

Sun

VTMU

Location: E101°00'00.0", N12°41'00.0", 59m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2025 Jan 01 (Wed)	05:48	06:38 113		12:20 55S	18:02 247		18:51
2025 Jan 02 (Thu)	05:49	06:38 113		12:20 55S	18:02 247		18:51
2025 Jan 03 (Fri)	05:49	06:38 113		12:20 55S	18:03 247		18:52
2025 Jan 04 (Sat)	05:49	06:39 113		12:21 55S	18:03 247		18:53
2025 Jan 05 (Sun)	05:50	06:39 113		12:21 55S	18:04 247		18:53
2025 Jan 06 (Mon)	05:50	06:39 113		12:22 56S	18:04 247		18:54
2025 Jan 07 (Tue)	05:50	06:40 113		12:22 56S	18:05 247		18:54
2025 Jan 08 (Wed)	05:51	06:40 113		12:23 56S	18:05 247		18:55
2025 Jan 09 (Thu)	05:51	06:40 112		12:23 56S	18:06 248		18:55
2025 Jan 10 (Fri)	05:51	06:41 112		12:24 56S	18:07 248		18:56
2025 Jan 11 (Sat)	05:52	06:41 112		12:24 56S	18:07 248		18:56
2025 Jan 12 (Sun)	05:52	06:41 112		12:24 56S	18:08 248		18:57
2025 Jan 13 (Mon)	05:52	06:41 112		12:25 57S	18:08 248		18:57
2025 Jan 14 (Tue)	05:53	06:41 112		12:25 57S	18:09 248		18:58
2025 Jan 15 (Wed)	05:53	06:42 111		12:25 57S	18:09 249		18:58
2025 Jan 16 (Thu)	05:53	06:42 111		12:26 57S	18:10 249		18:59
2025 Jan 17 (Fri)	05:53	06:42 111		12:26 57S	18:10 249		18:59
2025 Jan 18 (Sat)	05:53	06:42 111		12:26 58S	18:11 249		18:59
2025 Jan 19 (Sun)	05:54	06:42 111		12:27 58S	18:11 249		19:00
2025 Jan 20 (Mon)	05:54	06:42 110		12:27 58S	18:12 250		19:00
2025 Jan 21 (Tue)	05:54	06:42 110		12:27 58S	18:12 250		19:01
2025 Jan 22 (Wed)	05:54	06:42 110		12:28 58S	18:13 250		19:01
2025 Jan 23 (Thu)	05:54	06:42 110		12:28 59S	18:13 250		19:02
2025 Jan 24 (Fri)	05:54	06:42 110		12:28 59S	18:14 251		19:02
2025 Jan 25 (Sat)	05:54	06:42 109		12:28 59S	18:14 251		19:02
2025 Jan 26 (Sun)	05:54	06:42 109		12:29 59S	18:15 251		19:03
2025 Jan 27 (Mon)	05:54	06:42 109		12:29 60S	18:15 251		19:03
2025 Jan 28 (Tue)	05:54	06:42 108		12:29 60S	18:16 252		19:04
2025 Jan 29 (Wed)	05:54	06:42 108		12:29 60S	18:16 252		19:04
2025 Jan 30 (Thu)	05:54	06:42 108		12:29 60S	18:17 252		19:04
2025 Jan 31 (Fri)	05:54	06:42 108		12:29 61S	18:17 253		19:05
2025 Feb 01 (Sat)	05:54	06:42 107		12:30 61S	18:17 253		19:05
2025 Feb 02 (Sun)	05:54	06:42 107		12:30 61S	18:18 253		19:05
2025 Feb 03 (Mon)	05:54	06:42 107		12:30 62S	18:18 253		19:06
2025 Feb 04 (Tue)	05:54	06:41 106		12:30 62S	18:19 254		19:06
2025 Feb 05 (Wed)	05:54	06:41 106		12:30 62S	18:19 254		19:06
2025 Feb 06 (Thu)	05:54	06:41 106		12:30 62S	18:19 254		19:07
2025 Feb 07 (Fri)	05:53	06:41 105		12:30 63S	18:20 255		19:07
2025 Feb 08 (Sat)	05:53	06:40 105		12:30 63S	18:20 255		19:07
2025 Feb 09 (Sun)	05:53	06:40 105		12:30 63S	18:20 255		19:07
2025 Feb 10 (Mon)	05:53	06:40 105		12:30 64S	18:21 256		19:08
2025 Feb 11 (Tue)	05:53	06:40 104		12:30 64S	18:21 256		19:08
2025 Feb 12 (Wed)	05:52	06:39 104		12:30 64S	18:21 256		19:08
2025 Feb 13 (Thu)	05:52	06:39 103		12:30 65S	18:22 257		19:08
2025 Feb 14 (Fri)	05:52	06:39 103		12:30 65S	18:22 257		19:09
2025 Feb 15 (Sat)	05:51	06:38 103		12:30 65S	18:22 257		19:09
2025 Feb 16 (Sun)	05:51	06:38 102		12:30 66S	18:22 258		19:09
2025 Feb 17 (Mon)	05:51	06:37 102		12:30 66S	18:23 258		19:09
2025 Feb 18 (Tue)	05:50	06:37 102		12:30 66S	18:23 258		19:09
2025 Feb 19 (Wed)	05:50	06:37 101		12:30 67S	18:23 259		19:10
2025 Feb 20 (Thu)	05:50	06:36 101		12:30 67S	18:23 259		19:10
2025 Feb 21 (Fri)	05:49	06:36 101		12:30 68S	18:24 260		19:10
2025 Feb 22 (Sat)	05:49	06:35 100		12:29 68S	18:24 260		19:10
2025 Feb 23 (Sun)	05:49	06:35 100		12:29 68S	18:24 260		19:10
2025 Feb 24 (Mon)	05:48	06:34 100		12:29 69S	18:24 261		19:10

2025	Feb	25	(Tue)	05:48	06:34	99	12:29	69S	18:24	261	19:11
2025	Feb	26	(Wed)	05:47	06:33	99	12:29	69S	18:25	261	19:11
2025	Feb	27	(Thu)	05:47	06:33	98	12:29	70S	18:25	262	19:11
2025	Feb	28	(Fri)	05:46	06:32	98	12:29	70S	18:25	262	19:11
2025	Mar	01	(Sat)	05:46	06:32	98	12:28	71S	18:25	263	19:11
2025	Mar	02	(Sun)	05:45	06:31	97	12:28	71S	18:25	263	19:11
2025	Mar	03	(Mon)	05:45	06:31	97	12:28	71S	18:25	263	19:11
2025	Mar	04	(Tue)	05:44	06:30	96	12:28	72S	18:25	264	19:11
2025	Mar	05	(Wed)	05:44	06:30	96	12:27	72S	18:26	264	19:11
2025	Mar	06	(Thu)	05:43	06:29	96	12:27	72S	18:26	265	19:12
2025	Mar	07	(Fri)	05:43	06:28	95	12:27	73S	18:26	265	19:12
2025	Mar	08	(Sat)	05:42	06:28	95	12:27	73S	18:26	265	19:12
2025	Mar	09	(Sun)	05:41	06:27	94	12:27	74S	18:26	266	19:12
2025	Mar	10	(Mon)	05:41	06:27	94	12:26	74S	18:26	266	19:12
2025	Mar	11	(Tue)	05:40	06:26	94	12:26	74S	18:26	267	19:12
2025	Mar	12	(Wed)	05:40	06:25	93	12:26	75S	18:26	267	19:12
2025	Mar	13	(Thu)	05:39	06:25	93	12:25	75S	18:26	267	19:12
2025	Mar	14	(Fri)	05:38	06:24	92	12:25	76S	18:26	268	19:12
2025	Mar	15	(Sat)	05:38	06:23	92	12:25	76S	18:26	268	19:12
2025	Mar	16	(Sun)	05:37	06:23	92	12:25	76S	18:27	269	19:12
2025	Mar	17	(Mon)	05:36	06:22	91	12:24	77S	18:27	269	19:12
2025	Mar	18	(Tue)	05:36	06:22	91	12:24	77S	18:27	269	19:12
2025	Mar	19	(Wed)	05:35	06:21	90	12:24	78S	18:27	270	19:13
2025	Mar	20	(Thu)	05:34	06:20	90	12:23	78S	18:27	270	19:13
2025	Mar	21	(Fri)	05:34	06:20	90	12:23	78S	18:27	271	19:13
2025	Mar	22	(Sat)	05:33	06:19	89	12:23	79S	18:27	271	19:13
2025	Mar	23	(Sun)	05:32	06:18	89	12:23	79S	18:27	271	19:13
2025	Mar	24	(Mon)	05:32	06:18	88	12:22	80S	18:27	272	19:13
2025	Mar	25	(Tue)	05:31	06:17	88	12:22	80S	18:27	272	19:13
2025	Mar	26	(Wed)	05:30	06:16	88	12:22	80S	18:27	273	19:13
2025	Mar	27	(Thu)	05:30	06:16	87	12:21	81S	18:27	273	19:13
2025	Mar	28	(Fri)	05:29	06:15	87	12:21	81S	18:27	273	19:13
2025	Mar	29	(Sat)	05:28	06:14	86	12:21	82S	18:27	274	19:13
2025	Mar	30	(Sun)	05:28	06:14	86	12:20	82S	18:27	274	19:13
2025	Mar	31	(Mon)	05:27	06:13	86	12:20	82S	18:27	275	19:13
2025	Apr	01	(Tue)	05:26	06:12	85	12:20	83S	18:27	275	19:14
2025	Apr	02	(Wed)	05:26	06:12	85	12:20	83S	18:28	275	19:14
2025	Apr	03	(Thu)	05:25	06:11	84	12:19	83S	18:28	276	19:14
2025	Apr	04	(Fri)	05:24	06:10	84	12:19	84S	18:28	276	19:14
2025	Apr	05	(Sat)	05:24	06:10	84	12:19	84S	18:28	277	19:14
2025	Apr	06	(Sun)	05:23	06:09	83	12:18	85S	18:28	277	19:14
2025	Apr	07	(Mon)	05:22	06:09	83	12:18	85S	18:28	277	19:14
2025	Apr	08	(Tue)	05:22	06:08	82	12:18	85S	18:28	278	19:14
2025	Apr	09	(Wed)	05:21	06:07	82	12:18	86S	18:28	278	19:14
2025	Apr	10	(Thu)	05:20	06:07	82	12:17	86S	18:28	279	19:15
2025	Apr	11	(Fri)	05:20	06:06	81	12:17	86S	18:28	279	19:15
2025	Apr	12	(Sat)	05:19	06:06	81	12:17	87S	18:28	279	19:15
2025	Apr	13	(Sun)	05:18	06:05	81	12:17	87S	18:28	280	19:15
2025	Apr	14	(Mon)	05:18	06:04	80	12:16	88S	18:28	280	19:15
2025	Apr	15	(Tue)	05:17	06:04	80	12:16	88S	18:28	280	19:15
2025	Apr	16	(Wed)	05:16	06:03	79	12:16	88S	18:29	281	19:15
2025	Apr	17	(Thu)	05:16	06:03	79	12:16	89S	18:29	281	19:16
2025	Apr	18	(Fri)	05:15	06:02	79	12:15	89S	18:29	281	19:16
2025	Apr	19	(Sat)	05:15	06:02	78	12:15	89S	18:29	282	19:16
2025	Apr	20	(Sun)	05:14	06:01	78	12:15	90S	18:29	282	19:16
2025	Apr	21	(Mon)	05:13	06:00	78	12:15	90S	18:29	283	19:16
2025	Apr	22	(Tue)	05:13	06:00	77	12:14	90S	18:29	283	19:17
2025	Apr	23	(Wed)	05:12	05:59	77	12:14	91S	18:29	283	19:17
2025	Apr	24	(Thu)	05:12	05:59	77	12:14	90N	18:30	284	19:17
2025	Apr	25	(Fri)	05:11	05:58	76	12:14	90N	18:30	284	19:17
2025	Apr	26	(Sat)	05:10	05:58	76	12:14	90N	18:30	284	19:17
2025	Apr	27	(Sun)	05:10	05:57	76	12:14	89N	18:30	285	19:18
2025	Apr	28	(Mon)	05:09	05:57	75	12:13	89N	18:30	285	19:18
2025	Apr	29	(Tue)	05:09	05:57	75	12:13	89N	18:30	285	19:18
2025	Apr	30	(Wed)	05:08	05:56	75	12:13	89N	18:30	286	19:18
2025	May	01	(Thu)	05:08	05:56	74	12:13	88N	18:31	286	19:19
2025	May	02	(Fri)	05:07	05:55	74	12:13	88N	18:31	286	19:19

2025	May	03	(Sat)	05:07	05:55	74	12:13	88N	18:31	286	19:19
2025	May	04	(Sun)	05:06	05:55	73	12:13	87N	18:31	287	19:19
2025	May	05	(Mon)	05:06	05:54	73	12:13	87N	18:31	287	19:20
2025	May	06	(Tue)	05:05	05:54	73	12:13	87N	18:32	287	19:20
2025	May	07	(Wed)	05:05	05:53	73	12:13	87N	18:32	288	19:20
2025	May	08	(Thu)	05:05	05:53	72	12:12	86N	18:32	288	19:21
2025	May	09	(Fri)	05:04	05:53	72	12:12	86N	18:32	288	19:21
2025	May	10	(Sat)	05:04	05:52	72	12:12	86N	18:33	288	19:21
2025	May	11	(Sun)	05:03	05:52	71	12:12	85N	18:33	289	19:22
2025	May	12	(Mon)	05:03	05:52	71	12:12	85N	18:33	289	19:22
2025	May	13	(Tue)	05:03	05:52	71	12:12	85N	18:33	289	19:22
2025	May	14	(Wed)	05:02	05:51	71	12:12	85N	18:33	289	19:23
2025	May	15	(Thu)	05:02	05:51	70	12:12	84N	18:34	290	19:23
2025	May	16	(Fri)	05:02	05:51	70	12:12	84N	18:34	290	19:23
2025	May	17	(Sat)	05:01	05:51	70	12:12	84N	18:34	290	19:24
2025	May	18	(Sun)	05:01	05:50	70	12:12	84N	18:35	290	19:24
2025	May	19	(Mon)	05:01	05:50	70	12:12	84N	18:35	291	19:24
2025	May	20	(Tue)	05:01	05:50	69	12:13	83N	18:35	291	19:25
2025	May	21	(Wed)	05:00	05:50	69	12:13	83N	18:35	291	19:25
2025	May	22	(Thu)	05:00	05:50	69	12:13	83N	18:36	291	19:25
2025	May	23	(Fri)	05:00	05:50	69	12:13	83N	18:36	291	19:26
2025	May	24	(Sat)	05:00	05:50	68	12:13	83N	18:36	292	19:26
2025	May	25	(Sun)	05:00	05:49	68	12:13	82N	18:36	292	19:26
2025	May	26	(Mon)	04:59	05:49	68	12:13	82N	18:37	292	19:27
2025	May	27	(Tue)	04:59	05:49	68	12:13	82N	18:37	292	19:27
2025	May	28	(Wed)	04:59	05:49	68	12:13	82N	18:37	292	19:27
2025	May	29	(Thu)	04:59	05:49	68	12:13	82N	18:38	292	19:28
2025	May	30	(Fri)	04:59	05:49	67	12:14	82N	18:38	293	19:28
2025	May	31	(Sat)	04:59	05:49	67	12:14	81N	18:38	293	19:29
2025	Jun	01	(Sun)	04:59	05:49	67	12:14	81N	18:39	293	19:29
2025	Jun	02	(Mon)	04:59	05:49	67	12:14	81N	18:39	293	19:29
2025	Jun	03	(Tue)	04:59	05:49	67	12:14	81N	18:39	293	19:30
2025	Jun	04	(Wed)	04:59	05:49	67	12:14	81N	18:39	293	19:30
2025	Jun	05	(Thu)	04:59	05:49	67	12:15	81N	18:40	293	19:30
2025	Jun	06	(Fri)	04:59	05:49	67	12:15	81N	18:40	294	19:31
2025	Jun	07	(Sat)	04:59	05:49	66	12:15	81N	18:40	294	19:31
2025	Jun	08	(Sun)	04:59	05:50	66	12:15	81N	18:41	294	19:31
2025	Jun	09	(Mon)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2025	Jun	10	(Tue)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2025	Jun	11	(Wed)	04:59	05:50	66	12:16	80N	18:41	294	19:32
2025	Jun	12	(Thu)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2025	Jun	13	(Fri)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2025	Jun	14	(Sat)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2025	Jun	15	(Sun)	05:00	05:50	66	12:17	80N	18:43	294	19:33
2025	Jun	16	(Mon)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2025	Jun	17	(Tue)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2025	Jun	18	(Wed)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2025	Jun	19	(Thu)	05:00	05:51	66	12:17	80N	18:44	294	19:34
2025	Jun	20	(Fri)	05:00	05:51	66	12:18	80N	18:44	294	19:35
2025	Jun	21	(Sat)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2025	Jun	22	(Sun)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2025	Jun	23	(Mon)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2025	Jun	24	(Tue)	05:01	05:52	66	12:18	80N	18:45	294	19:35
2025	Jun	25	(Wed)	05:02	05:53	66	12:19	80N	18:45	294	19:36
2025	Jun	26	(Thu)	05:02	05:53	66	12:19	80N	18:45	294	19:36
2025	Jun	27	(Fri)	05:02	05:53	66	12:19	80N	18:45	294	19:36
2025	Jun	28	(Sat)	05:02	05:53	66	12:19	80N	18:45	294	19:36
2025	Jun	29	(Sun)	05:03	05:54	66	12:20	80N	18:45	294	19:36
2025	Jun	30	(Mon)	05:03	05:54	66	12:20	80N	18:46	294	19:36
2025	Jul	01	(Tue)	05:03	05:54	66	12:20	80N	18:46	294	19:36
2025	Jul	02	(Wed)	05:04	05:54	66	12:20	80N	18:46	294	19:36
2025	Jul	03	(Thu)	05:04	05:55	66	12:20	80N	18:46	294	19:37
2025	Jul	04	(Fri)	05:04	05:55	66	12:20	81N	18:46	294	19:37
2025	Jul	05	(Sat)	05:05	05:55	66	12:21	81N	18:46	294	19:37
2025	Jul	06	(Sun)	05:05	05:55	67	12:21	81N	18:46	293	19:37
2025	Jul	07	(Mon)	05:05	05:56	67	12:21	81N	18:46	293	19:37
2025	Jul	08	(Tue)	05:06	05:56	67	12:21	81N	18:46	293	19:37

2025	Jul	09	(Wed)	05:06	05:56	67	12:21	81N	18:46	293	19:37
2025	Jul	10	(Thu)	05:06	05:57	67	12:21	81N	18:46	293	19:37
2025	Jul	11	(Fri)	05:07	05:57	67	12:22	81N	18:46	293	19:36
2025	Jul	12	(Sat)	05:07	05:57	67	12:22	81N	18:46	293	19:36
2025	Jul	13	(Sun)	05:07	05:57	67	12:22	82N	18:46	293	19:36
2025	Jul	14	(Mon)	05:08	05:58	68	12:22	82N	18:46	292	19:36
2025	Jul	15	(Tue)	05:08	05:58	68	12:22	82N	18:46	292	19:36
2025	Jul	16	(Wed)	05:08	05:58	68	12:22	82N	18:46	292	19:36
2025	Jul	17	(Thu)	05:09	05:59	68	12:22	82N	18:46	292	19:36
2025	Jul	18	(Fri)	05:09	05:59	68	12:22	82N	18:46	292	19:36
2025	Jul	19	(Sat)	05:09	05:59	68	12:22	83N	18:46	291	19:35
2025	Jul	20	(Sun)	05:10	05:59	69	12:22	83N	18:45	291	19:35
2025	Jul	21	(Mon)	05:10	06:00	69	12:22	83N	18:45	291	19:35
2025	Jul	22	(Tue)	05:10	06:00	69	12:22	83N	18:45	291	19:35
2025	Jul	23	(Wed)	05:10	06:00	69	12:23	83N	18:45	291	19:34
2025	Jul	24	(Thu)	05:11	06:00	69	12:23	84N	18:45	290	19:34
2025	Jul	25	(Fri)	05:11	06:01	70	12:23	84N	18:45	290	19:34
2025	Jul	26	(Sat)	05:11	06:01	70	12:23	84N	18:44	290	19:34
2025	Jul	27	(Sun)	05:12	06:01	70	12:23	84N	18:44	290	19:33
2025	Jul	28	(Mon)	05:12	06:01	70	12:23	84N	18:44	290	19:33
2025	Jul	29	(Tue)	05:12	06:01	71	12:23	85N	18:43	289	19:32
2025	Jul	30	(Wed)	05:13	06:02	71	12:22	85N	18:43	289	19:32
2025	Jul	31	(Thu)	05:13	06:02	71	12:22	85N	18:43	289	19:32
2025	Aug	01	(Fri)	05:13	06:02	71	12:22	85N	18:43	289	19:31
2025	Aug	02	(Sat)	05:13	06:02	72	12:22	86N	18:42	288	19:31
2025	Aug	03	(Sun)	05:14	06:02	72	12:22	86N	18:42	288	19:30
2025	Aug	04	(Mon)	05:14	06:03	72	12:22	86N	18:42	288	19:30
2025	Aug	05	(Tue)	05:14	06:03	72	12:22	86N	18:41	287	19:30
2025	Aug	06	(Wed)	05:15	06:03	73	12:22	87N	18:41	287	19:29
2025	Aug	07	(Thu)	05:15	06:03	73	12:22	87N	18:40	287	19:29
2025	Aug	08	(Fri)	05:15	06:03	73	12:22	87N	18:40	287	19:28
2025	Aug	09	(Sat)	05:15	06:03	74	12:22	88N	18:40	286	19:28
2025	Aug	10	(Sun)	05:15	06:04	74	12:21	88N	18:39	286	19:27
2025	Aug	11	(Mon)	05:16	06:04	74	12:21	88N	18:39	286	19:27
2025	Aug	12	(Tue)	05:16	06:04	74	12:21	89N	18:38	285	19:26
2025	Aug	13	(Wed)	05:16	06:04	75	12:21	89N	18:38	285	19:25
2025	Aug	14	(Thu)	05:16	06:04	75	12:21	89N	18:37	285	19:25
2025	Aug	15	(Fri)	05:16	06:04	75	12:21	89N	18:37	284	19:24
2025	Aug	16	(Sat)	05:17	06:04	76	12:20	90N	18:36	284	19:24
2025	Aug	17	(Sun)	05:17	06:04	76	12:20	90N	18:36	284	19:23
2025	Aug	18	(Mon)	05:17	06:04	76	12:20	90N	18:35	283	19:23
2025	Aug	19	(Tue)	05:17	06:05	77	12:20	91S	18:35	283	19:22
2025	Aug	20	(Wed)	05:17	06:05	77	12:19	90S	18:34	283	19:21
2025	Aug	21	(Thu)	05:17	06:05	77	12:19	90S	18:33	282	19:21
2025	Aug	22	(Fri)	05:18	06:05	78	12:19	90S	18:33	282	19:20
2025	Aug	23	(Sat)	05:18	06:05	78	12:19	89S	18:32	282	19:19
2025	Aug	24	(Sun)	05:18	06:05	78	12:18	89S	18:32	281	19:19
2025	Aug	25	(Mon)	05:18	06:05	79	12:18	89S	18:31	281	19:18
2025	Aug	26	(Tue)	05:18	06:05	79	12:18	88S	18:31	281	19:17
2025	Aug	27	(Wed)	05:18	06:05	79	12:18	88S	18:30	280	19:17
2025	Aug	28	(Thu)	05:18	06:05	80	12:17	88S	18:29	280	19:16
2025	Aug	29	(Fri)	05:18	06:05	80	12:17	87S	18:29	280	19:15
2025	Aug	30	(Sat)	05:19	06:05	81	12:17	87S	18:28	279	19:15
2025	Aug	31	(Sun)	05:19	06:05	81	12:16	87S	18:27	279	19:14
2025	Sep	01	(Mon)	05:19	06:05	81	12:16	86S	18:27	278	19:13
2025	Sep	02	(Tue)	05:19	06:05	82	12:16	86S	18:26	278	19:12
2025	Sep	03	(Wed)	05:19	06:05	82	12:15	85S	18:25	278	19:12
2025	Sep	04	(Thu)	05:19	06:05	82	12:15	85S	18:25	277	19:11
2025	Sep	05	(Fri)	05:19	06:05	83	12:15	85S	18:24	277	19:10
2025	Sep	06	(Sat)	05:19	06:05	83	12:14	84S	18:23	277	19:10
2025	Sep	07	(Sun)	05:19	06:05	84	12:14	84S	18:23	276	19:09
2025	Sep	08	(Mon)	05:19	06:05	84	12:14	84S	18:22	276	19:08
2025	Sep	09	(Tue)	05:19	06:05	84	12:13	83S	18:21	275	19:07
2025	Sep	10	(Wed)	05:19	06:05	85	12:13	83S	18:21	275	19:07
2025	Sep	11	(Thu)	05:19	06:05	85	12:13	82S	18:20	275	19:06
2025	Sep	12	(Fri)	05:19	06:05	86	12:12	82S	18:19	274	19:05
2025	Sep	13	(Sat)	05:19	06:05	86	12:12	82S	18:18	274	19:04

2025 Sep 14 (Sun)	05:19	06:05	86	12:12	81S	18:18	273	19:04
2025 Sep 15 (Mon)	05:19	06:05	87	12:11	81S	18:17	273	19:03
2025 Sep 16 (Tue)	05:19	06:05	87	12:11	81S	18:16	273	19:02
2025 Sep 17 (Wed)	05:19	06:05	88	12:11	80S	18:16	272	19:02
2025 Sep 18 (Thu)	05:19	06:05	88	12:10	80S	18:15	272	19:01
2025 Sep 19 (Fri)	05:19	06:05	88	12:10	79S	18:14	271	19:00
2025 Sep 20 (Sat)	05:19	06:05	89	12:09	79S	18:14	271	18:59
2025 Sep 21 (Sun)	05:19	06:05	89	12:09	79S	18:13	271	18:59
2025 Sep 22 (Mon)	05:19	06:05	89	12:09	78S	18:12	270	18:58
2025 Sep 23 (Tue)	05:19	06:05	90	12:08	78S	18:11	270	18:57
2025 Sep 24 (Wed)	05:19	06:05	90	12:08	77S	18:11	270	18:57
2025 Sep 25 (Thu)	05:19	06:05	91	12:08	77S	18:10	269	18:56
2025 Sep 26 (Fri)	05:19	06:05	91	12:07	77S	18:09	269	18:55
2025 Sep 27 (Sat)	05:19	06:05	91	12:07	76S	18:09	268	18:54
2025 Sep 28 (Sun)	05:19	06:05	92	12:07	76S	18:08	268	18:54
2025 Sep 29 (Mon)	05:19	06:05	92	12:06	76S	18:07	268	18:53
2025 Sep 30 (Tue)	05:19	06:05	93	12:06	75S	18:07	267	18:52
2025 Oct 01 (Wed)	05:19	06:05	93	12:06	75S	18:06	267	18:52
2025 Oct 02 (Thu)	05:19	06:05	93	12:05	74S	18:05	266	18:51
2025 Oct 03 (Fri)	05:19	06:05	94	12:05	74S	18:05	266	18:50
2025 Oct 04 (Sat)	05:19	06:05	94	12:05	74S	18:04	266	18:50
2025 Oct 05 (Sun)	05:19	06:05	95	12:04	73S	18:03	265	18:49
2025 Oct 06 (Mon)	05:20	06:05	95	12:04	73S	18:03	265	18:49
2025 Oct 07 (Tue)	05:20	06:05	95	12:04	72S	18:02	264	18:48
2025 Oct 08 (Wed)	05:20	06:06	96	12:04	72S	18:01	264	18:47
2025 Oct 09 (Thu)	05:20	06:06	96	12:03	72S	18:01	264	18:47
2025 Oct 10 (Fri)	05:20	06:06	97	12:03	71S	18:00	263	18:46
2025 Oct 11 (Sat)	05:20	06:06	97	12:03	71S	18:00	263	18:46
2025 Oct 12 (Sun)	05:20	06:06	97	12:03	71S	17:59	262	18:45
2025 Oct 13 (Mon)	05:20	06:06	98	12:02	70S	17:58	262	18:45
2025 Oct 14 (Tue)	05:20	06:06	98	12:02	70S	17:58	262	18:44
2025 Oct 15 (Wed)	05:20	06:06	99	12:02	69S	17:57	261	18:43
2025 Oct 16 (Thu)	05:20	06:06	99	12:02	69S	17:57	261	18:43
2025 Oct 17 (Fri)	05:20	06:06	99	12:01	69S	17:56	261	18:42
2025 Oct 18 (Sat)	05:20	06:07	100	12:01	68S	17:56	260	18:42
2025 Oct 19 (Sun)	05:20	06:07	100	12:01	68S	17:55	260	18:42
2025 Oct 20 (Mon)	05:20	06:07	100	12:01	68S	17:55	259	18:41
2025 Oct 21 (Tue)	05:21	06:07	101	12:01	67S	17:54	259	18:41
2025 Oct 22 (Wed)	05:21	06:07	101	12:00	67S	17:54	259	18:40
2025 Oct 23 (Thu)	05:21	06:07	102	12:00	67S	17:53	258	18:40
2025 Oct 24 (Fri)	05:21	06:07	102	12:00	66S	17:53	258	18:39
2025 Oct 25 (Sat)	05:21	06:08	102	12:00	66S	17:52	258	18:39
2025 Oct 26 (Sun)	05:21	06:08	103	12:00	65S	17:52	257	18:39
2025 Oct 27 (Mon)	05:21	06:08	103	12:00	65S	17:52	257	18:38
2025 Oct 28 (Tue)	05:22	06:08	103	12:00	65S	17:51	257	18:38
2025 Oct 29 (Wed)	05:22	06:09	104	12:00	64S	17:51	256	18:38
2025 Oct 30 (Thu)	05:22	06:09	104	12:00	64S	17:50	256	18:37
2025 Oct 31 (Fri)	05:22	06:09	104	12:00	64S	17:50	256	18:37
2025 Nov 01 (Sat)	05:22	06:09	105	12:00	64S	17:50	255	18:37
2025 Nov 02 (Sun)	05:22	06:10	105	12:00	63S	17:49	255	18:37
2025 Nov 03 (Mon)	05:23	06:10	105	12:00	63S	17:49	255	18:36
2025 Nov 04 (Tue)	05:23	06:10	106	12:00	63S	17:49	254	18:36
2025 Nov 05 (Wed)	05:23	06:11	106	12:00	62S	17:49	254	18:36
2025 Nov 06 (Thu)	05:23	06:11	106	12:00	62S	17:48	254	18:36
2025 Nov 07 (Fri)	05:24	06:11	107	12:00	62S	17:48	253	18:36
2025 Nov 08 (Sat)	05:24	06:12	107	12:00	61S	17:48	253	18:35
2025 Nov 09 (Sun)	05:24	06:12	107	12:00	61S	17:48	253	18:35
2025 Nov 10 (Mon)	05:25	06:12	107	12:00	61S	17:47	252	18:35
2025 Nov 11 (Tue)	05:25	06:13	108	12:00	61S	17:47	252	18:35
2025 Nov 12 (Wed)	05:25	06:13	108	12:00	60S	17:47	252	18:35
2025 Nov 13 (Thu)	05:25	06:13	108	12:00	60S	17:47	252	18:35
2025 Nov 14 (Fri)	05:26	06:14	108	12:00	60S	17:47	251	18:35
2025 Nov 15 (Sat)	05:26	06:14	109	12:01	59S	17:47	251	18:35
2025 Nov 16 (Sun)	05:27	06:15	109	12:01	59S	17:47	251	18:35
2025 Nov 17 (Mon)	05:27	06:15	109	12:01	59S	17:47	251	18:35
2025 Nov 18 (Tue)	05:27	06:15	110	12:01	59S	17:47	250	18:35
2025 Nov 19 (Wed)	05:28	06:16	110	12:01	59S	17:47	250	18:35

2025 Nov 20 (Thu)	05:28	06:16	110	12:02	58S	17:47	250	18:35
2025 Nov 21 (Fri)	05:28	06:17	110	12:02	58S	17:47	250	18:35
2025 Nov 22 (Sat)	05:29	06:17	110	12:02	58S	17:47	249	18:35
2025 Nov 23 (Sun)	05:29	06:18	111	12:02	58S	17:47	249	18:35
2025 Nov 24 (Mon)	05:30	06:18	111	12:03	57S	17:47	249	18:36
2025 Nov 25 (Tue)	05:30	06:19	111	12:03	57S	17:47	249	18:36
2025 Nov 26 (Wed)	05:31	06:19	111	12:03	57S	17:47	249	18:36
2025 Nov 27 (Thu)	05:31	06:20	111	12:04	57S	17:47	248	18:36
2025 Nov 28 (Fri)	05:31	06:20	112	12:04	57S	17:47	248	18:36
2025 Nov 29 (Sat)	05:32	06:21	112	12:04	57S	17:48	248	18:37
2025 Nov 30 (Sun)	05:32	06:21	112	12:05	56S	17:48	248	18:37
2025 Dec 01 (Mon)	05:33	06:22	112	12:05	56S	17:48	248	18:37
2025 Dec 02 (Tue)	05:33	06:22	112	12:05	56S	17:48	248	18:37
2025 Dec 03 (Wed)	05:34	06:23	112	12:06	56S	17:49	247	18:38
2025 Dec 04 (Thu)	05:34	06:23	113	12:06	56S	17:49	247	18:38
2025 Dec 05 (Fri)	05:35	06:24	113	12:07	56S	17:49	247	18:38
2025 Dec 06 (Sat)	05:35	06:25	113	12:07	56S	17:49	247	18:39
2025 Dec 07 (Sun)	05:36	06:25	113	12:07	55S	17:50	247	18:39
2025 Dec 08 (Mon)	05:36	06:26	113	12:08	55S	17:50	247	18:39
2025 Dec 09 (Tue)	05:37	06:26	113	12:08	55S	17:50	247	18:40
2025 Dec 10 (Wed)	05:37	06:27	113	12:09	55S	17:51	247	18:40
2025 Dec 11 (Thu)	05:38	06:27	113	12:09	55S	17:51	247	18:41
2025 Dec 12 (Fri)	05:38	06:28	113	12:10	55S	17:51	246	18:41
2025 Dec 13 (Sat)	05:39	06:28	114	12:10	55S	17:52	246	18:41
2025 Dec 14 (Sun)	05:39	06:29	114	12:11	55S	17:52	246	18:42
2025 Dec 15 (Mon)	05:40	06:29	114	12:11	55S	17:53	246	18:42
2025 Dec 16 (Tue)	05:40	06:30	114	12:12	55S	17:53	246	18:43
2025 Dec 17 (Wed)	05:41	06:31	114	12:12	55S	17:54	246	18:43
2025 Dec 18 (Thu)	05:41	06:31	114	12:13	55S	17:54	246	18:44
2025 Dec 19 (Fri)	05:42	06:32	114	12:13	55S	17:55	246	18:44
2025 Dec 20 (Sat)	05:42	06:32	114	12:14	55S	17:55	246	18:45
2025 Dec 21 (Sun)	05:43	06:33	114	12:14	55S	17:56	246	18:45
2025 Dec 22 (Mon)	05:43	06:33	114	12:15	55S	17:56	246	18:46
2025 Dec 23 (Tue)	05:44	06:34	114	12:15	55S	17:57	246	18:46
2025 Dec 24 (Wed)	05:44	06:34	114	12:16	55S	17:57	246	18:47
2025 Dec 25 (Thu)	05:45	06:35	114	12:16	55S	17:58	246	18:47
2025 Dec 26 (Fri)	05:45	06:35	114	12:17	55S	17:58	246	18:48
2025 Dec 27 (Sat)	05:46	06:35	114	12:17	55S	17:59	246	18:48
2025 Dec 28 (Sun)	05:46	06:36	114	12:18	55S	17:59	246	18:49
2025 Dec 29 (Mon)	05:47	06:36	114	12:18	55S	18:00	246	18:49
2025 Dec 30 (Tue)	05:47	06:37	114	12:18	55S	18:00	246	18:50
2025 Dec 31 (Wed)	05:48	06:37	114	12:19	55S	18:01	247	18:50

Sun

VTMU

Location: E101°00'00.0", N12°41'00.0", 59m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m	
2025 Jan 01 (Wed)	06:15	06:38	113	12:20	55S	18:02	247	18:24
2025 Jan 02 (Thu)	06:15	06:38	113	12:20	55S	18:02	247	18:25
2025 Jan 03 (Fri)	06:15	06:38	113	12:20	55S	18:03	247	18:26
2025 Jan 04 (Sat)	06:16	06:39	113	12:21	55S	18:03	247	18:26
2025 Jan 05 (Sun)	06:16	06:39	113	12:21	55S	18:04	247	18:27
2025 Jan 06 (Mon)	06:17	06:39	113	12:22	56S	18:04	247	18:27
2025 Jan 07 (Tue)	06:17	06:40	113	12:22	56S	18:05	247	18:28
2025 Jan 08 (Wed)	06:17	06:40	113	12:23	56S	18:05	247	18:28
2025 Jan 09 (Thu)	06:17	06:40	112	12:23	56S	18:06	248	18:29
2025 Jan 10 (Fri)	06:18	06:41	112	12:24	56S	18:07	248	18:29
2025 Jan 11 (Sat)	06:18	06:41	112	12:24	56S	18:07	248	18:30
2025 Jan 12 (Sun)	06:18	06:41	112	12:24	56S	18:08	248	18:30

2025	Jan	13	(Mon)	06:18	06:41	112	12:25	57S	18:08	248	18:31
2025	Jan	14	(Tue)	06:19	06:41	112	12:25	57S	18:09	248	18:31
2025	Jan	15	(Wed)	06:19	06:42	111	12:25	57S	18:09	249	18:32
2025	Jan	16	(Thu)	06:19	06:42	111	12:26	57S	18:10	249	18:32
2025	Jan	17	(Fri)	06:19	06:42	111	12:26	57S	18:10	249	18:33
2025	Jan	18	(Sat)	06:19	06:42	111	12:26	58S	18:11	249	18:33
2025	Jan	19	(Sun)	06:20	06:42	111	12:27	58S	18:11	249	18:34
2025	Jan	20	(Mon)	06:20	06:42	110	12:27	58S	18:12	250	18:34
2025	Jan	21	(Tue)	06:20	06:42	110	12:27	58S	18:12	250	18:35
2025	Jan	22	(Wed)	06:20	06:42	110	12:28	58S	18:13	250	18:35
2025	Jan	23	(Thu)	06:20	06:42	110	12:28	59S	18:13	250	18:36
2025	Jan	24	(Fri)	06:20	06:42	110	12:28	59S	18:14	251	18:36
2025	Jan	25	(Sat)	06:20	06:42	109	12:28	59S	18:14	251	18:37
2025	Jan	26	(Sun)	06:20	06:42	109	12:29	59S	18:15	251	18:37
2025	Jan	27	(Mon)	06:20	06:42	109	12:29	60S	18:15	251	18:38
2025	Jan	28	(Tue)	06:20	06:42	108	12:29	60S	18:16	252	18:38
2025	Jan	29	(Wed)	06:20	06:42	108	12:29	60S	18:16	252	18:38
2025	Jan	30	(Thu)	06:20	06:42	108	12:29	60S	18:17	252	18:39
2025	Jan	31	(Fri)	06:20	06:42	108	12:29	61S	18:17	253	18:39
2025	Feb	01	(Sat)	06:20	06:42	107	12:30	61S	18:17	253	18:40
2025	Feb	02	(Sun)	06:20	06:42	107	12:30	61S	18:18	253	18:40
2025	Feb	03	(Mon)	06:19	06:42	107	12:30	62S	18:18	253	18:40
2025	Feb	04	(Tue)	06:19	06:41	106	12:30	62S	18:19	254	18:41
2025	Feb	05	(Wed)	06:19	06:41	106	12:30	62S	18:19	254	18:41
2025	Feb	06	(Thu)	06:19	06:41	106	12:30	62S	18:19	254	18:41
2025	Feb	07	(Fri)	06:19	06:41	105	12:30	63S	18:20	255	18:42
2025	Feb	08	(Sat)	06:19	06:40	105	12:30	63S	18:20	255	18:42
2025	Feb	09	(Sun)	06:18	06:40	105	12:30	63S	18:20	255	18:42
2025	Feb	10	(Mon)	06:18	06:40	105	12:30	64S	18:21	256	18:42
2025	Feb	11	(Tue)	06:18	06:40	104	12:30	64S	18:21	256	18:43
2025	Feb	12	(Wed)	06:17	06:39	104	12:30	64S	18:21	256	18:43
2025	Feb	13	(Thu)	06:17	06:39	103	12:30	65S	18:22	257	18:43
2025	Feb	14	(Fri)	06:17	06:39	103	12:30	65S	18:22	257	18:44
2025	Feb	15	(Sat)	06:17	06:38	103	12:30	65S	18:22	257	18:44
2025	Feb	16	(Sun)	06:16	06:38	102	12:30	66S	18:22	258	18:44
2025	Feb	17	(Mon)	06:16	06:37	102	12:30	66S	18:23	258	18:44
2025	Feb	18	(Tue)	06:15	06:37	102	12:30	66S	18:23	258	18:44
2025	Feb	19	(Wed)	06:15	06:37	101	12:30	67S	18:23	259	18:45
2025	Feb	20	(Thu)	06:15	06:36	101	12:30	67S	18:23	259	18:45
2025	Feb	21	(Fri)	06:14	06:36	101	12:30	68S	18:24	260	18:45
2025	Feb	22	(Sat)	06:14	06:35	100	12:29	68S	18:24	260	18:45
2025	Feb	23	(Sun)	06:13	06:35	100	12:29	68S	18:24	260	18:45
2025	Feb	24	(Mon)	06:13	06:34	100	12:29	69S	18:24	261	18:46
2025	Feb	25	(Tue)	06:12	06:34	99	12:29	69S	18:24	261	18:46
2025	Feb	26	(Wed)	06:12	06:33	99	12:29	69S	18:25	261	18:46
2025	Feb	27	(Thu)	06:11	06:33	98	12:29	70S	18:25	262	18:46
2025	Feb	28	(Fri)	06:11	06:32	98	12:29	70S	18:25	262	18:46
2025	Mar	01	(Sat)	06:10	06:32	98	12:28	71S	18:25	263	18:46
2025	Mar	02	(Sun)	06:10	06:31	97	12:28	71S	18:25	263	18:46
2025	Mar	03	(Mon)	06:09	06:31	97	12:28	71S	18:25	263	18:47
2025	Mar	04	(Tue)	06:09	06:30	96	12:28	72S	18:25	264	18:47
2025	Mar	05	(Wed)	06:08	06:30	96	12:27	72S	18:26	264	18:47
2025	Mar	06	(Thu)	06:08	06:29	96	12:27	72S	18:26	265	18:47
2025	Mar	07	(Fri)	06:07	06:28	95	12:27	73S	18:26	265	18:47
2025	Mar	08	(Sat)	06:07	06:28	95	12:27	73S	18:26	265	18:47
2025	Mar	09	(Sun)	06:06	06:27	94	12:27	74S	18:26	266	18:47
2025	Mar	10	(Mon)	06:05	06:27	94	12:26	74S	18:26	266	18:47
2025	Mar	11	(Tue)	06:05	06:26	94	12:26	74S	18:26	267	18:47
2025	Mar	12	(Wed)	06:04	06:25	93	12:26	75S	18:26	267	18:47
2025	Mar	13	(Thu)	06:04	06:25	93	12:25	75S	18:26	267	18:48
2025	Mar	14	(Fri)	06:03	06:24	92	12:25	76S	18:26	268	18:48
2025	Mar	15	(Sat)	06:02	06:23	92	12:25	76S	18:26	268	18:48
2025	Mar	16	(Sun)	06:02	06:23	92	12:25	76S	18:27	269	18:48
2025	Mar	17	(Mon)	06:01	06:22	91	12:24	77S	18:27	269	18:48
2025	Mar	18	(Tue)	06:00	06:22	91	12:24	77S	18:27	269	18:48
2025	Mar	19	(Wed)	06:00	06:21	90	12:24	78S	18:27	270	18:48
2025	Mar	20	(Thu)	05:59	06:20	90	12:23	78S	18:27	270	18:48

2025 Mar 21 (Fri)	05:58	06:20	90	12:23	78S	18:27	271	18:48
2025 Mar 22 (Sat)	05:58	06:19	89	12:23	79S	18:27	271	18:48
2025 Mar 23 (Sun)	05:57	06:18	89	12:23	79S	18:27	271	18:48
2025 Mar 24 (Mon)	05:56	06:18	88	12:22	80S	18:27	272	18:48
2025 Mar 25 (Tue)	05:56	06:17	88	12:22	80S	18:27	272	18:48
2025 Mar 26 (Wed)	05:55	06:16	88	12:22	80S	18:27	273	18:48
2025 Mar 27 (Thu)	05:54	06:16	87	12:21	81S	18:27	273	18:48
2025 Mar 28 (Fri)	05:54	06:15	87	12:21	81S	18:27	273	18:48
2025 Mar 29 (Sat)	05:53	06:14	86	12:21	82S	18:27	274	18:49
2025 Mar 30 (Sun)	05:52	06:14	86	12:20	82S	18:27	274	18:49
2025 Mar 31 (Mon)	05:52	06:13	86	12:20	82S	18:27	275	18:49
2025 Apr 01 (Tue)	05:51	06:12	85	12:20	83S	18:27	275	18:49
2025 Apr 02 (Wed)	05:50	06:12	85	12:20	83S	18:28	275	18:49
2025 Apr 03 (Thu)	05:50	06:11	84	12:19	83S	18:28	276	18:49
2025 Apr 04 (Fri)	05:49	06:10	84	12:19	84S	18:28	276	18:49
2025 Apr 05 (Sat)	05:49	06:10	84	12:19	84S	18:28	277	18:49
2025 Apr 06 (Sun)	05:48	06:09	83	12:18	85S	18:28	277	18:49
2025 Apr 07 (Mon)	05:47	06:09	83	12:18	85S	18:28	277	18:49
2025 Apr 08 (Tue)	05:47	06:08	82	12:18	85S	18:28	278	18:49
2025 Apr 09 (Wed)	05:46	06:07	82	12:18	86S	18:28	278	18:49
2025 Apr 10 (Thu)	05:45	06:07	82	12:17	86S	18:28	279	18:50
2025 Apr 11 (Fri)	05:45	06:06	81	12:17	86S	18:28	279	18:50
2025 Apr 12 (Sat)	05:44	06:06	81	12:17	87S	18:28	279	18:50
2025 Apr 13 (Sun)	05:43	06:05	81	12:17	87S	18:28	280	18:50
2025 Apr 14 (Mon)	05:43	06:04	80	12:16	88S	18:28	280	18:50
2025 Apr 15 (Tue)	05:42	06:04	80	12:16	88S	18:28	280	18:50
2025 Apr 16 (Wed)	05:42	06:03	79	12:16	88S	18:29	281	18:50
2025 Apr 17 (Thu)	05:41	06:03	79	12:16	89S	18:29	281	18:50
2025 Apr 18 (Fri)	05:40	06:02	79	12:15	89S	18:29	281	18:50
2025 Apr 19 (Sat)	05:40	06:02	78	12:15	89S	18:29	282	18:51
2025 Apr 20 (Sun)	05:39	06:01	78	12:15	90S	18:29	282	18:51
2025 Apr 21 (Mon)	05:39	06:00	78	12:15	90S	18:29	283	18:51
2025 Apr 22 (Tue)	05:38	06:00	77	12:14	90S	18:29	283	18:51
2025 Apr 23 (Wed)	05:38	05:59	77	12:14	91S	18:29	283	18:51
2025 Apr 24 (Thu)	05:37	05:59	77	12:14	90N	18:30	284	18:51
2025 Apr 25 (Fri)	05:37	05:58	76	12:14	90N	18:30	284	18:52
2025 Apr 26 (Sat)	05:36	05:58	76	12:14	90N	18:30	284	18:52
2025 Apr 27 (Sun)	05:36	05:57	76	12:14	89N	18:30	285	18:52
2025 Apr 28 (Mon)	05:35	05:57	75	12:13	89N	18:30	285	18:52
2025 Apr 29 (Tue)	05:35	05:57	75	12:13	89N	18:30	285	18:52
2025 Apr 30 (Wed)	05:34	05:56	75	12:13	89N	18:30	286	18:53
2025 May 01 (Thu)	05:34	05:56	74	12:13	88N	18:31	286	18:53
2025 May 02 (Fri)	05:33	05:55	74	12:13	88N	18:31	286	18:53
2025 May 03 (Sat)	05:33	05:55	74	12:13	88N	18:31	286	18:53
2025 May 04 (Sun)	05:32	05:55	73	12:13	87N	18:31	287	18:53
2025 May 05 (Mon)	05:32	05:54	73	12:13	87N	18:31	287	18:54
2025 May 06 (Tue)	05:32	05:54	73	12:13	87N	18:32	287	18:54
2025 May 07 (Wed)	05:31	05:53	73	12:13	87N	18:32	288	18:54
2025 May 08 (Thu)	05:31	05:53	72	12:12	86N	18:32	288	18:54
2025 May 09 (Fri)	05:30	05:53	72	12:12	86N	18:32	288	18:55
2025 May 10 (Sat)	05:30	05:52	72	12:12	86N	18:33	288	18:55
2025 May 11 (Sun)	05:30	05:52	71	12:12	85N	18:33	289	18:55
2025 May 12 (Mon)	05:29	05:52	71	12:12	85N	18:33	289	18:55
2025 May 13 (Tue)	05:29	05:52	71	12:12	85N	18:33	289	18:56
2025 May 14 (Wed)	05:29	05:51	71	12:12	85N	18:33	289	18:56
2025 May 15 (Thu)	05:29	05:51	70	12:12	84N	18:34	290	18:56
2025 May 16 (Fri)	05:28	05:51	70	12:12	84N	18:34	290	18:57
2025 May 17 (Sat)	05:28	05:51	70	12:12	84N	18:34	290	18:57
2025 May 18 (Sun)	05:28	05:50	70	12:12	84N	18:35	290	18:57
2025 May 19 (Mon)	05:28	05:50	70	12:12	84N	18:35	291	18:58
2025 May 20 (Tue)	05:27	05:50	69	12:13	83N	18:35	291	18:58
2025 May 21 (Wed)	05:27	05:50	69	12:13	83N	18:35	291	18:58
2025 May 22 (Thu)	05:27	05:50	69	12:13	83N	18:36	291	18:58
2025 May 23 (Fri)	05:27	05:50	69	12:13	83N	18:36	291	18:59
2025 May 24 (Sat)	05:27	05:50	68	12:13	83N	18:36	292	18:59
2025 May 25 (Sun)	05:27	05:49	68	12:13	82N	18:36	292	18:59
2025 May 26 (Mon)	05:26	05:49	68	12:13	82N	18:37	292	19:00

2025	May	27	(Tue)	05:26	05:49	68	12:13	82N	18:37	292	19:00
2025	May	28	(Wed)	05:26	05:49	68	12:13	82N	18:37	292	19:00
2025	May	29	(Thu)	05:26	05:49	68	12:13	82N	18:38	292	19:01
2025	May	30	(Fri)	05:26	05:49	67	12:14	82N	18:38	293	19:01
2025	May	31	(Sat)	05:26	05:49	67	12:14	81N	18:38	293	19:01
2025	Jun	01	(Sun)	05:26	05:49	67	12:14	81N	18:39	293	19:02
2025	Jun	02	(Mon)	05:26	05:49	67	12:14	81N	18:39	293	19:02
2025	Jun	03	(Tue)	05:26	05:49	67	12:14	81N	18:39	293	19:02
2025	Jun	04	(Wed)	05:26	05:49	67	12:14	81N	18:39	293	19:03
2025	Jun	05	(Thu)	05:26	05:49	67	12:15	81N	18:40	293	19:03
2025	Jun	06	(Fri)	05:26	05:49	67	12:15	81N	18:40	294	19:03
2025	Jun	07	(Sat)	05:26	05:49	66	12:15	81N	18:40	294	19:04
2025	Jun	08	(Sun)	05:26	05:50	66	12:15	81N	18:41	294	19:04
2025	Jun	09	(Mon)	05:26	05:50	66	12:15	80N	18:41	294	19:04
2025	Jun	10	(Tue)	05:26	05:50	66	12:15	80N	18:41	294	19:05
2025	Jun	11	(Wed)	05:27	05:50	66	12:16	80N	18:41	294	19:05
2025	Jun	12	(Thu)	05:27	05:50	66	12:16	80N	18:42	294	19:05
2025	Jun	13	(Fri)	05:27	05:50	66	12:16	80N	18:42	294	19:05
2025	Jun	14	(Sat)	05:27	05:50	66	12:16	80N	18:42	294	19:06
2025	Jun	15	(Sun)	05:27	05:50	66	12:17	80N	18:43	294	19:06
2025	Jun	16	(Mon)	05:27	05:51	66	12:17	80N	18:43	294	19:06
2025	Jun	17	(Tue)	05:27	05:51	66	12:17	80N	18:43	294	19:06
2025	Jun	18	(Wed)	05:28	05:51	66	12:17	80N	18:43	294	19:07
2025	Jun	19	(Thu)	05:28	05:51	66	12:17	80N	18:44	294	19:07
2025	Jun	20	(Fri)	05:28	05:51	66	12:18	80N	18:44	294	19:07
2025	Jun	21	(Sat)	05:28	05:52	66	12:18	80N	18:44	294	19:07
2025	Jun	22	(Sun)	05:28	05:52	66	12:18	80N	18:44	294	19:08
2025	Jun	23	(Mon)	05:29	05:52	66	12:18	80N	18:44	294	19:08
2025	Jun	24	(Tue)	05:29	05:52	66	12:18	80N	18:45	294	19:08
2025	Jun	25	(Wed)	05:29	05:53	66	12:19	80N	18:45	294	19:08
2025	Jun	26	(Thu)	05:29	05:53	66	12:19	80N	18:45	294	19:08
2025	Jun	27	(Fri)	05:30	05:53	66	12:19	80N	18:45	294	19:08
2025	Jun	28	(Sat)	05:30	05:53	66	12:19	80N	18:45	294	19:09
2025	Jun	29	(Sun)	05:30	05:54	66	12:20	80N	18:45	294	19:09
2025	Jun	30	(Mon)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025	Jul	01	(Tue)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025	Jul	02	(Wed)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025	Jul	03	(Thu)	05:31	05:55	66	12:20	80N	18:46	294	19:09
2025	Jul	04	(Fri)	05:32	05:55	66	12:20	81N	18:46	294	19:09
2025	Jul	05	(Sat)	05:32	05:55	66	12:21	81N	18:46	294	19:09
2025	Jul	06	(Sun)	05:32	05:55	67	12:21	81N	18:46	293	19:09
2025	Jul	07	(Mon)	05:33	05:56	67	12:21	81N	18:46	293	19:09
2025	Jul	08	(Tue)	05:33	05:56	67	12:21	81N	18:46	293	19:09
2025	Jul	09	(Wed)	05:33	05:56	67	12:21	81N	18:46	293	19:09
2025	Jul	10	(Thu)	05:33	05:57	67	12:21	81N	18:46	293	19:09
2025	Jul	11	(Fri)	05:34	05:57	67	12:22	81N	18:46	293	19:09
2025	Jul	12	(Sat)	05:34	05:57	67	12:22	81N	18:46	293	19:09
2025	Jul	13	(Sun)	05:34	05:57	67	12:22	82N	18:46	293	19:09
2025	Jul	14	(Mon)	05:35	05:58	68	12:22	82N	18:46	292	19:09
2025	Jul	15	(Tue)	05:35	05:58	68	12:22	82N	18:46	292	19:09
2025	Jul	16	(Wed)	05:35	05:58	68	12:22	82N	18:46	292	19:09
2025	Jul	17	(Thu)	05:36	05:59	68	12:22	82N	18:46	292	19:09
2025	Jul	18	(Fri)	05:36	05:59	68	12:22	82N	18:46	292	19:09
2025	Jul	19	(Sat)	05:36	05:59	68	12:22	83N	18:46	291	19:08
2025	Jul	20	(Sun)	05:36	05:59	69	12:22	83N	18:45	291	19:08
2025	Jul	21	(Mon)	05:37	06:00	69	12:22	83N	18:45	291	19:08
2025	Jul	22	(Tue)	05:37	06:00	69	12:22	83N	18:45	291	19:08
2025	Jul	23	(Wed)	05:37	06:00	69	12:23	83N	18:45	291	19:08
2025	Jul	24	(Thu)	05:38	06:00	69	12:23	84N	18:45	290	19:07
2025	Jul	25	(Fri)	05:38	06:01	70	12:23	84N	18:45	290	19:07
2025	Jul	26	(Sat)	05:38	06:01	70	12:23	84N	18:44	290	19:07
2025	Jul	27	(Sun)	05:38	06:01	70	12:23	84N	18:44	290	19:07
2025	Jul	28	(Mon)	05:39	06:01	70	12:23	84N	18:44	290	19:06
2025	Jul	29	(Tue)	05:39	06:01	71	12:23	85N	18:43	289	19:06
2025	Jul	30	(Wed)	05:39	06:02	71	12:22	85N	18:43	289	19:06
2025	Jul	31	(Thu)	05:39	06:02	71	12:22	85N	18:43	289	19:05
2025	Aug	01	(Fri)	05:40	06:02	71	12:22	85N	18:43	289	19:05

2025	Aug	02	(Sat)	05:40	06:02	72	12:22	86N	18:42	288	19:05
2025	Aug	03	(Sun)	05:40	06:02	72	12:22	86N	18:42	288	19:04
2025	Aug	04	(Mon)	05:40	06:03	72	12:22	86N	18:42	288	19:04
2025	Aug	05	(Tue)	05:40	06:03	72	12:22	86N	18:41	287	19:03
2025	Aug	06	(Wed)	05:41	06:03	73	12:22	87N	18:41	287	19:03
2025	Aug	07	(Thu)	05:41	06:03	73	12:22	87N	18:40	287	19:03
2025	Aug	08	(Fri)	05:41	06:03	73	12:22	87N	18:40	287	19:02
2025	Aug	09	(Sat)	05:41	06:03	74	12:22	88N	18:40	286	19:02
2025	Aug	10	(Sun)	05:41	06:04	74	12:21	88N	18:39	286	19:01
2025	Aug	11	(Mon)	05:42	06:04	74	12:21	88N	18:39	286	19:01
2025	Aug	12	(Tue)	05:42	06:04	74	12:21	89N	18:38	285	19:00
2025	Aug	13	(Wed)	05:42	06:04	75	12:21	89N	18:38	285	19:00
2025	Aug	14	(Thu)	05:42	06:04	75	12:21	89N	18:37	285	18:59
2025	Aug	15	(Fri)	05:42	06:04	75	12:21	89N	18:37	284	18:59
2025	Aug	16	(Sat)	05:42	06:04	76	12:20	90N	18:36	284	18:58
2025	Aug	17	(Sun)	05:42	06:04	76	12:20	90N	18:36	284	18:58
2025	Aug	18	(Mon)	05:43	06:04	76	12:20	90N	18:35	283	18:57
2025	Aug	19	(Tue)	05:43	06:05	77	12:20	91S	18:35	283	18:56
2025	Aug	20	(Wed)	05:43	06:05	77	12:19	90S	18:34	283	18:56
2025	Aug	21	(Thu)	05:43	06:05	77	12:19	90S	18:33	282	18:55
2025	Aug	22	(Fri)	05:43	06:05	78	12:19	90S	18:33	282	18:55
2025	Aug	23	(Sat)	05:43	06:05	78	12:19	89S	18:32	282	18:54
2025	Aug	24	(Sun)	05:43	06:05	78	12:18	89S	18:32	281	18:53
2025	Aug	25	(Mon)	05:43	06:05	79	12:18	89S	18:31	281	18:53
2025	Aug	26	(Tue)	05:43	06:05	79	12:18	88S	18:31	281	18:52
2025	Aug	27	(Wed)	05:43	06:05	79	12:18	88S	18:30	280	18:51
2025	Aug	28	(Thu)	05:44	06:05	80	12:17	88S	18:29	280	18:51
2025	Aug	29	(Fri)	05:44	06:05	80	12:17	87S	18:29	280	18:50
2025	Aug	30	(Sat)	05:44	06:05	81	12:17	87S	18:28	279	18:50
2025	Aug	31	(Sun)	05:44	06:05	81	12:16	87S	18:27	279	18:49
2025	Sep	01	(Mon)	05:44	06:05	81	12:16	86S	18:27	278	18:48
2025	Sep	02	(Tue)	05:44	06:05	82	12:16	86S	18:26	278	18:47
2025	Sep	03	(Wed)	05:44	06:05	82	12:15	85S	18:25	278	18:47
2025	Sep	04	(Thu)	05:44	06:05	82	12:15	85S	18:25	277	18:46
2025	Sep	05	(Fri)	05:44	06:05	83	12:15	85S	18:24	277	18:45
2025	Sep	06	(Sat)	05:44	06:05	83	12:14	84S	18:23	277	18:45
2025	Sep	07	(Sun)	05:44	06:05	84	12:14	84S	18:23	276	18:44
2025	Sep	08	(Mon)	05:44	06:05	84	12:14	84S	18:22	276	18:43
2025	Sep	09	(Tue)	05:44	06:05	84	12:13	83S	18:21	275	18:43
2025	Sep	10	(Wed)	05:44	06:05	85	12:13	83S	18:21	275	18:42
2025	Sep	11	(Thu)	05:44	06:05	85	12:13	82S	18:20	275	18:41
2025	Sep	12	(Fri)	05:44	06:05	86	12:12	82S	18:19	274	18:40
2025	Sep	13	(Sat)	05:44	06:05	86	12:12	82S	18:18	274	18:40
2025	Sep	14	(Sun)	05:44	06:05	86	12:12	81S	18:18	273	18:39
2025	Sep	15	(Mon)	05:44	06:05	87	12:11	81S	18:17	273	18:38
2025	Sep	16	(Tue)	05:44	06:05	87	12:11	81S	18:16	273	18:38
2025	Sep	17	(Wed)	05:44	06:05	88	12:11	80S	18:16	272	18:37
2025	Sep	18	(Thu)	05:44	06:05	88	12:10	80S	18:15	272	18:36
2025	Sep	19	(Fri)	05:44	06:05	88	12:10	79S	18:14	271	18:35
2025	Sep	20	(Sat)	05:44	06:05	89	12:09	79S	18:14	271	18:35
2025	Sep	21	(Sun)	05:44	06:05	89	12:09	79S	18:13	271	18:34
2025	Sep	22	(Mon)	05:44	06:05	89	12:09	78S	18:12	270	18:33
2025	Sep	23	(Tue)	05:44	06:05	90	12:08	78S	18:11	270	18:33
2025	Sep	24	(Wed)	05:44	06:05	90	12:08	77S	18:11	270	18:32
2025	Sep	25	(Thu)	05:44	06:05	91	12:08	77S	18:10	269	18:31
2025	Sep	26	(Fri)	05:44	06:05	91	12:07	77S	18:09	269	18:31
2025	Sep	27	(Sat)	05:44	06:05	91	12:07	76S	18:09	268	18:30
2025	Sep	28	(Sun)	05:44	06:05	92	12:07	76S	18:08	268	18:29
2025	Sep	29	(Mon)	05:44	06:05	92	12:06	76S	18:07	268	18:29
2025	Sep	30	(Tue)	05:44	06:05	93	12:06	75S	18:07	267	18:28
2025	Oct	01	(Wed)	05:44	06:05	93	12:06	75S	18:06	267	18:27
2025	Oct	02	(Thu)	05:44	06:05	93	12:05	74S	18:05	266	18:27
2025	Oct	03	(Fri)	05:44	06:05	94	12:05	74S	18:05	266	18:26
2025	Oct	04	(Sat)	05:44	06:05	94	12:05	74S	18:04	266	18:25
2025	Oct	05	(Sun)	05:44	06:05	95	12:04	73S	18:03	265	18:25
2025	Oct	06	(Mon)	05:44	06:05	95	12:04	73S	18:03	265	18:24
2025	Oct	07	(Tue)	05:44	06:05	95	12:04	72S	18:02	264	18:23

2025	Oct	08	(Wed)	05:44	06:06	96	12:04	72S	18:01	264	18:23
2025	Oct	09	(Thu)	05:44	06:06	96	12:03	72S	18:01	264	18:22
2025	Oct	10	(Fri)	05:44	06:06	97	12:03	71S	18:00	263	18:22
2025	Oct	11	(Sat)	05:44	06:06	97	12:03	71S	18:00	263	18:21
2025	Oct	12	(Sun)	05:44	06:06	97	12:03	71S	17:59	262	18:20
2025	Oct	13	(Mon)	05:45	06:06	98	12:02	70S	17:58	262	18:20
2025	Oct	14	(Tue)	05:45	06:06	98	12:02	70S	17:58	262	18:19
2025	Oct	15	(Wed)	05:45	06:06	99	12:02	69S	17:57	261	18:19
2025	Oct	16	(Thu)	05:45	06:06	99	12:02	69S	17:57	261	18:18
2025	Oct	17	(Fri)	05:45	06:06	99	12:01	69S	17:56	261	18:18
2025	Oct	18	(Sat)	05:45	06:07	100	12:01	68S	17:56	260	18:17
2025	Oct	19	(Sun)	05:45	06:07	100	12:01	68S	17:55	260	18:17
2025	Oct	20	(Mon)	05:45	06:07	100	12:01	68S	17:55	259	18:16
2025	Oct	21	(Tue)	05:45	06:07	101	12:01	67S	17:54	259	18:16
2025	Oct	22	(Wed)	05:46	06:07	101	12:00	67S	17:54	259	18:15
2025	Oct	23	(Thu)	05:46	06:07	102	12:00	67S	17:53	258	18:15
2025	Oct	24	(Fri)	05:46	06:07	102	12:00	66S	17:53	258	18:14
2025	Oct	25	(Sat)	05:46	06:08	102	12:00	66S	17:52	258	18:14
2025	Oct	26	(Sun)	05:46	06:08	103	12:00	65S	17:52	257	18:14
2025	Oct	27	(Mon)	05:46	06:08	103	12:00	65S	17:52	257	18:13
2025	Oct	28	(Tue)	05:47	06:08	103	12:00	65S	17:51	257	18:13
2025	Oct	29	(Wed)	05:47	06:09	104	12:00	64S	17:51	256	18:12
2025	Oct	30	(Thu)	05:47	06:09	104	12:00	64S	17:50	256	18:12
2025	Oct	31	(Fri)	05:47	06:09	104	12:00	64S	17:50	256	18:12
2025	Nov	01	(Sat)	05:48	06:09	105	12:00	64S	17:50	255	18:12
2025	Nov	02	(Sun)	05:48	06:10	105	12:00	63S	17:49	255	18:11
2025	Nov	03	(Mon)	05:48	06:10	105	12:00	63S	17:49	255	18:11
2025	Nov	04	(Tue)	05:48	06:10	106	12:00	63S	17:49	254	18:11
2025	Nov	05	(Wed)	05:49	06:11	106	12:00	62S	17:49	254	18:11
2025	Nov	06	(Thu)	05:49	06:11	106	12:00	62S	17:48	254	18:10
2025	Nov	07	(Fri)	05:49	06:11	107	12:00	62S	17:48	253	18:10
2025	Nov	08	(Sat)	05:49	06:12	107	12:00	61S	17:48	253	18:10
2025	Nov	09	(Sun)	05:50	06:12	107	12:00	61S	17:48	253	18:10
2025	Nov	10	(Mon)	05:50	06:12	107	12:00	61S	17:47	252	18:10
2025	Nov	11	(Tue)	05:50	06:13	108	12:00	61S	17:47	252	18:09
2025	Nov	12	(Wed)	05:51	06:13	108	12:00	60S	17:47	252	18:09
2025	Nov	13	(Thu)	05:51	06:13	108	12:00	60S	17:47	252	18:09
2025	Nov	14	(Fri)	05:52	06:14	108	12:00	60S	17:47	251	18:09
2025	Nov	15	(Sat)	05:52	06:14	109	12:01	59S	17:47	251	18:09
2025	Nov	16	(Sun)	05:52	06:15	109	12:01	59S	17:47	251	18:09
2025	Nov	17	(Mon)	05:53	06:15	109	12:01	59S	17:47	251	18:09
2025	Nov	18	(Tue)	05:53	06:15	110	12:01	59S	17:47	250	18:09
2025	Nov	19	(Wed)	05:54	06:16	110	12:01	59S	17:47	250	18:09
2025	Nov	20	(Thu)	05:54	06:16	110	12:02	58S	17:47	250	18:09
2025	Nov	21	(Fri)	05:54	06:17	110	12:02	58S	17:47	250	18:09
2025	Nov	22	(Sat)	05:55	06:17	110	12:02	58S	17:47	249	18:09
2025	Nov	23	(Sun)	05:55	06:18	111	12:02	58S	17:47	249	18:09
2025	Nov	24	(Mon)	05:56	06:18	111	12:03	57S	17:47	249	18:10
2025	Nov	25	(Tue)	05:56	06:19	111	12:03	57S	17:47	249	18:10
2025	Nov	26	(Wed)	05:57	06:19	111	12:03	57S	17:47	249	18:10
2025	Nov	27	(Thu)	05:57	06:20	111	12:04	57S	17:47	248	18:10
2025	Nov	28	(Fri)	05:58	06:20	112	12:04	57S	17:47	248	18:10
2025	Nov	29	(Sat)	05:58	06:21	112	12:04	57S	17:48	248	18:10
2025	Nov	30	(Sun)	05:59	06:21	112	12:05	56S	17:48	248	18:11
2025	Dec	01	(Mon)	05:59	06:22	112	12:05	56S	17:48	248	18:11
2025	Dec	02	(Tue)	06:00	06:22	112	12:05	56S	17:48	248	18:11
2025	Dec	03	(Wed)	06:00	06:23	112	12:06	56S	17:49	247	18:11
2025	Dec	04	(Thu)	06:01	06:23	113	12:06	56S	17:49	247	18:12
2025	Dec	05	(Fri)	06:01	06:24	113	12:07	56S	17:49	247	18:12
2025	Dec	06	(Sat)	06:02	06:25	113	12:07	56S	17:49	247	18:12
2025	Dec	07	(Sun)	06:02	06:25	113	12:07	55S	17:50	247	18:13
2025	Dec	08	(Mon)	06:03	06:26	113	12:08	55S	17:50	247	18:13
2025	Dec	09	(Tue)	06:03	06:26	113	12:08	55S	17:50	247	18:13
2025	Dec	10	(Wed)	06:04	06:27	113	12:09	55S	17:51	247	18:14
2025	Dec	11	(Thu)	06:04	06:27	113	12:09	55S	17:51	247	18:14
2025	Dec	12	(Fri)	06:05	06:28	113	12:10	55S	17:51	246	18:14
2025	Dec	13	(Sat)	06:05	06:28	114	12:10	55S	17:52	246	18:15

2025	Dec 14	(Sun)	06:06	06:29	114	12:11	55S	17:52	246	18:15
2025	Dec 15	(Mon)	06:06	06:29	114	12:11	55S	17:53	246	18:16
2025	Dec 16	(Tue)	06:07	06:30	114	12:12	55S	17:53	246	18:16
2025	Dec 17	(Wed)	06:07	06:31	114	12:12	55S	17:54	246	18:17
2025	Dec 18	(Thu)	06:08	06:31	114	12:13	55S	17:54	246	18:17
2025	Dec 19	(Fri)	06:09	06:32	114	12:13	55S	17:55	246	18:18
2025	Dec 20	(Sat)	06:09	06:32	114	12:14	55S	17:55	246	18:18
2025	Dec 21	(Sun)	06:10	06:33	114	12:14	55S	17:56	246	18:19
2025	Dec 22	(Mon)	06:10	06:33	114	12:15	55S	17:56	246	18:19
2025	Dec 23	(Tue)	06:11	06:34	114	12:15	55S	17:57	246	18:20
2025	Dec 24	(Wed)	06:11	06:34	114	12:16	55S	17:57	246	18:20
2025	Dec 25	(Thu)	06:11	06:35	114	12:16	55S	17:58	246	18:21
2025	Dec 26	(Fri)	06:12	06:35	114	12:17	55S	17:58	246	18:21
2025	Dec 27	(Sat)	06:12	06:35	114	12:17	55S	17:59	246	18:22
2025	Dec 28	(Sun)	06:13	06:36	114	12:18	55S	17:59	246	18:22
2025	Dec 29	(Mon)	06:13	06:36	114	12:18	55S	18:00	246	18:23
2025	Dec 30	(Tue)	06:14	06:37	114	12:18	55S	18:00	246	18:23
2025	Dec 31	(Wed)	06:14	06:37	114	12:19	55S	18:01	247	18:24

Moon

VTMU

Location: E101°00'00.0", N12°41'00.0", 59m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:46	116		13:34	52S		19:23	245	
2025 Jan 02 (Thu)	08:37	113		14:28	57S		20:22	250	
2025 Jan 03 (Fri)	09:24	107		15:20	62S		21:18	255	
2025 Jan 04 (Sat)	10:08	101		16:09	68S		22:13	262	
2025 Jan 05 (Sun)	10:49	94		16:56	75S		23:07	269	
2025 Jan 06 (Mon)	11:30	87		17:43	82S				
2025 Jan 07 (Tue)	12:11	80		18:32	89S		00:00	276	
2025 Jan 08 (Wed)	12:55	74		19:23	86N		00:56	283	
2025 Jan 09 (Thu)	13:43	68		20:17	81N		01:53	289	
2025 Jan 10 (Fri)	14:35	64		21:15	77N		02:54	294	
2025 Jan 11 (Sat)	15:33	61		22:16	75N		03:57	298	
2025 Jan 12 (Sun)	16:34	61		23:17	75N		05:00	299	
2025 Jan 13 (Mon)	17:35	62					06:00	299	
2025 Jan 14 (Tue)	18:35	65		00:17	77N		06:56	296	
2025 Jan 15 (Wed)	19:31	70		01:12	80N		07:46	292	
2025 Jan 16 (Thu)	20:23	75		02:02	85N		08:30	288	
2025 Jan 17 (Fri)	21:12	81		02:48	90N		09:09	282	
2025 Jan 18 (Sat)	21:58	87		03:30	85S		09:46	276	
2025 Jan 19 (Sun)	22:43	93		04:11	79S		10:20	270	
2025 Jan 20 (Mon)	23:28	99		04:50	73S		10:54	264	
2025 Jan 21 (Tue)				05:29	68S		11:28	258	
2025 Jan 22 (Wed)	00:14	104		06:10	62S		12:05	253	
2025 Jan 23 (Thu)	01:01	110		06:54	57S		12:44	248	
2025 Jan 24 (Fri)	01:52	114		07:41	53S		13:28	245	
2025 Jan 25 (Sat)	02:45	117		08:31	51S		14:16	242	
2025 Jan 26 (Sun)	03:41	119		09:26	49S		15:10	241	
2025 Jan 27 (Mon)	04:38	119		10:23	49S		16:08	241	
2025 Jan 28 (Tue)	05:35	118		11:21	51S		17:09	244	
2025 Jan 29 (Wed)	06:28	114		12:17	55S		18:09	248	
2025 Jan 30 (Thu)	07:17	110		13:11	60S		19:08	253	
2025 Jan 31 (Fri)	08:03	104		14:03	66S		20:05	260	
2025 Feb 01 (Sat)	08:47	97		14:52	73S		21:01	267	
2025 Feb 02 (Sun)	09:29	89		15:40	80S		21:56	274	
2025 Feb 03 (Mon)	10:10	82		16:29	87S		22:51	281	
2025 Feb 04 (Tue)	10:54	76		17:19	88N		23:48	288	
2025 Feb 05 (Wed)	11:40	70		18:13	82N				
2025 Feb 06 (Thu)	12:31	65		19:09	78N		00:48	293	

2025 Feb 07 (Fri)	13:26 62	20:08 75N	01:49 297
2025 Feb 08 (Sat)	14:24 61	21:08 75N	02:51 299
2025 Feb 09 (Sun)	15:25 61	22:07 76N	03:52 299
2025 Feb 10 (Mon)	16:24 64	23:03 79N	04:48 297
2025 Feb 11 (Tue)	17:21 68	23:54 83N	05:39 294
2025 Feb 12 (Wed)	18:14 73		06:24 290
2025 Feb 13 (Thu)	19:04 79	00:41 88N	07:05 284
2025 Feb 14 (Fri)	19:51 85	01:25 88S	07:42 278
2025 Feb 15 (Sat)	20:37 91	02:06 82S	08:18 272
2025 Feb 16 (Sun)	21:22 97	02:46 76S	08:52 266
2025 Feb 17 (Mon)	22:07 102	03:25 70S	09:26 260
2025 Feb 18 (Tue)	22:54 108	04:05 64S	10:01 255
2025 Feb 19 (Wed)	23:43 112	04:47 59S	10:39 250
2025 Feb 20 (Thu)		05:32 55S	11:21 246
2025 Feb 21 (Fri)	00:34 116	06:21 51S	12:06 243
2025 Feb 22 (Sat)	01:28 118	07:13 49S	12:57 241
2025 Feb 23 (Sun)	02:24 119	08:08 49S	13:52 241
2025 Feb 24 (Mon)	03:20 119	09:05 50S	14:51 242
2025 Feb 25 (Tue)	04:14 116	10:02 53S	15:51 245
2025 Feb 26 (Wed)	05:05 112	10:57 57S	16:51 250
2025 Feb 27 (Thu)	05:53 107	11:50 63S	17:50 256
2025 Feb 28 (Fri)	06:38 100	12:41 70S	18:47 264
2025 Mar 01 (Sat)	07:22 93	13:31 77S	19:44 271
2025 Mar 02 (Sun)	08:05 85	14:21 84S	20:41 279
2025 Mar 03 (Mon)	08:49 78	15:13 90N	21:40 286
2025 Mar 04 (Tue)	09:36 71	16:06 84N	22:40 291
2025 Mar 05 (Wed)	10:26 66	17:03 79N	23:43 296
2025 Mar 06 (Thu)	11:21 63	18:02 76N	
2025 Mar 07 (Fri)	12:19 61	19:03 74N	00:45 299
2025 Mar 08 (Sat)	13:19 61	20:02 75N	01:47 299
2025 Mar 09 (Sun)	14:18 63	20:58 77N	02:44 298
2025 Mar 10 (Mon)	15:15 66	21:50 81N	03:36 295
2025 Mar 11 (Tue)	16:09 71	22:38 86N	04:22 291
2025 Mar 12 (Wed)	16:59 76	23:22 90S	05:04 286
2025 Mar 13 (Thu)	17:46 82		05:42 281
2025 Mar 14 (Fri)	18:32 88	00:03 84S	06:17 275
2025 Mar 15 (Sat)	19:17 95	00:43 78S	06:51 269
2025 Mar 16 (Sun)	20:02 100	01:22 72S	07:25 263
2025 Mar 17 (Mon)	20:48 106	02:02 66S	08:00 257
2025 Mar 18 (Tue)	21:36 111	02:44 61S	08:37 252
2025 Mar 19 (Wed)	22:27 115	03:27 56S	09:17 247
2025 Mar 20 (Thu)	23:19 118	04:14 53S	10:00 244
2025 Mar 21 (Fri)		05:04 50S	10:48 241
2025 Mar 22 (Sat)	00:13 119	05:57 49S	11:41 240
2025 Mar 23 (Sun)	01:08 119	06:52 49S	12:37 241
2025 Mar 24 (Mon)	02:01 118	07:47 51S	13:35 244
2025 Mar 25 (Tue)	02:53 114	08:42 55S	14:33 248
2025 Mar 26 (Wed)	03:41 110	09:35 60S	15:31 253
2025 Mar 27 (Thu)	04:27 104	10:26 66S	16:29 260
2025 Mar 28 (Fri)	05:11 97	11:16 73S	17:26 267
2025 Mar 29 (Sat)	05:54 89	12:07 81S	18:23 275
2025 Mar 30 (Sun)	06:39 82	12:59 88S	19:23 282
2025 Mar 31 (Mon)	07:25 74	13:53 86N	20:24 289
2025 Apr 01 (Tue)	08:16 68	14:51 81N	21:29 294
2025 Apr 02 (Wed)	09:11 64	15:52 77N	22:34 298
2025 Apr 03 (Thu)	10:10 61	16:54 75N	23:38 299
2025 Apr 04 (Fri)	11:11 61	17:55 75N	
2025 Apr 05 (Sat)	12:12 62	18:54 77N	00:38 299
2025 Apr 06 (Sun)	13:11 65	19:47 80N	01:33 296
2025 Apr 07 (Mon)	14:05 69	20:36 85N	02:21 293
2025 Apr 08 (Tue)	14:56 75	21:21 90N	03:04 288
2025 Apr 09 (Wed)	15:44 80	22:03 86S	03:42 282
2025 Apr 10 (Thu)	16:30 86	22:42 80S	04:18 277
2025 Apr 11 (Fri)	17:14 92	23:22 74S	04:52 271
2025 Apr 12 (Sat)	17:59 98		05:26 265
2025 Apr 13 (Sun)	18:45 104	00:01 68S	06:01 259
2025 Apr 14 (Mon)	19:32 109	00:42 63S	06:37 253

2025 Apr 15 (Tue)	20:22 113	01:25 58S	07:15 249
2025 Apr 16 (Wed)	21:14 117	02:11 54S	07:58 245
2025 Apr 17 (Thu)	22:07 119	02:59 51S	08:44 242
2025 Apr 18 (Fri)	23:01 119	03:51 49S	09:35 241
2025 Apr 19 (Sat)	23:54 118	04:45 49S	10:29 241
2025 Apr 20 (Sun)		05:39 50S	11:25 243
2025 Apr 21 (Mon)	00:45 116	06:32 53S	12:21 246
2025 Apr 22 (Tue)	01:32 112	07:24 57S	13:18 251
2025 Apr 23 (Wed)	02:18 106	08:14 63S	14:13 256
2025 Apr 24 (Thu)	03:01 100	09:03 69S	15:09 263
2025 Apr 25 (Fri)	03:43 93	09:52 77S	16:05 271
2025 Apr 26 (Sat)	04:26 86	10:43 84S	17:02 278
2025 Apr 27 (Sun)	05:12 78	11:35 90N	18:03 285
2025 Apr 28 (Mon)	06:01 71	12:32 84N	19:07 292
2025 Apr 29 (Tue)	06:55 66	13:33 79N	20:14 296
2025 Apr 30 (Wed)	07:54 62	14:37 75N	21:21 299
2025 May 01 (Thu)	08:57 61	15:41 75N	22:26 299
2025 May 02 (Fri)	10:00 61	16:43 76N	23:25 297
2025 May 03 (Sat)	11:02 64	17:40 79N	
2025 May 04 (Sun)	11:59 68	18:32 83N	00:17 294
2025 May 05 (Mon)	12:52 73	19:19 88N	01:02 289
2025 May 06 (Tue)	13:41 79	20:02 88S	01:43 284
2025 May 07 (Wed)	14:28 85	20:42 82S	02:19 278
2025 May 08 (Thu)	15:13 91	21:22 76S	02:54 272
2025 May 09 (Fri)	15:57 97	22:01 70S	03:28 266
2025 May 10 (Sat)	16:42 102	22:41 64S	04:02 261
2025 May 11 (Sun)	17:29 108	23:23 59S	04:37 255
2025 May 12 (Mon)	18:18 112		05:15 250
2025 May 13 (Tue)	19:09 116	00:08 55S	05:56 246
2025 May 14 (Wed)	20:02 118	00:56 52S	06:42 243
2025 May 15 (Thu)	20:56 119	01:47 50S	07:31 241
2025 May 16 (Fri)	21:50 119	02:40 49S	08:24 241
2025 May 17 (Sat)	22:41 117	03:34 50S	09:19 242
2025 May 18 (Sun)	23:29 113	04:27 52S	10:15 245
2025 May 19 (Mon)		05:19 56S	11:11 249
2025 May 20 (Tue)	00:14 108	06:08 61S	12:05 254
2025 May 21 (Wed)	00:56 102	06:56 67S	12:58 261
2025 May 22 (Thu)	01:37 96	07:43 74S	13:52 268
2025 May 23 (Fri)	02:18 89	08:31 81S	14:47 275
2025 May 24 (Sat)	03:01 82	09:21 88S	15:44 282
2025 May 25 (Sun)	03:47 75	10:14 87N	16:45 289
2025 May 26 (Mon)	04:38 69	11:12 81N	17:50 294
2025 May 27 (Tue)	05:34 64	12:15 77N	18:58 298
2025 May 28 (Wed)	06:36 61	13:21 75N	20:06 299
2025 May 29 (Thu)	07:41 61	14:26 75N	21:09 298
2025 May 30 (Fri)	08:46 63	15:27 77N	22:06 296
2025 May 31 (Sat)	09:47 66	16:23 81N	22:55 291
2025 Jun 01 (Sun)	10:44 71	17:13 86N	23:39 286
2025 Jun 02 (Mon)	11:35 77	17:58 90S	
2025 Jun 03 (Tue)	12:24 83	18:40 84S	00:18 280
2025 Jun 04 (Wed)	13:09 89	19:20 78S	00:54 274
2025 Jun 05 (Thu)	13:54 95	19:59 72S	01:28 268
2025 Jun 06 (Fri)	14:39 101	20:39 66S	02:02 262
2025 Jun 07 (Sat)	15:25 106	21:21 61S	02:37 257
2025 Jun 08 (Sun)	16:13 111	22:05 56S	03:14 252
2025 Jun 09 (Mon)	17:04 115	22:52 53S	03:54 247
2025 Jun 10 (Tue)	17:57 118	23:42 50S	04:38 244
2025 Jun 11 (Wed)	18:51 119		05:27 242
2025 Jun 12 (Thu)	19:45 119	00:35 49S	06:19 241
2025 Jun 13 (Fri)	20:37 117	01:30 49S	07:15 242
2025 Jun 14 (Sat)	21:27 114	02:23 51S	08:11 244
2025 Jun 15 (Sun)	22:12 110	03:16 55S	09:07 248
2025 Jun 16 (Mon)	22:55 104	04:05 60S	10:01 253
2025 Jun 17 (Tue)	23:36 98	04:53 65S	10:54 259
2025 Jun 18 (Wed)		05:40 72S	11:46 265
2025 Jun 19 (Thu)	00:16 91	06:26 79S	12:39 272
2025 Jun 20 (Fri)	00:56 84	07:13 85S	13:33 279

2025 Jun 21 (Sat)	01:39	77	08:03	89N	14:31	286
2025 Jun 22 (Sun)	02:26	71	08:58	83N	15:32	292
2025 Jun 23 (Mon)	03:19	66	09:57	78N	16:37	296
2025 Jun 24 (Tue)	04:17	62	11:00	76N	17:44	299
2025 Jun 25 (Wed)	05:21	61	12:05	75N	18:50	299
2025 Jun 26 (Thu)	06:26	62	13:09	76N	19:50	297
2025 Jun 27 (Fri)	07:30	65	14:08	79N	20:44	293
2025 Jun 28 (Sat)	08:30	69	15:02	84N	21:31	288
2025 Jun 29 (Sun)	09:25	74	15:50	90N	22:13	283
2025 Jun 30 (Mon)	10:15	80	16:35	86S	22:51	277
2025 Jul 01 (Tue)	11:03	86	17:16	80S	23:26	270
2025 Jul 02 (Wed)	11:49	93	17:56	74S		
2025 Jul 03 (Thu)	12:34	99	18:36	68S	00:01	264
2025 Jul 04 (Fri)	13:20	104	19:17	63S	00:35	259
2025 Jul 05 (Sat)	14:07	109	20:00	58S	01:12	253
2025 Jul 06 (Sun)	14:57	113	20:46	54S	01:51	249
2025 Jul 07 (Mon)	15:49	117	21:35	51S	02:33	245
2025 Jul 08 (Tue)	16:43	119	22:28	49S	03:20	242
2025 Jul 09 (Wed)	17:38	119	23:22	49S	04:12	241
2025 Jul 10 (Thu)	18:32	118			05:07	241
2025 Jul 11 (Fri)	19:23	115	00:17	51S	06:04	243
2025 Jul 12 (Sat)	20:10	111	01:11	54S	07:00	246
2025 Jul 13 (Sun)	20:54	106	02:02	58S	07:56	251
2025 Jul 14 (Mon)	21:36	100	02:51	64S	08:50	257
2025 Jul 15 (Tue)	22:16	93	03:38	70S	09:43	264
2025 Jul 16 (Wed)	22:56	86	04:24	77S	10:36	271
2025 Jul 17 (Thu)	23:37	79	05:11	84S	11:29	278
2025 Jul 18 (Fri)			05:59	90S	12:24	284
2025 Jul 19 (Sat)	00:22	73	06:51	85N	13:23	290
2025 Jul 20 (Sun)	01:11	67	07:46	80N	14:25	295
2025 Jul 21 (Mon)	02:06	63	08:46	76N	15:29	298
2025 Jul 22 (Tue)	03:05	61	09:50	75N	16:34	299
2025 Jul 23 (Wed)	04:09	61	10:53	75N	17:36	298
2025 Jul 24 (Thu)	05:13	63	11:54	78N	18:32	295
2025 Jul 25 (Fri)	06:14	67	12:50	82N	19:22	291
2025 Jul 26 (Sat)	07:12	72	13:40	87N	20:06	285
2025 Jul 27 (Sun)	08:05	78	14:27	89S	20:46	279
2025 Jul 28 (Mon)	08:54	84	15:10	82S	21:23	273
2025 Jul 29 (Tue)	09:41	90	15:51	76S	21:58	267
2025 Jul 30 (Wed)	10:27	96	16:31	70S	22:33	261
2025 Jul 31 (Thu)	11:13	102	17:12	64S	23:09	255
2025 Aug 01 (Fri)	12:00	107	17:55	59S	23:47	250
2025 Aug 02 (Sat)	12:49	112	18:39	55S		
2025 Aug 03 (Sun)	13:40	116	19:27	52S	00:28	246
2025 Aug 04 (Mon)	14:33	118	20:18	50S	01:13	243
2025 Aug 05 (Tue)	15:28	119	21:12	49S	02:02	241
2025 Aug 06 (Wed)	16:22	119	22:07	50S	02:56	241
2025 Aug 07 (Thu)	17:14	117	23:01	52S	03:52	242
2025 Aug 08 (Fri)	18:04	113	23:54	56S	04:50	245
2025 Aug 09 (Sat)	18:50	108			05:47	249
2025 Aug 10 (Sun)	19:33	102	00:45	61S	06:43	255
2025 Aug 11 (Mon)	20:14	95	01:34	68S	07:37	261
2025 Aug 12 (Tue)	20:55	88	02:21	74S	08:31	268
2025 Aug 13 (Wed)	21:37	81	03:08	82S	09:24	276
2025 Aug 14 (Thu)	22:20	74	03:56	88S	10:20	282
2025 Aug 15 (Fri)	23:08	69	04:47	87N	11:17	289
2025 Aug 16 (Sat)			05:42	81N	12:18	294
2025 Aug 17 (Sun)	00:00	64	06:40	77N	13:21	297
2025 Aug 18 (Mon)	00:58	61	07:41	75N	14:25	299
2025 Aug 19 (Tue)	01:59	61	08:43	75N	15:26	299
2025 Aug 20 (Wed)	03:01	62	09:43	76N	16:23	297
2025 Aug 21 (Thu)	04:02	65	10:40	80N	17:14	293
2025 Aug 22 (Fri)	05:01	70	11:32	85N	18:00	288
2025 Aug 23 (Sat)	05:55	75	12:20	90N	18:41	282
2025 Aug 24 (Sun)	06:45	81	13:04	85S	19:19	276
2025 Aug 25 (Mon)	07:34	88	13:46	79S	19:55	269
2025 Aug 26 (Tue)	08:20	94	14:26	73S	20:30	263

2025 Aug 27 (Wed)	09:06 100	15:07 67S	21:06 257
2025 Aug 28 (Thu)	09:53 105	15:49 61S	21:43 252
2025 Aug 29 (Fri)	10:41 110	16:33 57S	22:22 248
2025 Aug 30 (Sat)	11:31 114	17:19 53S	23:06 244
2025 Aug 31 (Sun)	12:23 117	18:09 50S	23:53 242
2025 Sep 01 (Mon)	13:17 119	19:01 49S	
2025 Sep 02 (Tue)	14:10 119	19:54 49S	00:44 241
2025 Sep 03 (Wed)	15:03 118	20:49 51S	01:39 241
2025 Sep 04 (Thu)	15:54 115	21:42 54S	02:35 243
2025 Sep 05 (Fri)	16:41 110	22:34 59S	03:33 247
2025 Sep 06 (Sat)	17:26 105	23:24 65S	04:29 252
2025 Sep 07 (Sun)	18:08 98		05:25 258
2025 Sep 08 (Mon)	18:50 91	00:12 71S	06:20 265
2025 Sep 09 (Tue)	19:33 84	01:01 79S	07:15 273
2025 Sep 10 (Wed)	20:17 77	01:50 86S	08:11 280
2025 Sep 11 (Thu)	21:04 70	02:41 89N	09:10 287
2025 Sep 12 (Fri)	21:56 65	03:36 83N	10:11 292
2025 Sep 13 (Sat)	22:52 62	04:34 78N	11:14 297
2025 Sep 14 (Sun)	23:53 61	05:35 75N	12:19 299
2025 Sep 15 (Mon)		06:37 74N	13:21 299
2025 Sep 16 (Tue)	00:55 61	07:38 76N	14:19 298
2025 Sep 17 (Wed)	01:56 64	08:35 79N	15:11 294
2025 Sep 18 (Thu)	02:54 68	09:27 83N	15:57 290
2025 Sep 19 (Fri)	03:48 73	10:15 88N	16:39 284
2025 Sep 20 (Sat)	04:39 79	11:00 87S	17:17 278
2025 Sep 21 (Sun)	05:28 85	11:42 81S	17:54 272
2025 Sep 22 (Mon)	06:14 91	12:23 75S	18:29 266
2025 Sep 23 (Tue)	07:01 98	13:04 69S	19:04 260
2025 Sep 24 (Wed)	07:47 103	13:45 63S	19:40 254
2025 Sep 25 (Thu)	08:35 109	14:28 58S	20:19 249
2025 Sep 26 (Fri)	09:24 113	15:13 54S	21:01 245
2025 Sep 27 (Sat)	10:15 116	16:01 51S	21:46 242
2025 Sep 28 (Sun)	11:08 119	16:52 49S	22:35 241
2025 Sep 29 (Mon)	12:01 119	17:44 49S	23:28 241
2025 Sep 30 (Tue)	12:53 119	18:37 50S	
2025 Oct 01 (Wed)	13:43 116	19:30 52S	00:22 242
2025 Oct 02 (Thu)	14:31 113	20:21 56S	01:18 245
2025 Oct 03 (Fri)	15:16 108	21:11 62S	02:14 250
2025 Oct 04 (Sat)	15:59 102	22:00 68S	03:09 255
2025 Oct 05 (Sun)	16:41 95	22:48 75S	04:04 262
2025 Oct 06 (Mon)	17:23 87	23:38 82S	04:59 269
2025 Oct 07 (Tue)	18:07 80		05:55 276
2025 Oct 08 (Wed)	18:55 73	00:29 90S	06:54 284
2025 Oct 09 (Thu)	19:46 67	01:24 85N	07:56 290
2025 Oct 10 (Fri)	20:43 63	02:22 80N	09:01 295
2025 Oct 11 (Sat)	21:44 61	03:25 76N	10:08 298
2025 Oct 12 (Sun)	22:47 61	04:28 75N	11:13 299
2025 Oct 13 (Mon)	23:50 63	05:31 75N	12:14 298
2025 Oct 14 (Tue)		06:30 78N	13:08 295
2025 Oct 15 (Wed)	00:49 67	07:24 82N	13:56 291
2025 Oct 16 (Thu)	01:45 71	08:14 87N	14:39 286
2025 Oct 17 (Fri)	02:36 77	08:59 89S	15:18 280
2025 Oct 18 (Sat)	03:25 83	09:41 83S	15:54 274
2025 Oct 19 (Sun)	04:11 89	10:22 77S	16:29 268
2025 Oct 20 (Mon)	04:57 95	11:02 71S	17:04 262
2025 Oct 21 (Tue)	05:43 101	11:43 65S	17:40 256
2025 Oct 22 (Wed)	06:30 107	12:25 60S	18:18 251
2025 Oct 23 (Thu)	07:19 111	13:09 56S	18:58 247
2025 Oct 24 (Fri)	08:09 115	13:57 52S	19:42 243
2025 Oct 25 (Sat)	09:01 118	14:46 50S	20:30 241
2025 Oct 26 (Sun)	09:54 119	15:37 49S	21:21 241
2025 Oct 27 (Mon)	10:46 119	16:30 49S	22:14 242
2025 Oct 28 (Tue)	11:36 117	17:21 51S	23:08 244
2025 Oct 29 (Wed)	12:23 114	18:12 55S	
2025 Oct 30 (Thu)	13:08 110	19:01 59S	00:02 248
2025 Oct 31 (Fri)	13:50 104	19:48 65S	00:56 253
2025 Nov 01 (Sat)	14:32 98	20:35 71S	01:49 259

2025 Nov 02 (Sun)	15:13 91	21:23 79S	02:42 265
2025 Nov 03 (Mon)	15:55 84	22:13 86S	03:37 273
2025 Nov 04 (Tue)	16:40 77	23:06 89N	04:34 280
2025 Nov 05 (Wed)	17:30 70		05:34 287
2025 Nov 06 (Thu)	18:26 65	00:03 83N	06:39 293
2025 Nov 07 (Fri)	19:27 62	01:05 78N	07:47 297
2025 Nov 08 (Sat)	20:33 61	02:11 75N	08:56 299
2025 Nov 09 (Sun)	21:38 62	03:17 75N	10:01 299
2025 Nov 10 (Mon)	22:41 65	04:20 77N	11:01 296
2025 Nov 11 (Tue)	23:39 70	05:18 80N	11:52 292
2025 Nov 12 (Wed)		06:10 85N	12:38 287
2025 Nov 13 (Thu)	00:33 75	06:57 91N	13:18 282
2025 Nov 14 (Fri)	01:22 81	07:40 85S	13:55 276
2025 Nov 15 (Sat)	02:10 88	08:21 79S	14:31 269
2025 Nov 16 (Sun)	02:55 94	09:02 73S	15:05 263
2025 Nov 17 (Mon)	03:41 100	09:42 67S	15:40 258
2025 Nov 18 (Tue)	04:27 105	10:23 62S	16:17 252
2025 Nov 19 (Wed)	05:15 110	11:07 57S	16:57 248
2025 Nov 20 (Thu)	06:05 114	11:53 53S	17:40 244
2025 Nov 21 (Fri)	06:57 117	12:42 51S	18:27 242
2025 Nov 22 (Sat)	07:49 119	13:33 49S	19:17 241
2025 Nov 23 (Sun)	08:41 119	14:25 49S	20:09 241
2025 Nov 24 (Mon)	09:32 118	15:17 51S	21:03 243
2025 Nov 25 (Tue)	10:20 115	16:07 54S	21:57 246
2025 Nov 26 (Wed)	11:04 111	16:56 58S	22:49 251
2025 Nov 27 (Thu)	11:46 106	17:42 63S	23:41 256
2025 Nov 28 (Fri)	12:27 101	18:28 69S	
2025 Nov 29 (Sat)	13:06 94	19:13 76S	00:32 263
2025 Nov 30 (Sun)	13:46 87	20:00 82S	01:23 269
2025 Dec 01 (Mon)	14:28 80	20:49 89S	02:17 276
2025 Dec 02 (Tue)	15:14 74	21:43 86N	03:14 283
2025 Dec 03 (Wed)	16:06 68	22:42 80N	04:15 290
2025 Dec 04 (Thu)	17:05 63	23:46 76N	05:21 295
2025 Dec 05 (Fri)	18:09 61		06:30 298
2025 Dec 06 (Sat)	19:17 61	00:54 75N	07:39 299
2025 Dec 07 (Sun)	20:23 64	02:01 76N	08:44 298
2025 Dec 08 (Mon)	21:26 68	03:04 79N	09:41 294
2025 Dec 09 (Tue)	22:24 73	04:00 83N	10:31 289
2025 Dec 10 (Wed)	23:16 79	04:51 89N	11:15 284
2025 Dec 11 (Thu)		05:37 87S	11:54 277
2025 Dec 12 (Fri)	00:05 86	06:19 81S	12:30 271
2025 Dec 13 (Sat)	00:52 92	07:00 75S	13:06 265
2025 Dec 14 (Sun)	01:38 98	07:41 69S	13:41 259
2025 Dec 15 (Mon)	02:24 104	08:22 63S	14:17 254
2025 Dec 16 (Tue)	03:12 109	09:05 58S	14:56 249
2025 Dec 17 (Wed)	04:01 113	09:50 54S	15:38 245
2025 Dec 18 (Thu)	04:52 116	10:38 51S	16:23 243
2025 Dec 19 (Fri)	05:44 118	11:29 50S	17:13 241
2025 Dec 20 (Sat)	06:37 119	12:21 49S	18:05 241
2025 Dec 21 (Sun)	07:28 118	13:13 50S	18:59 243
2025 Dec 22 (Mon)	08:17 116	14:04 53S	19:53 246
2025 Dec 23 (Tue)	09:03 112	14:53 57S	20:46 250
2025 Dec 24 (Wed)	09:46 108	15:40 62S	21:37 255
2025 Dec 25 (Thu)	10:26 102	16:26 67S	22:28 261
2025 Dec 26 (Fri)	11:05 96	17:10 73S	23:18 267
2025 Dec 27 (Sat)	11:43 89	17:54 80S	
2025 Dec 28 (Sun)	12:23 83	18:41 87S	00:09 274
2025 Dec 29 (Mon)	13:05 76	19:30 88N	01:02 281
2025 Dec 30 (Tue)	13:53 70	20:25 82N	01:59 287
2025 Dec 31 (Wed)	14:46 65	21:25 78N	03:00 293