

Sun

VTMK

Location: E 99°55'00.0", N14°06'00.0", 33m
(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)	05:55	06:45 114		12:24 54S	18:03 247		18:53
2025 Jan 02 (Thu)	05:55	06:45 113		12:24 54S	18:04 247		18:54
2025 Jan 03 (Fri)	05:56	06:45 113		12:25 54S	18:04 247		18:54
2025 Jan 04 (Sat)	05:56	06:46 113		12:25 54S	18:05 247		18:55
2025 Jan 05 (Sun)	05:56	06:46 113		12:26 54S	18:06 247		18:55
2025 Jan 06 (Mon)	05:57	06:46 113		12:26 54S	18:06 247		18:56
2025 Jan 07 (Tue)	05:57	06:47 113		12:27 54S	18:07 247		18:56
2025 Jan 08 (Wed)	05:57	06:47 113		12:27 54S	18:07 247		18:57
2025 Jan 09 (Thu)	05:58	06:47 113		12:27 55S	18:08 247		18:57
2025 Jan 10 (Fri)	05:58	06:47 112		12:28 55S	18:09 248		18:58
2025 Jan 11 (Sat)	05:58	06:48 112		12:28 55S	18:09 248		18:58
2025 Jan 12 (Sun)	05:58	06:48 112		12:29 55S	18:10 248		18:59
2025 Jan 13 (Mon)	05:59	06:48 112		12:29 55S	18:10 248		18:59
2025 Jan 14 (Tue)	05:59	06:48 112		12:29 55S	18:11 248		19:00
2025 Jan 15 (Wed)	05:59	06:48 112		12:30 56S	18:11 249		19:00
2025 Jan 16 (Thu)	05:59	06:48 111		12:30 56S	18:12 249		19:01
2025 Jan 17 (Fri)	06:00	06:48 111		12:30 56S	18:12 249		19:01
2025 Jan 18 (Sat)	06:00	06:49 111		12:31 56S	18:13 249		19:02
2025 Jan 19 (Sun)	06:00	06:49 111		12:31 56S	18:14 249		19:02
2025 Jan 20 (Mon)	06:00	06:49 111		12:31 57S	18:14 250		19:03
2025 Jan 21 (Tue)	06:00	06:49 110		12:32 57S	18:15 250		19:03
2025 Jan 22 (Wed)	06:00	06:49 110		12:32 57S	18:15 250		19:04
2025 Jan 23 (Thu)	06:00	06:49 110		12:32 57S	18:16 250		19:04
2025 Jan 24 (Fri)	06:00	06:49 110		12:32 57S	18:16 251		19:05
2025 Jan 25 (Sat)	06:00	06:49 109		12:33 58S	18:17 251		19:05
2025 Jan 26 (Sun)	06:00	06:49 109		12:33 58S	18:17 251		19:05
2025 Jan 27 (Mon)	06:00	06:49 109		12:33 58S	18:18 251		19:06
2025 Jan 28 (Tue)	06:00	06:49 109		12:33 58S	18:18 252		19:06
2025 Jan 29 (Wed)	06:00	06:48 108		12:33 59S	18:19 252		19:07
2025 Jan 30 (Thu)	06:00	06:48 108		12:34 59S	18:19 252		19:07
2025 Jan 31 (Fri)	06:00	06:48 108		12:34 59S	18:20 252		19:07
2025 Feb 01 (Sat)	06:00	06:48 107		12:34 60S	18:20 253		19:08
2025 Feb 02 (Sun)	06:00	06:48 107		12:34 60S	18:20 253		19:08
2025 Feb 03 (Mon)	06:00	06:48 107		12:34 60S	18:21 253		19:09
2025 Feb 04 (Tue)	06:00	06:47 107		12:34 60S	18:21 254		19:09
2025 Feb 05 (Wed)	05:59	06:47 106		12:34 61S	18:22 254		19:09
2025 Feb 06 (Thu)	05:59	06:47 106		12:34 61S	18:22 254		19:10
2025 Feb 07 (Fri)	05:59	06:47 106		12:34 61S	18:22 255		19:10
2025 Feb 08 (Sat)	05:59	06:46 105		12:34 62S	18:23 255		19:10
2025 Feb 09 (Sun)	05:59	06:46 105		12:35 62S	18:23 255		19:11
2025 Feb 10 (Mon)	05:58	06:46 105		12:35 62S	18:24 256		19:11
2025 Feb 11 (Tue)	05:58	06:45 104		12:35 63S	18:24 256		19:11
2025 Feb 12 (Wed)	05:58	06:45 104		12:35 63S	18:24 256		19:11
2025 Feb 13 (Thu)	05:58	06:45 104		12:35 63S	18:25 257		19:12
2025 Feb 14 (Fri)	05:57	06:44 103		12:34 64S	18:25 257		19:12
2025 Feb 15 (Sat)	05:57	06:44 103		12:34 64S	18:25 257		19:12
2025 Feb 16 (Sun)	05:57	06:43 103		12:34 64S	18:25 258		19:12
2025 Feb 17 (Mon)	05:56	06:43 102		12:34 65S	18:26 258		19:13
2025 Feb 18 (Tue)	05:56	06:43 102		12:34 65S	18:26 258		19:13
2025 Feb 19 (Wed)	05:55	06:42 101		12:34 65S	18:26 259		19:13
2025 Feb 20 (Thu)	05:55	06:42 101		12:34 66S	18:27 259		19:13
2025 Feb 21 (Fri)	05:55	06:41 101		12:34 66S	18:27 260		19:13
2025 Feb 22 (Sat)	05:54	06:41 100		12:34 67S	18:27 260		19:14
2025 Feb 23 (Sun)	05:54	06:40 100		12:34 67S	18:27 260		19:14
2025 Feb 24 (Mon)	05:53	06:40 100		12:34 67S	18:28 261		19:14

2025	Feb	25	(Tue)	05:53	06:39	99	12:33	68S	18:28	261	19:14
2025	Feb	26	(Wed)	05:52	06:39	99	12:33	68S	18:28	261	19:14
2025	Feb	27	(Thu)	05:52	06:38	98	12:33	68S	18:28	262	19:15
2025	Feb	28	(Fri)	05:51	06:37	98	12:33	69S	18:28	262	19:15
2025	Mar	01	(Sat)	05:51	06:37	98	12:33	69S	18:29	263	19:15
2025	Mar	02	(Sun)	05:50	06:36	97	12:32	70S	18:29	263	19:15
2025	Mar	03	(Mon)	05:49	06:36	97	12:32	70S	18:29	263	19:15
2025	Mar	04	(Tue)	05:49	06:35	96	12:32	70S	18:29	264	19:15
2025	Mar	05	(Wed)	05:48	06:35	96	12:32	71S	18:29	264	19:15
2025	Mar	06	(Thu)	05:48	06:34	96	12:32	71S	18:29	265	19:16
2025	Mar	07	(Fri)	05:47	06:33	95	12:31	71S	18:30	265	19:16
2025	Mar	08	(Sat)	05:47	06:33	95	12:31	72S	18:30	265	19:16
2025	Mar	09	(Sun)	05:46	06:32	94	12:31	72S	18:30	266	19:16
2025	Mar	10	(Mon)	05:45	06:31	94	12:31	73S	18:30	266	19:16
2025	Mar	11	(Tue)	05:45	06:31	94	12:30	73S	18:30	267	19:16
2025	Mar	12	(Wed)	05:44	06:30	93	12:30	73S	18:30	267	19:16
2025	Mar	13	(Thu)	05:43	06:29	93	12:30	74S	18:30	267	19:16
2025	Mar	14	(Fri)	05:43	06:29	92	12:30	74S	18:31	268	19:17
2025	Mar	15	(Sat)	05:42	06:28	92	12:29	75S	18:31	268	19:17
2025	Mar	16	(Sun)	05:41	06:27	92	12:29	75S	18:31	269	19:17
2025	Mar	17	(Mon)	05:41	06:27	91	12:29	75S	18:31	269	19:17
2025	Mar	18	(Tue)	05:40	06:26	91	12:28	76S	18:31	269	19:17
2025	Mar	19	(Wed)	05:39	06:25	90	12:28	76S	18:31	270	19:17
2025	Mar	20	(Thu)	05:39	06:25	90	12:28	77S	18:31	270	19:17
2025	Mar	21	(Fri)	05:38	06:24	90	12:27	77S	18:31	271	19:17
2025	Mar	22	(Sat)	05:37	06:23	89	12:27	77S	18:31	271	19:17
2025	Mar	23	(Sun)	05:36	06:23	89	12:27	78S	18:31	271	19:18
2025	Mar	24	(Mon)	05:36	06:22	88	12:27	78S	18:32	272	19:18
2025	Mar	25	(Tue)	05:35	06:21	88	12:26	79S	18:32	272	19:18
2025	Mar	26	(Wed)	05:34	06:20	88	12:26	79S	18:32	273	19:18
2025	Mar	27	(Thu)	05:34	06:20	87	12:26	79S	18:32	273	19:18
2025	Mar	28	(Fri)	05:33	06:19	87	12:25	80S	18:32	273	19:18
2025	Mar	29	(Sat)	05:32	06:18	86	12:25	80S	18:32	274	19:18
2025	Mar	30	(Sun)	05:31	06:18	86	12:25	80S	18:32	274	19:18
2025	Mar	31	(Mon)	05:31	06:17	86	12:24	81S	18:32	275	19:19
2025	Apr	01	(Tue)	05:30	06:16	85	12:24	81S	18:32	275	19:19
2025	Apr	02	(Wed)	05:29	06:16	85	12:24	82S	18:32	275	19:19
2025	Apr	03	(Thu)	05:28	06:15	84	12:24	82S	18:33	276	19:19
2025	Apr	04	(Fri)	05:28	06:14	84	12:23	82S	18:33	276	19:19
2025	Apr	05	(Sat)	05:27	06:14	84	12:23	83S	18:33	277	19:19
2025	Apr	06	(Sun)	05:26	06:13	83	12:23	83S	18:33	277	19:19
2025	Apr	07	(Mon)	05:26	06:12	83	12:22	84S	18:33	277	19:20
2025	Apr	08	(Tue)	05:25	06:12	82	12:22	84S	18:33	278	19:20
2025	Apr	09	(Wed)	05:24	06:11	82	12:22	84S	18:33	278	19:20
2025	Apr	10	(Thu)	05:23	06:10	82	12:22	85S	18:33	279	19:20
2025	Apr	11	(Fri)	05:23	06:10	81	12:21	85S	18:33	279	19:20
2025	Apr	12	(Sat)	05:22	06:09	81	12:21	85S	18:33	279	19:20
2025	Apr	13	(Sun)	05:21	06:08	80	12:21	86S	18:34	280	19:21
2025	Apr	14	(Mon)	05:21	06:08	80	12:21	86S	18:34	280	19:21
2025	Apr	15	(Tue)	05:20	06:07	80	12:20	86S	18:34	280	19:21
2025	Apr	16	(Wed)	05:19	06:06	79	12:20	87S	18:34	281	19:21
2025	Apr	17	(Thu)	05:19	06:06	79	12:20	87S	18:34	281	19:21
2025	Apr	18	(Fri)	05:18	06:05	79	12:20	88S	18:34	282	19:22
2025	Apr	19	(Sat)	05:17	06:05	78	12:19	88S	18:34	282	19:22
2025	Apr	20	(Sun)	05:17	06:04	78	12:19	88S	18:35	282	19:22
2025	Apr	21	(Mon)	05:16	06:03	78	12:19	89S	18:35	283	19:22
2025	Apr	22	(Tue)	05:15	06:03	77	12:19	89S	18:35	283	19:23
2025	Apr	23	(Wed)	05:15	06:02	77	12:19	89S	18:35	283	19:23
2025	Apr	24	(Thu)	05:14	06:02	77	12:18	90S	18:35	284	19:23
2025	Apr	25	(Fri)	05:14	06:01	76	12:18	90S	18:35	284	19:23
2025	Apr	26	(Sat)	05:13	06:01	76	12:18	90S	18:36	284	19:24
2025	Apr	27	(Sun)	05:12	06:00	76	12:18	91S	18:36	285	19:24
2025	Apr	28	(Mon)	05:12	06:00	75	12:18	91N	18:36	285	19:24
2025	Apr	29	(Tue)	05:11	05:59	75	12:18	90N	18:36	285	19:24
2025	Apr	30	(Wed)	05:11	05:59	75	12:18	90N	18:36	286	19:25
2025	May	01	(Thu)	05:10	05:58	74	12:17	90N	18:37	286	19:25
2025	May	02	(Fri)	05:10	05:58	74	12:17	89N	18:37	286	19:25

2025	May	03	(Sat)	05:09	05:58	74	12:17	89N	18:37	287	19:26
2025	May	04	(Sun)	05:09	05:57	73	12:17	89N	18:37	287	19:26
2025	May	05	(Mon)	05:08	05:57	73	12:17	88N	18:38	287	19:26
2025	May	06	(Tue)	05:08	05:56	73	12:17	88N	18:38	287	19:27
2025	May	07	(Wed)	05:07	05:56	72	12:17	88N	18:38	288	19:27
2025	May	08	(Thu)	05:07	05:56	72	12:17	88N	18:38	288	19:27
2025	May	09	(Fri)	05:06	05:55	72	12:17	87N	18:39	288	19:28
2025	May	10	(Sat)	05:06	05:55	72	12:17	87N	18:39	289	19:28
2025	May	11	(Sun)	05:05	05:55	71	12:17	87N	18:39	289	19:28
2025	May	12	(Mon)	05:05	05:54	71	12:17	87N	18:39	289	19:29
2025	May	13	(Tue)	05:05	05:54	71	12:17	86N	18:40	289	19:29
2025	May	14	(Wed)	05:04	05:54	71	12:17	86N	18:40	290	19:29
2025	May	15	(Thu)	05:04	05:53	70	12:17	86N	18:40	290	19:30
2025	May	16	(Fri)	05:04	05:53	70	12:17	86N	18:40	290	19:30
2025	May	17	(Sat)	05:03	05:53	70	12:17	85N	18:41	290	19:30
2025	May	18	(Sun)	05:03	05:53	70	12:17	85N	18:41	291	19:31
2025	May	19	(Mon)	05:03	05:52	69	12:17	85N	18:41	291	19:31
2025	May	20	(Tue)	05:02	05:52	69	12:17	85N	18:42	291	19:32
2025	May	21	(Wed)	05:02	05:52	69	12:17	85N	18:42	291	19:32
2025	May	22	(Thu)	05:02	05:52	69	12:17	84N	18:42	291	19:32
2025	May	23	(Fri)	05:02	05:52	69	12:17	84N	18:43	292	19:33
2025	May	24	(Sat)	05:01	05:52	68	12:17	84N	18:43	292	19:33
2025	May	25	(Sun)	05:01	05:52	68	12:17	84N	18:43	292	19:33
2025	May	26	(Mon)	05:01	05:51	68	12:17	84N	18:43	292	19:34
2025	May	27	(Tue)	05:01	05:51	68	12:17	83N	18:44	292	19:34
2025	May	28	(Wed)	05:01	05:51	68	12:18	83N	18:44	292	19:35
2025	May	29	(Thu)	05:01	05:51	67	12:18	83N	18:44	293	19:35
2025	May	30	(Fri)	05:01	05:51	67	12:18	83N	18:45	293	19:35
2025	May	31	(Sat)	05:00	05:51	67	12:18	83N	18:45	293	19:36
2025	Jun	01	(Sun)	05:00	05:51	67	12:18	83N	18:45	293	19:36
2025	Jun	02	(Mon)	05:00	05:51	67	12:18	83N	18:46	293	19:37
2025	Jun	03	(Tue)	05:00	05:51	67	12:19	82N	18:46	293	19:37
2025	Jun	04	(Wed)	05:00	05:51	67	12:19	82N	18:46	293	19:37
2025	Jun	05	(Thu)	05:00	05:51	66	12:19	82N	18:47	294	19:38
2025	Jun	06	(Fri)	05:00	05:51	66	12:19	82N	18:47	294	19:38
2025	Jun	07	(Sat)	05:00	05:51	66	12:19	82N	18:47	294	19:38
2025	Jun	08	(Sun)	05:00	05:51	66	12:19	82N	18:48	294	19:39
2025	Jun	09	(Mon)	05:00	05:51	66	12:20	82N	18:48	294	19:39
2025	Jun	10	(Tue)	05:00	05:52	66	12:20	82N	18:48	294	19:39
2025	Jun	11	(Wed)	05:00	05:52	66	12:20	82N	18:48	294	19:40
2025	Jun	12	(Thu)	05:01	05:52	66	12:20	82N	18:49	294	19:40
2025	Jun	13	(Fri)	05:01	05:52	66	12:20	82N	18:49	294	19:40
2025	Jun	14	(Sat)	05:01	05:52	66	12:21	82N	18:49	294	19:41
2025	Jun	15	(Sun)	05:01	05:52	66	12:21	81N	18:50	294	19:41
2025	Jun	16	(Mon)	05:01	05:52	66	12:21	81N	18:50	294	19:41
2025	Jun	17	(Tue)	05:01	05:53	66	12:21	81N	18:50	294	19:41
2025	Jun	18	(Wed)	05:01	05:53	66	12:21	81N	18:50	294	19:42
2025	Jun	19	(Thu)	05:02	05:53	66	12:22	81N	18:50	294	19:42
2025	Jun	20	(Fri)	05:02	05:53	66	12:22	81N	18:51	294	19:42
2025	Jun	21	(Sat)	05:02	05:53	66	12:22	81N	18:51	294	19:42
2025	Jun	22	(Sun)	05:02	05:54	66	12:22	81N	18:51	294	19:43
2025	Jun	23	(Mon)	05:02	05:54	66	12:23	81N	18:51	294	19:43
2025	Jun	24	(Tue)	05:03	05:54	66	12:23	81N	18:52	294	19:43
2025	Jun	25	(Wed)	05:03	05:54	66	12:23	81N	18:52	294	19:43
2025	Jun	26	(Thu)	05:03	05:55	66	12:23	81N	18:52	294	19:43
2025	Jun	27	(Fri)	05:03	05:55	66	12:23	81N	18:52	294	19:43
2025	Jun	28	(Sat)	05:04	05:55	66	12:24	82N	18:52	294	19:44
2025	Jun	29	(Sun)	05:04	05:55	66	12:24	82N	18:52	294	19:44
2025	Jun	30	(Mon)	05:04	05:56	66	12:24	82N	18:52	294	19:44
2025	Jul	01	(Tue)	05:05	05:56	66	12:24	82N	18:53	294	19:44
2025	Jul	02	(Wed)	05:05	05:56	66	12:24	82N	18:53	294	19:44
2025	Jul	03	(Thu)	05:05	05:56	66	12:25	82N	18:53	294	19:44
2025	Jul	04	(Fri)	05:06	05:57	66	12:25	82N	18:53	294	19:44
2025	Jul	05	(Sat)	05:06	05:57	66	12:25	82N	18:53	294	19:44
2025	Jul	06	(Sun)	05:06	05:57	66	12:25	82N	18:53	294	19:44
2025	Jul	07	(Mon)	05:07	05:58	66	12:25	82N	18:53	293	19:44
2025	Jul	08	(Tue)	05:07	05:58	67	12:25	82N	18:53	293	19:44

2025	Jul	09	(Wed)	05:07	05:58	67	12:26	82N	18:53	293	19:44
2025	Jul	10	(Thu)	05:08	05:58	67	12:26	83N	18:53	293	19:44
2025	Jul	11	(Fri)	05:08	05:59	67	12:26	83N	18:53	293	19:44
2025	Jul	12	(Sat)	05:08	05:59	67	12:26	83N	18:53	293	19:44
2025	Jul	13	(Sun)	05:09	05:59	67	12:26	83N	18:53	293	19:43
2025	Jul	14	(Mon)	05:09	06:00	67	12:26	83N	18:53	293	19:43
2025	Jul	15	(Tue)	05:09	06:00	68	12:26	83N	18:53	292	19:43
2025	Jul	16	(Wed)	05:10	06:00	68	12:26	83N	18:53	292	19:43
2025	Jul	17	(Thu)	05:10	06:00	68	12:27	84N	18:52	292	19:43
2025	Jul	18	(Fri)	05:10	06:01	68	12:27	84N	18:52	292	19:43
2025	Jul	19	(Sat)	05:11	06:01	68	12:27	84N	18:52	292	19:42
2025	Jul	20	(Sun)	05:11	06:01	68	12:27	84N	18:52	291	19:42
2025	Jul	21	(Mon)	05:11	06:02	69	12:27	84N	18:52	291	19:42
2025	Jul	22	(Tue)	05:12	06:02	69	12:27	85N	18:52	291	19:42
2025	Jul	23	(Wed)	05:12	06:02	69	12:27	85N	18:51	291	19:41
2025	Jul	24	(Thu)	05:13	06:02	69	12:27	85N	18:51	291	19:41
2025	Jul	25	(Fri)	05:13	06:03	69	12:27	85N	18:51	290	19:41
2025	Jul	26	(Sat)	05:13	06:03	70	12:27	85N	18:51	290	19:40
2025	Jul	27	(Sun)	05:14	06:03	70	12:27	86N	18:50	290	19:40
2025	Jul	28	(Mon)	05:14	06:03	70	12:27	86N	18:50	290	19:40
2025	Jul	29	(Tue)	05:14	06:04	70	12:27	86N	18:50	289	19:39
2025	Jul	30	(Wed)	05:15	06:04	71	12:27	86N	18:50	289	19:39
2025	Jul	31	(Thu)	05:15	06:04	71	12:27	87N	18:49	289	19:38
2025	Aug	01	(Fri)	05:15	06:04	71	12:27	87N	18:49	289	19:38
2025	Aug	02	(Sat)	05:16	06:05	71	12:27	87N	18:49	288	19:38
2025	Aug	03	(Sun)	05:16	06:05	72	12:27	87N	18:48	288	19:37
2025	Aug	04	(Mon)	05:16	06:05	72	12:26	88N	18:48	288	19:37
2025	Aug	05	(Tue)	05:16	06:05	72	12:26	88N	18:47	288	19:36
2025	Aug	06	(Wed)	05:17	06:05	73	12:26	88N	18:47	287	19:36
2025	Aug	07	(Thu)	05:17	06:06	73	12:26	88N	18:46	287	19:35
2025	Aug	08	(Fri)	05:17	06:06	73	12:26	89N	18:46	287	19:35
2025	Aug	09	(Sat)	05:17	06:06	73	12:26	89N	18:46	286	19:34
2025	Aug	10	(Sun)	05:18	06:06	74	12:26	89N	18:45	286	19:33
2025	Aug	11	(Mon)	05:18	06:06	74	12:26	90N	18:45	286	19:33
2025	Aug	12	(Tue)	05:18	06:07	74	12:25	90N	18:44	285	19:32
2025	Aug	13	(Wed)	05:18	06:07	75	12:25	90N	18:44	285	19:32
2025	Aug	14	(Thu)	05:19	06:07	75	12:25	91N	18:43	285	19:31
2025	Aug	15	(Fri)	05:19	06:07	75	12:25	91S	18:43	285	19:30
2025	Aug	16	(Sat)	05:19	06:07	76	12:25	90S	18:42	284	19:30
2025	Aug	17	(Sun)	05:19	06:07	76	12:24	90S	18:41	284	19:29
2025	Aug	18	(Mon)	05:20	06:07	76	12:24	90S	18:41	284	19:29
2025	Aug	19	(Tue)	05:20	06:07	77	12:24	89S	18:40	283	19:28
2025	Aug	20	(Wed)	05:20	06:08	77	12:24	89S	18:40	283	19:27
2025	Aug	21	(Thu)	05:20	06:08	77	12:24	89S	18:39	283	19:27
2025	Aug	22	(Fri)	05:20	06:08	78	12:23	88S	18:39	282	19:26
2025	Aug	23	(Sat)	05:21	06:08	78	12:23	88S	18:38	282	19:25
2025	Aug	24	(Sun)	05:21	06:08	78	12:23	88S	18:37	281	19:25
2025	Aug	25	(Mon)	05:21	06:08	79	12:22	87S	18:37	281	19:24
2025	Aug	26	(Tue)	05:21	06:08	79	12:22	87S	18:36	281	19:23
2025	Aug	27	(Wed)	05:21	06:08	79	12:22	87S	18:35	280	19:22
2025	Aug	28	(Thu)	05:21	06:08	80	12:22	86S	18:35	280	19:22
2025	Aug	29	(Fri)	05:21	06:08	80	12:21	86S	18:34	280	19:21
2025	Aug	30	(Sat)	05:22	06:09	81	12:21	86S	18:33	279	19:20
2025	Aug	31	(Sun)	05:22	06:09	81	12:21	85S	18:33	279	19:19
2025	Sep	01	(Mon)	05:22	06:09	81	12:20	85S	18:32	279	19:19
2025	Sep	02	(Tue)	05:22	06:09	82	12:20	84S	18:31	278	19:18
2025	Sep	03	(Wed)	05:22	06:09	82	12:20	84S	18:31	278	19:17
2025	Sep	04	(Thu)	05:22	06:09	82	12:19	84S	18:30	277	19:16
2025	Sep	05	(Fri)	05:22	06:09	83	12:19	83S	18:29	277	19:16
2025	Sep	06	(Sat)	05:22	06:09	83	12:19	83S	18:28	277	19:15
2025	Sep	07	(Sun)	05:22	06:09	84	12:18	83S	18:28	276	19:14
2025	Sep	08	(Mon)	05:22	06:09	84	12:18	82S	18:27	276	19:13
2025	Sep	09	(Tue)	05:23	06:09	84	12:18	82S	18:26	275	19:13
2025	Sep	10	(Wed)	05:23	06:09	85	12:17	81S	18:25	275	19:12
2025	Sep	11	(Thu)	05:23	06:09	85	12:17	81S	18:25	275	19:11
2025	Sep	12	(Fri)	05:23	06:09	85	12:17	81S	18:24	274	19:10
2025	Sep	13	(Sat)	05:23	06:09	86	12:16	80S	18:23	274	19:09

2025 Sep 14 (Sun)	05:23	06:09	86	12:16	80S	18:22	274	19:09
2025 Sep 15 (Mon)	05:23	06:09	87	12:16	80S	18:22	273	19:08
2025 Sep 16 (Tue)	05:23	06:09	87	12:15	79S	18:21	273	19:07
2025 Sep 17 (Wed)	05:23	06:09	87	12:15	79S	18:20	272	19:06
2025 Sep 18 (Thu)	05:23	06:09	88	12:14	78S	18:19	272	19:06
2025 Sep 19 (Fri)	05:23	06:09	88	12:14	78S	18:19	272	19:05
2025 Sep 20 (Sat)	05:23	06:09	89	12:14	78S	18:18	271	19:04
2025 Sep 21 (Sun)	05:23	06:09	89	12:13	77S	18:17	271	19:03
2025 Sep 22 (Mon)	05:23	06:09	89	12:13	77S	18:17	270	19:03
2025 Sep 23 (Tue)	05:23	06:09	90	12:13	76S	18:16	270	19:02
2025 Sep 24 (Wed)	05:23	06:10	90	12:12	76S	18:15	270	19:01
2025 Sep 25 (Thu)	05:23	06:10	91	12:12	76S	18:14	269	19:00
2025 Sep 26 (Fri)	05:24	06:10	91	12:12	75S	18:14	269	19:00
2025 Sep 27 (Sat)	05:24	06:10	91	12:11	75S	18:13	268	18:59
2025 Sep 28 (Sun)	05:24	06:10	92	12:11	74S	18:12	268	18:58
2025 Sep 29 (Mon)	05:24	06:10	92	12:11	74S	18:11	268	18:57
2025 Sep 30 (Tue)	05:24	06:10	93	12:10	74S	18:11	267	18:57
2025 Oct 01 (Wed)	05:24	06:10	93	12:10	73S	18:10	267	18:56
2025 Oct 02 (Thu)	05:24	06:10	93	12:10	73S	18:09	266	18:55
2025 Oct 03 (Fri)	05:24	06:10	94	12:09	73S	18:09	266	18:55
2025 Oct 04 (Sat)	05:24	06:10	94	12:09	72S	18:08	266	18:54
2025 Oct 05 (Sun)	05:24	06:10	95	12:09	72S	18:07	265	18:53
2025 Oct 06 (Mon)	05:24	06:10	95	12:08	71S	18:06	265	18:53
2025 Oct 07 (Tue)	05:24	06:10	95	12:08	71S	18:06	264	18:52
2025 Oct 08 (Wed)	05:24	06:10	96	12:08	71S	18:05	264	18:51
2025 Oct 09 (Thu)	05:24	06:11	96	12:08	70S	18:04	264	18:51
2025 Oct 10 (Fri)	05:24	06:11	97	12:07	70S	18:04	263	18:50
2025 Oct 11 (Sat)	05:25	06:11	97	12:07	69S	18:03	263	18:49
2025 Oct 12 (Sun)	05:25	06:11	97	12:07	69S	18:03	262	18:49
2025 Oct 13 (Mon)	05:25	06:11	98	12:07	69S	18:02	262	18:48
2025 Oct 14 (Tue)	05:25	06:11	98	12:06	68S	18:01	262	18:48
2025 Oct 15 (Wed)	05:25	06:11	99	12:06	68S	18:01	261	18:47
2025 Oct 16 (Thu)	05:25	06:11	99	12:06	68S	18:00	261	18:47
2025 Oct 17 (Fri)	05:25	06:12	99	12:06	67S	18:00	260	18:46
2025 Oct 18 (Sat)	05:25	06:12	100	12:06	67S	17:59	260	18:46
2025 Oct 19 (Sun)	05:25	06:12	100	12:05	67S	17:58	260	18:45
2025 Oct 20 (Mon)	05:26	06:12	100	12:05	66S	17:58	259	18:45
2025 Oct 21 (Tue)	05:26	06:12	101	12:05	66S	17:57	259	18:44
2025 Oct 22 (Wed)	05:26	06:13	101	12:05	65S	17:57	259	18:44
2025 Oct 23 (Thu)	05:26	06:13	102	12:05	65S	17:56	258	18:43
2025 Oct 24 (Fri)	05:26	06:13	102	12:05	65S	17:56	258	18:43
2025 Oct 25 (Sat)	05:26	06:13	102	12:04	64S	17:55	258	18:42
2025 Oct 26 (Sun)	05:27	06:14	103	12:04	64S	17:55	257	18:42
2025 Oct 27 (Mon)	05:27	06:14	103	12:04	64S	17:54	257	18:42
2025 Oct 28 (Tue)	05:27	06:14	103	12:04	63S	17:54	257	18:41
2025 Oct 29 (Wed)	05:27	06:14	104	12:04	63S	17:54	256	18:41
2025 Oct 30 (Thu)	05:27	06:15	104	12:04	63S	17:53	256	18:40
2025 Oct 31 (Fri)	05:28	06:15	104	12:04	62S	17:53	255	18:40
2025 Nov 01 (Sat)	05:28	06:15	105	12:04	62S	17:52	255	18:40
2025 Nov 02 (Sun)	05:28	06:16	105	12:04	62S	17:52	255	18:40
2025 Nov 03 (Mon)	05:28	06:16	105	12:04	61S	17:52	255	18:39
2025 Nov 04 (Tue)	05:29	06:16	106	12:04	61S	17:51	254	18:39
2025 Nov 05 (Wed)	05:29	06:17	106	12:04	61S	17:51	254	18:39
2025 Nov 06 (Thu)	05:29	06:17	106	12:04	61S	17:51	254	18:39
2025 Nov 07 (Fri)	05:30	06:17	107	12:04	60S	17:51	253	18:38
2025 Nov 08 (Sat)	05:30	06:18	107	12:04	60S	17:50	253	18:38
2025 Nov 09 (Sun)	05:30	06:18	107	12:04	60S	17:50	253	18:38
2025 Nov 10 (Mon)	05:30	06:18	107	12:04	59S	17:50	252	18:38
2025 Nov 11 (Tue)	05:31	06:19	108	12:04	59S	17:50	252	18:38
2025 Nov 12 (Wed)	05:31	06:19	108	12:04	59S	17:50	252	18:38
2025 Nov 13 (Thu)	05:31	06:20	108	12:05	59S	17:49	252	18:38
2025 Nov 14 (Fri)	05:32	06:20	109	12:05	58S	17:49	251	18:38
2025 Nov 15 (Sat)	05:32	06:21	109	12:05	58S	17:49	251	18:38
2025 Nov 16 (Sun)	05:33	06:21	109	12:05	58S	17:49	251	18:37
2025 Nov 17 (Mon)	05:33	06:21	109	12:05	58S	17:49	251	18:37
2025 Nov 18 (Tue)	05:33	06:22	110	12:05	57S	17:49	250	18:38
2025 Nov 19 (Wed)	05:34	06:22	110	12:06	57S	17:49	250	18:38

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

Sun

VTMK

Location: E 99°55'00.0", N14°06'00.0", 33m
(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)	06:21	06:45	114	12:24	54S	18:03	247	18:26
2025 Jan 02 (Thu)	06:22	06:45	113	12:24	54S	18:04	247	18:27
2025 Jan 03 (Fri)	06:22	06:45	113	12:25	54S	18:04	247	18:28
2025 Jan 04 (Sat)	06:22	06:46	113	12:25	54S	18:05	247	18:28
2025 Jan 05 (Sun)	06:23	06:46	113	12:26	54S	18:06	247	18:29
2025 Jan 06 (Mon)	06:23	06:46	113	12:26	54S	18:06	247	18:29
2025 Jan 07 (Tue)	06:23	06:47	113	12:27	54S	18:07	247	18:30
2025 Jan 08 (Wed)	06:24	06:47	113	12:27	54S	18:07	247	18:30
2025 Jan 09 (Thu)	06:24	06:47	113	12:27	55S	18:08	247	18:31
2025 Jan 10 (Fri)	06:24	06:47	112	12:28	55S	18:09	248	18:31
2025 Jan 11 (Sat)	06:25	06:48	112	12:28	55S	18:09	248	18:32
2025 Jan 12 (Sun)	06:25	06:48	112	12:29	55S	18:10	248	18:33

2025	Jan	13	(Mon)	06:25	06:48	112	12:29	55S	18:10	248	18:33
2025	Jan	14	(Tue)	06:25	06:48	112	12:29	55S	18:11	248	18:34
2025	Jan	15	(Wed)	06:25	06:48	112	12:30	56S	18:11	249	18:34
2025	Jan	16	(Thu)	06:26	06:48	111	12:30	56S	18:12	249	18:35
2025	Jan	17	(Fri)	06:26	06:48	111	12:30	56S	18:12	249	18:35
2025	Jan	18	(Sat)	06:26	06:49	111	12:31	56S	18:13	249	18:36
2025	Jan	19	(Sun)	06:26	06:49	111	12:31	56S	18:14	249	18:36
2025	Jan	20	(Mon)	06:26	06:49	111	12:31	57S	18:14	250	18:37
2025	Jan	21	(Tue)	06:26	06:49	110	12:32	57S	18:15	250	18:37
2025	Jan	22	(Wed)	06:26	06:49	110	12:32	57S	18:15	250	18:38
2025	Jan	23	(Thu)	06:26	06:49	110	12:32	57S	18:16	250	18:38
2025	Jan	24	(Fri)	06:26	06:49	110	12:32	57S	18:16	251	18:39
2025	Jan	25	(Sat)	06:26	06:49	109	12:33	58S	18:17	251	18:39
2025	Jan	26	(Sun)	06:26	06:49	109	12:33	58S	18:17	251	18:40
2025	Jan	27	(Mon)	06:26	06:49	109	12:33	58S	18:18	251	18:40
2025	Jan	28	(Tue)	06:26	06:49	109	12:33	58S	18:18	252	18:41
2025	Jan	29	(Wed)	06:26	06:48	108	12:33	59S	18:19	252	18:41
2025	Jan	30	(Thu)	06:26	06:48	108	12:34	59S	18:19	252	18:41
2025	Jan	31	(Fri)	06:26	06:48	108	12:34	59S	18:20	252	18:42
2025	Feb	01	(Sat)	06:26	06:48	107	12:34	60S	18:20	253	18:42
2025	Feb	02	(Sun)	06:26	06:48	107	12:34	60S	18:20	253	18:43
2025	Feb	03	(Mon)	06:25	06:48	107	12:34	60S	18:21	253	18:43
2025	Feb	04	(Tue)	06:25	06:47	107	12:34	60S	18:21	254	18:43
2025	Feb	05	(Wed)	06:25	06:47	106	12:34	61S	18:22	254	18:44
2025	Feb	06	(Thu)	06:25	06:47	106	12:34	61S	18:22	254	18:44
2025	Feb	07	(Fri)	06:25	06:47	106	12:34	61S	18:22	255	18:44
2025	Feb	08	(Sat)	06:24	06:46	105	12:34	62S	18:23	255	18:45
2025	Feb	09	(Sun)	06:24	06:46	105	12:35	62S	18:23	255	18:45
2025	Feb	10	(Mon)	06:24	06:46	105	12:35	62S	18:24	256	18:45
2025	Feb	11	(Tue)	06:23	06:45	104	12:35	63S	18:24	256	18:46
2025	Feb	12	(Wed)	06:23	06:45	104	12:35	63S	18:24	256	18:46
2025	Feb	13	(Thu)	06:23	06:45	104	12:35	63S	18:25	257	18:46
2025	Feb	14	(Fri)	06:22	06:44	103	12:34	64S	18:25	257	18:47
2025	Feb	15	(Sat)	06:22	06:44	103	12:34	64S	18:25	257	18:47
2025	Feb	16	(Sun)	06:22	06:43	103	12:34	64S	18:25	258	18:47
2025	Feb	17	(Mon)	06:21	06:43	102	12:34	65S	18:26	258	18:47
2025	Feb	18	(Tue)	06:21	06:43	102	12:34	65S	18:26	258	18:48
2025	Feb	19	(Wed)	06:20	06:42	101	12:34	65S	18:26	259	18:48
2025	Feb	20	(Thu)	06:20	06:42	101	12:34	66S	18:27	259	18:48
2025	Feb	21	(Fri)	06:20	06:41	101	12:34	66S	18:27	260	18:48
2025	Feb	22	(Sat)	06:19	06:41	100	12:34	67S	18:27	260	18:49
2025	Feb	23	(Sun)	06:19	06:40	100	12:34	67S	18:27	260	18:49
2025	Feb	24	(Mon)	06:18	06:40	100	12:34	67S	18:28	261	18:49
2025	Feb	25	(Tue)	06:18	06:39	99	12:33	68S	18:28	261	18:49
2025	Feb	26	(Wed)	06:17	06:39	99	12:33	68S	18:28	261	18:49
2025	Feb	27	(Thu)	06:17	06:38	98	12:33	68S	18:28	262	18:50
2025	Feb	28	(Fri)	06:16	06:37	98	12:33	69S	18:28	262	18:50
2025	Mar	01	(Sat)	06:15	06:37	98	12:33	69S	18:29	263	18:50
2025	Mar	02	(Sun)	06:15	06:36	97	12:32	70S	18:29	263	18:50
2025	Mar	03	(Mon)	06:14	06:36	97	12:32	70S	18:29	263	18:50
2025	Mar	04	(Tue)	06:14	06:35	96	12:32	70S	18:29	264	18:51
2025	Mar	05	(Wed)	06:13	06:35	96	12:32	71S	18:29	264	18:51
2025	Mar	06	(Thu)	06:13	06:34	96	12:32	71S	18:29	265	18:51
2025	Mar	07	(Fri)	06:12	06:33	95	12:31	71S	18:30	265	18:51
2025	Mar	08	(Sat)	06:11	06:33	95	12:31	72S	18:30	265	18:51
2025	Mar	09	(Sun)	06:11	06:32	94	12:31	72S	18:30	266	18:51
2025	Mar	10	(Mon)	06:10	06:31	94	12:31	73S	18:30	266	18:51
2025	Mar	11	(Tue)	06:09	06:31	94	12:30	73S	18:30	267	18:51
2025	Mar	12	(Wed)	06:09	06:30	93	12:30	73S	18:30	267	18:52
2025	Mar	13	(Thu)	06:08	06:29	93	12:30	74S	18:30	267	18:52
2025	Mar	14	(Fri)	06:07	06:29	92	12:30	74S	18:31	268	18:52
2025	Mar	15	(Sat)	06:07	06:28	92	12:29	75S	18:31	268	18:52
2025	Mar	16	(Sun)	06:06	06:27	92	12:29	75S	18:31	269	18:52
2025	Mar	17	(Mon)	06:05	06:27	91	12:29	75S	18:31	269	18:52
2025	Mar	18	(Tue)	06:05	06:26	91	12:28	76S	18:31	269	18:52
2025	Mar	19	(Wed)	06:04	06:25	90	12:28	76S	18:31	270	18:52
2025	Mar	20	(Thu)	06:03	06:25	90	12:28	77S	18:31	270	18:52

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

2025 May 27 (Tue)	05:28	05:51	68	12:17	83N	18:44	292	19:07
2025 May 28 (Wed)	05:28	05:51	68	12:18	83N	18:44	292	19:07
2025 May 29 (Thu)	05:28	05:51	67	12:18	83N	18:44	293	19:08
2025 May 30 (Fri)	05:28	05:51	67	12:18	83N	18:45	293	19:08
2025 May 31 (Sat)	05:28	05:51	67	12:18	83N	18:45	293	19:08
2025 Jun 01 (Sun)	05:28	05:51	67	12:18	83N	18:45	293	19:09
2025 Jun 02 (Mon)	05:28	05:51	67	12:18	83N	18:46	293	19:09
2025 Jun 03 (Tue)	05:28	05:51	67	12:19	82N	18:46	293	19:09
2025 Jun 04 (Wed)	05:28	05:51	67	12:19	82N	18:46	293	19:10
2025 Jun 05 (Thu)	05:28	05:51	66	12:19	82N	18:47	294	19:10
2025 Jun 06 (Fri)	05:28	05:51	66	12:19	82N	18:47	294	19:10
2025 Jun 07 (Sat)	05:28	05:51	66	12:19	82N	18:47	294	19:11
2025 Jun 08 (Sun)	05:28	05:51	66	12:19	82N	18:48	294	19:11
2025 Jun 09 (Mon)	05:28	05:51	66	12:20	82N	18:48	294	19:11
2025 Jun 10 (Tue)	05:28	05:52	66	12:20	82N	18:48	294	19:12
2025 Jun 11 (Wed)	05:28	05:52	66	12:20	82N	18:48	294	19:12
2025 Jun 12 (Thu)	05:28	05:52	66	12:20	82N	18:49	294	19:12
2025 Jun 13 (Fri)	05:28	05:52	66	12:20	82N	18:49	294	19:12
2025 Jun 14 (Sat)	05:28	05:52	66	12:21	82N	18:49	294	19:13
2025 Jun 15 (Sun)	05:29	05:52	66	12:21	81N	18:50	294	19:13
2025 Jun 16 (Mon)	05:29	05:52	66	12:21	81N	18:50	294	19:13
2025 Jun 17 (Tue)	05:29	05:53	66	12:21	81N	18:50	294	19:14
2025 Jun 18 (Wed)	05:29	05:53	66	12:21	81N	18:50	294	19:14
2025 Jun 19 (Thu)	05:29	05:53	66	12:22	81N	18:50	294	19:14
2025 Jun 20 (Fri)	05:30	05:53	66	12:22	81N	18:51	294	19:14
2025 Jun 21 (Sat)	05:30	05:53	66	12:22	81N	18:51	294	19:15
2025 Jun 22 (Sun)	05:30	05:54	66	12:22	81N	18:51	294	19:15
2025 Jun 23 (Mon)	05:30	05:54	66	12:23	81N	18:51	294	19:15
2025 Jun 24 (Tue)	05:30	05:54	66	12:23	81N	18:52	294	19:15
2025 Jun 25 (Wed)	05:31	05:54	66	12:23	81N	18:52	294	19:15
2025 Jun 26 (Thu)	05:31	05:55	66	12:23	81N	18:52	294	19:15
2025 Jun 27 (Fri)	05:31	05:55	66	12:23	81N	18:52	294	19:16
2025 Jun 28 (Sat)	05:31	05:55	66	12:24	82N	18:52	294	19:16
2025 Jun 29 (Sun)	05:32	05:55	66	12:24	82N	18:52	294	19:16
2025 Jun 30 (Mon)	05:32	05:56	66	12:24	82N	18:52	294	19:16
2025 Jul 01 (Tue)	05:32	05:56	66	12:24	82N	18:53	294	19:16
2025 Jul 02 (Wed)	05:33	05:56	66	12:24	82N	18:53	294	19:16
2025 Jul 03 (Thu)	05:33	05:56	66	12:25	82N	18:53	294	19:16
2025 Jul 04 (Fri)	05:33	05:57	66	12:25	82N	18:53	294	19:16
2025 Jul 05 (Sat)	05:34	05:57	66	12:25	82N	18:53	294	19:16
2025 Jul 06 (Sun)	05:34	05:57	66	12:25	82N	18:53	294	19:16
2025 Jul 07 (Mon)	05:34	05:58	66	12:25	82N	18:53	293	19:16
2025 Jul 08 (Tue)	05:34	05:58	67	12:25	82N	18:53	293	19:16
2025 Jul 09 (Wed)	05:35	05:58	67	12:26	82N	18:53	293	19:16
2025 Jul 10 (Thu)	05:35	05:58	67	12:26	83N	18:53	293	19:16
2025 Jul 11 (Fri)	05:35	05:59	67	12:26	83N	18:53	293	19:16
2025 Jul 12 (Sat)	05:36	05:59	67	12:26	83N	18:53	293	19:16
2025 Jul 13 (Sun)	05:36	05:59	67	12:26	83N	18:53	293	19:16
2025 Jul 14 (Mon)	05:36	06:00	67	12:26	83N	18:53	293	19:16
2025 Jul 15 (Tue)	05:37	06:00	68	12:26	83N	18:53	292	19:16
2025 Jul 16 (Wed)	05:37	06:00	68	12:26	83N	18:53	292	19:16
2025 Jul 17 (Thu)	05:37	06:00	68	12:27	84N	18:52	292	19:16
2025 Jul 18 (Fri)	05:38	06:01	68	12:27	84N	18:52	292	19:15
2025 Jul 19 (Sat)	05:38	06:01	68	12:27	84N	18:52	292	19:15
2025 Jul 20 (Sun)	05:38	06:01	68	12:27	84N	18:52	291	19:15
2025 Jul 21 (Mon)	05:39	06:02	69	12:27	84N	18:52	291	19:15
2025 Jul 22 (Tue)	05:39	06:02	69	12:27	85N	18:52	291	19:15
2025 Jul 23 (Wed)	05:39	06:02	69	12:27	85N	18:51	291	19:14
2025 Jul 24 (Thu)	05:40	06:02	69	12:27	85N	18:51	291	19:14
2025 Jul 25 (Fri)	05:40	06:03	69	12:27	85N	18:51	290	19:14
2025 Jul 26 (Sat)	05:40	06:03	70	12:27	85N	18:51	290	19:14
2025 Jul 27 (Sun)	05:40	06:03	70	12:27	86N	18:50	290	19:13
2025 Jul 28 (Mon)	05:41	06:03	70	12:27	86N	18:50	290	19:13
2025 Jul 29 (Tue)	05:41	06:04	70	12:27	86N	18:50	289	19:13
2025 Jul 30 (Wed)	05:41	06:04	71	12:27	86N	18:50	289	19:12
2025 Jul 31 (Thu)	05:42	06:04	71	12:27	87N	18:49	289	19:12
2025 Aug 01 (Fri)	05:42	06:04	71	12:27	87N	18:49	289	19:11

2025	Aug	02	(Sat)	05:42	06:05	71	12:27	87N	18:49	288	19:11
2025	Aug	03	(Sun)	05:42	06:05	72	12:27	87N	18:48	288	19:11
2025	Aug	04	(Mon)	05:43	06:05	72	12:26	88N	18:48	288	19:10
2025	Aug	05	(Tue)	05:43	06:05	72	12:26	88N	18:47	288	19:10
2025	Aug	06	(Wed)	05:43	06:05	73	12:26	88N	18:47	287	19:09
2025	Aug	07	(Thu)	05:43	06:06	73	12:26	88N	18:46	287	19:09
2025	Aug	08	(Fri)	05:43	06:06	73	12:26	89N	18:46	287	19:08
2025	Aug	09	(Sat)	05:44	06:06	73	12:26	89N	18:46	286	19:08
2025	Aug	10	(Sun)	05:44	06:06	74	12:26	89N	18:45	286	19:07
2025	Aug	11	(Mon)	05:44	06:06	74	12:26	90N	18:45	286	19:07
2025	Aug	12	(Tue)	05:44	06:07	74	12:25	90N	18:44	285	19:06
2025	Aug	13	(Wed)	05:44	06:07	75	12:25	90N	18:44	285	19:06
2025	Aug	14	(Thu)	05:45	06:07	75	12:25	91N	18:43	285	19:05
2025	Aug	15	(Fri)	05:45	06:07	75	12:25	91S	18:43	285	19:05
2025	Aug	16	(Sat)	05:45	06:07	76	12:25	90S	18:42	284	19:04
2025	Aug	17	(Sun)	05:45	06:07	76	12:24	90S	18:41	284	19:03
2025	Aug	18	(Mon)	05:45	06:07	76	12:24	90S	18:41	284	19:03
2025	Aug	19	(Tue)	05:46	06:07	77	12:24	89S	18:40	283	19:02
2025	Aug	20	(Wed)	05:46	06:08	77	12:24	89S	18:40	283	19:02
2025	Aug	21	(Thu)	05:46	06:08	77	12:24	89S	18:39	283	19:01
2025	Aug	22	(Fri)	05:46	06:08	78	12:23	88S	18:39	282	19:00
2025	Aug	23	(Sat)	05:46	06:08	78	12:23	88S	18:38	282	19:00
2025	Aug	24	(Sun)	05:46	06:08	78	12:23	88S	18:37	281	18:59
2025	Aug	25	(Mon)	05:46	06:08	79	12:22	87S	18:37	281	18:58
2025	Aug	26	(Tue)	05:46	06:08	79	12:22	87S	18:36	281	18:58
2025	Aug	27	(Wed)	05:47	06:08	79	12:22	87S	18:35	280	18:57
2025	Aug	28	(Thu)	05:47	06:08	80	12:22	86S	18:35	280	18:56
2025	Aug	29	(Fri)	05:47	06:08	80	12:21	86S	18:34	280	18:56
2025	Aug	30	(Sat)	05:47	06:09	81	12:21	86S	18:33	279	18:55
2025	Aug	31	(Sun)	05:47	06:09	81	12:21	85S	18:33	279	18:54
2025	Sep	01	(Mon)	05:47	06:09	81	12:20	85S	18:32	279	18:54
2025	Sep	02	(Tue)	05:47	06:09	82	12:20	84S	18:31	278	18:53
2025	Sep	03	(Wed)	05:47	06:09	82	12:20	84S	18:31	278	18:52
2025	Sep	04	(Thu)	05:47	06:09	82	12:19	84S	18:30	277	18:51
2025	Sep	05	(Fri)	05:47	06:09	83	12:19	83S	18:29	277	18:51
2025	Sep	06	(Sat)	05:47	06:09	83	12:19	83S	18:28	277	18:50
2025	Sep	07	(Sun)	05:47	06:09	84	12:18	83S	18:28	276	18:49
2025	Sep	08	(Mon)	05:47	06:09	84	12:18	82S	18:27	276	18:48
2025	Sep	09	(Tue)	05:48	06:09	84	12:18	82S	18:26	275	18:48
2025	Sep	10	(Wed)	05:48	06:09	85	12:17	81S	18:25	275	18:47
2025	Sep	11	(Thu)	05:48	06:09	85	12:17	81S	18:25	275	18:46
2025	Sep	12	(Fri)	05:48	06:09	85	12:17	81S	18:24	274	18:45
2025	Sep	13	(Sat)	05:48	06:09	86	12:16	80S	18:23	274	18:45
2025	Sep	14	(Sun)	05:48	06:09	86	12:16	80S	18:22	274	18:44
2025	Sep	15	(Mon)	05:48	06:09	87	12:16	80S	18:22	273	18:43
2025	Sep	16	(Tue)	05:48	06:09	87	12:15	79S	18:21	273	18:42
2025	Sep	17	(Wed)	05:48	06:09	87	12:15	79S	18:20	272	18:42
2025	Sep	18	(Thu)	05:48	06:09	88	12:14	78S	18:19	272	18:41
2025	Sep	19	(Fri)	05:48	06:09	88	12:14	78S	18:19	272	18:40
2025	Sep	20	(Sat)	05:48	06:09	89	12:14	78S	18:18	271	18:39
2025	Sep	21	(Sun)	05:48	06:09	89	12:13	77S	18:17	271	18:39
2025	Sep	22	(Mon)	05:48	06:09	89	12:13	77S	18:17	270	18:38
2025	Sep	23	(Tue)	05:48	06:09	90	12:13	76S	18:16	270	18:37
2025	Sep	24	(Wed)	05:48	06:10	90	12:12	76S	18:15	270	18:36
2025	Sep	25	(Thu)	05:48	06:10	91	12:12	76S	18:14	269	18:36
2025	Sep	26	(Fri)	05:48	06:10	91	12:12	75S	18:14	269	18:35
2025	Sep	27	(Sat)	05:48	06:10	91	12:11	75S	18:13	268	18:34
2025	Sep	28	(Sun)	05:48	06:10	92	12:11	74S	18:12	268	18:33
2025	Sep	29	(Mon)	05:48	06:10	92	12:11	74S	18:11	268	18:33
2025	Sep	30	(Tue)	05:48	06:10	93	12:10	74S	18:11	267	18:32
2025	Oct	01	(Wed)	05:49	06:10	93	12:10	73S	18:10	267	18:31
2025	Oct	02	(Thu)	05:49	06:10	93	12:10	73S	18:09	266	18:31
2025	Oct	03	(Fri)	05:49	06:10	94	12:09	73S	18:09	266	18:30
2025	Oct	04	(Sat)	05:49	06:10	94	12:09	72S	18:08	266	18:29
2025	Oct	05	(Sun)	05:49	06:10	95	12:09	72S	18:07	265	18:29
2025	Oct	06	(Mon)	05:49	06:10	95	12:08	71S	18:06	265	18:28
2025	Oct	07	(Tue)	05:49	06:10	95	12:08	71S	18:06	264	18:27

2025	Oct	08	(Wed)	05:49	06:10	96	12:08	71S	18:05	264	18:27
2025	Oct	09	(Thu)	05:49	06:11	96	12:08	70S	18:04	264	18:26
2025	Oct	10	(Fri)	05:49	06:11	97	12:07	70S	18:04	263	18:25
2025	Oct	11	(Sat)	05:49	06:11	97	12:07	69S	18:03	263	18:25
2025	Oct	12	(Sun)	05:49	06:11	97	12:07	69S	18:03	262	18:24
2025	Oct	13	(Mon)	05:50	06:11	98	12:07	69S	18:02	262	18:23
2025	Oct	14	(Tue)	05:50	06:11	98	12:06	68S	18:01	262	18:23
2025	Oct	15	(Wed)	05:50	06:11	99	12:06	68S	18:01	261	18:22
2025	Oct	16	(Thu)	05:50	06:11	99	12:06	68S	18:00	261	18:22
2025	Oct	17	(Fri)	05:50	06:12	99	12:06	67S	18:00	260	18:21
2025	Oct	18	(Sat)	05:50	06:12	100	12:06	67S	17:59	260	18:21
2025	Oct	19	(Sun)	05:50	06:12	100	12:05	67S	17:58	260	18:20
2025	Oct	20	(Mon)	05:51	06:12	100	12:05	66S	17:58	259	18:20
2025	Oct	21	(Tue)	05:51	06:12	101	12:05	66S	17:57	259	18:19
2025	Oct	22	(Wed)	05:51	06:13	101	12:05	65S	17:57	259	18:19
2025	Oct	23	(Thu)	05:51	06:13	102	12:05	65S	17:56	258	18:18
2025	Oct	24	(Fri)	05:51	06:13	102	12:05	65S	17:56	258	18:18
2025	Oct	25	(Sat)	05:52	06:13	102	12:04	64S	17:55	258	18:17
2025	Oct	26	(Sun)	05:52	06:14	103	12:04	64S	17:55	257	18:17
2025	Oct	27	(Mon)	05:52	06:14	103	12:04	64S	17:54	257	18:16
2025	Oct	28	(Tue)	05:52	06:14	103	12:04	63S	17:54	257	18:16
2025	Oct	29	(Wed)	05:52	06:14	104	12:04	63S	17:54	256	18:16
2025	Oct	30	(Thu)	05:53	06:15	104	12:04	63S	17:53	256	18:15
2025	Oct	31	(Fri)	05:53	06:15	104	12:04	62S	17:53	255	18:15
2025	Nov	01	(Sat)	05:53	06:15	105	12:04	62S	17:52	255	18:14
2025	Nov	02	(Sun)	05:54	06:16	105	12:04	62S	17:52	255	18:14
2025	Nov	03	(Mon)	05:54	06:16	105	12:04	61S	17:52	255	18:14
2025	Nov	04	(Tue)	05:54	06:16	106	12:04	61S	17:51	254	18:14
2025	Nov	05	(Wed)	05:54	06:17	106	12:04	61S	17:51	254	18:13
2025	Nov	06	(Thu)	05:55	06:17	106	12:04	61S	17:51	254	18:13
2025	Nov	07	(Fri)	05:55	06:17	107	12:04	60S	17:51	253	18:13
2025	Nov	08	(Sat)	05:55	06:18	107	12:04	60S	17:50	253	18:13
2025	Nov	09	(Sun)	05:56	06:18	107	12:04	60S	17:50	253	18:12
2025	Nov	10	(Mon)	05:56	06:18	107	12:04	59S	17:50	252	18:12
2025	Nov	11	(Tue)	05:57	06:19	108	12:04	59S	17:50	252	18:12
2025	Nov	12	(Wed)	05:57	06:19	108	12:04	59S	17:50	252	18:12
2025	Nov	13	(Thu)	05:57	06:20	108	12:05	59S	17:49	252	18:12
2025	Nov	14	(Fri)	05:58	06:20	109	12:05	58S	17:49	251	18:12
2025	Nov	15	(Sat)	05:58	06:21	109	12:05	58S	17:49	251	18:12
2025	Nov	16	(Sun)	05:58	06:21	109	12:05	58S	17:49	251	18:12
2025	Nov	17	(Mon)	05:59	06:21	109	12:05	58S	17:49	251	18:12
2025	Nov	18	(Tue)	05:59	06:22	110	12:05	57S	17:49	250	18:12
2025	Nov	19	(Wed)	06:00	06:22	110	12:06	57S	17:49	250	18:12
2025	Nov	20	(Thu)	06:00	06:23	110	12:06	57S	17:49	250	18:12
2025	Nov	21	(Fri)	06:01	06:23	110	12:06	57S	17:49	250	18:12
2025	Nov	22	(Sat)	06:01	06:24	111	12:06	56S	17:49	249	18:12
2025	Nov	23	(Sun)	06:02	06:24	111	12:07	56S	17:49	249	18:12
2025	Nov	24	(Mon)	06:02	06:25	111	12:07	56S	17:49	249	18:12
2025	Nov	25	(Tue)	06:03	06:25	111	12:07	56S	17:49	249	18:12
2025	Nov	26	(Wed)	06:03	06:26	111	12:08	56S	17:49	249	18:12
2025	Nov	27	(Thu)	06:04	06:26	112	12:08	55S	17:49	248	18:12
2025	Nov	28	(Fri)	06:04	06:27	112	12:08	55S	17:49	248	18:12
2025	Nov	29	(Sat)	06:05	06:28	112	12:09	55S	17:50	248	18:13
2025	Nov	30	(Sun)	06:05	06:28	112	12:09	55S	17:50	248	18:13
2025	Dec	01	(Mon)	06:06	06:29	112	12:09	55S	17:50	248	18:13
2025	Dec	02	(Tue)	06:06	06:29	112	12:10	55S	17:50	247	18:13
2025	Dec	03	(Wed)	06:07	06:30	113	12:10	54S	17:50	247	18:13
2025	Dec	04	(Thu)	06:07	06:30	113	12:11	54S	17:51	247	18:14
2025	Dec	05	(Fri)	06:08	06:31	113	12:11	54S	17:51	247	18:14
2025	Dec	06	(Sat)	06:08	06:31	113	12:11	54S	17:51	247	18:14
2025	Dec	07	(Sun)	06:09	06:32	113	12:12	54S	17:52	247	18:15
2025	Dec	08	(Mon)	06:09	06:32	113	12:12	54S	17:52	247	18:15
2025	Dec	09	(Tue)	06:10	06:33	113	12:13	54S	17:52	247	18:15
2025	Dec	10	(Wed)	06:10	06:34	113	12:13	54S	17:53	247	18:16
2025	Dec	11	(Thu)	06:11	06:34	114	12:14	54S	17:53	246	18:16
2025	Dec	12	(Fri)	06:12	06:35	114	12:14	54S	17:53	246	18:16
2025	Dec	13	(Sat)	06:12	06:35	114	12:14	53S	17:54	246	18:17

2025	Dec 14	(Sun)	06:13	06:36	114	12:15	53S	17:54	246	18:17
2025	Dec 15	(Mon)	06:13	06:36	114	12:15	53S	17:54	246	18:18
2025	Dec 16	(Tue)	06:14	06:37	114	12:16	53S	17:55	246	18:18
2025	Dec 17	(Wed)	06:14	06:37	114	12:16	53S	17:55	246	18:19
2025	Dec 18	(Thu)	06:15	06:38	114	12:17	53S	17:56	246	18:19
2025	Dec 19	(Fri)	06:15	06:38	114	12:17	53S	17:56	246	18:19
2025	Dec 20	(Sat)	06:16	06:39	114	12:18	53S	17:57	246	18:20
2025	Dec 21	(Sun)	06:16	06:40	114	12:18	53S	17:57	246	18:20
2025	Dec 22	(Mon)	06:17	06:40	114	12:19	53S	17:58	246	18:21
2025	Dec 23	(Tue)	06:17	06:41	114	12:19	53S	17:58	246	18:21
2025	Dec 24	(Wed)	06:18	06:41	114	12:20	53S	17:59	246	18:22
2025	Dec 25	(Thu)	06:18	06:41	114	12:20	53S	17:59	246	18:23
2025	Dec 26	(Fri)	06:19	06:42	114	12:21	53S	18:00	246	18:23
2025	Dec 27	(Sat)	06:19	06:42	114	12:21	53S	18:00	246	18:24
2025	Dec 28	(Sun)	06:20	06:43	114	12:22	53S	18:01	246	18:24
2025	Dec 29	(Mon)	06:20	06:43	114	12:22	53S	18:02	246	18:25
2025	Dec 30	(Tue)	06:20	06:44	114	12:23	53S	18:02	246	18:25
2025	Dec 31	(Wed)	06:21	06:44	114	12:23	54S	18:03	246	18:26

Moon

VTMK

Location: E 99°55'00.0", N14°06'00.0", 33m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit	Alt.	Set	Az.
	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:54	117	13:38	51S	19:25	245
2025 Jan 02 (Thu)	08:44	113	14:33	55S	20:24	250
2025 Jan 03 (Fri)	09:31	107	15:24	61S	21:21	255
2025 Jan 04 (Sat)	10:13	101	16:13	67S	22:17	262
2025 Jan 05 (Sun)	10:54	94	17:01	74S	23:11	269
2025 Jan 06 (Mon)	11:34	87	17:48	81S		
2025 Jan 07 (Tue)	12:15	80	18:36	88S	00:06	276
2025 Jan 08 (Wed)	12:58	74	19:27	88N	01:01	283
2025 Jan 09 (Thu)	13:45	68	20:21	82N	02:00	289
2025 Jan 10 (Fri)	14:37	64	21:20	78N	03:01	294
2025 Jan 11 (Sat)	15:34	61	22:20	76N	04:04	298
2025 Jan 12 (Sun)	16:35	61	23:22	76N	05:08	299
2025 Jan 13 (Mon)	17:37	62			06:08	299
2025 Jan 14 (Tue)	18:37	65	00:21	78N	07:04	296
2025 Jan 15 (Wed)	19:34	70	01:16	82N	07:53	293
2025 Jan 16 (Thu)	20:26	75	02:07	86N	08:36	288
2025 Jan 17 (Fri)	21:16	81	02:52	90S	09:15	282
2025 Jan 18 (Sat)	22:02	87	03:35	84S	09:51	276
2025 Jan 19 (Sun)	22:48	93	04:15	78S	10:24	270
2025 Jan 20 (Mon)	23:33	99	04:54	72S	10:58	264
2025 Jan 21 (Tue)			05:34	66S	11:31	258
2025 Jan 22 (Wed)	00:20	105	06:15	61S	12:07	253
2025 Jan 23 (Thu)	01:08	110	06:58	56S	12:46	248
2025 Jan 24 (Fri)	01:59	114	07:45	52S	13:29	244
2025 Jan 25 (Sat)	02:53	117	08:36	49S	14:18	242
2025 Jan 26 (Sun)	03:49	119	09:30	48S	15:11	240
2025 Jan 27 (Mon)	04:46	119	10:28	48S	16:10	241
2025 Jan 28 (Tue)	05:42	118	11:25	50S	17:10	243
2025 Jan 29 (Wed)	06:35	115	12:22	53S	18:11	248
2025 Jan 30 (Thu)	07:24	110	13:16	58S	19:11	253
2025 Jan 31 (Fri)	08:09	104	14:07	65S	20:09	260
2025 Feb 01 (Sat)	08:52	97	14:57	72S	21:05	267
2025 Feb 02 (Sun)	09:33	89	15:45	79S	22:01	274
2025 Feb 03 (Mon)	10:14	82	16:34	86S	22:57	281
2025 Feb 04 (Tue)	10:57	75	17:24	89N	23:55	288
2025 Feb 05 (Wed)	11:43	70	18:17	83N		
2025 Feb 06 (Thu)	12:32	65	19:13	79N	00:55	293

2025 Feb 07 (Fri)	13:27 62	20:13 77N	01:57 297
2025 Feb 08 (Sat)	14:26 60	21:13 76N	02:59 299
2025 Feb 09 (Sun)	15:26 61	22:12 77N	03:59 299
2025 Feb 10 (Mon)	16:26 64	23:07 80N	04:55 298
2025 Feb 11 (Tue)	17:23 68	23:58 84N	05:46 294
2025 Feb 12 (Wed)	18:17 73		06:31 290
2025 Feb 13 (Thu)	19:07 78	00:46 89N	07:11 284
2025 Feb 14 (Fri)	19:55 85	01:29 86S	07:48 278
2025 Feb 15 (Sat)	20:41 91	02:10 80S	08:22 272
2025 Feb 16 (Sun)	21:27 97	02:50 74S	08:56 266
2025 Feb 17 (Mon)	22:13 103	03:29 68S	09:29 260
2025 Feb 18 (Tue)	23:00 108	04:10 63S	10:04 255
2025 Feb 19 (Wed)	23:50 112	04:52 58S	10:41 250
2025 Feb 20 (Thu)		05:37 53S	11:22 246
2025 Feb 21 (Fri)	00:42 116	06:25 50S	12:08 243
2025 Feb 22 (Sat)	01:36 119	07:17 48S	12:58 241
2025 Feb 23 (Sun)	02:32 120	08:13 47S	13:53 240
2025 Feb 24 (Mon)	03:28 119	09:09 48S	14:52 242
2025 Feb 25 (Tue)	04:21 117	10:06 51S	15:53 245
2025 Feb 26 (Wed)	05:12 112	11:01 56S	16:53 250
2025 Feb 27 (Thu)	05:59 107	11:54 61S	17:53 256
2025 Feb 28 (Fri)	06:44 100	12:46 68S	18:51 263
2025 Mar 01 (Sat)	07:26 93	13:36 76S	19:48 271
2025 Mar 02 (Sun)	08:09 85	14:26 83S	20:46 279
2025 Mar 03 (Mon)	08:52 78	15:17 90S	21:46 286
2025 Mar 04 (Tue)	09:38 71	16:11 85N	22:47 292
2025 Mar 05 (Wed)	10:28 66	17:08 80N	23:50 296
2025 Mar 06 (Thu)	11:22 62	18:07 77N	
2025 Mar 07 (Fri)	12:20 61	19:07 76N	00:53 299
2025 Mar 08 (Sat)	13:20 61	20:06 77N	01:55 300
2025 Mar 09 (Sun)	14:20 63	21:03 79N	02:52 298
2025 Mar 10 (Mon)	15:17 66	21:54 83N	03:43 296
2025 Mar 11 (Tue)	16:11 71	22:42 88N	04:29 291
2025 Mar 12 (Wed)	17:02 76	23:26 88S	05:10 286
2025 Mar 13 (Thu)	17:50 82		05:47 281
2025 Mar 14 (Fri)	18:36 88	00:08 83S	06:22 275
2025 Mar 15 (Sat)	19:22 95	00:47 76S	06:55 269
2025 Mar 16 (Sun)	20:08 100	01:27 70S	07:29 263
2025 Mar 17 (Mon)	20:54 106	02:07 65S	08:03 257
2025 Mar 18 (Tue)	21:43 111	02:48 59S	08:39 252
2025 Mar 19 (Wed)	22:34 115	03:32 55S	09:19 247
2025 Mar 20 (Thu)	23:27 118	04:19 51S	10:02 244
2025 Mar 21 (Fri)		05:09 49S	10:50 241
2025 Mar 22 (Sat)	00:21 120	06:02 47S	11:42 240
2025 Mar 23 (Sun)	01:16 120	06:56 48S	12:38 241
2025 Mar 24 (Mon)	02:09 118	07:52 50S	13:36 243
2025 Mar 25 (Tue)	03:00 115	08:46 53S	14:35 247
2025 Mar 26 (Wed)	03:48 110	09:39 58S	15:34 253
2025 Mar 27 (Thu)	04:33 104	10:31 65S	16:32 260
2025 Mar 28 (Fri)	05:16 97	11:21 72S	17:30 267
2025 Mar 29 (Sat)	05:59 89	12:11 79S	18:28 275
2025 Mar 30 (Sun)	06:42 81	13:03 87S	19:29 282
2025 Mar 31 (Mon)	07:28 74	13:58 88N	20:31 289
2025 Apr 01 (Tue)	08:18 68	14:55 82N	21:36 294
2025 Apr 02 (Wed)	09:13 64	15:56 78N	22:42 298
2025 Apr 03 (Thu)	10:11 61	16:58 76N	23:46 300
2025 Apr 04 (Fri)	11:13 60	18:00 76N	
2025 Apr 05 (Sat)	12:14 62	18:58 78N	00:46 299
2025 Apr 06 (Sun)	13:12 65	19:52 81N	01:40 297
2025 Apr 07 (Mon)	14:07 69	20:40 86N	02:28 293
2025 Apr 08 (Tue)	14:59 75	21:25 90S	03:10 288
2025 Apr 09 (Wed)	15:47 80	22:07 84S	03:48 283
2025 Apr 10 (Thu)	16:34 86	22:47 78S	04:23 277
2025 Apr 11 (Fri)	17:19 92	23:26 72S	04:57 271
2025 Apr 12 (Sat)	18:05 98		05:30 265
2025 Apr 13 (Sun)	18:51 104	00:06 67S	06:04 259
2025 Apr 14 (Mon)	19:39 109	00:46 61S	06:39 253

2025 Apr 15 (Tue)	20:29 114	01:29 56S	07:18 249
2025 Apr 16 (Wed)	21:21 117	02:15 52S	07:59 245
2025 Apr 17 (Thu)	22:15 119	03:04 49S	08:46 242
2025 Apr 18 (Fri)	23:09 120	03:56 48S	09:36 241
2025 Apr 19 (Sat)		04:49 47S	10:30 241
2025 Apr 20 (Sun)	00:02 119	05:43 49S	11:26 242
2025 Apr 21 (Mon)	00:52 116	06:36 52S	12:23 246
2025 Apr 22 (Tue)	01:39 112	07:28 56S	13:20 250
2025 Apr 23 (Wed)	02:24 107	08:19 62S	14:16 256
2025 Apr 24 (Thu)	03:06 100	09:08 68S	15:12 263
2025 Apr 25 (Fri)	03:48 93	09:57 75S	16:09 271
2025 Apr 26 (Sat)	04:30 85	10:47 83S	17:08 278
2025 Apr 27 (Sun)	05:15 78	11:40 90S	18:09 286
2025 Apr 28 (Mon)	06:03 71	12:37 85N	19:14 292
2025 Apr 29 (Tue)	06:57 66	13:38 80N	20:21 296
2025 Apr 30 (Wed)	07:55 62	14:41 77N	21:29 299
2025 May 01 (Thu)	08:58 61	15:46 76N	22:34 299
2025 May 02 (Fri)	10:02 61	16:48 77N	23:32 298
2025 May 03 (Sat)	11:03 64	17:45 80N	
2025 May 04 (Sun)	12:01 68	18:37 84N	00:24 294
2025 May 05 (Mon)	12:55 73	19:23 90N	01:09 290
2025 May 06 (Tue)	13:45 79	20:06 86S	01:48 284
2025 May 07 (Wed)	14:32 85	20:47 80S	02:25 278
2025 May 08 (Thu)	15:17 91	21:26 74S	02:59 272
2025 May 09 (Fri)	16:02 97	22:05 68S	03:32 266
2025 May 10 (Sat)	16:48 102	22:45 63S	04:05 261
2025 May 11 (Sun)	17:35 108	23:28 58S	04:40 255
2025 May 12 (Mon)	18:25 112		05:17 250
2025 May 13 (Tue)	19:17 116	00:13 54S	05:58 246
2025 May 14 (Wed)	20:10 118	01:01 50S	06:43 243
2025 May 15 (Thu)	21:04 119	01:52 48S	07:32 241
2025 May 16 (Fri)	21:57 119	02:45 47S	08:25 241
2025 May 17 (Sat)	22:48 117	03:39 48S	09:21 242
2025 May 18 (Sun)	23:36 113	04:32 51S	10:17 245
2025 May 19 (Mon)		05:23 55S	11:13 249
2025 May 20 (Tue)	00:20 108	06:12 60S	12:08 254
2025 May 21 (Wed)	01:02 103	07:00 66S	13:02 261
2025 May 22 (Thu)	01:42 96	07:47 72S	13:56 268
2025 May 23 (Fri)	02:23 89	08:35 79S	14:52 275
2025 May 24 (Sat)	03:05 81	09:25 87S	15:50 282
2025 May 25 (Sun)	03:50 75	10:19 88N	16:52 289
2025 May 26 (Mon)	04:40 68	11:17 82N	17:58 294
2025 May 27 (Tue)	05:36 64	12:20 78N	19:06 298
2025 May 28 (Wed)	06:37 61	13:25 76N	20:14 299
2025 May 29 (Thu)	07:42 61	14:30 77N	21:17 299
2025 May 30 (Fri)	08:47 63	15:32 79N	22:13 296
2025 May 31 (Sat)	09:49 66	16:27 83N	23:02 291
2025 Jun 01 (Sun)	10:46 71	17:17 88N	23:45 286
2025 Jun 02 (Mon)	11:38 77	18:03 88S	
2025 Jun 03 (Tue)	12:27 83	18:45 82S	00:23 280
2025 Jun 04 (Wed)	13:14 89	19:25 76S	00:59 274
2025 Jun 05 (Thu)	13:59 95	20:04 70S	01:32 268
2025 Jun 06 (Fri)	14:45 101	20:44 65S	02:06 262
2025 Jun 07 (Sat)	15:31 106	21:25 59S	02:40 257
2025 Jun 08 (Sun)	16:20 111	22:09 55S	03:16 252
2025 Jun 09 (Mon)	17:11 115	22:56 51S	03:56 247
2025 Jun 10 (Tue)	18:05 118	23:47 49S	04:40 244
2025 Jun 11 (Wed)	18:59 119		05:28 241
2025 Jun 12 (Thu)	19:53 119	00:40 48S	06:20 241
2025 Jun 13 (Fri)	20:45 118	01:34 48S	07:16 241
2025 Jun 14 (Sat)	21:34 114	02:28 50S	08:12 244
2025 Jun 15 (Sun)	22:19 110	03:20 53S	09:09 248
2025 Jun 16 (Mon)	23:01 104	04:10 58S	10:04 253
2025 Jun 17 (Tue)	23:41 98	04:58 64S	10:57 259
2025 Jun 18 (Wed)		05:44 70S	11:50 265
2025 Jun 19 (Thu)	00:20 91	06:30 77S	12:44 272
2025 Jun 20 (Fri)	01:00 84	07:18 84S	13:39 280

2025 Jun 21 (Sat)	01:42	77	08:08	91N	14:37	286
2025 Jun 22 (Sun)	02:29	71	09:02	85N	15:39	292
2025 Jun 23 (Mon)	03:21	66	10:01	80N	16:45	296
2025 Jun 24 (Tue)	04:19	62	11:05	77N	17:52	299
2025 Jun 25 (Wed)	05:22	61	12:10	76N	18:58	299
2025 Jun 26 (Thu)	06:27	62	13:14	78N	19:58	297
2025 Jun 27 (Fri)	07:31	64	14:13	81N	20:51	293
2025 Jun 28 (Sat)	08:32	69	15:06	85N	21:38	288
2025 Jun 29 (Sun)	09:28	74	15:55	90S	22:19	283
2025 Jun 30 (Mon)	10:19	80	16:39	84S	22:56	277
2025 Jul 01 (Tue)	11:07	86	17:21	78S	23:31	270
2025 Jul 02 (Wed)	11:54	93	18:01	72S		
2025 Jul 03 (Thu)	12:40	99	18:41	67S	00:04	264
2025 Jul 04 (Fri)	13:26	104	19:22	61S	00:39	259
2025 Jul 05 (Sat)	14:14	109	20:05	56S	01:14	253
2025 Jul 06 (Sun)	15:04	114	20:51	52S	01:53	249
2025 Jul 07 (Mon)	15:57	117	21:40	49S	02:35	245
2025 Jul 08 (Tue)	16:51	119	22:32	48S	03:22	242
2025 Jul 09 (Wed)	17:46	119	23:27	48S	04:13	241
2025 Jul 10 (Thu)	18:39	118			05:08	241
2025 Jul 11 (Fri)	19:30	115	00:21	49S	06:05	243
2025 Jul 12 (Sat)	20:17	111	01:15	52S	07:02	246
2025 Jul 13 (Sun)	21:00	106	02:06	57S	07:59	251
2025 Jul 14 (Mon)	21:41	100	02:55	62S	08:53	257
2025 Jul 15 (Tue)	22:21	93	03:42	68S	09:47	264
2025 Jul 16 (Wed)	23:00	86	04:29	75S	10:40	271
2025 Jul 17 (Thu)	23:41	79	05:15	82S	11:34	278
2025 Jul 18 (Fri)			06:04	89S	12:30	284
2025 Jul 19 (Sat)	00:24	73	06:55	86N	13:29	290
2025 Jul 20 (Sun)	01:13	67	07:51	81N	14:32	295
2025 Jul 21 (Mon)	02:07	63	08:51	78N	15:37	298
2025 Jul 22 (Tue)	03:07	61	09:54	76N	16:42	299
2025 Jul 23 (Wed)	04:10	61	10:57	77N	17:43	298
2025 Jul 24 (Thu)	05:14	63	11:58	79N	18:39	295
2025 Jul 25 (Fri)	06:16	67	12:54	83N	19:29	291
2025 Jul 26 (Sat)	07:14	72	13:45	88N	20:12	285
2025 Jul 27 (Sun)	08:08	78	14:31	87S	20:51	279
2025 Jul 28 (Mon)	08:58	84	15:14	81S	21:27	273
2025 Jul 29 (Tue)	09:46	90	15:56	75S	22:02	267
2025 Jul 30 (Wed)	10:33	96	16:36	69S	22:36	261
2025 Jul 31 (Thu)	11:19	102	17:17	63S	23:11	255
2025 Aug 01 (Fri)	12:07	108	17:59	58S	23:49	250
2025 Aug 02 (Sat)	12:56	112	18:44	54S		
2025 Aug 03 (Sun)	13:48	116	19:32	50S	00:29	246
2025 Aug 04 (Mon)	14:41	118	20:23	48S	01:14	243
2025 Aug 05 (Tue)	15:36	120	21:16	47S	02:03	241
2025 Aug 06 (Wed)	16:30	119	22:11	48S	02:57	241
2025 Aug 07 (Thu)	17:22	117	23:06	51S	03:53	242
2025 Aug 08 (Fri)	18:11	113	23:59	55S	04:51	245
2025 Aug 09 (Sat)	18:56	108			05:49	249
2025 Aug 10 (Sun)	19:39	102	00:49	60S	06:45	255
2025 Aug 11 (Mon)	20:19	95	01:38	66S	07:41	261
2025 Aug 12 (Tue)	20:59	88	02:25	73S	08:35	268
2025 Aug 13 (Wed)	21:40	81	03:13	80S	09:30	276
2025 Aug 14 (Thu)	22:23	74	04:01	87S	10:26	283
2025 Aug 15 (Fri)	23:10	69	04:52	88N	11:24	289
2025 Aug 16 (Sat)			05:46	83N	12:25	294
2025 Aug 17 (Sun)	00:02	64	06:44	79N	13:29	298
2025 Aug 18 (Mon)	00:59	61	07:45	76N	14:33	299
2025 Aug 19 (Tue)	02:00	60	08:47	76N	15:34	299
2025 Aug 20 (Wed)	03:03	62	09:48	78N	16:31	297
2025 Aug 21 (Thu)	04:04	65	10:44	81N	17:21	293
2025 Aug 22 (Fri)	05:03	69	11:36	86N	18:07	288
2025 Aug 23 (Sat)	05:58	75	12:24	90S	18:47	282
2025 Aug 24 (Sun)	06:49	81	13:08	83S	19:24	276
2025 Aug 25 (Mon)	07:38	88	13:50	77S	19:59	269
2025 Aug 26 (Tue)	08:25	94	14:31	71S	20:34	263

2025 Aug 27 (Wed)	09:12 100	15:12 65S	21:09 257
2025 Aug 28 (Thu)	09:59 106	15:54 60S	21:45 252
2025 Aug 29 (Fri)	10:48 111	16:37 55S	22:24 247
2025 Aug 30 (Sat)	11:39 115	17:24 51S	23:07 244
2025 Aug 31 (Sun)	12:31 118	18:13 49S	23:54 241
2025 Sep 01 (Mon)	13:25 119	19:05 47S	
2025 Sep 02 (Tue)	14:18 120	19:59 48S	00:45 240
2025 Sep 03 (Wed)	15:11 118	20:53 49S	01:40 241
2025 Sep 04 (Thu)	16:01 115	21:47 53S	02:37 243
2025 Sep 05 (Fri)	16:48 111	22:38 57S	03:34 247
2025 Sep 06 (Sat)	17:32 105	23:28 63S	04:32 252
2025 Sep 07 (Sun)	18:14 98		05:28 258
2025 Sep 08 (Mon)	18:55 91	00:17 70S	06:24 265
2025 Sep 09 (Tue)	19:36 84	01:05 77S	07:20 273
2025 Sep 10 (Wed)	20:20 77	01:55 84S	08:17 280
2025 Sep 11 (Thu)	21:06 70	02:46 90N	09:16 287
2025 Sep 12 (Fri)	21:58 65	03:40 84N	10:18 293
2025 Sep 13 (Sat)	22:54 62	04:38 80N	11:22 297
2025 Sep 14 (Sun)	23:54 60	05:39 77N	12:26 299
2025 Sep 15 (Mon)		06:41 76N	13:29 299
2025 Sep 16 (Tue)	00:56 61	07:42 77N	14:26 298
2025 Sep 17 (Wed)	01:57 64	08:39 80N	15:18 294
2025 Sep 18 (Thu)	02:56 68	09:32 84N	16:04 290
2025 Sep 19 (Fri)	03:51 73	10:20 90N	16:45 284
2025 Sep 20 (Sat)	04:43 79	11:04 86S	17:23 278
2025 Sep 21 (Sun)	05:32 85	11:47 80S	17:58 272
2025 Sep 22 (Mon)	06:19 91	12:27 73S	18:33 265
2025 Sep 23 (Tue)	07:06 98	13:08 67S	19:07 259
2025 Sep 24 (Wed)	07:53 103	13:49 62S	19:43 254
2025 Sep 25 (Thu)	08:41 109	14:32 57S	20:21 249
2025 Sep 26 (Fri)	09:31 113	15:18 53S	21:02 245
2025 Sep 27 (Sat)	10:23 117	16:06 50S	21:47 242
2025 Sep 28 (Sun)	11:15 119	16:56 48S	22:36 241
2025 Sep 29 (Mon)	12:08 120	17:49 47S	23:29 241
2025 Sep 30 (Tue)	13:01 119	18:42 48S	
2025 Oct 01 (Wed)	13:51 117	19:34 51S	00:24 242
2025 Oct 02 (Thu)	14:38 113	20:26 55S	01:20 245
2025 Oct 03 (Fri)	15:22 108	21:16 60S	02:16 249
2025 Oct 04 (Sat)	16:05 102	22:04 67S	03:12 255
2025 Oct 05 (Sun)	16:46 95	22:53 74S	04:07 262
2025 Oct 06 (Mon)	17:28 87	23:42 81S	05:03 269
2025 Oct 07 (Tue)	18:11 80		06:00 276
2025 Oct 08 (Wed)	18:57 73	00:33 88S	07:00 284
2025 Oct 09 (Thu)	19:48 67	01:28 87N	08:03 290
2025 Oct 10 (Fri)	20:44 63	02:27 81N	09:09 295
2025 Oct 11 (Sat)	21:45 61	03:29 78N	10:16 298
2025 Oct 12 (Sun)	22:49 61	04:33 76N	11:21 299
2025 Oct 13 (Mon)	23:51 63	05:36 77N	12:21 298
2025 Oct 14 (Tue)		06:35 79N	13:16 295
2025 Oct 15 (Wed)	00:51 66	07:29 83N	14:03 291
2025 Oct 16 (Thu)	01:47 71	08:18 88N	14:45 286
2025 Oct 17 (Fri)	02:39 77	09:03 88S	15:24 280
2025 Oct 18 (Sat)	03:29 83	09:45 82S	15:59 274
2025 Oct 19 (Sun)	04:16 89	10:26 76S	16:33 268
2025 Oct 20 (Mon)	05:02 96	11:06 70S	17:08 262
2025 Oct 21 (Tue)	05:49 101	11:47 64S	17:43 256
2025 Oct 22 (Wed)	06:36 107	12:29 59S	18:20 251
2025 Oct 23 (Thu)	07:26 112	13:14 54S	19:00 247
2025 Oct 24 (Fri)	08:17 115	14:01 51S	19:44 243
2025 Oct 25 (Sat)	09:09 118	14:51 48S	20:31 241
2025 Oct 26 (Sun)	10:02 119	15:42 48S	21:22 241
2025 Oct 27 (Mon)	10:54 119	16:34 48S	22:15 241
2025 Oct 28 (Tue)	11:43 118	17:26 50S	23:10 244
2025 Oct 29 (Wed)	12:30 114	18:16 53S	
2025 Oct 30 (Thu)	13:15 110	19:05 58S	00:04 248
2025 Oct 31 (Fri)	13:56 105	19:53 64S	00:59 252
2025 Nov 01 (Sat)	14:37 98	20:40 70S	01:52 258

2025 Nov 02 (Sun)	15:17 91	21:28 77S	02:46 265
2025 Nov 03 (Mon)	15:59 84	22:17 84S	03:42 273
2025 Nov 04 (Tue)	16:43 77	23:10 90N	04:39 280
2025 Nov 05 (Wed)	17:33 70		05:41 287
2025 Nov 06 (Thu)	18:28 65	00:08 84N	06:46 293
2025 Nov 07 (Fri)	19:29 62	01:10 79N	07:55 297
2025 Nov 08 (Sat)	20:34 61	02:16 77N	09:04 299
2025 Nov 09 (Sun)	21:39 62	03:22 76N	10:09 299
2025 Nov 10 (Mon)	22:43 65	04:25 78N	11:08 296
2025 Nov 11 (Tue)	23:42 70	05:23 82N	11:59 292
2025 Nov 12 (Wed)		06:15 87N	12:44 287
2025 Nov 13 (Thu)	00:36 75	07:02 89S	13:24 282
2025 Nov 14 (Fri)	01:26 81	07:45 83S	14:00 276
2025 Nov 15 (Sat)	02:14 88	08:26 77S	14:35 269
2025 Nov 16 (Sun)	03:00 94	09:06 71S	15:09 263
2025 Nov 17 (Mon)	03:46 100	09:46 66S	15:44 258
2025 Nov 18 (Tue)	04:33 105	10:28 60S	16:20 252
2025 Nov 19 (Wed)	05:22 110	11:12 56S	16:59 248
2025 Nov 20 (Thu)	06:12 114	11:58 52S	17:42 244
2025 Nov 21 (Fri)	07:04 117	12:47 49S	18:28 242
2025 Nov 22 (Sat)	07:57 119	13:38 48S	19:18 241
2025 Nov 23 (Sun)	08:49 119	14:30 48S	20:11 241
2025 Nov 24 (Mon)	09:40 118	15:21 49S	21:04 243
2025 Nov 25 (Tue)	10:27 115	16:12 52S	21:58 246
2025 Nov 26 (Wed)	11:11 111	17:00 56S	22:51 251
2025 Nov 27 (Thu)	11:53 106	17:47 62S	23:44 256
2025 Nov 28 (Fri)	12:32 101	18:32 68S	
2025 Nov 29 (Sat)	13:11 94	19:18 74S	00:35 263
2025 Nov 30 (Sun)	13:50 87	20:04 81S	01:28 269
2025 Dec 01 (Mon)	14:32 80	20:54 88S	02:22 276
2025 Dec 02 (Tue)	15:17 73	21:47 87N	03:20 283
2025 Dec 03 (Wed)	16:08 68	22:47 82N	04:22 290
2025 Dec 04 (Thu)	17:06 63	23:51 78N	05:28 295
2025 Dec 05 (Fri)	18:10 61		06:38 298
2025 Dec 06 (Sat)	19:18 61	00:59 76N	07:47 299
2025 Dec 07 (Sun)	20:25 64	02:05 77N	08:51 298
2025 Dec 08 (Mon)	21:28 68	03:08 80N	09:48 294
2025 Dec 09 (Tue)	22:26 73	04:05 85N	10:38 289
2025 Dec 10 (Wed)	23:20 79	04:55 90N	11:21 284
2025 Dec 11 (Thu)		05:41 85S	11:59 277
2025 Dec 12 (Fri)	00:09 86	06:24 79S	12:35 271
2025 Dec 13 (Sat)	00:57 92	07:05 73S	13:09 265
2025 Dec 14 (Sun)	01:43 98	07:45 67S	13:44 259
2025 Dec 15 (Mon)	02:30 104	08:26 62S	14:20 254
2025 Dec 16 (Tue)	03:18 109	09:09 57S	14:58 249
2025 Dec 17 (Wed)	04:08 113	09:55 53S	15:39 245
2025 Dec 18 (Thu)	04:59 116	10:43 50S	16:25 242
2025 Dec 19 (Fri)	05:52 119	11:33 48S	17:14 241
2025 Dec 20 (Sat)	06:45 119	12:25 48S	18:06 241
2025 Dec 21 (Sun)	07:36 118	13:18 49S	19:00 242
2025 Dec 22 (Mon)	08:25 116	14:09 51S	19:54 245
2025 Dec 23 (Tue)	09:10 113	14:58 55S	20:48 250
2025 Dec 24 (Wed)	09:52 108	15:45 60S	21:40 255
2025 Dec 25 (Thu)	10:32 102	16:30 66S	22:31 261
2025 Dec 26 (Fri)	11:10 96	17:14 72S	23:22 267
2025 Dec 27 (Sat)	11:48 89	17:59 79S	
2025 Dec 28 (Sun)	12:27 83	18:45 85S	00:14 274
2025 Dec 29 (Mon)	13:08 76	19:35 90N	01:08 281
2025 Dec 30 (Tue)	13:55 70	20:29 84N	02:05 287
2025 Dec 31 (Wed)	14:48 65	21:29 79N	03:07 293