

Sun

VTMH

Location: E 99°57'00.0", N12°37'00.0", 62m
(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)	05:52	06:42 113		12:24 55S	18:06 247		18:55
2025 Jan 02 (Thu)	05:53	06:42 113		12:24 55S	18:06 247		18:56
2025 Jan 03 (Fri)	05:53	06:42 113		12:25 55S	18:07 247		18:56
2025 Jan 04 (Sat)	05:53	06:43 113		12:25 55S	18:08 247		18:57
2025 Jan 05 (Sun)	05:54	06:43 113		12:26 56S	18:08 247		18:57
2025 Jan 06 (Mon)	05:54	06:43 113		12:26 56S	18:09 247		18:58
2025 Jan 07 (Tue)	05:55	06:44 113		12:26 56S	18:09 247		18:58
2025 Jan 08 (Wed)	05:55	06:44 113		12:27 56S	18:10 247		18:59
2025 Jan 09 (Thu)	05:55	06:44 112		12:27 56S	18:10 248		18:59
2025 Jan 10 (Fri)	05:56	06:45 112		12:28 56S	18:11 248		19:00
2025 Jan 11 (Sat)	05:56	06:45 112		12:28 56S	18:11 248		19:00
2025 Jan 12 (Sun)	05:56	06:45 112		12:29 56S	18:12 248		19:01
2025 Jan 13 (Mon)	05:56	06:45 112		12:29 57S	18:13 248		19:01
2025 Jan 14 (Tue)	05:57	06:46 112		12:29 57S	18:13 248		19:02
2025 Jan 15 (Wed)	05:57	06:46 111		12:30 57S	18:14 249		19:02
2025 Jan 16 (Thu)	05:57	06:46 111		12:30 57S	18:14 249		19:03
2025 Jan 17 (Fri)	05:57	06:46 111		12:30 57S	18:15 249		19:03
2025 Jan 18 (Sat)	05:57	06:46 111		12:31 58S	18:15 249		19:04
2025 Jan 19 (Sun)	05:58	06:46 111		12:31 58S	18:16 249		19:04
2025 Jan 20 (Mon)	05:58	06:46 110		12:31 58S	18:16 250		19:05
2025 Jan 21 (Tue)	05:58	06:46 110		12:31 58S	18:17 250		19:05
2025 Jan 22 (Wed)	05:58	06:46 110		12:32 58S	18:17 250		19:06
2025 Jan 23 (Thu)	05:58	06:46 110		12:32 59S	18:18 250		19:06
2025 Jan 24 (Fri)	05:58	06:46 109		12:32 59S	18:18 251		19:06
2025 Jan 25 (Sat)	05:58	06:46 109		12:32 59S	18:19 251		19:07
2025 Jan 26 (Sun)	05:58	06:46 109		12:33 59S	18:19 251		19:07
2025 Jan 27 (Mon)	05:58	06:46 109		12:33 60S	18:20 251		19:08
2025 Jan 28 (Tue)	05:58	06:46 108		12:33 60S	18:20 252		19:08
2025 Jan 29 (Wed)	05:58	06:46 108		12:33 60S	18:20 252		19:08
2025 Jan 30 (Thu)	05:58	06:46 108		12:33 61S	18:21 252		19:09
2025 Jan 31 (Fri)	05:58	06:46 108		12:34 61S	18:21 253		19:09
2025 Feb 01 (Sat)	05:58	06:46 107		12:34 61S	18:22 253		19:09
2025 Feb 02 (Sun)	05:58	06:46 107		12:34 61S	18:22 253		19:10
2025 Feb 03 (Mon)	05:58	06:46 107		12:34 62S	18:23 253		19:10
2025 Feb 04 (Tue)	05:58	06:45 106		12:34 62S	18:23 254		19:10
2025 Feb 05 (Wed)	05:58	06:45 106		12:34 62S	18:23 254		19:11
2025 Feb 06 (Thu)	05:58	06:45 106		12:34 63S	18:24 254		19:11
2025 Feb 07 (Fri)	05:58	06:45 105		12:34 63S	18:24 255		19:11
2025 Feb 08 (Sat)	05:57	06:45 105		12:34 63S	18:24 255		19:11
2025 Feb 09 (Sun)	05:57	06:44 105		12:34 64S	18:25 255		19:12
2025 Feb 10 (Mon)	05:57	06:44 105		12:34 64S	18:25 256		19:12
2025 Feb 11 (Tue)	05:57	06:44 104		12:34 64S	18:25 256		19:12
2025 Feb 12 (Wed)	05:56	06:43 104		12:34 64S	18:26 256		19:12
2025 Feb 13 (Thu)	05:56	06:43 103		12:34 65S	18:26 257		19:13
2025 Feb 14 (Fri)	05:56	06:43 103		12:34 65S	18:26 257		19:13
2025 Feb 15 (Sat)	05:56	06:42 103		12:34 66S	18:26 257		19:13
2025 Feb 16 (Sun)	05:55	06:42 102		12:34 66S	18:27 258		19:13
2025 Feb 17 (Mon)	05:55	06:42 102		12:34 66S	18:27 258		19:13
2025 Feb 18 (Tue)	05:55	06:41 102		12:34 67S	18:27 258		19:14
2025 Feb 19 (Wed)	05:54	06:41 101		12:34 67S	18:27 259		19:14
2025 Feb 20 (Thu)	05:54	06:40 101		12:34 67S	18:28 259		19:14
2025 Feb 21 (Fri)	05:54	06:40 101		12:34 68S	18:28 260		19:14
2025 Feb 22 (Sat)	05:53	06:39 100		12:34 68S	18:28 260		19:14
2025 Feb 23 (Sun)	05:53	06:39 100		12:34 68S	18:28 260		19:15
2025 Feb 24 (Mon)	05:52	06:38 100		12:33 69S	18:28 261		19:15

2025	Feb	25	(Tue)	05:52	06:38	99	12:33	69S	18:29	261	19:15
2025	Feb	26	(Wed)	05:51	06:38	99	12:33	69S	18:29	261	19:15
2025	Feb	27	(Thu)	05:51	06:37	98	12:33	70S	18:29	262	19:15
2025	Feb	28	(Fri)	05:50	06:36	98	12:33	70S	18:29	262	19:15
2025	Mar	01	(Sat)	05:50	06:36	98	12:33	71S	18:29	263	19:15
2025	Mar	02	(Sun)	05:49	06:35	97	12:32	71S	18:29	263	19:15
2025	Mar	03	(Mon)	05:49	06:35	97	12:32	71S	18:30	263	19:16
2025	Mar	04	(Tue)	05:48	06:34	96	12:32	72S	18:30	264	19:16
2025	Mar	05	(Wed)	05:48	06:34	96	12:32	72S	18:30	264	19:16
2025	Mar	06	(Thu)	05:47	06:33	96	12:31	73S	18:30	265	19:16
2025	Mar	07	(Fri)	05:47	06:33	95	12:31	73S	18:30	265	19:16
2025	Mar	08	(Sat)	05:46	06:32	95	12:31	73S	18:30	265	19:16
2025	Mar	09	(Sun)	05:46	06:31	94	12:31	74S	18:30	266	19:16
2025	Mar	10	(Mon)	05:45	06:31	94	12:30	74S	18:30	266	19:16
2025	Mar	11	(Tue)	05:44	06:30	94	12:30	74S	18:30	267	19:16
2025	Mar	12	(Wed)	05:44	06:30	93	12:30	75S	18:30	267	19:16
2025	Mar	13	(Thu)	05:43	06:29	93	12:30	75S	18:31	267	19:16
2025	Mar	14	(Fri)	05:43	06:28	92	12:29	76S	18:31	268	19:16
2025	Mar	15	(Sat)	05:42	06:28	92	12:29	76S	18:31	268	19:16
2025	Mar	16	(Sun)	05:41	06:27	92	12:29	76S	18:31	269	19:17
2025	Mar	17	(Mon)	05:41	06:26	91	12:29	77S	18:31	269	19:17
2025	Mar	18	(Tue)	05:40	06:26	91	12:28	77S	18:31	269	19:17
2025	Mar	19	(Wed)	05:39	06:25	90	12:28	78S	18:31	270	19:17
2025	Mar	20	(Thu)	05:39	06:24	90	12:28	78S	18:31	270	19:17
2025	Mar	21	(Fri)	05:38	06:24	90	12:27	78S	18:31	271	19:17
2025	Mar	22	(Sat)	05:37	06:23	89	12:27	79S	18:31	271	19:17
2025	Mar	23	(Sun)	05:37	06:23	89	12:27	79S	18:31	271	19:17
2025	Mar	24	(Mon)	05:36	06:22	88	12:26	80S	18:31	272	19:17
2025	Mar	25	(Tue)	05:35	06:21	88	12:26	80S	18:31	272	19:17
2025	Mar	26	(Wed)	05:35	06:21	88	12:26	80S	18:31	273	19:17
2025	Mar	27	(Thu)	05:34	06:20	87	12:26	81S	18:31	273	19:17
2025	Mar	28	(Fri)	05:33	06:19	87	12:25	81S	18:31	273	19:17
2025	Mar	29	(Sat)	05:33	06:19	86	12:25	82S	18:31	274	19:17
2025	Mar	30	(Sun)	05:32	06:18	86	12:25	82S	18:32	274	19:18
2025	Mar	31	(Mon)	05:31	06:17	86	12:24	82S	18:32	275	19:18
2025	Apr	01	(Tue)	05:31	06:17	85	12:24	83S	18:32	275	19:18
2025	Apr	02	(Wed)	05:30	06:16	85	12:24	83S	18:32	275	19:18
2025	Apr	03	(Thu)	05:29	06:15	84	12:23	84S	18:32	276	19:18
2025	Apr	04	(Fri)	05:29	06:15	84	12:23	84S	18:32	276	19:18
2025	Apr	05	(Sat)	05:28	06:14	84	12:23	84S	18:32	277	19:18
2025	Apr	06	(Sun)	05:27	06:13	83	12:23	85S	18:32	277	19:18
2025	Apr	07	(Mon)	05:27	06:13	83	12:22	85S	18:32	277	19:18
2025	Apr	08	(Tue)	05:26	06:12	82	12:22	85S	18:32	278	19:18
2025	Apr	09	(Wed)	05:25	06:12	82	12:22	86S	18:32	278	19:19
2025	Apr	10	(Thu)	05:25	06:11	82	12:22	86S	18:32	279	19:19
2025	Apr	11	(Fri)	05:24	06:10	81	12:21	87S	18:32	279	19:19
2025	Apr	12	(Sat)	05:23	06:10	81	12:21	87S	18:32	279	19:19
2025	Apr	13	(Sun)	05:23	06:09	81	12:21	87S	18:32	280	19:19
2025	Apr	14	(Mon)	05:22	06:09	80	12:20	88S	18:33	280	19:19
2025	Apr	15	(Tue)	05:21	06:08	80	12:20	88S	18:33	280	19:19
2025	Apr	16	(Wed)	05:21	06:07	79	12:20	88S	18:33	281	19:20
2025	Apr	17	(Thu)	05:20	06:07	79	12:20	89S	18:33	281	19:20
2025	Apr	18	(Fri)	05:19	06:06	79	12:20	89S	18:33	281	19:20
2025	Apr	19	(Sat)	05:19	06:06	78	12:19	89S	18:33	282	19:20
2025	Apr	20	(Sun)	05:18	06:05	78	12:19	90S	18:33	282	19:20
2025	Apr	21	(Mon)	05:18	06:05	78	12:19	90S	18:33	283	19:20
2025	Apr	22	(Tue)	05:17	06:04	77	12:19	90S	18:33	283	19:21
2025	Apr	23	(Wed)	05:16	06:04	77	12:19	91N	18:34	283	19:21
2025	Apr	24	(Thu)	05:16	06:03	77	12:18	90N	18:34	284	19:21
2025	Apr	25	(Fri)	05:15	06:03	76	12:18	90N	18:34	284	19:21
2025	Apr	26	(Sat)	05:15	06:02	76	12:18	90N	18:34	284	19:21
2025	Apr	27	(Sun)	05:14	06:02	76	12:18	89N	18:34	285	19:22
2025	Apr	28	(Mon)	05:14	06:01	75	12:18	89N	18:34	285	19:22
2025	Apr	29	(Tue)	05:13	06:01	75	12:18	89N	18:34	285	19:22
2025	Apr	30	(Wed)	05:13	06:00	75	12:17	88N	18:35	286	19:22
2025	May	01	(Thu)	05:12	06:00	74	12:17	88N	18:35	286	19:23
2025	May	02	(Fri)	05:12	06:00	74	12:17	88N	18:35	286	19:23

2025	May	03	(Sat)	05:11	05:59	74	12:17	88N	18:35	286	19:23
2025	May	04	(Sun)	05:11	05:59	73	12:17	87N	18:35	287	19:24
2025	May	05	(Mon)	05:10	05:58	73	12:17	87N	18:36	287	19:24
2025	May	06	(Tue)	05:10	05:58	73	12:17	87N	18:36	287	19:24
2025	May	07	(Wed)	05:09	05:58	73	12:17	86N	18:36	288	19:24
2025	May	08	(Thu)	05:09	05:57	72	12:17	86N	18:36	288	19:25
2025	May	09	(Fri)	05:08	05:57	72	12:17	86N	18:36	288	19:25
2025	May	10	(Sat)	05:08	05:57	72	12:17	86N	18:37	288	19:25
2025	May	11	(Sun)	05:08	05:56	71	12:17	85N	18:37	289	19:26
2025	May	12	(Mon)	05:07	05:56	71	12:17	85N	18:37	289	19:26
2025	May	13	(Tue)	05:07	05:56	71	12:17	85N	18:37	289	19:26
2025	May	14	(Wed)	05:07	05:56	71	12:17	85N	18:38	289	19:27
2025	May	15	(Thu)	05:06	05:55	70	12:17	84N	18:38	290	19:27
2025	May	16	(Fri)	05:06	05:55	70	12:17	84N	18:38	290	19:27
2025	May	17	(Sat)	05:06	05:55	70	12:17	84N	18:38	290	19:28
2025	May	18	(Sun)	05:05	05:55	70	12:17	84N	18:39	290	19:28
2025	May	19	(Mon)	05:05	05:55	70	12:17	84N	18:39	291	19:28
2025	May	20	(Tue)	05:05	05:54	69	12:17	83N	18:39	291	19:29
2025	May	21	(Wed)	05:05	05:54	69	12:17	83N	18:39	291	19:29
2025	May	22	(Thu)	05:05	05:54	69	12:17	83N	18:40	291	19:29
2025	May	23	(Fri)	05:04	05:54	69	12:17	83N	18:40	291	19:30
2025	May	24	(Sat)	05:04	05:54	68	12:17	83N	18:40	292	19:30
2025	May	25	(Sun)	05:04	05:54	68	12:17	82N	18:41	292	19:30
2025	May	26	(Mon)	05:04	05:54	68	12:17	82N	18:41	292	19:31
2025	May	27	(Tue)	05:04	05:54	68	12:17	82N	18:41	292	19:31
2025	May	28	(Wed)	05:04	05:54	68	12:17	82N	18:41	292	19:32
2025	May	29	(Thu)	05:03	05:54	68	12:18	82N	18:42	292	19:32
2025	May	30	(Fri)	05:03	05:54	67	12:18	82N	18:42	293	19:32
2025	May	31	(Sat)	05:03	05:54	67	12:18	81N	18:42	293	19:33
2025	Jun	01	(Sun)	05:03	05:54	67	12:18	81N	18:43	293	19:33
2025	Jun	02	(Mon)	05:03	05:54	67	12:18	81N	18:43	293	19:33
2025	Jun	03	(Tue)	05:03	05:54	67	12:18	81N	18:43	293	19:34
2025	Jun	04	(Wed)	05:03	05:54	67	12:19	81N	18:44	293	19:34
2025	Jun	05	(Thu)	05:03	05:54	67	12:19	81N	18:44	293	19:34
2025	Jun	06	(Fri)	05:03	05:54	67	12:19	81N	18:44	294	19:35
2025	Jun	07	(Sat)	05:03	05:54	66	12:19	81N	18:44	294	19:35
2025	Jun	08	(Sun)	05:03	05:54	66	12:19	80N	18:45	294	19:35
2025	Jun	09	(Mon)	05:03	05:54	66	12:19	80N	18:45	294	19:36
2025	Jun	10	(Tue)	05:03	05:54	66	12:20	80N	18:45	294	19:36
2025	Jun	11	(Wed)	05:03	05:54	66	12:20	80N	18:46	294	19:36
2025	Jun	12	(Thu)	05:04	05:54	66	12:20	80N	18:46	294	19:37
2025	Jun	13	(Fri)	05:04	05:54	66	12:20	80N	18:46	294	19:37
2025	Jun	14	(Sat)	05:04	05:55	66	12:20	80N	18:46	294	19:37
2025	Jun	15	(Sun)	05:04	05:55	66	12:21	80N	18:47	294	19:37
2025	Jun	16	(Mon)	05:04	05:55	66	12:21	80N	18:47	294	19:38
2025	Jun	17	(Tue)	05:04	05:55	66	12:21	80N	18:47	294	19:38
2025	Jun	18	(Wed)	05:04	05:55	66	12:21	80N	18:47	294	19:38
2025	Jun	19	(Thu)	05:05	05:56	66	12:22	80N	18:48	294	19:39
2025	Jun	20	(Fri)	05:05	05:56	66	12:22	80N	18:48	294	19:39
2025	Jun	21	(Sat)	05:05	05:56	66	12:22	80N	18:48	294	19:39
2025	Jun	22	(Sun)	05:05	05:56	66	12:22	80N	18:48	294	19:39
2025	Jun	23	(Mon)	05:06	05:56	66	12:22	80N	18:48	294	19:39
2025	Jun	24	(Tue)	05:06	05:57	66	12:23	80N	18:49	294	19:40
2025	Jun	25	(Wed)	05:06	05:57	66	12:23	80N	18:49	294	19:40
2025	Jun	26	(Thu)	05:06	05:57	66	12:23	80N	18:49	294	19:40
2025	Jun	27	(Fri)	05:07	05:57	66	12:23	80N	18:49	294	19:40
2025	Jun	28	(Sat)	05:07	05:58	66	12:24	80N	18:49	294	19:40
2025	Jun	29	(Sun)	05:07	05:58	66	12:24	80N	18:49	294	19:40
2025	Jun	30	(Mon)	05:07	05:58	66	12:24	80N	18:50	294	19:40
2025	Jul	01	(Tue)	05:08	05:58	66	12:24	80N	18:50	294	19:40
2025	Jul	02	(Wed)	05:08	05:59	66	12:24	80N	18:50	294	19:41
2025	Jul	03	(Thu)	05:08	05:59	66	12:24	80N	18:50	294	19:41
2025	Jul	04	(Fri)	05:09	05:59	66	12:25	80N	18:50	294	19:41
2025	Jul	05	(Sat)	05:09	06:00	66	12:25	81N	18:50	294	19:41
2025	Jul	06	(Sun)	05:09	06:00	67	12:25	81N	18:50	293	19:41
2025	Jul	07	(Mon)	05:10	06:00	67	12:25	81N	18:50	293	19:41
2025	Jul	08	(Tue)	05:10	06:00	67	12:25	81N	18:50	293	19:41

2025	Jul	09	(Wed)	05:10	06:01	67	12:25	81N	18:50	293	19:41
2025	Jul	10	(Thu)	05:11	06:01	67	12:26	81N	18:50	293	19:41
2025	Jul	11	(Fri)	05:11	06:01	67	12:26	81N	18:50	293	19:41
2025	Jul	12	(Sat)	05:11	06:01	67	12:26	81N	18:50	293	19:40
2025	Jul	13	(Sun)	05:12	06:02	67	12:26	82N	18:50	293	19:40
2025	Jul	14	(Mon)	05:12	06:02	68	12:26	82N	18:50	292	19:40
2025	Jul	15	(Tue)	05:12	06:02	68	12:26	82N	18:50	292	19:40
2025	Jul	16	(Wed)	05:13	06:03	68	12:26	82N	18:50	292	19:40
2025	Jul	17	(Thu)	05:13	06:03	68	12:26	82N	18:50	292	19:40
2025	Jul	18	(Fri)	05:13	06:03	68	12:26	82N	18:50	292	19:40
2025	Jul	19	(Sat)	05:14	06:03	68	12:27	83N	18:50	291	19:39
2025	Jul	20	(Sun)	05:14	06:04	69	12:27	83N	18:50	291	19:39
2025	Jul	21	(Mon)	05:14	06:04	69	12:27	83N	18:49	291	19:39
2025	Jul	22	(Tue)	05:14	06:04	69	12:27	83N	18:49	291	19:39
2025	Jul	23	(Wed)	05:15	06:04	69	12:27	83N	18:49	291	19:38
2025	Jul	24	(Thu)	05:15	06:05	69	12:27	84N	18:49	290	19:38
2025	Jul	25	(Fri)	05:15	06:05	70	12:27	84N	18:49	290	19:38
2025	Jul	26	(Sat)	05:16	06:05	70	12:27	84N	18:48	290	19:38
2025	Jul	27	(Sun)	05:16	06:05	70	12:27	84N	18:48	290	19:37
2025	Jul	28	(Mon)	05:16	06:06	70	12:27	84N	18:48	290	19:37
2025	Jul	29	(Tue)	05:17	06:06	71	12:27	85N	18:48	289	19:37
2025	Jul	30	(Wed)	05:17	06:06	71	12:27	85N	18:47	289	19:36
2025	Jul	31	(Thu)	05:17	06:06	71	12:27	85N	18:47	289	19:36
2025	Aug	01	(Fri)	05:18	06:06	71	12:27	85N	18:47	289	19:35
2025	Aug	02	(Sat)	05:18	06:07	72	12:27	86N	18:46	288	19:35
2025	Aug	03	(Sun)	05:18	06:07	72	12:26	86N	18:46	288	19:35
2025	Aug	04	(Mon)	05:18	06:07	72	12:26	86N	18:46	288	19:34
2025	Aug	05	(Tue)	05:19	06:07	72	12:26	86N	18:45	287	19:34
2025	Aug	06	(Wed)	05:19	06:07	73	12:26	87N	18:45	287	19:33
2025	Aug	07	(Thu)	05:19	06:07	73	12:26	87N	18:45	287	19:33
2025	Aug	08	(Fri)	05:19	06:08	73	12:26	87N	18:44	287	19:32
2025	Aug	09	(Sat)	05:20	06:08	74	12:26	88N	18:44	286	19:32
2025	Aug	10	(Sun)	05:20	06:08	74	12:26	88N	18:43	286	19:31
2025	Aug	11	(Mon)	05:20	06:08	74	12:25	88N	18:43	286	19:31
2025	Aug	12	(Tue)	05:20	06:08	74	12:25	88N	18:42	285	19:30
2025	Aug	13	(Wed)	05:20	06:08	75	12:25	89N	18:42	285	19:30
2025	Aug	14	(Thu)	05:21	06:08	75	12:25	89N	18:41	285	19:29
2025	Aug	15	(Fri)	05:21	06:08	75	12:25	89N	18:41	284	19:28
2025	Aug	16	(Sat)	05:21	06:09	76	12:25	90N	18:40	284	19:28
2025	Aug	17	(Sun)	05:21	06:09	76	12:24	90N	18:40	284	19:27
2025	Aug	18	(Mon)	05:21	06:09	76	12:24	90N	18:39	283	19:27
2025	Aug	19	(Tue)	05:21	06:09	77	12:24	91N	18:39	283	19:26
2025	Aug	20	(Wed)	05:22	06:09	77	12:24	90S	18:38	283	19:25
2025	Aug	21	(Thu)	05:22	06:09	77	12:23	90S	18:38	282	19:25
2025	Aug	22	(Fri)	05:22	06:09	78	12:23	90S	18:37	282	19:24
2025	Aug	23	(Sat)	05:22	06:09	78	12:23	89S	18:36	282	19:23
2025	Aug	24	(Sun)	05:22	06:09	78	12:23	89S	18:36	281	19:23
2025	Aug	25	(Mon)	05:22	06:09	79	12:22	89S	18:35	281	19:22
2025	Aug	26	(Tue)	05:22	06:09	79	12:22	88S	18:35	281	19:21
2025	Aug	27	(Wed)	05:22	06:09	80	12:22	88S	18:34	280	19:21
2025	Aug	28	(Thu)	05:23	06:09	80	12:21	88S	18:33	280	19:20
2025	Aug	29	(Fri)	05:23	06:09	80	12:21	87S	18:33	280	19:19
2025	Aug	30	(Sat)	05:23	06:09	81	12:21	87S	18:32	279	19:19
2025	Aug	31	(Sun)	05:23	06:09	81	12:21	87S	18:32	279	19:18
2025	Sep	01	(Mon)	05:23	06:09	81	12:20	86S	18:31	278	19:17
2025	Sep	02	(Tue)	05:23	06:09	82	12:20	86S	18:30	278	19:17
2025	Sep	03	(Wed)	05:23	06:09	82	12:20	86S	18:30	278	19:16
2025	Sep	04	(Thu)	05:23	06:09	82	12:19	85S	18:29	277	19:15
2025	Sep	05	(Fri)	05:23	06:09	83	12:19	85S	18:28	277	19:14
2025	Sep	06	(Sat)	05:23	06:09	83	12:19	84S	18:28	277	19:14
2025	Sep	07	(Sun)	05:23	06:09	84	12:18	84S	18:27	276	19:13
2025	Sep	08	(Mon)	05:23	06:09	84	12:18	84S	18:26	276	19:12
2025	Sep	09	(Tue)	05:23	06:09	84	12:18	83S	18:25	275	19:12
2025	Sep	10	(Wed)	05:23	06:09	85	12:17	83S	18:25	275	19:11
2025	Sep	11	(Thu)	05:23	06:09	85	12:17	83S	18:24	275	19:10
2025	Sep	12	(Fri)	05:23	06:09	86	12:16	82S	18:23	274	19:09
2025	Sep	13	(Sat)	05:23	06:09	86	12:16	82S	18:23	274	19:09

2025 Sep 14 (Sun)	05:23	06:09	86	12:16	81S	18:22	273	19:08
2025 Sep 15 (Mon)	05:23	06:09	87	12:15	81S	18:21	273	19:07
2025 Sep 16 (Tue)	05:23	06:09	87	12:15	81S	18:21	273	19:06
2025 Sep 17 (Wed)	05:24	06:09	88	12:15	80S	18:20	272	19:06
2025 Sep 18 (Thu)	05:24	06:09	88	12:14	80S	18:19	272	19:05
2025 Sep 19 (Fri)	05:24	06:09	88	12:14	79S	18:18	271	19:04
2025 Sep 20 (Sat)	05:24	06:09	89	12:14	79S	18:18	271	19:04
2025 Sep 21 (Sun)	05:24	06:09	89	12:13	79S	18:17	271	19:03
2025 Sep 22 (Mon)	05:24	06:09	89	12:13	78S	18:16	270	19:02
2025 Sep 23 (Tue)	05:24	06:09	90	12:13	78S	18:16	270	19:01
2025 Sep 24 (Wed)	05:24	06:09	90	12:12	78S	18:15	270	19:01
2025 Sep 25 (Thu)	05:24	06:09	91	12:12	77S	18:14	269	19:00
2025 Sep 26 (Fri)	05:24	06:09	91	12:12	77S	18:14	269	18:59
2025 Sep 27 (Sat)	05:24	06:09	91	12:11	76S	18:13	268	18:59
2025 Sep 28 (Sun)	05:24	06:09	92	12:11	76S	18:12	268	18:58
2025 Sep 29 (Mon)	05:24	06:09	92	12:11	76S	18:12	268	18:57
2025 Sep 30 (Tue)	05:24	06:09	93	12:10	75S	18:11	267	18:57
2025 Oct 01 (Wed)	05:24	06:09	93	12:10	75S	18:10	267	18:56
2025 Oct 02 (Thu)	05:24	06:09	93	12:10	74S	18:10	266	18:55
2025 Oct 03 (Fri)	05:24	06:09	94	12:09	74S	18:09	266	18:55
2025 Oct 04 (Sat)	05:24	06:10	94	12:09	74S	18:08	266	18:54
2025 Oct 05 (Sun)	05:24	06:10	95	12:09	73S	18:08	265	18:53
2025 Oct 06 (Mon)	05:24	06:10	95	12:08	73S	18:07	265	18:53
2025 Oct 07 (Tue)	05:24	06:10	95	12:08	72S	18:06	264	18:52
2025 Oct 08 (Wed)	05:24	06:10	96	12:08	72S	18:06	264	18:52
2025 Oct 09 (Thu)	05:24	06:10	96	12:07	72S	18:05	264	18:51
2025 Oct 10 (Fri)	05:24	06:10	97	12:07	71S	18:04	263	18:50
2025 Oct 11 (Sat)	05:24	06:10	97	12:07	71S	18:04	263	18:50
2025 Oct 12 (Sun)	05:24	06:10	97	12:07	71S	18:03	262	18:49
2025 Oct 13 (Mon)	05:24	06:10	98	12:06	70S	18:03	262	18:49
2025 Oct 14 (Tue)	05:24	06:10	98	12:06	70S	18:02	262	18:48
2025 Oct 15 (Wed)	05:24	06:10	99	12:06	69S	18:02	261	18:48
2025 Oct 16 (Thu)	05:24	06:10	99	12:06	69S	18:01	261	18:47
2025 Oct 17 (Fri)	05:24	06:11	99	12:06	69S	18:00	261	18:47
2025 Oct 18 (Sat)	05:24	06:11	100	12:05	68S	18:00	260	18:46
2025 Oct 19 (Sun)	05:24	06:11	100	12:05	68S	17:59	260	18:46
2025 Oct 20 (Mon)	05:25	06:11	100	12:05	68S	17:59	259	18:45
2025 Oct 21 (Tue)	05:25	06:11	101	12:05	67S	17:58	259	18:45
2025 Oct 22 (Wed)	05:25	06:11	101	12:05	67S	17:58	259	18:44
2025 Oct 23 (Thu)	05:25	06:11	102	12:05	67S	17:57	258	18:44
2025 Oct 24 (Fri)	05:25	06:12	102	12:04	66S	17:57	258	18:44
2025 Oct 25 (Sat)	05:25	06:12	102	12:04	66S	17:57	258	18:43
2025 Oct 26 (Sun)	05:25	06:12	103	12:04	66S	17:56	257	18:43
2025 Oct 27 (Mon)	05:26	06:12	103	12:04	65S	17:56	257	18:43
2025 Oct 28 (Tue)	05:26	06:12	103	12:04	65S	17:55	257	18:42
2025 Oct 29 (Wed)	05:26	06:13	104	12:04	65S	17:55	256	18:42
2025 Oct 30 (Thu)	05:26	06:13	104	12:04	64S	17:55	256	18:42
2025 Oct 31 (Fri)	05:26	06:13	104	12:04	64S	17:54	256	18:41
2025 Nov 01 (Sat)	05:26	06:13	105	12:04	64S	17:54	255	18:41
2025 Nov 02 (Sun)	05:27	06:14	105	12:04	63S	17:54	255	18:41
2025 Nov 03 (Mon)	05:27	06:14	105	12:04	63S	17:53	255	18:41
2025 Nov 04 (Tue)	05:27	06:14	106	12:04	63S	17:53	254	18:40
2025 Nov 05 (Wed)	05:27	06:15	106	12:04	62S	17:53	254	18:40
2025 Nov 06 (Thu)	05:28	06:15	106	12:04	62S	17:53	254	18:40
2025 Nov 07 (Fri)	05:28	06:15	106	12:04	62S	17:52	253	18:40
2025 Nov 08 (Sat)	05:28	06:16	107	12:04	61S	17:52	253	18:40
2025 Nov 09 (Sun)	05:28	06:16	107	12:04	61S	17:52	253	18:40
2025 Nov 10 (Mon)	05:29	06:16	107	12:04	61S	17:52	252	18:39
2025 Nov 11 (Tue)	05:29	06:17	108	12:04	61S	17:52	252	18:39
2025 Nov 12 (Wed)	05:29	06:17	108	12:04	60S	17:51	252	18:39
2025 Nov 13 (Thu)	05:30	06:17	108	12:04	60S	17:51	252	18:39
2025 Nov 14 (Fri)	05:30	06:18	108	12:05	60S	17:51	251	18:39
2025 Nov 15 (Sat)	05:30	06:18	109	12:05	60S	17:51	251	18:39
2025 Nov 16 (Sun)	05:31	06:19	109	12:05	59S	17:51	251	18:39
2025 Nov 17 (Mon)	05:31	06:19	109	12:05	59S	17:51	251	18:39
2025 Nov 18 (Tue)	05:31	06:20	110	12:05	59S	17:51	250	18:39
2025 Nov 19 (Wed)	05:32	06:20	110	12:06	59S	17:51	250	18:39

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

Sun

VTMH

Location: E 99°57'00.0", N12°37'00.0", 62m
(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)	06:19	06:42	113	12:24	55S	18:06	247	18:29
2025 Jan 02 (Thu)	06:19	06:42	113	12:24	55S	18:06	247	18:29
2025 Jan 03 (Fri)	06:20	06:42	113	12:25	55S	18:07	247	18:30
2025 Jan 04 (Sat)	06:20	06:43	113	12:25	55S	18:08	247	18:30
2025 Jan 05 (Sun)	06:20	06:43	113	12:26	56S	18:08	247	18:31
2025 Jan 06 (Mon)	06:21	06:43	113	12:26	56S	18:09	247	18:32
2025 Jan 07 (Tue)	06:21	06:44	113	12:26	56S	18:09	247	18:32
2025 Jan 08 (Wed)	06:21	06:44	113	12:27	56S	18:10	247	18:33
2025 Jan 09 (Thu)	06:22	06:44	112	12:27	56S	18:10	248	18:33
2025 Jan 10 (Fri)	06:22	06:45	112	12:28	56S	18:11	248	18:34
2025 Jan 11 (Sat)	06:22	06:45	112	12:28	56S	18:11	248	18:34
2025 Jan 12 (Sun)	06:22	06:45	112	12:29	56S	18:12	248	18:35

2025	Jan	13	(Mon)	06:23	06:45	112	12:29	57S	18:13	248	18:35
2025	Jan	14	(Tue)	06:23	06:46	112	12:29	57S	18:13	248	18:36
2025	Jan	15	(Wed)	06:23	06:46	111	12:30	57S	18:14	249	18:36
2025	Jan	16	(Thu)	06:23	06:46	111	12:30	57S	18:14	249	18:37
2025	Jan	17	(Fri)	06:23	06:46	111	12:30	57S	18:15	249	18:37
2025	Jan	18	(Sat)	06:24	06:46	111	12:31	58S	18:15	249	18:38
2025	Jan	19	(Sun)	06:24	06:46	111	12:31	58S	18:16	249	18:38
2025	Jan	20	(Mon)	06:24	06:46	110	12:31	58S	18:16	250	18:39
2025	Jan	21	(Tue)	06:24	06:46	110	12:31	58S	18:17	250	18:39
2025	Jan	22	(Wed)	06:24	06:46	110	12:32	58S	18:17	250	18:40
2025	Jan	23	(Thu)	06:24	06:46	110	12:32	59S	18:18	250	18:40
2025	Jan	24	(Fri)	06:24	06:46	109	12:32	59S	18:18	251	18:41
2025	Jan	25	(Sat)	06:24	06:46	109	12:32	59S	18:19	251	18:41
2025	Jan	26	(Sun)	06:24	06:46	109	12:33	59S	18:19	251	18:41
2025	Jan	27	(Mon)	06:24	06:46	109	12:33	60S	18:20	251	18:42
2025	Jan	28	(Tue)	06:24	06:46	108	12:33	60S	18:20	252	18:42
2025	Jan	29	(Wed)	06:24	06:46	108	12:33	60S	18:20	252	18:43
2025	Jan	30	(Thu)	06:24	06:46	108	12:33	61S	18:21	252	18:43
2025	Jan	31	(Fri)	06:24	06:46	108	12:34	61S	18:21	253	18:43
2025	Feb	01	(Sat)	06:24	06:46	107	12:34	61S	18:22	253	18:44
2025	Feb	02	(Sun)	06:24	06:46	107	12:34	61S	18:22	253	18:44
2025	Feb	03	(Mon)	06:24	06:46	107	12:34	62S	18:23	253	18:45
2025	Feb	04	(Tue)	06:23	06:45	106	12:34	62S	18:23	254	18:45
2025	Feb	05	(Wed)	06:23	06:45	106	12:34	62S	18:23	254	18:45
2025	Feb	06	(Thu)	06:23	06:45	106	12:34	63S	18:24	254	18:46
2025	Feb	07	(Fri)	06:23	06:45	105	12:34	63S	18:24	255	18:46
2025	Feb	08	(Sat)	06:23	06:45	105	12:34	63S	18:24	255	18:46
2025	Feb	09	(Sun)	06:22	06:44	105	12:34	64S	18:25	255	18:46
2025	Feb	10	(Mon)	06:22	06:44	105	12:34	64S	18:25	256	18:47
2025	Feb	11	(Tue)	06:22	06:44	104	12:34	64S	18:25	256	18:47
2025	Feb	12	(Wed)	06:22	06:43	104	12:34	64S	18:26	256	18:47
2025	Feb	13	(Thu)	06:21	06:43	103	12:34	65S	18:26	257	18:48
2025	Feb	14	(Fri)	06:21	06:43	103	12:34	65S	18:26	257	18:48
2025	Feb	15	(Sat)	06:21	06:42	103	12:34	66S	18:26	257	18:48
2025	Feb	16	(Sun)	06:20	06:42	102	12:34	66S	18:27	258	18:48
2025	Feb	17	(Mon)	06:20	06:42	102	12:34	66S	18:27	258	18:49
2025	Feb	18	(Tue)	06:20	06:41	102	12:34	67S	18:27	258	18:49
2025	Feb	19	(Wed)	06:19	06:41	101	12:34	67S	18:27	259	18:49
2025	Feb	20	(Thu)	06:19	06:40	101	12:34	67S	18:28	259	18:49
2025	Feb	21	(Fri)	06:18	06:40	101	12:34	68S	18:28	260	18:49
2025	Feb	22	(Sat)	06:18	06:39	100	12:34	68S	18:28	260	18:49
2025	Feb	23	(Sun)	06:18	06:39	100	12:34	68S	18:28	260	18:50
2025	Feb	24	(Mon)	06:17	06:38	100	12:33	69S	18:28	261	18:50
2025	Feb	25	(Tue)	06:17	06:38	99	12:33	69S	18:29	261	18:50
2025	Feb	26	(Wed)	06:16	06:38	99	12:33	69S	18:29	261	18:50
2025	Feb	27	(Thu)	06:16	06:37	98	12:33	70S	18:29	262	18:50
2025	Feb	28	(Fri)	06:15	06:36	98	12:33	70S	18:29	262	18:50
2025	Mar	01	(Sat)	06:15	06:36	98	12:33	71S	18:29	263	18:51
2025	Mar	02	(Sun)	06:14	06:35	97	12:32	71S	18:29	263	18:51
2025	Mar	03	(Mon)	06:14	06:35	97	12:32	71S	18:30	263	18:51
2025	Mar	04	(Tue)	06:13	06:34	96	12:32	72S	18:30	264	18:51
2025	Mar	05	(Wed)	06:12	06:34	96	12:32	72S	18:30	264	18:51
2025	Mar	06	(Thu)	06:12	06:33	96	12:31	73S	18:30	265	18:51
2025	Mar	07	(Fri)	06:11	06:33	95	12:31	73S	18:30	265	18:51
2025	Mar	08	(Sat)	06:11	06:32	95	12:31	73S	18:30	265	18:51
2025	Mar	09	(Sun)	06:10	06:31	94	12:31	74S	18:30	266	18:51
2025	Mar	10	(Mon)	06:10	06:31	94	12:30	74S	18:30	266	18:52
2025	Mar	11	(Tue)	06:09	06:30	94	12:30	74S	18:30	267	18:52
2025	Mar	12	(Wed)	06:08	06:30	93	12:30	75S	18:30	267	18:52
2025	Mar	13	(Thu)	06:08	06:29	93	12:30	75S	18:31	267	18:52
2025	Mar	14	(Fri)	06:07	06:28	92	12:29	76S	18:31	268	18:52
2025	Mar	15	(Sat)	06:06	06:28	92	12:29	76S	18:31	268	18:52
2025	Mar	16	(Sun)	06:06	06:27	92	12:29	76S	18:31	269	18:52
2025	Mar	17	(Mon)	06:05	06:26	91	12:29	77S	18:31	269	18:52
2025	Mar	18	(Tue)	06:05	06:26	91	12:28	77S	18:31	269	18:52
2025	Mar	19	(Wed)	06:04	06:25	90	12:28	78S	18:31	270	18:52
2025	Mar	20	(Thu)	06:03	06:24	90	12:28	78S	18:31	270	18:52

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

2025 May 27 (Tue)	05:31	05:54	68	12:17	82N	18:41	292	19:04
2025 May 28 (Wed)	05:31	05:54	68	12:17	82N	18:41	292	19:04
2025 May 29 (Thu)	05:31	05:54	68	12:18	82N	18:42	292	19:05
2025 May 30 (Fri)	05:30	05:54	67	12:18	82N	18:42	293	19:05
2025 May 31 (Sat)	05:30	05:54	67	12:18	81N	18:42	293	19:05
2025 Jun 01 (Sun)	05:30	05:54	67	12:18	81N	18:43	293	19:06
2025 Jun 02 (Mon)	05:30	05:54	67	12:18	81N	18:43	293	19:06
2025 Jun 03 (Tue)	05:30	05:54	67	12:18	81N	18:43	293	19:06
2025 Jun 04 (Wed)	05:30	05:54	67	12:19	81N	18:44	293	19:07
2025 Jun 05 (Thu)	05:30	05:54	67	12:19	81N	18:44	293	19:07
2025 Jun 06 (Fri)	05:30	05:54	67	12:19	81N	18:44	294	19:07
2025 Jun 07 (Sat)	05:31	05:54	66	12:19	81N	18:44	294	19:08
2025 Jun 08 (Sun)	05:31	05:54	66	12:19	80N	18:45	294	19:08
2025 Jun 09 (Mon)	05:31	05:54	66	12:19	80N	18:45	294	19:08
2025 Jun 10 (Tue)	05:31	05:54	66	12:20	80N	18:45	294	19:09
2025 Jun 11 (Wed)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025 Jun 12 (Thu)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025 Jun 13 (Fri)	05:31	05:54	66	12:20	80N	18:46	294	19:09
2025 Jun 14 (Sat)	05:31	05:55	66	12:20	80N	18:46	294	19:10
2025 Jun 15 (Sun)	05:31	05:55	66	12:21	80N	18:47	294	19:10
2025 Jun 16 (Mon)	05:32	05:55	66	12:21	80N	18:47	294	19:10
2025 Jun 17 (Tue)	05:32	05:55	66	12:21	80N	18:47	294	19:10
2025 Jun 18 (Wed)	05:32	05:55	66	12:21	80N	18:47	294	19:11
2025 Jun 19 (Thu)	05:32	05:56	66	12:22	80N	18:48	294	19:11
2025 Jun 20 (Fri)	05:32	05:56	66	12:22	80N	18:48	294	19:11
2025 Jun 21 (Sat)	05:33	05:56	66	12:22	80N	18:48	294	19:11
2025 Jun 22 (Sun)	05:33	05:56	66	12:22	80N	18:48	294	19:12
2025 Jun 23 (Mon)	05:33	05:56	66	12:22	80N	18:48	294	19:12
2025 Jun 24 (Tue)	05:33	05:57	66	12:23	80N	18:49	294	19:12
2025 Jun 25 (Wed)	05:34	05:57	66	12:23	80N	18:49	294	19:12
2025 Jun 26 (Thu)	05:34	05:57	66	12:23	80N	18:49	294	19:12
2025 Jun 27 (Fri)	05:34	05:57	66	12:23	80N	18:49	294	19:13
2025 Jun 28 (Sat)	05:34	05:58	66	12:24	80N	18:49	294	19:13
2025 Jun 29 (Sun)	05:35	05:58	66	12:24	80N	18:49	294	19:13
2025 Jun 30 (Mon)	05:35	05:58	66	12:24	80N	18:50	294	19:13
2025 Jul 01 (Tue)	05:35	05:58	66	12:24	80N	18:50	294	19:13
2025 Jul 02 (Wed)	05:35	05:59	66	12:24	80N	18:50	294	19:13
2025 Jul 03 (Thu)	05:36	05:59	66	12:24	80N	18:50	294	19:13
2025 Jul 04 (Fri)	05:36	05:59	66	12:25	80N	18:50	294	19:13
2025 Jul 05 (Sat)	05:36	06:00	66	12:25	81N	18:50	294	19:13
2025 Jul 06 (Sun)	05:37	06:00	67	12:25	81N	18:50	293	19:13
2025 Jul 07 (Mon)	05:37	06:00	67	12:25	81N	18:50	293	19:13
2025 Jul 08 (Tue)	05:37	06:00	67	12:25	81N	18:50	293	19:13
2025 Jul 09 (Wed)	05:37	06:01	67	12:25	81N	18:50	293	19:13
2025 Jul 10 (Thu)	05:38	06:01	67	12:26	81N	18:50	293	19:13
2025 Jul 11 (Fri)	05:38	06:01	67	12:26	81N	18:50	293	19:13
2025 Jul 12 (Sat)	05:38	06:01	67	12:26	81N	18:50	293	19:13
2025 Jul 13 (Sun)	05:39	06:02	67	12:26	82N	18:50	293	19:13
2025 Jul 14 (Mon)	05:39	06:02	68	12:26	82N	18:50	292	19:13
2025 Jul 15 (Tue)	05:39	06:02	68	12:26	82N	18:50	292	19:13
2025 Jul 16 (Wed)	05:40	06:03	68	12:26	82N	18:50	292	19:13
2025 Jul 17 (Thu)	05:40	06:03	68	12:26	82N	18:50	292	19:13
2025 Jul 18 (Fri)	05:40	06:03	68	12:26	82N	18:50	292	19:13
2025 Jul 19 (Sat)	05:40	06:03	68	12:27	83N	18:50	291	19:13
2025 Jul 20 (Sun)	05:41	06:04	69	12:27	83N	18:50	291	19:12
2025 Jul 21 (Mon)	05:41	06:04	69	12:27	83N	18:49	291	19:12
2025 Jul 22 (Tue)	05:41	06:04	69	12:27	83N	18:49	291	19:12
2025 Jul 23 (Wed)	05:42	06:04	69	12:27	83N	18:49	291	19:12
2025 Jul 24 (Thu)	05:42	06:05	69	12:27	84N	18:49	290	19:12
2025 Jul 25 (Fri)	05:42	06:05	70	12:27	84N	18:49	290	19:11
2025 Jul 26 (Sat)	05:42	06:05	70	12:27	84N	18:48	290	19:11
2025 Jul 27 (Sun)	05:43	06:05	70	12:27	84N	18:48	290	19:11
2025 Jul 28 (Mon)	05:43	06:06	70	12:27	84N	18:48	290	19:10
2025 Jul 29 (Tue)	05:43	06:06	71	12:27	85N	18:48	289	19:10
2025 Jul 30 (Wed)	05:43	06:06	71	12:27	85N	18:47	289	19:10
2025 Jul 31 (Thu)	05:44	06:06	71	12:27	85N	18:47	289	19:09
2025 Aug 01 (Fri)	05:44	06:06	71	12:27	85N	18:47	289	19:09

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

2025	Oct	08	(Wed)	05:48	06:10	96	12:08	72S	18:06	264	18:27
2025	Oct	09	(Thu)	05:48	06:10	96	12:07	72S	18:05	264	18:26
2025	Oct	10	(Fri)	05:49	06:10	97	12:07	71S	18:04	263	18:26
2025	Oct	11	(Sat)	05:49	06:10	97	12:07	71S	18:04	263	18:25
2025	Oct	12	(Sun)	05:49	06:10	97	12:07	71S	18:03	262	18:25
2025	Oct	13	(Mon)	05:49	06:10	98	12:06	70S	18:03	262	18:24
2025	Oct	14	(Tue)	05:49	06:10	98	12:06	70S	18:02	262	18:23
2025	Oct	15	(Wed)	05:49	06:10	99	12:06	69S	18:02	261	18:23
2025	Oct	16	(Thu)	05:49	06:10	99	12:06	69S	18:01	261	18:22
2025	Oct	17	(Fri)	05:49	06:11	99	12:06	69S	18:00	261	18:22
2025	Oct	18	(Sat)	05:49	06:11	100	12:05	68S	18:00	260	18:21
2025	Oct	19	(Sun)	05:49	06:11	100	12:05	68S	17:59	260	18:21
2025	Oct	20	(Mon)	05:49	06:11	100	12:05	68S	17:59	259	18:20
2025	Oct	21	(Tue)	05:50	06:11	101	12:05	67S	17:58	259	18:20
2025	Oct	22	(Wed)	05:50	06:11	101	12:05	67S	17:58	259	18:19
2025	Oct	23	(Thu)	05:50	06:11	102	12:05	67S	17:57	258	18:19
2025	Oct	24	(Fri)	05:50	06:12	102	12:04	66S	17:57	258	18:19
2025	Oct	25	(Sat)	05:50	06:12	102	12:04	66S	17:57	258	18:18
2025	Oct	26	(Sun)	05:50	06:12	103	12:04	66S	17:56	257	18:18
2025	Oct	27	(Mon)	05:51	06:12	103	12:04	65S	17:56	257	18:17
2025	Oct	28	(Tue)	05:51	06:12	103	12:04	65S	17:55	257	18:17
2025	Oct	29	(Wed)	05:51	06:13	104	12:04	65S	17:55	256	18:17
2025	Oct	30	(Thu)	05:51	06:13	104	12:04	64S	17:55	256	18:16
2025	Oct	31	(Fri)	05:51	06:13	104	12:04	64S	17:54	256	18:16
2025	Nov	01	(Sat)	05:52	06:13	105	12:04	64S	17:54	255	18:16
2025	Nov	02	(Sun)	05:52	06:14	105	12:04	63S	17:54	255	18:16
2025	Nov	03	(Mon)	05:52	06:14	105	12:04	63S	17:53	255	18:15
2025	Nov	04	(Tue)	05:52	06:14	106	12:04	63S	17:53	254	18:15
2025	Nov	05	(Wed)	05:53	06:15	106	12:04	62S	17:53	254	18:15
2025	Nov	06	(Thu)	05:53	06:15	106	12:04	62S	17:53	254	18:15
2025	Nov	07	(Fri)	05:53	06:15	106	12:04	62S	17:52	253	18:14
2025	Nov	08	(Sat)	05:54	06:16	107	12:04	61S	17:52	253	18:14
2025	Nov	09	(Sun)	05:54	06:16	107	12:04	61S	17:52	253	18:14
2025	Nov	10	(Mon)	05:54	06:16	107	12:04	61S	17:52	252	18:14
2025	Nov	11	(Tue)	05:55	06:17	108	12:04	61S	17:52	252	18:14
2025	Nov	12	(Wed)	05:55	06:17	108	12:04	60S	17:51	252	18:14
2025	Nov	13	(Thu)	05:55	06:17	108	12:04	60S	17:51	252	18:14
2025	Nov	14	(Fri)	05:56	06:18	108	12:05	60S	17:51	251	18:13
2025	Nov	15	(Sat)	05:56	06:18	109	12:05	60S	17:51	251	18:13
2025	Nov	16	(Sun)	05:56	06:19	109	12:05	59S	17:51	251	18:13
2025	Nov	17	(Mon)	05:57	06:19	109	12:05	59S	17:51	251	18:13
2025	Nov	18	(Tue)	05:57	06:20	110	12:05	59S	17:51	250	18:13
2025	Nov	19	(Wed)	05:58	06:20	110	12:06	59S	17:51	250	18:13
2025	Nov	20	(Thu)	05:58	06:20	110	12:06	58S	17:51	250	18:13
2025	Nov	21	(Fri)	05:58	06:21	110	12:06	58S	17:51	250	18:14
2025	Nov	22	(Sat)	05:59	06:21	110	12:06	58S	17:51	249	18:14
2025	Nov	23	(Sun)	05:59	06:22	111	12:07	58S	17:51	249	18:14
2025	Nov	24	(Mon)	06:00	06:22	111	12:07	57S	17:51	249	18:14
2025	Nov	25	(Tue)	06:00	06:23	111	12:07	57S	17:51	249	18:14
2025	Nov	26	(Wed)	06:01	06:23	111	12:07	57S	17:51	249	18:14
2025	Nov	27	(Thu)	06:01	06:24	111	12:08	57S	17:52	248	18:14
2025	Nov	28	(Fri)	06:02	06:24	112	12:08	57S	17:52	248	18:14
2025	Nov	29	(Sat)	06:02	06:25	112	12:08	57S	17:52	248	18:15
2025	Nov	30	(Sun)	06:03	06:25	112	12:09	56S	17:52	248	18:15
2025	Dec	01	(Mon)	06:03	06:26	112	12:09	56S	17:52	248	18:15
2025	Dec	02	(Tue)	06:04	06:27	112	12:10	56S	17:53	248	18:15
2025	Dec	03	(Wed)	06:04	06:27	112	12:10	56S	17:53	247	18:16
2025	Dec	04	(Thu)	06:05	06:28	113	12:10	56S	17:53	247	18:16
2025	Dec	05	(Fri)	06:05	06:28	113	12:11	56S	17:53	247	18:16
2025	Dec	06	(Sat)	06:06	06:29	113	12:11	56S	17:54	247	18:17
2025	Dec	07	(Sun)	06:06	06:29	113	12:12	55S	17:54	247	18:17
2025	Dec	08	(Mon)	06:07	06:30	113	12:12	55S	17:54	247	18:17
2025	Dec	09	(Tue)	06:07	06:30	113	12:13	55S	17:55	247	18:18
2025	Dec	10	(Wed)	06:08	06:31	113	12:13	55S	17:55	247	18:18
2025	Dec	11	(Thu)	06:08	06:31	113	12:13	55S	17:55	247	18:18
2025	Dec	12	(Fri)	06:09	06:32	113	12:14	55S	17:56	246	18:19
2025	Dec	13	(Sat)	06:09	06:32	114	12:14	55S	17:56	246	18:19

2025	Dec 14	(Sun)	06:10	06:33	114	12:15	55S	17:57	246	18:20
2025	Dec 15	(Mon)	06:11	06:34	114	12:15	55S	17:57	246	18:20
2025	Dec 16	(Tue)	06:11	06:34	114	12:16	55S	17:57	246	18:21
2025	Dec 17	(Wed)	06:12	06:35	114	12:16	55S	17:58	246	18:21
2025	Dec 18	(Thu)	06:12	06:35	114	12:17	55S	17:58	246	18:21
2025	Dec 19	(Fri)	06:13	06:36	114	12:17	55S	17:59	246	18:22
2025	Dec 20	(Sat)	06:13	06:36	114	12:18	55S	17:59	246	18:22
2025	Dec 21	(Sun)	06:14	06:37	114	12:18	55S	18:00	246	18:23
2025	Dec 22	(Mon)	06:14	06:37	114	12:19	55S	18:00	246	18:23
2025	Dec 23	(Tue)	06:15	06:38	114	12:19	55S	18:01	246	18:24
2025	Dec 24	(Wed)	06:15	06:38	114	12:20	55S	18:01	246	18:24
2025	Dec 25	(Thu)	06:16	06:39	114	12:20	55S	18:02	246	18:25
2025	Dec 26	(Fri)	06:16	06:39	114	12:21	55S	18:02	246	18:25
2025	Dec 27	(Sat)	06:17	06:40	114	12:21	55S	18:03	246	18:26
2025	Dec 28	(Sun)	06:17	06:40	114	12:22	55S	18:03	246	18:27
2025	Dec 29	(Mon)	06:17	06:40	114	12:22	55S	18:04	246	18:27
2025	Dec 30	(Tue)	06:18	06:41	114	12:23	55S	18:05	246	18:28
2025	Dec 31	(Wed)	06:18	06:41	114	12:23	55S	18:05	247	18:28

Moon

VTMH

Location: E 99°57'00.0", N12°37'00.0", 62m
(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)	07:51	116		13:38	52S		19:28	245	
2025 Jan 02 (Thu)	08:42	113		14:33	57S		20:26	250	
2025 Jan 03 (Fri)	09:29	107		15:24	62S		21:23	256	
2025 Jan 04 (Sat)	10:12	101		16:13	68S		22:17	262	
2025 Jan 05 (Sun)	10:54	94		17:01	75S		23:11	269	
2025 Jan 06 (Mon)	11:34	87		17:48	82S				
2025 Jan 07 (Tue)	12:16	80		18:36	89S		00:05	276	
2025 Jan 08 (Wed)	13:00	74		19:27	86N		01:00	283	
2025 Jan 09 (Thu)	13:47	68		20:21	81N		01:57	289	
2025 Jan 10 (Fri)	14:40	64		21:19	77N		02:58	294	
2025 Jan 11 (Sat)	15:37	61		22:20	75N		04:01	298	
2025 Jan 12 (Sun)	16:38	61		23:22	75N		05:04	299	
2025 Jan 13 (Mon)	17:40	62					06:05	299	
2025 Jan 14 (Tue)	18:40	65		00:21	77N		07:00	296	
2025 Jan 15 (Wed)	19:36	70		01:16	80N		07:50	292	
2025 Jan 16 (Thu)	20:28	75		02:06	85N		08:34	288	
2025 Jan 17 (Fri)	21:17	81		02:52	90N		09:14	282	
2025 Jan 18 (Sat)	22:03	87		03:35	85S		09:50	276	
2025 Jan 19 (Sun)	22:47	93		04:15	79S		10:24	270	
2025 Jan 20 (Mon)	23:32	99		04:54	73S		10:58	264	
2025 Jan 21 (Tue)				05:34	68S		11:33	258	
2025 Jan 22 (Wed)	00:18	105		06:15	62S		12:09	253	
2025 Jan 23 (Thu)	01:06	110		06:58	58S		12:49	248	
2025 Jan 24 (Fri)	01:56	114		07:45	54S		13:32	245	
2025 Jan 25 (Sat)	02:50	117		08:36	51S		14:21	242	
2025 Jan 26 (Sun)	03:46	119		09:30	49S		15:15	241	
2025 Jan 27 (Mon)	04:43	119		10:27	49S		16:13	241	
2025 Jan 28 (Tue)	05:39	118		11:25	51S		17:13	244	
2025 Jan 29 (Wed)	06:32	114		12:22	55S		18:14	248	
2025 Jan 30 (Thu)	07:22	110		13:16	60S		19:13	253	
2025 Jan 31 (Fri)	08:08	104		14:07	66S		20:10	260	
2025 Feb 01 (Sat)	08:51	97		14:56	73S		21:05	267	
2025 Feb 02 (Sun)	09:33	89		15:45	80S		22:00	274	
2025 Feb 03 (Mon)	10:15	82		16:33	87S		22:55	281	
2025 Feb 04 (Tue)	10:58	76		17:24	88N		23:53	288	
2025 Feb 05 (Wed)	11:45	70		18:17	82N				
2025 Feb 06 (Thu)	12:35	65		19:13	78N		00:52	293	

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

2025 Apr 15 (Tue)	20:26 113	01:29 58S	07:20 249
2025 Apr 16 (Wed)	21:18 117	02:15 54S	08:02 245
2025 Apr 17 (Thu)	22:11 119	03:04 51S	08:49 242
2025 Apr 18 (Fri)	23:05 119	03:55 49S	09:39 241
2025 Apr 19 (Sat)	23:58 118	04:49 49S	10:33 241
2025 Apr 20 (Sun)		05:43 50S	11:29 243
2025 Apr 21 (Mon)	00:49 116	06:36 53S	12:26 246
2025 Apr 22 (Tue)	01:37 112	07:28 57S	13:22 251
2025 Apr 23 (Wed)	02:22 106	08:18 63S	14:18 257
2025 Apr 24 (Thu)	03:05 100	09:08 70S	15:13 263
2025 Apr 25 (Fri)	03:48 93	09:57 77S	16:09 271
2025 Apr 26 (Sat)	04:31 85	10:47 84S	17:07 278
2025 Apr 27 (Sun)	05:16 78	11:40 90N	18:07 285
2025 Apr 28 (Mon)	06:05 71	12:37 83N	19:11 292
2025 Apr 29 (Tue)	06:59 66	13:37 78N	20:18 296
2025 Apr 30 (Wed)	07:59 62	14:41 75N	21:25 299
2025 May 01 (Thu)	09:01 61	15:46 74N	22:30 299
2025 May 02 (Fri)	10:05 61	16:48 76N	23:29 297
2025 May 03 (Sat)	11:06 64	17:45 79N	
2025 May 04 (Sun)	12:04 68	18:36 83N	00:21 294
2025 May 05 (Mon)	12:57 73	19:23 88N	01:06 289
2025 May 06 (Tue)	13:46 79	20:06 88S	01:47 284
2025 May 07 (Wed)	14:32 85	20:47 82S	02:24 278
2025 May 08 (Thu)	15:17 91	21:26 76S	02:58 272
2025 May 09 (Fri)	16:01 97	22:05 70S	03:32 266
2025 May 10 (Sat)	16:47 102	22:45 64S	04:06 261
2025 May 11 (Sun)	17:33 108	23:27 59S	04:42 255
2025 May 12 (Mon)	18:22 112		05:19 250
2025 May 13 (Tue)	19:13 116	00:12 55S	06:01 246
2025 May 14 (Wed)	20:07 118	01:00 52S	06:46 243
2025 May 15 (Thu)	21:01 119	01:51 50S	07:36 241
2025 May 16 (Fri)	21:54 119	02:45 49S	08:29 241
2025 May 17 (Sat)	22:45 117	03:38 50S	09:24 242
2025 May 18 (Sun)	23:33 113	04:31 52S	10:20 245
2025 May 19 (Mon)		05:23 56S	11:15 249
2025 May 20 (Tue)	00:18 108	06:12 61S	12:09 254
2025 May 21 (Wed)	01:00 102	07:00 67S	13:03 261
2025 May 22 (Thu)	01:41 96	07:47 74S	13:56 268
2025 May 23 (Fri)	02:23 89	08:35 81S	14:51 275
2025 May 24 (Sat)	03:05 82	09:25 88S	15:49 282
2025 May 25 (Sun)	03:51 75	10:19 87N	16:50 289
2025 May 26 (Mon)	04:42 69	11:17 81N	17:55 294
2025 May 27 (Tue)	05:39 64	12:20 77N	19:02 298
2025 May 28 (Wed)	06:41 61	13:25 75N	20:10 299
2025 May 29 (Thu)	07:46 61	14:30 75N	21:13 298
2025 May 30 (Fri)	08:50 63	15:31 77N	22:10 296
2025 May 31 (Sat)	09:52 66	16:27 81N	23:00 291
2025 Jun 01 (Sun)	10:48 71	17:17 86N	23:43 286
2025 Jun 02 (Mon)	11:40 77	18:02 90S	
2025 Jun 03 (Tue)	12:28 83	18:44 84S	00:22 280
2025 Jun 04 (Wed)	13:14 89	19:24 78S	00:58 274
2025 Jun 05 (Thu)	13:59 95	20:04 72S	01:32 268
2025 Jun 06 (Fri)	14:43 101	20:44 66S	02:06 262
2025 Jun 07 (Sat)	15:30 106	21:25 61S	02:41 257
2025 Jun 08 (Sun)	16:18 111	22:09 56S	03:18 252
2025 Jun 09 (Mon)	17:08 115	22:56 53S	03:59 247
2025 Jun 10 (Tue)	18:01 118	23:47 50S	04:43 244
2025 Jun 11 (Wed)	18:55 119		05:31 242
2025 Jun 12 (Thu)	19:49 119	00:40 49S	06:24 241
2025 Jun 13 (Fri)	20:42 117	01:34 50S	07:19 242
2025 Jun 14 (Sat)	21:31 114	02:28 52S	08:15 244
2025 Jun 15 (Sun)	22:17 110	03:20 55S	09:11 248
2025 Jun 16 (Mon)	22:59 104	04:10 60S	10:05 253
2025 Jun 17 (Tue)	23:40 98	04:58 65S	10:58 259
2025 Jun 18 (Wed)		05:44 72S	11:51 265
2025 Jun 19 (Thu)	00:20 91	06:30 79S	12:43 272
2025 Jun 20 (Fri)	01:01 84	07:18 86S	13:38 280

2025 Jun 21 (Sat)	01:44 77	08:08 89N	14:35 286
2025 Jun 22 (Sun)	02:31 71	09:02 83N	15:37 292
2025 Jun 23 (Mon)	03:23 66	10:01 78N	16:42 296
2025 Jun 24 (Tue)	04:22 62	11:05 75N	17:49 299
2025 Jun 25 (Wed)	05:25 61	12:10 75N	18:54 299
2025 Jun 26 (Thu)	06:31 62	13:13 76N	19:55 297
2025 Jun 27 (Fri)	07:34 65	14:13 79N	20:48 293
2025 Jun 28 (Sat)	08:34 69	15:06 84N	21:35 288
2025 Jun 29 (Sun)	09:29 74	15:55 89N	22:17 283
2025 Jun 30 (Mon)	10:20 80	16:39 86S	22:55 277
2025 Jul 01 (Tue)	11:08 86	17:20 80S	23:30 270
2025 Jul 02 (Wed)	11:53 93	18:00 74S	
2025 Jul 03 (Thu)	12:39 99	18:40 68S	00:05 264
2025 Jul 04 (Fri)	13:24 104	19:21 63S	00:40 259
2025 Jul 05 (Sat)	14:12 109	20:04 58S	01:16 253
2025 Jul 06 (Sun)	15:01 113	20:50 54S	01:55 249
2025 Jul 07 (Mon)	15:54 117	21:40 51S	02:38 245
2025 Jul 08 (Tue)	16:48 119	22:32 49S	03:25 242
2025 Jul 09 (Wed)	17:42 119	23:27 49S	04:16 241
2025 Jul 10 (Thu)	18:36 118		05:11 241
2025 Jul 11 (Fri)	19:27 115	00:21 51S	06:08 243
2025 Jul 12 (Sat)	20:14 111	01:15 54S	07:05 246
2025 Jul 13 (Sun)	20:58 106	02:06 58S	08:01 251
2025 Jul 14 (Mon)	21:40 100	02:55 64S	08:55 257
2025 Jul 15 (Tue)	22:20 93	03:42 70S	09:48 264
2025 Jul 16 (Wed)	23:00 86	04:28 77S	10:40 271
2025 Jul 17 (Thu)	23:42 79	05:15 84S	11:33 278
2025 Jul 18 (Fri)		06:03 90S	12:28 284
2025 Jul 19 (Sat)	00:26 73	06:55 85N	13:27 290
2025 Jul 20 (Sun)	01:15 67	07:51 80N	14:29 295
2025 Jul 21 (Mon)	02:10 63	08:51 76N	15:34 298
2025 Jul 22 (Tue)	03:10 61	09:54 75N	16:38 299
2025 Jul 23 (Wed)	04:13 61	10:57 75N	17:40 298
2025 Jul 24 (Thu)	05:17 63	11:58 78N	18:36 295
2025 Jul 25 (Fri)	06:19 67	12:54 82N	19:26 291
2025 Jul 26 (Sat)	07:16 72	13:45 87N	20:10 285
2025 Jul 27 (Sun)	08:09 78	14:31 89S	20:50 279
2025 Jul 28 (Mon)	08:59 84	15:14 82S	21:27 273
2025 Jul 29 (Tue)	09:46 90	15:55 76S	22:02 267
2025 Jul 30 (Wed)	10:32 96	16:36 70S	22:37 261
2025 Jul 31 (Thu)	11:18 102	17:17 65S	23:13 255
2025 Aug 01 (Fri)	12:05 107	17:59 59S	23:51 250
2025 Aug 02 (Sat)	12:53 112	18:44 55S	
2025 Aug 03 (Sun)	13:44 116	19:31 52S	00:32 246
2025 Aug 04 (Mon)	14:38 118	20:22 50S	01:17 243
2025 Aug 05 (Tue)	15:32 119	21:16 49S	02:07 241
2025 Aug 06 (Wed)	16:26 119	22:11 50S	03:00 241
2025 Aug 07 (Thu)	17:18 117	23:05 52S	03:57 242
2025 Aug 08 (Fri)	18:08 113	23:58 56S	04:54 245
2025 Aug 09 (Sat)	18:54 108		05:51 249
2025 Aug 10 (Sun)	19:37 102	00:49 61S	06:47 255
2025 Aug 11 (Mon)	20:19 95	01:38 68S	07:41 261
2025 Aug 12 (Tue)	20:59 88	02:25 75S	08:35 268
2025 Aug 13 (Wed)	21:41 81	03:12 82S	09:29 276
2025 Aug 14 (Thu)	22:25 74	04:01 89S	10:24 282
2025 Aug 15 (Fri)	23:12 69	04:52 86N	11:22 289
2025 Aug 16 (Sat)		05:46 81N	12:22 294
2025 Aug 17 (Sun)	00:05 64	06:44 77N	13:25 297
2025 Aug 18 (Mon)	01:02 61	07:45 75N	14:29 299
2025 Aug 19 (Tue)	02:03 61	08:47 75N	15:31 299
2025 Aug 20 (Wed)	03:06 62	09:48 76N	16:27 297
2025 Aug 21 (Thu)	04:07 65	10:44 80N	17:19 293
2025 Aug 22 (Fri)	05:05 70	11:36 85N	18:04 288
2025 Aug 23 (Sat)	05:59 75	12:24 90N	18:45 282
2025 Aug 24 (Sun)	06:50 81	13:08 85S	19:23 276
2025 Aug 25 (Mon)	07:38 88	13:50 79S	19:59 269
2025 Aug 26 (Tue)	08:25 94	14:31 73S	20:34 263

2025 Aug 27 (Wed)	09:11 100	15:12 67S	21:10 257
2025 Aug 28 (Thu)	09:57 105	15:53 61S	21:47 252
2025 Aug 29 (Fri)	10:46 110	16:37 57S	22:27 248
2025 Aug 30 (Sat)	11:36 114	17:24 53S	23:10 244
2025 Aug 31 (Sun)	12:28 117	18:13 50S	23:57 242
2025 Sep 01 (Mon)	13:21 119	19:05 49S	
2025 Sep 02 (Tue)	14:15 119	19:59 49S	00:49 241
2025 Sep 03 (Wed)	15:07 118	20:53 51S	01:43 241
2025 Sep 04 (Thu)	15:58 115	21:46 54S	02:40 243
2025 Sep 05 (Fri)	16:45 110	22:38 59S	03:37 247
2025 Sep 06 (Sat)	17:30 105	23:28 65S	04:34 252
2025 Sep 07 (Sun)	18:13 98		05:29 258
2025 Sep 08 (Mon)	18:55 91	00:17 72S	06:24 265
2025 Sep 09 (Tue)	19:37 84	01:05 79S	07:19 273
2025 Sep 10 (Wed)	20:21 77	01:54 86S	08:15 280
2025 Sep 11 (Thu)	21:08 70	02:46 89N	09:14 287
2025 Sep 12 (Fri)	22:00 65	03:40 83N	10:15 292
2025 Sep 13 (Sat)	22:57 62	04:38 78N	11:19 297
2025 Sep 14 (Sun)	23:57 61	05:39 75N	12:23 299
2025 Sep 15 (Mon)		06:41 74N	13:25 299
2025 Sep 16 (Tue)	00:59 61	07:42 76N	14:23 298
2025 Sep 17 (Wed)	02:00 64	08:39 79N	15:15 294
2025 Sep 18 (Thu)	02:58 68	09:31 83N	16:02 289
2025 Sep 19 (Fri)	03:53 73	10:20 88N	16:43 284
2025 Sep 20 (Sat)	04:44 79	11:04 87S	17:22 278
2025 Sep 21 (Sun)	05:32 85	11:46 81S	17:58 272
2025 Sep 22 (Mon)	06:19 91	12:27 75S	18:33 265
2025 Sep 23 (Tue)	07:05 98	13:08 69S	19:08 260
2025 Sep 24 (Wed)	07:51 103	13:49 63S	19:45 254
2025 Sep 25 (Thu)	08:39 109	14:32 58S	20:23 249
2025 Sep 26 (Fri)	09:28 113	15:18 54S	21:05 245
2025 Sep 27 (Sat)	10:19 116	16:06 51S	21:51 242
2025 Sep 28 (Sun)	11:12 119	16:56 49S	22:40 241
2025 Sep 29 (Mon)	12:05 119	17:48 49S	23:32 241
2025 Sep 30 (Tue)	12:57 119	18:42 50S	
2025 Oct 01 (Wed)	13:47 116	19:34 53S	00:27 242
2025 Oct 02 (Thu)	14:35 113	20:26 57S	01:23 245
2025 Oct 03 (Fri)	15:20 108	21:15 62S	02:18 250
2025 Oct 04 (Sat)	16:03 102	22:04 68S	03:13 255
2025 Oct 05 (Sun)	16:45 95	22:53 75S	04:08 262
2025 Oct 06 (Mon)	17:28 87	23:42 82S	05:03 269
2025 Oct 07 (Tue)	18:12 80		06:00 276
2025 Oct 08 (Wed)	18:59 73	00:33 90S	06:58 284
2025 Oct 09 (Thu)	19:51 67	01:28 85N	08:01 290
2025 Oct 10 (Fri)	20:48 63	02:27 80N	09:06 295
2025 Oct 11 (Sat)	21:49 61	03:29 76N	10:12 298
2025 Oct 12 (Sun)	22:52 61	04:33 75N	11:17 299
2025 Oct 13 (Mon)	23:55 63	05:36 75N	12:18 298
2025 Oct 14 (Tue)		06:35 78N	13:12 295
2025 Oct 15 (Wed)	00:54 67	07:29 82N	14:01 291
2025 Oct 16 (Thu)	01:49 71	08:18 87N	14:43 286
2025 Oct 17 (Fri)	02:41 77	09:03 89S	15:22 280
2025 Oct 18 (Sat)	03:29 83	09:45 83S	15:59 274
2025 Oct 19 (Sun)	04:16 89	10:26 77S	16:33 268
2025 Oct 20 (Mon)	05:01 95	11:06 71S	17:08 262
2025 Oct 21 (Tue)	05:47 101	11:47 65S	17:44 256
2025 Oct 22 (Wed)	06:34 107	12:29 60S	18:22 251
2025 Oct 23 (Thu)	07:23 111	13:14 56S	19:03 247
2025 Oct 24 (Fri)	08:13 115	14:01 52S	19:47 243
2025 Oct 25 (Sat)	09:05 118	14:50 50S	20:35 241
2025 Oct 26 (Sun)	09:58 119	15:42 49S	21:25 241
2025 Oct 27 (Mon)	10:50 119	16:34 50S	22:19 242
2025 Oct 28 (Tue)	11:40 117	17:26 52S	23:13 244
2025 Oct 29 (Wed)	12:27 114	18:16 55S	
2025 Oct 30 (Thu)	13:12 110	19:05 59S	00:07 248
2025 Oct 31 (Fri)	13:55 104	19:53 65S	01:00 253
2025 Nov 01 (Sat)	14:36 98	20:40 72S	01:53 259

2025 Nov 02 (Sun)	15:17 91	21:27 79S	02:47 265
2025 Nov 03 (Mon)	15:59 84	22:17 86S	03:41 273
2025 Nov 04 (Tue)	16:45 77	23:10 89N	04:38 280
2025 Nov 05 (Wed)	17:35 70		05:39 287
2025 Nov 06 (Thu)	18:30 65	00:07 82N	06:44 293
2025 Nov 07 (Fri)	19:32 62	01:10 78N	07:52 297
2025 Nov 08 (Sat)	20:37 61	02:16 75N	09:00 299
2025 Nov 09 (Sun)	21:43 62	03:22 75N	10:06 299
2025 Nov 10 (Mon)	22:46 65	04:25 77N	11:05 296
2025 Nov 11 (Tue)	23:44 70	05:23 80N	11:57 292
2025 Nov 12 (Wed)		06:14 85N	12:42 287
2025 Nov 13 (Thu)	00:37 75	07:01 91N	13:23 282
2025 Nov 14 (Fri)	01:27 81	07:45 85S	14:00 275
2025 Nov 15 (Sat)	02:14 88	08:26 79S	14:35 269
2025 Nov 16 (Sun)	03:00 94	09:06 73S	15:10 263
2025 Nov 17 (Mon)	03:45 100	09:46 67S	15:45 258
2025 Nov 18 (Tue)	04:31 105	10:28 62S	16:22 252
2025 Nov 19 (Wed)	05:19 110	11:11 57S	17:01 248
2025 Nov 20 (Thu)	06:09 114	11:58 53S	17:45 244
2025 Nov 21 (Fri)	07:01 117	12:47 51S	18:31 242
2025 Nov 22 (Sat)	07:53 119	13:38 49S	19:21 241
2025 Nov 23 (Sun)	08:46 119	14:30 49S	20:14 241
2025 Nov 24 (Mon)	09:36 118	15:21 51S	21:08 243
2025 Nov 25 (Tue)	10:24 115	16:12 54S	22:01 246
2025 Nov 26 (Wed)	11:09 111	17:00 58S	22:54 251
2025 Nov 27 (Thu)	11:51 106	17:47 63S	23:45 256
2025 Nov 28 (Fri)	12:31 101	18:32 69S	
2025 Nov 29 (Sat)	13:10 94	19:17 76S	00:36 263
2025 Nov 30 (Sun)	13:50 87	20:04 83S	01:28 269
2025 Dec 01 (Mon)	14:33 80	20:54 89S	02:21 276
2025 Dec 02 (Tue)	15:19 74	21:47 86N	03:18 283
2025 Dec 03 (Wed)	16:11 68	22:46 80N	04:19 290
2025 Dec 04 (Thu)	17:09 63	23:51 76N	05:25 295
2025 Dec 05 (Fri)	18:14 61		06:35 298
2025 Dec 06 (Sat)	19:21 61	00:58 75N	07:43 299
2025 Dec 07 (Sun)	20:28 64	02:05 76N	08:48 298
2025 Dec 08 (Mon)	21:31 68	03:08 79N	09:45 294
2025 Dec 09 (Tue)	22:28 73	04:05 83N	10:35 289
2025 Dec 10 (Wed)	23:21 79	04:55 89N	11:19 284
2025 Dec 11 (Thu)		05:41 87S	11:58 277
2025 Dec 12 (Fri)	00:10 86	06:24 81S	12:35 271
2025 Dec 13 (Sat)	00:57 92	07:05 75S	13:10 265
2025 Dec 14 (Sun)	01:42 98	07:45 69S	13:45 259
2025 Dec 15 (Mon)	02:28 104	08:26 63S	14:21 254
2025 Dec 16 (Tue)	03:16 109	09:09 58S	15:00 249
2025 Dec 17 (Wed)	04:05 113	09:54 54S	15:42 245
2025 Dec 18 (Thu)	04:56 116	10:42 51S	16:28 243
2025 Dec 19 (Fri)	05:48 118	11:33 50S	17:17 241
2025 Dec 20 (Sat)	06:41 119	12:25 49S	18:09 241
2025 Dec 21 (Sun)	07:33 118	13:18 50S	19:03 243
2025 Dec 22 (Mon)	08:22 116	14:09 53S	19:57 246
2025 Dec 23 (Tue)	09:07 112	14:58 57S	20:50 250
2025 Dec 24 (Wed)	09:50 108	15:45 62S	21:42 255
2025 Dec 25 (Thu)	10:30 102	16:30 67S	22:32 261
2025 Dec 26 (Fri)	11:09 96	17:14 74S	23:22 267
2025 Dec 27 (Sat)	11:47 89	17:59 80S	
2025 Dec 28 (Sun)	12:27 83	18:45 87S	00:13 274
2025 Dec 29 (Mon)	13:10 76	19:35 88N	01:06 281
2025 Dec 30 (Tue)	13:57 70	20:29 82N	02:03 287
2025 Dec 31 (Wed)	14:50 65	21:29 78N	03:05 293