04:34	14:30	05:37	*37m*	06:14	*37m*	06:52	*37m*	07:29	*8h 46m*	16:16	*37m*	16:53	*37m*	17:31	*37m*	18:08	*15h 14m*	*11h 29m*				Do, 28. Nov
Fr, 29. Nov		18:07 – 05:39*	*11h 31m*	AN$_+$ *bis* AN$_-$		05:44	14:50	05:38	*37m*	06:15	*37m*	06:53	*37m*	07:30	*8h 44m*	16:15	*37m*	16:52	*37m*	17:30	*37m*	18:07	*15h 16m*	*11h 31m*				Fr, 29. Nov
Sa, 30. Nov		18:07 – 05:40*	*11h 32m*	AN$_+$ *bis* AN$_-$		06:55	15:15	05:39	*37m*	06:16	*38m*	06:54	*37m*	07:31	*8h 42m*	16:14	*37m*	16:52	*38m*	17:30	*37m*	18:07	*15h 18m*	*11h 32m*				Sa, 30. Nov
So, 1. Dez		18:07 – 05:41*	*11h 33m*	AN$_+$ *bis* AN$_-$	●	08:06	15:49	05:40	*37m*	06:17	*38m*	06:55	*37m*	07:33	*8h 41m*	16:14	*37m*	16:52	*38m*	17:30	*37m*	18:07	*15h 19m*	*11h 33m*				So, 1. Dez
Mo, 2. Dez		18:07 – 05:42*	*11h 35m*	AN$_+$ *bis* AN$_-$		09:13	16:35	05:41	*37m*	06:18	*38m*	06:56	*37m*	07:34	*8h 39m*	16:14	*37m*	16:51	*38m*	17:29	*37m*	18:07	*15h 21m*	*11h 35m*				Mo, 2. Dez
Di, 3. Dez		18:06 – 05:43*	*11h 36m*	AN$_+$ *bis* AN$_-$		10:10	17:35	05:42	*37m*	06:19	*38m*	06:57	*37m*	07:35	*8h 37m*	16:13	*37m*	16:51	*38m*	17:29	*37m*	18:06	*15h 23m*	*11h 36m*				Di, 3. Dez
Mi, 4. Dez		18:45 – 05:44*	*10h 58m*	M↘ *bis* AN$_-$		10:55	18:45	05:43	*37m*	06:20	*38m*	06:58	*37m*	07:36	*8h 36m*	16:13	*37m*	16:51	*38m*	17:29	*37m*	18:06	*15h 24m*	*11h 37m*				Mi, 4. Dez
Do, 5. Dez		20:03 – 05:45*	*9h 41m*	M↘ *bis* AN$_-$		11:29	20:03	05:44	*37m*	06:21	*38m*	06:59	*37m*	07:37	*8h 35m*	16:12	*37m*	16:50	*38m*	17:29	*37m*	18:06	*15h 26m*	*11h 38m*				Do, 5. Dez
Fr, 6. Dez		21:23 – 05:46*	*8h 23m*	M↘ *bis* AN$_-$		11:55	21:23	05:45	*37m*	06:22	*38m*	07:01	*38m*	07:39	*8h 33m*	16:12	*37m*	16:50	*38m*	17:29	*37m*	18:06	*15h 27m*	*11h 39m*				Fr, 6. Dez
Sa, 7. Dez		22:42 – 05:47*	*7h 04m*	M↘ *bis* AN$_-$		12:16	22:42	05:46	*37m*	06:23	*38m*	07:02	*38m*	07:40	*8h 32m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:06	*15h 28m*	*11h 40m*				Sa, 7. Dez
So, 8. Dez		00:02* – 05:47*	*5h 45m*	M↘ *bis* AN$_-$	◐	12:34	—:—	05:47	*37m*	06:24	*38m*	07:03	*38m*	07:41	*8h 31m*	16:12	*38m*	16:50	*38m*	17:28	*37m*	18:06	*15h 29m*	*11h 41m*				So, 8. Dez
Mo, 9. Dez		01:22* – 05:48*	*4h 26m*	M↘ *bis* AN$_-$		12:50	00:02	05:47	*37m*	06:25	*38m*	07:03	*38m*	07:42	*8h 30m*	16:12	*38m*	16:50	*38m*	17:28	*37m*	18:06	*15h 30m*	*11h 42m*				Mo, 9. Dez
Di, 10. Dez		02:44* – 05:49*	*3h 05m*	M↘ *bis* AN$_-$		13:07	01:22	05:48	*37m*	06:26	*38m*	07:04	*38m*	07:43	*8h 29m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:06	*15h 31m*	*11h 42m*				Di, 10. Dez
Mi, 11. Dez		04:09* – 05:50*	*1h 41m*	M↘ *bis* AN$_-$		13:25	02:44	05:49	*37m*	06:27	*38m*	07:05	*38m*	07:44	*8h 28m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:06	*15h 32m*	*11h 43m*				Mi, 11. Dez
Do, 12. Dez		05:36* – 05:51*	*15m*	M↘ *bis* AN$_-$		13:47	04:09	05:50	*37m*	06:27	*38m*	07:06	*38m*	07:44	*8h 27m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:06	*15h 33m*	*11h 44m*				Do, 12. Dez
Fr, 13. Dez		—:— – —:—	–	Mond stört		14:16	05:36	05:51	*37m*	06:28	*38m*	07:07	*38m*	07:45	*8h 26m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:07	*15h 34m*	*11h 44m*				Fr, 13. Dez
Sa, 14. Dez		—:— – —:—	–	Mond stört		14:54	07:01	05:51	*37m*	06:29	*38m*	07:08	*38m*	07:46	*8h 25m*	16:12	*38m*	16:50	*38m*	17:29	*37m*	18:07	*15h 34m*	*11h 45m*				Sa, 14. Dez
So, 15. Dez		—:— – —:—	–	Mond stört	○	15:47	08:19	05:52	*37m*	06:30	*38m*	07:08	*38m*	07:47	*8h 25m*	16:12	*38m*	16:51	*38m*	17:29	*37m*	18:07	*15h 35m*	*11h 45m*				So, 15. Dez

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
2024/25	Zeit-	Astr. dunkel und kein Mond			Mond			Beginn der Morgendämmerung						Sonne			Ende der Abenddämmerung						Nacht	Astr. N.	Naut. dunkel und kein Mond			2024/25
	zone		Δt		Ph.	↗	↘	Astr.	Δt	Naut.	Δt	Bürg.	Δt	↗	Δt	↘	Δt	Bürg.	Δt	Naut.	Δt	Astr.	Δt	Δt		Δt		
Mo, 16. Dez		—:——:—	–	Mond stört		16:53	09:22	05:53	*37m*	06:30	*38m*	07:09	*38m*	07:48	*8h 24m*	16:12	*38m*	16:51	*38m*	17:30	*37m*	18:07	*15h 35m*	*11h 45m*				Mo, 16. Dez
Di, 17. Dez		18:08 – 18:08	*0m*	AN_+ *bis* $M_↗$		18:08	10:09	05:53	*37m*	06:31	*38m*	07:10	*38m*	07:48	*8h 24m*	16:13	*38m*	16:51	*38m*	17:30	*37m*	18:08	*15h 36m*	*11h 46m*				Di, 17. Dez
Mi, 18. Dez		18:08 – 19:26	*1h 17m*	AN_+ *bis* $M_↗$		19:26	10:42	05:54	*37m*	06:32	*38m*	07:10	*38m*	07:49	*8h 24m*	16:13	*38m*	16:52	*38m*	17:30	*37m*	18:08	*15h 36m*	*11h 46m*				Mi, 18. Dez
Do, 19. Dez		18:09 – 20:41	*2h 32m*	AN_+ *bis* $M_↗$		20:41	11:06	05:55	*37m*	06:32	*38m*	07:11	*38m*	07:50	*8h 23m*	16:14	*38m*	16:52	*38m*	17:31	*37m*	18:09	*15h 36m*	*11h 46m*				Do, 19. Dez
Fr, 20. Dez		18:09 – 21:53	*3h 43m*	AN_+ *bis* $M_↗$		21:53	11:25	05:55	*37m*	06:33	*38m*	07:12	*38m*	07:50	*8h 23m*	16:14	*38m*	16:53	*38m*	17:31	*37m*	18:09	*15h 36m*	*11h 46m*				Fr, 20. Dez
Sa, 21. Dez		18:10 – 23:01	*4h 51m*	AN_+ *bis* $M_↗$		23:01	11:40	05:56	*37m*	06:33	*38m*	07:12	*38m*	07:51	*8h 23m*	16:14	*38m*	16:53	*38m*	17:32	*37m*	18:10	*15h 36m*	*11h 46m*				Sa, 21. Dez
So, 22. Dez		18:10 – 00:07*	*5h 57m*	AN_+ *bis* $M_↗$	◑	—:—	11:53	05:56	*37m*	06:34	*38m*	07:13	*38m*	07:51	*8h 23m*	16:15	*38m*	16:54	*38m*	17:32	*37m*	18:10	*15h 36m*	*11h 46m*				So, 22. Dez
Mo, 23. Dez		18:11 – 01:13*	*7h 02m*	AN_+ *bis* $M_↗$		00:07	12:06	05:57	*37m*	06:34	*38m*	07:13	*38m*	07:52	*8h 23m*	16:16	*38m*	16:54	*38m*	17:33	*37m*	18:11	*15h 36m*	*11h 46m*				Mo, 23. Dez
Di, 24. Dez		18:11 – 02:20*	*8h 08m*	AN_+ *bis* $M_↗$		01:13	12:20	05:57	*37m*	06:35	*38m*	07:13	*38m*	07:52	*8h 24m*	16:16	*38m*	16:55	*38m*	17:33	*37m*	18:11	*15h 36m*	*11h 46m*				Di, 24. Dez
Mi, 25. Dez		18:12 – 03:28*	*9h 16m*	AN_+ *bis* $M_↗$		02:20	12:35	05:57	*37m*	06:35	*38m*	07:14	*38m*	07:52	*8h 24m*	16:17	*38m*	16:55	*38m*	17:34	*37m*	18:12	*15h 35m*	*11h 45m*				Mi, 25. Dez
Do, 26. Dez		18:12 – 04:39*	*10h 26m*	AN_+ *bis* $M_↗$		03:28	12:53	05:58	*37m*	06:35	*38m*	07:14	*38m*	07:53	*8h 24m*	16:18	*38m*	16:56	*38m*	17:35	*37m*	18:12	*15h 35m*	*11h 45m*				Do, 26. Dez
Fr, 27. Dez		18:13 – 05:51*	*11h 37m*	AN_+ *bis* $M_↗$		04:39	13:16	05:58	*37m*	06:36	*38m*	07:14	*38m*	07:53	*8h 25m*	16:18	*38m*	16:57	*38m*	17:35	*37m*	18:13	*15h 34m*	*11h 45m*				Fr, 27. Dez
Sa, 28. Dez		18:14 – 05:59*	*11h 44m*	AN_+ *bis* AN_-		05:51	13:46	05:58	*37m*	06:36	*38m*	07:15	*38m*	07:53	*8h 26m*	16:19	*38m*	16:58	*38m*	17:36	*37m*	18:14	*15h 34m*	*11h 44m*				Sa, 28. Dez
So, 29. Dez		18:15 – 05:59*	*11h 44m*	AN_+ *bis* AN_-		07:00	14:28	05:59	*37m*	06:36	*38m*	07:15	*38m*	07:53	*8h 26m*	16:20	*38m*	16:58	*38m*	17:37	*37m*	18:15	*15h 33m*	*11h 44m*				So, 29. Dez
Mo, 30. Dez		18:15 – 05:59*	*11h 43m*	AN_+ *bis* AN_-	●	08:01	15:23	05:59	*37m*	06:36	*38m*	07:15	*38m*	07:53	*8h 27m*	16:21	*38m*	16:59	*38m*	17:38	*37m*	18:15	*15h 32m*	*11h 43m*				Mo, 30. Dez
Di, 31. Dez		18:16 – 05:59*	*11h 42m*	AN_+ *bis* AN_-		08:51	16:32	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 28m*	16:22	*38m*	17:00	*38m*	17:39	*37m*	18:16	*15h 31m*	*11h 42m*				Di, 31. Dez
Mi, 1. Jan		18:17 – 05:59*	*11h 42m*	AN_+ *bis* AN_-		09:30	17:49	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 29m*	16:23	*38m*	17:01	*38m*	17:39	*37m*	18:17	*15h 30m*	*11h 42m*				Mi, 1. Jan
Do, 2. Jan		19:10 – 05:59*	*10h 48m*	$M_↘$ *bis* AN_-		09:59	19:10	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 30m*	16:24	*38m*	17:02	*38m*	17:40	*37m*	18:18	*15h 29m*	*11h 41m*				Do, 2. Jan
Fr, 3. Jan		20:32 – 05:59*	*9h 27m*	$M_↘$ *bis* AN_-		10:22	20:32	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 31m*	16:25	*38m*	17:03	*38m*	17:41	*37m*	18:19	*15h 28m*	*11h 40m*				Fr, 3. Jan
Sa, 4. Jan		21:52 – 05:59*	*8h 07m*	$M_↘$ *bis* AN_-		10:40	21:52	05:59	*37m*	06:37	*38m*	07:15	*38m*	07:53	*8h 32m*	16:26	*38m*	17:04	*38m*	17:42	*37m*	18:20	*15h 27m*	*11h 39m*				Sa, 4. Jan
So, 5. Jan		23:11 – 05:59*	*6h 47m*	$M_↘$ *bis* AN_-		10:57	23:11	05:59	*37m*	06:37	*38m*	07:15	*37m*	07:53	*8h 33m*	16:27	*37m*	17:05	*38m*	17:43	*37m*	18:21	*15h 25m*	*11h 38m*				So, 5. Jan
Mo, 6. Jan		00:31* – 05:59*	*5h 27m*	$M_↘$ *bis* AN_-		11:13	—:—	05:59	*37m*	06:36	*38m*	07:15	*37m*	07:53	*8h 35m*	16:28	*37m*	17:06	*38m*	17:44	*37m*	18:22	*15h 24m*	*11h 37m*				Mo, 6. Jan
Di, 7. Jan		01:53* – 05:59*	*4h 05m*	$M_↘$ *bis* AN_-	◐	11:30	00:31	05:59	*37m*	06:36	*38m*	07:15	*37m*	07:52	*8h 36m*	16:29	*37m*	17:07	*38m*	17:45	*37m*	18:23	*15h 22m*	*11h 36m*				Di, 7. Jan
Mi, 8. Jan		03:17* – 05:59*	*2h 41m*	$M_↘$ *bis* AN_-		11:50	01:53	05:59	*37m*	06:36	*38m*	07:14	*37m*	07:52	*8h 38m*	16:30	*37m*	17:08	*38m*	17:46	*37m*	18:24	*15h 21m*	*11h 34m*				Mi, 8. Jan
Do, 9. Jan		04:41* – 05:58*	*1h 17m*	$M_↘$ *bis* AN_-		12:15	03:17	05:59	*37m*	06:36	*38m*	07:14	*37m*	07:52	*8h 39m*	16:32	*37m*	17:09	*38m*	17:47	*37m*	18:25	*15h 19m*	*11h 33m*				Do, 9. Jan
Fr, 10. Jan		—:——:—	–	Mond stört		12:48	04:41	05:58	*37m*	06:36	*38m*	07:14	*37m*	07:51	*8h 41m*	16:33	*37m*	17:10	*38m*	17:49	*37m*	18:26	*15h 17m*	*11h 32m*				Fr, 10. Jan
Sa, 11. Jan		—:——:—	–	Mond stört		13:33	06:00	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:51	*8h 43m*	16:34	*37m*	17:12	*37m*	17:50	*37m*	18:27	*15h 16m*	*11h 30m*				Sa, 11. Jan
So, 12. Jan		—:——:—	–	Mond stört		14:33	07:08	05:58	*37m*	06:35	*37m*	07:13	*37m*	07:50	*8h 45m*	16:35	*37m*	17:13	*37m*	17:51	*37m*	18:28	*15h 14m*	*11h 29m*				So, 12. Jan
Mo, 13. Jan		—:——:—	–	Mond stört	○	15:44	08:00	05:57	*37m*	06:35	*37m*	07:12	*37m*	07:50	*8h 47m*	16:37	*37m*	17:14	*37m*	17:52	*37m*	18:29	*15h 12m*	*11h 27m*				Mo, 13. Jan
Di, 14. Jan		—:——:—	–	Mond stört		17:02	08:39	05:57	*37m*	06:34	*37m*	07:12	*37m*	07:49	*8h 49m*	16:38	*37m*	17:15	*37m*	17:53	*37m*	18:30	*15h 10m*	*11h 26m*				Di, 14. Jan
Mi, 15. Jan		—:——:—	–	Mond stört		18:19	09:07	05:57	*37m*	06:34	*37m*	07:11	*37m*	07:48	*8h 51m*	16:39	*37m*	17:17	*37m*	17:54	*37m*	18:31	*15h 08m*	*11h 24m*				Mi, 15. Jan
Do, 16. Jan		18:33 – 19:33	*1h 00m*	AN_+ *bis* $M_↗$		19:33	09:27	05:56	*36m*	06:33	*37m*	07:11	*36m*	07:48	*8h 53m*	16:41	*37m*	17:18	*37m*	17:56	*37m*	18:33	*15h 06m*	*11h 23m*				Do, 16. Jan
Fr, 17. Jan		18:34 – 20:44	*2h 10m*	AN_+ *bis* $M_↗$		20:44	09:44	05:56	*36m*	06:33	*37m*	07:10	*36m*	07:47	*8h 55m*	16:42	*36m*	17:19	*37m*	17:57	*36m*	18:34	*15h 03m*	*11h 21m*				Fr, 17. Jan
Sa, 18. Jan		18:35 – 21:52	*3h 16m*	AN_+ *bis* $M_↗$		21:52	09:58	05:55	*36m*	06:32	*37m*	07:09	*36m*	07:46	*8h 57m*	16:44	*36m*	17:21	*37m*	17:58	*36m*	18:35	*15h 01m*	*11h 19m*				Sa, 18. Jan
So, 19. Jan		18:36 – 22:58	*4h 22m*	AN_+ *bis* $M_↗$		22:58	10:11	05:54	*36m*	06:31	*37m*	07:09	*36m*	07:45	*8h 59m*	16:45	*36m*	17:22	*37m*	17:59	*36m*	18:36	*14h 59m*	*11h 17m*				So, 19. Jan
Mo, 20. Jan		18:37 – 00:05*	*5h 27m*	AN_+ *bis* $M_↗$		—:—	10:25	05:54	*36m*	06:31	*37m*	07:08	*36m*	07:45	*9h 02m*	16:47	*36m*	17:23	*37m*	18:01	*36m*	18:37	*14h 56m*	*11h 15m*				Mo, 20. Jan
Di, 21. Jan		18:39 – 01:12*	*6h 33m*	AN_+ *bis* $M_↗$	◑	00:05	10:39	05:53	*36m*	06:30	*37m*	07:07	*36m*	07:44	*9h 04m*	16:48	*36m*	17:25	*37m*	18:02	*36m*	18:39	*14h 54m*	*11h 13m*				Di, 21. Jan
Mi, 22. Jan		18:40 – 02:22*	*7h 41m*	AN_+ *bis* $M_↗$		01:12	10:55	05:52	*36m*	06:29	*37m*	07:06	*36m*	07:43	*9h 06m*	16:50	*36m*	17:26	*37m*	18:03	*36m*	18:40	*14h 52m*	*11h 11m*				Mi, 22. Jan
Do, 23. Jan		18:41 – 03:33*	*8h 51m*	AN_+ *bis* $M_↗$		02:22	11:16	05:52	*36m*	06:28	*37m*	07:05	*36m*	07:42	*9h 09m*	16:51	*36m*	17:27	*37m*	18:04	*36m*	18:41	*14h 49m*	*11h 09m*				Do, 23. Jan
Fr, 24. Jan		18:42 – 04:43*	*10h 00m*	AN_+ *bis* $M_↗$		03:33	11:42	05:51	*36m*	06:28	*37m*	07:05	*36m*	07:41	*9h 11m*	16:53	*36m*	17:29	*37m*	18:06	*36m*	18:42	*14h 46m*	*11h 07m*				Fr, 24. Jan
Sa, 25. Jan		18:44 – 05:48*	*11h 03m*	AN_+ *bis* $M_↗$		04:43	12:18	05:50	*36m*	06:27	*36m*	07:04	*36m*	07:40	*9h 14m*	16:54	*36m*	17:30	*36m*	18:07	*36m*	18:44	*14h 44m*	*11h 05m*				Sa, 25. Jan
So, 26. Jan		18:45 – 05:48*	*11h 03m*	AN_+ *bis* AN_-		05:48	13:08	05:49	*36m*	06:26	*36m*	07:03	*35m*	07:39	*9h 17m*	16:56	*35m*	17:32	*36m*	18:09	*36m*	18:45	*14h 41m*	*11h 03m*				So, 26. Jan
Mo, 27. Jan		18:46 – 05:47*	*11h 01m*	AN_+ *bis* AN_-		06:43	14:11	05:48	*36m*	06:25	*36m*	07:02	*35m*	07:37	*9h 19m*	16:57	*35m*	17:33	*36m*	18:10	*36m*	18:46	*14h 38m*	*11h 01m*				Mo, 27. Jan
Di, 28. Jan		18:48 – 05:46*	*10h 58m*	AN_+ *bis* AN_-		07:26	15:26	05:47	*36m*	06:24	*36m*	07:01	*35m*	07:36	*9h 22m*	16:59	*35m*	17:35	*36m*	18:11	*36m*	18:48	*14h 36m*	*10h 58m*				Di, 28. Jan
Mi, 29. Jan		18:49 – 05:45*	*10h 56m*	AN_+ *bis* AN_-	●	07:59	16:48	05:46	*36m*	06:23	*36m*	06:59	*35m*	07:35	*9h 25m*	17:00	*35m*	17:36	*36m*	18:13	*36m*	18:49	*14h 33m*	*10h 56m*				Mi, 29. Jan
Do, 30. Jan		18:50 – 05:44*	*10h 54m*	AN_+ *bis* AN_-		08:25	18:12	05:45	*36m*	06:22	*36m*	06:58	*35m*	07:34	*9h 28m*	17:02	*35m*	17:37	*36m*	18:14	*36m*	18:50	*14h 30m*	*10h 54m*				Do, 30. Jan
Fr, 31. Jan		19:35 – 05:43*	*10h 07m*	$M_↘$ *bis* AN_-		08:45	19:35	05:44	*36m*	06:21	*36m*	06:57	*35m*	07:33	*9h 31m*	17:04	*35m*	17:39	*36m*	18:15	*36m*	18:52	*14h 27m*	*10h 51m*				Fr, 31. Jan
Sa, 1. Feb		20:57 – 05:42*	*8h 44m*	$M_↘$ *bis* AN_-		09:02	20:57	05:43	*36m*	06:20	*36m*	06:56	*35m*	07:31	*9h 33m*	17:05	*35m*	17:40	*36m*	18:17	*36m*	18:53	*14h 24m*	*10h 49m*				Sa, 1. Feb
So, 2. Feb		22:19 – 05:41*	*7h 22m*	$M_↘$ *bis* AN_-		09:19	22:19	05:42	*36m*	06:18	*36m*	06:55	*35m*	07:30	*9h 36m*	17:07	*35m*	17:42	*36m*	18:18	*36m*	18:54	*14h 21m*	*10h 46m*				So, 2. Feb
Mo, 3. Feb		23:41 – 05:40*	*5h 58m*	$M_↘$ *bis* AN_-		09:36	23:41	05:41	*36m*	06:17	*36m*	06:53	*35m*	07:29	*9h 39m*	17:08	*35m*	17:43	*36m*	18:20	*36m*	18:56	*14h 18m*	*10h 44m*				Mo, 3. Feb