

Sun

VTEN

Location: E102°05'00.0", N14°56'00.0", 729m
(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)	05:47	06:37 114		12:15 53S	17:53 246		18:43
2025 Jan 02 (Thu)	05:48	06:38 114		12:16 53S	17:54 247		18:44
2025 Jan 03 (Fri)	05:48	06:38 113		12:16 53S	17:54 247		18:44
2025 Jan 04 (Sat)	05:49	06:38 113		12:17 53S	17:55 247		18:45
2025 Jan 05 (Sun)	05:49	06:39 113		12:17 53S	17:55 247		18:45
2025 Jan 06 (Mon)	05:49	06:39 113		12:18 53S	17:56 247		18:46
2025 Jan 07 (Tue)	05:50	06:39 113		12:18 53S	17:57 247		18:46
2025 Jan 08 (Wed)	05:50	06:40 113		12:18 54S	17:57 247		18:47
2025 Jan 09 (Thu)	05:50	06:40 113		12:19 54S	17:58 247		18:47
2025 Jan 10 (Fri)	05:50	06:40 113		12:19 54S	17:58 248		18:48
2025 Jan 11 (Sat)	05:51	06:40 112		12:20 54S	17:59 248		18:48
2025 Jan 12 (Sun)	05:51	06:40 112		12:20 54S	18:00 248		18:49
2025 Jan 13 (Mon)	05:51	06:41 112		12:20 54S	18:00 248		18:50
2025 Jan 14 (Tue)	05:51	06:41 112		12:21 55S	18:01 248		18:50
2025 Jan 15 (Wed)	05:52	06:41 112		12:21 55S	18:01 248		18:51
2025 Jan 16 (Thu)	05:52	06:41 111		12:21 55S	18:02 249		18:51
2025 Jan 17 (Fri)	05:52	06:41 111		12:22 55S	18:02 249		18:52
2025 Jan 18 (Sat)	05:52	06:41 111		12:22 55S	18:03 249		18:52
2025 Jan 19 (Sun)	05:52	06:41 111		12:22 55S	18:04 249		18:53
2025 Jan 20 (Mon)	05:52	06:41 111		12:23 56S	18:04 249		18:53
2025 Jan 21 (Tue)	05:52	06:41 110		12:23 56S	18:05 250		18:54
2025 Jan 22 (Wed)	05:53	06:41 110		12:23 56S	18:05 250		18:54
2025 Jan 23 (Thu)	05:53	06:41 110		12:23 56S	18:06 250		18:54
2025 Jan 24 (Fri)	05:53	06:41 110		12:24 57S	18:06 250		18:55
2025 Jan 25 (Sat)	05:53	06:41 109		12:24 57S	18:07 251		18:55
2025 Jan 26 (Sun)	05:53	06:41 109		12:24 57S	18:07 251		18:56
2025 Jan 27 (Mon)	05:53	06:41 109		12:24 57S	18:08 251		18:56
2025 Jan 28 (Tue)	05:53	06:41 109		12:25 58S	18:08 252		18:57
2025 Jan 29 (Wed)	05:53	06:41 108		12:25 58S	18:09 252		18:57
2025 Jan 30 (Thu)	05:52	06:41 108		12:25 58S	18:09 252		18:57
2025 Jan 31 (Fri)	05:52	06:41 108		12:25 58S	18:10 252		18:58
2025 Feb 01 (Sat)	05:52	06:40 107		12:25 59S	18:10 253		18:58
2025 Feb 02 (Sun)	05:52	06:40 107		12:25 59S	18:11 253		18:59
2025 Feb 03 (Mon)	05:52	06:40 107		12:25 59S	18:11 253		18:59
2025 Feb 04 (Tue)	05:52	06:40 107		12:26 60S	18:12 254		18:59
2025 Feb 05 (Wed)	05:52	06:39 106		12:26 60S	18:12 254		19:00
2025 Feb 06 (Thu)	05:51	06:39 106		12:26 60S	18:12 254		19:00
2025 Feb 07 (Fri)	05:51	06:39 106		12:26 61S	18:13 255		19:00
2025 Feb 08 (Sat)	05:51	06:39 105		12:26 61S	18:13 255		19:01
2025 Feb 09 (Sun)	05:51	06:38 105		12:26 61S	18:14 255		19:01
2025 Feb 10 (Mon)	05:50	06:38 105		12:26 62S	18:14 256		19:01
2025 Feb 11 (Tue)	05:50	06:38 104		12:26 62S	18:14 256		19:02
2025 Feb 12 (Wed)	05:50	06:37 104		12:26 62S	18:15 256		19:02
2025 Feb 13 (Thu)	05:50	06:37 104		12:26 63S	18:15 257		19:02
2025 Feb 14 (Fri)	05:49	06:36 103		12:26 63S	18:15 257		19:03
2025 Feb 15 (Sat)	05:49	06:36 103		12:26 63S	18:16 257		19:03
2025 Feb 16 (Sun)	05:48	06:36 103		12:26 64S	18:16 258		19:03
2025 Feb 17 (Mon)	05:48	06:35 102		12:26 64S	18:16 258		19:03
2025 Feb 18 (Tue)	05:48	06:35 102		12:26 64S	18:17 258		19:04
2025 Feb 19 (Wed)	05:47	06:34 101		12:25 65S	18:17 259		19:04
2025 Feb 20 (Thu)	05:47	06:34 101		12:25 65S	18:17 259		19:04
2025 Feb 21 (Fri)	05:46	06:33 101		12:25 65S	18:18 259		19:04
2025 Feb 22 (Sat)	05:46	06:33 100		12:25 66S	18:18 260		19:05
2025 Feb 23 (Sun)	05:45	06:32 100		12:25 66S	18:18 260		19:05
2025 Feb 24 (Mon)	05:45	06:32 100		12:25 66S	18:18 261		19:05

2025	Feb	25	(Tue)	05:44	06:31	99	12:25	67S	18:19	261	19:05
2025	Feb	26	(Wed)	05:44	06:30	99	12:25	67S	18:19	261	19:05
2025	Feb	27	(Thu)	05:43	06:30	98	12:24	68S	18:19	262	19:06
2025	Feb	28	(Fri)	05:43	06:29	98	12:24	68S	18:19	262	19:06
2025	Mar	01	(Sat)	05:42	06:29	98	12:24	68S	18:19	263	19:06
2025	Mar	02	(Sun)	05:42	06:28	97	12:24	69S	18:20	263	19:06
2025	Mar	03	(Mon)	05:41	06:27	97	12:24	69S	18:20	263	19:06
2025	Mar	04	(Tue)	05:40	06:27	96	12:23	69S	18:20	264	19:06
2025	Mar	05	(Wed)	05:40	06:26	96	12:23	70S	18:20	264	19:07
2025	Mar	06	(Thu)	05:39	06:26	96	12:23	70S	18:20	265	19:07
2025	Mar	07	(Fri)	05:39	06:25	95	12:23	71S	18:21	265	19:07
2025	Mar	08	(Sat)	05:38	06:24	95	12:22	71S	18:21	265	19:07
2025	Mar	09	(Sun)	05:37	06:24	94	12:22	71S	18:21	266	19:07
2025	Mar	10	(Mon)	05:37	06:23	94	12:22	72S	18:21	266	19:07
2025	Mar	11	(Tue)	05:36	06:22	94	12:22	72S	18:21	267	19:08
2025	Mar	12	(Wed)	05:35	06:22	93	12:21	73S	18:21	267	19:08
2025	Mar	13	(Thu)	05:35	06:21	93	12:21	73S	18:22	267	19:08
2025	Mar	14	(Fri)	05:34	06:20	92	12:21	73S	18:22	268	19:08
2025	Mar	15	(Sat)	05:33	06:19	92	12:21	74S	18:22	268	19:08
2025	Mar	16	(Sun)	05:33	06:19	92	12:20	74S	18:22	269	19:08
2025	Mar	17	(Mon)	05:32	06:18	91	12:20	75S	18:22	269	19:08
2025	Mar	18	(Tue)	05:31	06:17	91	12:20	75S	18:22	269	19:09
2025	Mar	19	(Wed)	05:30	06:17	90	12:19	75S	18:22	270	19:09
2025	Mar	20	(Thu)	05:30	06:16	90	12:19	76S	18:23	270	19:09
2025	Mar	21	(Fri)	05:29	06:15	90	12:19	76S	18:23	271	19:09
2025	Mar	22	(Sat)	05:28	06:14	89	12:19	77S	18:23	271	19:09
2025	Mar	23	(Sun)	05:28	06:14	89	12:18	77S	18:23	271	19:09
2025	Mar	24	(Mon)	05:27	06:13	88	12:18	77S	18:23	272	19:09
2025	Mar	25	(Tue)	05:26	06:12	88	12:18	78S	18:23	272	19:09
2025	Mar	26	(Wed)	05:25	06:12	87	12:17	78S	18:23	273	19:10
2025	Mar	27	(Thu)	05:25	06:11	87	12:17	78S	18:23	273	19:10
2025	Mar	28	(Fri)	05:24	06:10	87	12:17	79S	18:23	274	19:10
2025	Mar	29	(Sat)	05:23	06:09	86	12:16	79S	18:24	274	19:10
2025	Mar	30	(Sun)	05:22	06:09	86	12:16	80S	18:24	274	19:10
2025	Mar	31	(Mon)	05:22	06:08	85	12:16	80S	18:24	275	19:10
2025	Apr	01	(Tue)	05:21	06:07	85	12:16	80S	18:24	275	19:11
2025	Apr	02	(Wed)	05:20	06:07	85	12:15	81S	18:24	276	19:11
2025	Apr	03	(Thu)	05:19	06:06	84	12:15	81S	18:24	276	19:11
2025	Apr	04	(Fri)	05:19	06:05	84	12:15	82S	18:24	276	19:11
2025	Apr	05	(Sat)	05:18	06:04	83	12:14	82S	18:24	277	19:11
2025	Apr	06	(Sun)	05:17	06:04	83	12:14	82S	18:25	277	19:11
2025	Apr	07	(Mon)	05:16	06:03	83	12:14	83S	18:25	277	19:12
2025	Apr	08	(Tue)	05:16	06:02	82	12:14	83S	18:25	278	19:12
2025	Apr	09	(Wed)	05:15	06:02	82	12:13	83S	18:25	278	19:12
2025	Apr	10	(Thu)	05:14	06:01	82	12:13	84S	18:25	279	19:12
2025	Apr	11	(Fri)	05:13	06:00	81	12:13	84S	18:25	279	19:12
2025	Apr	12	(Sat)	05:13	06:00	81	12:12	85S	18:25	279	19:13
2025	Apr	13	(Sun)	05:12	05:59	80	12:12	85S	18:26	280	19:13
2025	Apr	14	(Mon)	05:11	05:58	80	12:12	85S	18:26	280	19:13
2025	Apr	15	(Tue)	05:10	05:58	80	12:12	86S	18:26	281	19:13
2025	Apr	16	(Wed)	05:10	05:57	79	12:11	86S	18:26	281	19:13
2025	Apr	17	(Thu)	05:09	05:56	79	12:11	86S	18:26	281	19:14
2025	Apr	18	(Fri)	05:08	05:56	79	12:11	87S	18:26	282	19:14
2025	Apr	19	(Sat)	05:08	05:55	78	12:11	87S	18:27	282	19:14
2025	Apr	20	(Sun)	05:07	05:55	78	12:11	87S	18:27	282	19:14
2025	Apr	21	(Mon)	05:06	05:54	77	12:10	88S	18:27	283	19:15
2025	Apr	22	(Tue)	05:06	05:53	77	12:10	88S	18:27	283	19:15
2025	Apr	23	(Wed)	05:05	05:53	77	12:10	88S	18:27	283	19:15
2025	Apr	24	(Thu)	05:04	05:52	76	12:10	89S	18:27	284	19:15
2025	Apr	25	(Fri)	05:04	05:52	76	12:10	89S	18:28	284	19:16
2025	Apr	26	(Sat)	05:03	05:51	76	12:09	89S	18:28	284	19:16
2025	Apr	27	(Sun)	05:03	05:51	75	12:09	90S	18:28	285	19:16
2025	Apr	28	(Mon)	05:02	05:50	75	12:09	90S	18:28	285	19:17
2025	Apr	29	(Tue)	05:01	05:50	75	12:09	90S	18:28	285	19:17
2025	Apr	30	(Wed)	05:01	05:49	74	12:09	91S	18:29	286	19:17
2025	May	01	(Thu)	05:00	05:49	74	12:09	90N	18:29	286	19:18
2025	May	02	(Fri)	05:00	05:48	74	12:09	90N	18:29	286	19:18

2025	May	03	(Sat)	04:59	05:48	74	12:09	90N	18:29	287	19:18
2025	May	04	(Sun)	04:59	05:47	73	12:08	90N	18:30	287	19:19
2025	May	05	(Mon)	04:58	05:47	73	12:08	89N	18:30	287	19:19
2025	May	06	(Tue)	04:58	05:47	73	12:08	89N	18:30	288	19:19
2025	May	07	(Wed)	04:57	05:46	72	12:08	89N	18:30	288	19:20
2025	May	08	(Thu)	04:57	05:46	72	12:08	88N	18:31	288	19:20
2025	May	09	(Fri)	04:56	05:45	72	12:08	88N	18:31	288	19:20
2025	May	10	(Sat)	04:56	05:45	72	12:08	88N	18:31	289	19:21
2025	May	11	(Sun)	04:55	05:45	71	12:08	88N	18:32	289	19:21
2025	May	12	(Mon)	04:55	05:44	71	12:08	87N	18:32	289	19:21
2025	May	13	(Tue)	04:55	05:44	71	12:08	87N	18:32	289	19:22
2025	May	14	(Wed)	04:54	05:44	70	12:08	87N	18:32	290	19:22
2025	May	15	(Thu)	04:54	05:43	70	12:08	87N	18:33	290	19:23
2025	May	16	(Fri)	04:53	05:43	70	12:08	86N	18:33	290	19:23
2025	May	17	(Sat)	04:53	05:43	70	12:08	86N	18:33	290	19:23
2025	May	18	(Sun)	04:53	05:43	70	12:08	86N	18:34	291	19:24
2025	May	19	(Mon)	04:52	05:42	69	12:08	86N	18:34	291	19:24
2025	May	20	(Tue)	04:52	05:42	69	12:08	86N	18:34	291	19:24
2025	May	21	(Wed)	04:52	05:42	69	12:08	85N	18:35	291	19:25
2025	May	22	(Thu)	04:52	05:42	69	12:08	85N	18:35	291	19:25
2025	May	23	(Fri)	04:51	05:42	68	12:08	85N	18:35	292	19:26
2025	May	24	(Sat)	04:51	05:42	68	12:09	85N	18:36	292	19:26
2025	May	25	(Sun)	04:51	05:41	68	12:09	85N	18:36	292	19:26
2025	May	26	(Mon)	04:51	05:41	68	12:09	84N	18:36	292	19:27
2025	May	27	(Tue)	04:51	05:41	68	12:09	84N	18:37	292	19:27
2025	May	28	(Wed)	04:50	05:41	68	12:09	84N	18:37	293	19:28
2025	May	29	(Thu)	04:50	05:41	67	12:09	84N	18:37	293	19:28
2025	May	30	(Fri)	04:50	05:41	67	12:09	84N	18:38	293	19:28
2025	May	31	(Sat)	04:50	05:41	67	12:09	84N	18:38	293	19:29
2025	Jun	01	(Sun)	04:50	05:41	67	12:10	84N	18:38	293	19:29
2025	Jun	02	(Mon)	04:50	05:41	67	12:10	83N	18:39	293	19:30
2025	Jun	03	(Tue)	04:50	05:41	67	12:10	83N	18:39	293	19:30
2025	Jun	04	(Wed)	04:50	05:41	66	12:10	83N	18:39	294	19:30
2025	Jun	05	(Thu)	04:50	05:41	66	12:10	83N	18:39	294	19:31
2025	Jun	06	(Fri)	04:50	05:41	66	12:10	83N	18:40	294	19:31
2025	Jun	07	(Sat)	04:50	05:41	66	12:11	83N	18:40	294	19:31
2025	Jun	08	(Sun)	04:50	05:41	66	12:11	83N	18:40	294	19:32
2025	Jun	09	(Mon)	04:50	05:41	66	12:11	83N	18:41	294	19:32
2025	Jun	10	(Tue)	04:50	05:41	66	12:11	83N	18:41	294	19:32
2025	Jun	11	(Wed)	04:50	05:41	66	12:11	83N	18:41	294	19:33
2025	Jun	12	(Thu)	04:50	05:42	66	12:12	82N	18:42	294	19:33
2025	Jun	13	(Fri)	04:50	05:42	66	12:12	82N	18:42	294	19:33
2025	Jun	14	(Sat)	04:50	05:42	66	12:12	82N	18:42	294	19:34
2025	Jun	15	(Sun)	04:50	05:42	66	12:12	82N	18:42	294	19:34
2025	Jun	16	(Mon)	04:51	05:42	66	12:12	82N	18:43	294	19:34
2025	Jun	17	(Tue)	04:51	05:42	66	12:13	82N	18:43	295	19:35
2025	Jun	18	(Wed)	04:51	05:42	65	12:13	82N	18:43	295	19:35
2025	Jun	19	(Thu)	04:51	05:43	65	12:13	82N	18:43	295	19:35
2025	Jun	20	(Fri)	04:51	05:43	65	12:13	82N	18:44	295	19:35
2025	Jun	21	(Sat)	04:51	05:43	65	12:13	82N	18:44	295	19:36
2025	Jun	22	(Sun)	04:52	05:43	65	12:14	82N	18:44	295	19:36
2025	Jun	23	(Mon)	04:52	05:44	65	12:14	82N	18:44	295	19:36
2025	Jun	24	(Tue)	04:52	05:44	65	12:14	82N	18:44	295	19:36
2025	Jun	25	(Wed)	04:52	05:44	65	12:14	82N	18:45	294	19:36
2025	Jun	26	(Thu)	04:53	05:44	66	12:15	82N	18:45	294	19:36
2025	Jun	27	(Fri)	04:53	05:45	66	12:15	82N	18:45	294	19:37
2025	Jun	28	(Sat)	04:53	05:45	66	12:15	82N	18:45	294	19:37
2025	Jun	29	(Sun)	04:54	05:45	66	12:15	82N	18:45	294	19:37
2025	Jun	30	(Mon)	04:54	05:45	66	12:15	82N	18:45	294	19:37
2025	Jul	01	(Tue)	04:54	05:46	66	12:16	83N	18:45	294	19:37
2025	Jul	02	(Wed)	04:54	05:46	66	12:16	83N	18:46	294	19:37
2025	Jul	03	(Thu)	04:55	05:46	66	12:16	83N	18:46	294	19:37
2025	Jul	04	(Fri)	04:55	05:47	66	12:16	83N	18:46	294	19:37
2025	Jul	05	(Sat)	04:55	05:47	66	12:16	83N	18:46	294	19:37
2025	Jul	06	(Sun)	04:56	05:47	66	12:16	83N	18:46	294	19:37
2025	Jul	07	(Mon)	04:56	05:47	66	12:17	83N	18:46	294	19:37
2025	Jul	08	(Tue)	04:56	05:48	66	12:17	83N	18:46	293	19:37

2025	Jul	09	(Wed)	04:57	05:48	67	12:17	83N	18:46	293	19:37
2025	Jul	10	(Thu)	04:57	05:48	67	12:17	83N	18:46	293	19:37
2025	Jul	11	(Fri)	04:58	05:49	67	12:17	84N	18:46	293	19:37
2025	Jul	12	(Sat)	04:58	05:49	67	12:17	84N	18:46	293	19:37
2025	Jul	13	(Sun)	04:58	05:49	67	12:17	84N	18:46	293	19:37
2025	Jul	14	(Mon)	04:59	05:50	67	12:18	84N	18:46	293	19:36
2025	Jul	15	(Tue)	04:59	05:50	67	12:18	84N	18:45	292	19:36
2025	Jul	16	(Wed)	04:59	05:50	68	12:18	84N	18:45	292	19:36
2025	Jul	17	(Thu)	05:00	05:50	68	12:18	84N	18:45	292	19:36
2025	Jul	18	(Fri)	05:00	05:51	68	12:18	85N	18:45	292	19:36
2025	Jul	19	(Sat)	05:00	05:51	68	12:18	85N	18:45	292	19:35
2025	Jul	20	(Sun)	05:01	05:51	68	12:18	85N	18:45	292	19:35
2025	Jul	21	(Mon)	05:01	05:52	69	12:18	85N	18:45	291	19:35
2025	Jul	22	(Tue)	05:02	05:52	69	12:18	85N	18:44	291	19:35
2025	Jul	23	(Wed)	05:02	05:52	69	12:18	86N	18:44	291	19:34
2025	Jul	24	(Thu)	05:02	05:52	69	12:18	86N	18:44	291	19:34
2025	Jul	25	(Fri)	05:03	05:53	69	12:18	86N	18:44	290	19:34
2025	Jul	26	(Sat)	05:03	05:53	70	12:18	86N	18:43	290	19:33
2025	Jul	27	(Sun)	05:03	05:53	70	12:18	86N	18:43	290	19:33
2025	Jul	28	(Mon)	05:04	05:54	70	12:18	87N	18:43	290	19:32
2025	Jul	29	(Tue)	05:04	05:54	70	12:18	87N	18:42	290	19:32
2025	Jul	30	(Wed)	05:04	05:54	71	12:18	87N	18:42	289	19:32
2025	Jul	31	(Thu)	05:05	05:54	71	12:18	87N	18:42	289	19:31
2025	Aug	01	(Fri)	05:05	05:55	71	12:18	88N	18:41	289	19:31
2025	Aug	02	(Sat)	05:05	05:55	71	12:18	88N	18:41	288	19:30
2025	Aug	03	(Sun)	05:06	05:55	72	12:18	88N	18:41	288	19:30
2025	Aug	04	(Mon)	05:06	05:55	72	12:18	88N	18:40	288	19:29
2025	Aug	05	(Tue)	05:06	05:55	72	12:18	89N	18:40	288	19:29
2025	Aug	06	(Wed)	05:07	05:56	72	12:18	89N	18:39	287	19:28
2025	Aug	07	(Thu)	05:07	05:56	73	12:17	89N	18:39	287	19:28
2025	Aug	08	(Fri)	05:07	05:56	73	12:17	90N	18:38	287	19:27
2025	Aug	09	(Sat)	05:08	05:56	73	12:17	90N	18:38	286	19:27
2025	Aug	10	(Sun)	05:08	05:57	74	12:17	90N	18:37	286	19:26
2025	Aug	11	(Mon)	05:08	05:57	74	12:17	90N	18:37	286	19:25
2025	Aug	12	(Tue)	05:08	05:57	74	12:17	91S	18:36	286	19:25
2025	Aug	13	(Wed)	05:09	05:57	75	12:17	90S	18:36	285	19:24
2025	Aug	14	(Thu)	05:09	05:57	75	12:16	90S	18:35	285	19:24
2025	Aug	15	(Fri)	05:09	05:57	75	12:16	90S	18:35	285	19:23
2025	Aug	16	(Sat)	05:09	05:58	76	12:16	89S	18:34	284	19:22
2025	Aug	17	(Sun)	05:10	05:58	76	12:16	89S	18:34	284	19:22
2025	Aug	18	(Mon)	05:10	05:58	76	12:16	89S	18:33	284	19:21
2025	Aug	19	(Tue)	05:10	05:58	77	12:15	88S	18:32	283	19:20
2025	Aug	20	(Wed)	05:10	05:58	77	12:15	88S	18:32	283	19:20
2025	Aug	21	(Thu)	05:11	05:58	77	12:15	88S	18:31	283	19:19
2025	Aug	22	(Fri)	05:11	05:58	78	12:15	87S	18:31	282	19:18
2025	Aug	23	(Sat)	05:11	05:59	78	12:14	87S	18:30	282	19:17
2025	Aug	24	(Sun)	05:11	05:59	78	12:14	87S	18:29	282	19:17
2025	Aug	25	(Mon)	05:11	05:59	79	12:14	86S	18:29	281	19:16
2025	Aug	26	(Tue)	05:11	05:59	79	12:14	86S	18:28	281	19:15
2025	Aug	27	(Wed)	05:12	05:59	79	12:13	86S	18:27	280	19:15
2025	Aug	28	(Thu)	05:12	05:59	80	12:13	85S	18:27	280	19:14
2025	Aug	29	(Fri)	05:12	05:59	80	12:13	85S	18:26	280	19:13
2025	Aug	30	(Sat)	05:12	05:59	80	12:12	85S	18:25	279	19:12
2025	Aug	31	(Sun)	05:12	05:59	81	12:12	84S	18:24	279	19:12
2025	Sep	01	(Mon)	05:12	05:59	81	12:12	84S	18:24	279	19:11
2025	Sep	02	(Tue)	05:13	06:00	82	12:11	84S	18:23	278	19:10
2025	Sep	03	(Wed)	05:13	06:00	82	12:11	83S	18:22	278	19:09
2025	Sep	04	(Thu)	05:13	06:00	82	12:11	83S	18:22	277	19:08
2025	Sep	05	(Fri)	05:13	06:00	83	12:10	82S	18:21	277	19:08
2025	Sep	06	(Sat)	05:13	06:00	83	12:10	82S	18:20	277	19:07
2025	Sep	07	(Sun)	05:13	06:00	84	12:10	82S	18:19	276	19:06
2025	Sep	08	(Mon)	05:13	06:00	84	12:09	81S	18:19	276	19:05
2025	Sep	09	(Tue)	05:13	06:00	84	12:09	81S	18:18	276	19:04
2025	Sep	10	(Wed)	05:13	06:00	85	12:09	81S	18:17	275	19:04
2025	Sep	11	(Thu)	05:14	06:00	85	12:08	80S	18:16	275	19:03
2025	Sep	12	(Fri)	05:14	06:00	85	12:08	80S	18:16	274	19:02
2025	Sep	13	(Sat)	05:14	06:00	86	12:08	79S	18:15	274	19:01

2025 Sep 14 (Sun)	05:14	06:00	86	12:07	79S	18:14	274	19:00
2025 Sep 15 (Mon)	05:14	06:00	87	12:07	79S	18:13	273	19:00
2025 Sep 16 (Tue)	05:14	06:00	87	12:07	78S	18:12	273	18:59
2025 Sep 17 (Wed)	05:14	06:00	87	12:06	78S	18:12	272	18:58
2025 Sep 18 (Thu)	05:14	06:00	88	12:06	78S	18:11	272	18:57
2025 Sep 19 (Fri)	05:14	06:01	88	12:05	77S	18:10	272	18:56
2025 Sep 20 (Sat)	05:14	06:01	89	12:05	77S	18:09	271	18:56
2025 Sep 21 (Sun)	05:14	06:01	89	12:05	76S	18:09	271	18:55
2025 Sep 22 (Mon)	05:14	06:01	89	12:04	76S	18:08	270	18:54
2025 Sep 23 (Tue)	05:15	06:01	90	12:04	76S	18:07	270	18:53
2025 Sep 24 (Wed)	05:15	06:01	90	12:04	75S	18:06	270	18:53
2025 Sep 25 (Thu)	05:15	06:01	91	12:03	75S	18:06	269	18:52
2025 Sep 26 (Fri)	05:15	06:01	91	12:03	74S	18:05	269	18:51
2025 Sep 27 (Sat)	05:15	06:01	91	12:03	74S	18:04	268	18:50
2025 Sep 28 (Sun)	05:15	06:01	92	12:02	74S	18:03	268	18:50
2025 Sep 29 (Mon)	05:15	06:01	92	12:02	73S	18:03	268	18:49
2025 Sep 30 (Tue)	05:15	06:01	93	12:02	73S	18:02	267	18:48
2025 Oct 01 (Wed)	05:15	06:01	93	12:01	72S	18:01	267	18:47
2025 Oct 02 (Thu)	05:15	06:01	93	12:01	72S	18:00	266	18:47
2025 Oct 03 (Fri)	05:15	06:02	94	12:01	72S	18:00	266	18:46
2025 Oct 04 (Sat)	05:15	06:02	94	12:00	71S	17:59	266	18:45
2025 Oct 05 (Sun)	05:15	06:02	95	12:00	71S	17:58	265	18:45
2025 Oct 06 (Mon)	05:16	06:02	95	12:00	71S	17:58	265	18:44
2025 Oct 07 (Tue)	05:16	06:02	95	12:00	70S	17:57	264	18:43
2025 Oct 08 (Wed)	05:16	06:02	96	11:59	70S	17:56	264	18:42
2025 Oct 09 (Thu)	05:16	06:02	96	11:59	69S	17:55	264	18:42
2025 Oct 10 (Fri)	05:16	06:02	97	11:59	69S	17:55	263	18:41
2025 Oct 11 (Sat)	05:16	06:03	97	11:58	69S	17:54	263	18:41
2025 Oct 12 (Sun)	05:16	06:03	97	11:58	68S	17:53	262	18:40
2025 Oct 13 (Mon)	05:16	06:03	98	11:58	68S	17:53	262	18:39
2025 Oct 14 (Tue)	05:16	06:03	98	11:58	68S	17:52	262	18:39
2025 Oct 15 (Wed)	05:17	06:03	99	11:57	67S	17:52	261	18:38
2025 Oct 16 (Thu)	05:17	06:03	99	11:57	67S	17:51	261	18:38
2025 Oct 17 (Fri)	05:17	06:04	99	11:57	66S	17:50	260	18:37
2025 Oct 18 (Sat)	05:17	06:04	100	11:57	66S	17:50	260	18:36
2025 Oct 19 (Sun)	05:17	06:04	100	11:57	66S	17:49	260	18:36
2025 Oct 20 (Mon)	05:17	06:04	100	11:56	65S	17:49	259	18:35
2025 Oct 21 (Tue)	05:18	06:04	101	11:56	65S	17:48	259	18:35
2025 Oct 22 (Wed)	05:18	06:05	101	11:56	65S	17:48	259	18:34
2025 Oct 23 (Thu)	05:18	06:05	102	11:56	64S	17:47	258	18:34
2025 Oct 24 (Fri)	05:18	06:05	102	11:56	64S	17:46	258	18:33
2025 Oct 25 (Sat)	05:18	06:05	102	11:56	64S	17:46	258	18:33
2025 Oct 26 (Sun)	05:19	06:06	103	11:56	63S	17:45	257	18:33
2025 Oct 27 (Mon)	05:19	06:06	103	11:56	63S	17:45	257	18:32
2025 Oct 28 (Tue)	05:19	06:06	103	11:55	63S	17:45	256	18:32
2025 Oct 29 (Wed)	05:19	06:07	104	11:55	62S	17:44	256	18:31
2025 Oct 30 (Thu)	05:19	06:07	104	11:55	62S	17:44	256	18:31
2025 Oct 31 (Fri)	05:20	06:07	104	11:55	62S	17:43	255	18:31
2025 Nov 01 (Sat)	05:20	06:07	105	11:55	61S	17:43	255	18:30
2025 Nov 02 (Sun)	05:20	06:08	105	11:55	61S	17:43	255	18:30
2025 Nov 03 (Mon)	05:20	06:08	105	11:55	61S	17:42	254	18:30
2025 Nov 04 (Tue)	05:21	06:08	106	11:55	60S	17:42	254	18:30
2025 Nov 05 (Wed)	05:21	06:09	106	11:55	60S	17:42	254	18:29
2025 Nov 06 (Thu)	05:21	06:09	106	11:55	60S	17:41	254	18:29
2025 Nov 07 (Fri)	05:22	06:10	107	11:55	59S	17:41	253	18:29
2025 Nov 08 (Sat)	05:22	06:10	107	11:55	59S	17:41	253	18:29
2025 Nov 09 (Sun)	05:22	06:10	107	11:55	59S	17:40	253	18:28
2025 Nov 10 (Mon)	05:23	06:11	108	11:56	59S	17:40	252	18:28
2025 Nov 11 (Tue)	05:23	06:11	108	11:56	58S	17:40	252	18:28
2025 Nov 12 (Wed)	05:23	06:12	108	11:56	58S	17:40	252	18:28
2025 Nov 13 (Thu)	05:24	06:12	108	11:56	58S	17:40	251	18:28
2025 Nov 14 (Fri)	05:24	06:13	109	11:56	57S	17:39	251	18:28
2025 Nov 15 (Sat)	05:25	06:13	109	11:56	57S	17:39	251	18:28
2025 Nov 16 (Sun)	05:25	06:13	109	11:56	57S	17:39	251	18:28
2025 Nov 17 (Mon)	05:25	06:14	109	11:57	57S	17:39	250	18:28
2025 Nov 18 (Tue)	05:26	06:14	110	11:57	56S	17:39	250	18:28
2025 Nov 19 (Wed)	05:26	06:15	110	11:57	56S	17:39	250	18:28

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

Sun

VTEN

Location: E102°05'00.0", N14°56'00.0", 729m
(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)	06:14	06:37	114	12:15	53S	17:53	246	18:16
2025 Jan 02 (Thu)	06:14	06:38	114	12:16	53S	17:54	247	18:17
2025 Jan 03 (Fri)	06:15	06:38	113	12:16	53S	17:54	247	18:17
2025 Jan 04 (Sat)	06:15	06:38	113	12:17	53S	17:55	247	18:18
2025 Jan 05 (Sun)	06:16	06:39	113	12:17	53S	17:55	247	18:19
2025 Jan 06 (Mon)	06:16	06:39	113	12:18	53S	17:56	247	18:19
2025 Jan 07 (Tue)	06:16	06:39	113	12:18	53S	17:57	247	18:20
2025 Jan 08 (Wed)	06:16	06:40	113	12:18	54S	17:57	247	18:20
2025 Jan 09 (Thu)	06:17	06:40	113	12:19	54S	17:58	247	18:21
2025 Jan 10 (Fri)	06:17	06:40	113	12:19	54S	17:58	248	18:21
2025 Jan 11 (Sat)	06:17	06:40	112	12:20	54S	17:59	248	18:22
2025 Jan 12 (Sun)	06:17	06:40	112	12:20	54S	18:00	248	18:23

2025	Jan	13	(Mon)	06:18	06:41	112	12:20	54S	18:00	248	18:23
2025	Jan	14	(Tue)	06:18	06:41	112	12:21	55S	18:01	248	18:24
2025	Jan	15	(Wed)	06:18	06:41	112	12:21	55S	18:01	248	18:24
2025	Jan	16	(Thu)	06:18	06:41	111	12:21	55S	18:02	249	18:25
2025	Jan	17	(Fri)	06:18	06:41	111	12:22	55S	18:02	249	18:25
2025	Jan	18	(Sat)	06:18	06:41	111	12:22	55S	18:03	249	18:26
2025	Jan	19	(Sun)	06:19	06:41	111	12:22	55S	18:04	249	18:26
2025	Jan	20	(Mon)	06:19	06:41	111	12:23	56S	18:04	249	18:27
2025	Jan	21	(Tue)	06:19	06:41	110	12:23	56S	18:05	250	18:27
2025	Jan	22	(Wed)	06:19	06:41	110	12:23	56S	18:05	250	18:28
2025	Jan	23	(Thu)	06:19	06:41	110	12:23	56S	18:06	250	18:28
2025	Jan	24	(Fri)	06:19	06:41	110	12:24	57S	18:06	250	18:29
2025	Jan	25	(Sat)	06:19	06:41	109	12:24	57S	18:07	251	18:29
2025	Jan	26	(Sun)	06:19	06:41	109	12:24	57S	18:07	251	18:30
2025	Jan	27	(Mon)	06:19	06:41	109	12:24	57S	18:08	251	18:30
2025	Jan	28	(Tue)	06:19	06:41	109	12:25	58S	18:08	252	18:31
2025	Jan	29	(Wed)	06:18	06:41	108	12:25	58S	18:09	252	18:31
2025	Jan	30	(Thu)	06:18	06:41	108	12:25	58S	18:09	252	18:32
2025	Jan	31	(Fri)	06:18	06:41	108	12:25	58S	18:10	252	18:32
2025	Feb	01	(Sat)	06:18	06:40	107	12:25	59S	18:10	253	18:33
2025	Feb	02	(Sun)	06:18	06:40	107	12:25	59S	18:11	253	18:33
2025	Feb	03	(Mon)	06:18	06:40	107	12:25	59S	18:11	253	18:33
2025	Feb	04	(Tue)	06:18	06:40	107	12:26	60S	18:12	254	18:34
2025	Feb	05	(Wed)	06:17	06:39	106	12:26	60S	18:12	254	18:34
2025	Feb	06	(Thu)	06:17	06:39	106	12:26	60S	18:12	254	18:35
2025	Feb	07	(Fri)	06:17	06:39	106	12:26	61S	18:13	255	18:35
2025	Feb	08	(Sat)	06:17	06:39	105	12:26	61S	18:13	255	18:35
2025	Feb	09	(Sun)	06:16	06:38	105	12:26	61S	18:14	255	18:36
2025	Feb	10	(Mon)	06:16	06:38	105	12:26	62S	18:14	256	18:36
2025	Feb	11	(Tue)	06:16	06:38	104	12:26	62S	18:14	256	18:36
2025	Feb	12	(Wed)	06:15	06:37	104	12:26	62S	18:15	256	18:37
2025	Feb	13	(Thu)	06:15	06:37	104	12:26	63S	18:15	257	18:37
2025	Feb	14	(Fri)	06:14	06:36	103	12:26	63S	18:15	257	18:37
2025	Feb	15	(Sat)	06:14	06:36	103	12:26	63S	18:16	257	18:38
2025	Feb	16	(Sun)	06:14	06:36	103	12:26	64S	18:16	258	18:38
2025	Feb	17	(Mon)	06:13	06:35	102	12:26	64S	18:16	258	18:38
2025	Feb	18	(Tue)	06:13	06:35	102	12:26	64S	18:17	258	18:38
2025	Feb	19	(Wed)	06:12	06:34	101	12:25	65S	18:17	259	18:39
2025	Feb	20	(Thu)	06:12	06:34	101	12:25	65S	18:17	259	18:39
2025	Feb	21	(Fri)	06:11	06:33	101	12:25	65S	18:18	259	18:39
2025	Feb	22	(Sat)	06:11	06:33	100	12:25	66S	18:18	260	18:39
2025	Feb	23	(Sun)	06:10	06:32	100	12:25	66S	18:18	260	18:40
2025	Feb	24	(Mon)	06:10	06:32	100	12:25	66S	18:18	261	18:40
2025	Feb	25	(Tue)	06:09	06:31	99	12:25	67S	18:19	261	18:40
2025	Feb	26	(Wed)	06:09	06:30	99	12:25	67S	18:19	261	18:40
2025	Feb	27	(Thu)	06:08	06:30	98	12:24	68S	18:19	262	18:41
2025	Feb	28	(Fri)	06:08	06:29	98	12:24	68S	18:19	262	18:41
2025	Mar	01	(Sat)	06:07	06:29	98	12:24	68S	18:19	263	18:41
2025	Mar	02	(Sun)	06:07	06:28	97	12:24	69S	18:20	263	18:41
2025	Mar	03	(Mon)	06:06	06:27	97	12:24	69S	18:20	263	18:41
2025	Mar	04	(Tue)	06:05	06:27	96	12:23	69S	18:20	264	18:42
2025	Mar	05	(Wed)	06:05	06:26	96	12:23	70S	18:20	264	18:42
2025	Mar	06	(Thu)	06:04	06:26	96	12:23	70S	18:20	265	18:42
2025	Mar	07	(Fri)	06:03	06:25	95	12:23	71S	18:21	265	18:42
2025	Mar	08	(Sat)	06:03	06:24	95	12:22	71S	18:21	265	18:42
2025	Mar	09	(Sun)	06:02	06:24	94	12:22	71S	18:21	266	18:42
2025	Mar	10	(Mon)	06:02	06:23	94	12:22	72S	18:21	266	18:43
2025	Mar	11	(Tue)	06:01	06:22	94	12:22	72S	18:21	267	18:43
2025	Mar	12	(Wed)	06:00	06:22	93	12:21	73S	18:21	267	18:43
2025	Mar	13	(Thu)	05:59	06:21	93	12:21	73S	18:22	267	18:43
2025	Mar	14	(Fri)	05:59	06:20	92	12:21	73S	18:22	268	18:43
2025	Mar	15	(Sat)	05:58	06:19	92	12:21	74S	18:22	268	18:43
2025	Mar	16	(Sun)	05:57	06:19	92	12:20	74S	18:22	269	18:43
2025	Mar	17	(Mon)	05:57	06:18	91	12:20	75S	18:22	269	18:44
2025	Mar	18	(Tue)	05:56	06:17	91	12:20	75S	18:22	269	18:44
2025	Mar	19	(Wed)	05:55	06:17	90	12:19	75S	18:22	270	18:44
2025	Mar	20	(Thu)	05:55	06:16	90	12:19	76S	18:23	270	18:44

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

2025	May	27	(Tue)	05:18	05:41	68	12:09	84N	18:37	292	19:00
2025	May	28	(Wed)	05:18	05:41	68	12:09	84N	18:37	293	19:00
2025	May	29	(Thu)	05:18	05:41	67	12:09	84N	18:37	293	19:01
2025	May	30	(Fri)	05:18	05:41	67	12:09	84N	18:38	293	19:01
2025	May	31	(Sat)	05:18	05:41	67	12:09	84N	18:38	293	19:01
2025	Jun	01	(Sun)	05:18	05:41	67	12:10	84N	18:38	293	19:02
2025	Jun	02	(Mon)	05:17	05:41	67	12:10	83N	18:39	293	19:02
2025	Jun	03	(Tue)	05:17	05:41	67	12:10	83N	18:39	293	19:02
2025	Jun	04	(Wed)	05:17	05:41	66	12:10	83N	18:39	294	19:03
2025	Jun	05	(Thu)	05:17	05:41	66	12:10	83N	18:39	294	19:03
2025	Jun	06	(Fri)	05:17	05:41	66	12:10	83N	18:40	294	19:03
2025	Jun	07	(Sat)	05:18	05:41	66	12:11	83N	18:40	294	19:04
2025	Jun	08	(Sun)	05:18	05:41	66	12:11	83N	18:40	294	19:04
2025	Jun	09	(Mon)	05:18	05:41	66	12:11	83N	18:41	294	19:04
2025	Jun	10	(Tue)	05:18	05:41	66	12:11	83N	18:41	294	19:05
2025	Jun	11	(Wed)	05:18	05:41	66	12:11	83N	18:41	294	19:05
2025	Jun	12	(Thu)	05:18	05:42	66	12:12	82N	18:42	294	19:05
2025	Jun	13	(Fri)	05:18	05:42	66	12:12	82N	18:42	294	19:06
2025	Jun	14	(Sat)	05:18	05:42	66	12:12	82N	18:42	294	19:06
2025	Jun	15	(Sun)	05:18	05:42	66	12:12	82N	18:42	294	19:06
2025	Jun	16	(Mon)	05:18	05:42	66	12:12	82N	18:43	294	19:06
2025	Jun	17	(Tue)	05:19	05:42	66	12:13	82N	18:43	295	19:07
2025	Jun	18	(Wed)	05:19	05:42	65	12:13	82N	18:43	295	19:07
2025	Jun	19	(Thu)	05:19	05:43	65	12:13	82N	18:43	295	19:07
2025	Jun	20	(Fri)	05:19	05:43	65	12:13	82N	18:44	295	19:07
2025	Jun	21	(Sat)	05:19	05:43	65	12:13	82N	18:44	295	19:08
2025	Jun	22	(Sun)	05:20	05:43	65	12:14	82N	18:44	295	19:08
2025	Jun	23	(Mon)	05:20	05:44	65	12:14	82N	18:44	295	19:08
2025	Jun	24	(Tue)	05:20	05:44	65	12:14	82N	18:44	295	19:08
2025	Jun	25	(Wed)	05:20	05:44	65	12:14	82N	18:45	294	19:08
2025	Jun	26	(Thu)	05:21	05:44	66	12:15	82N	18:45	294	19:08
2025	Jun	27	(Fri)	05:21	05:45	66	12:15	82N	18:45	294	19:09
2025	Jun	28	(Sat)	05:21	05:45	66	12:15	82N	18:45	294	19:09
2025	Jun	29	(Sun)	05:21	05:45	66	12:15	82N	18:45	294	19:09
2025	Jun	30	(Mon)	05:22	05:45	66	12:15	82N	18:45	294	19:09
2025	Jul	01	(Tue)	05:22	05:46	66	12:16	83N	18:45	294	19:09
2025	Jul	02	(Wed)	05:22	05:46	66	12:16	83N	18:46	294	19:09
2025	Jul	03	(Thu)	05:23	05:46	66	12:16	83N	18:46	294	19:09
2025	Jul	04	(Fri)	05:23	05:47	66	12:16	83N	18:46	294	19:09
2025	Jul	05	(Sat)	05:23	05:47	66	12:16	83N	18:46	294	19:09
2025	Jul	06	(Sun)	05:24	05:47	66	12:16	83N	18:46	294	19:09
2025	Jul	07	(Mon)	05:24	05:47	66	12:17	83N	18:46	294	19:09
2025	Jul	08	(Tue)	05:24	05:48	66	12:17	83N	18:46	293	19:09
2025	Jul	09	(Wed)	05:25	05:48	67	12:17	83N	18:46	293	19:09
2025	Jul	10	(Thu)	05:25	05:48	67	12:17	83N	18:46	293	19:09
2025	Jul	11	(Fri)	05:25	05:49	67	12:17	84N	18:46	293	19:09
2025	Jul	12	(Sat)	05:25	05:49	67	12:17	84N	18:46	293	19:09
2025	Jul	13	(Sun)	05:26	05:49	67	12:17	84N	18:46	293	19:09
2025	Jul	14	(Mon)	05:26	05:50	67	12:18	84N	18:46	293	19:09
2025	Jul	15	(Tue)	05:26	05:50	67	12:18	84N	18:45	292	19:09
2025	Jul	16	(Wed)	05:27	05:50	68	12:18	84N	18:45	292	19:09
2025	Jul	17	(Thu)	05:27	05:50	68	12:18	84N	18:45	292	19:08
2025	Jul	18	(Fri)	05:27	05:51	68	12:18	85N	18:45	292	19:08
2025	Jul	19	(Sat)	05:28	05:51	68	12:18	85N	18:45	292	19:08
2025	Jul	20	(Sun)	05:28	05:51	68	12:18	85N	18:45	292	19:08
2025	Jul	21	(Mon)	05:28	05:52	69	12:18	85N	18:45	291	19:08
2025	Jul	22	(Tue)	05:29	05:52	69	12:18	85N	18:44	291	19:07
2025	Jul	23	(Wed)	05:29	05:52	69	12:18	86N	18:44	291	19:07
2025	Jul	24	(Thu)	05:29	05:52	69	12:18	86N	18:44	291	19:07
2025	Jul	25	(Fri)	05:30	05:53	69	12:18	86N	18:44	290	19:07
2025	Jul	26	(Sat)	05:30	05:53	70	12:18	86N	18:43	290	19:06
2025	Jul	27	(Sun)	05:30	05:53	70	12:18	86N	18:43	290	19:06
2025	Jul	28	(Mon)	05:31	05:54	70	12:18	87N	18:43	290	19:06
2025	Jul	29	(Tue)	05:31	05:54	70	12:18	87N	18:42	290	19:05
2025	Jul	30	(Wed)	05:31	05:54	71	12:18	87N	18:42	289	19:05
2025	Jul	31	(Thu)	05:32	05:54	71	12:18	87N	18:42	289	19:04
2025	Aug	01	(Fri)	05:32	05:55	71	12:18	88N	18:41	289	19:04

2025 Aug 02 (Sat)	05:32	05:55	71	12:18	88N	18:41	288	19:04
2025 Aug 03 (Sun)	05:32	05:55	72	12:18	88N	18:41	288	19:03
2025 Aug 04 (Mon)	05:33	05:55	72	12:18	88N	18:40	288	19:03
2025 Aug 05 (Tue)	05:33	05:55	72	12:18	89N	18:40	288	19:02
2025 Aug 06 (Wed)	05:33	05:56	72	12:18	89N	18:39	287	19:02
2025 Aug 07 (Thu)	05:33	05:56	73	12:17	89N	18:39	287	19:01
2025 Aug 08 (Fri)	05:34	05:56	73	12:17	90N	18:38	287	19:01
2025 Aug 09 (Sat)	05:34	05:56	73	12:17	90N	18:38	286	19:00
2025 Aug 10 (Sun)	05:34	05:57	74	12:17	90N	18:37	286	19:00
2025 Aug 11 (Mon)	05:34	05:57	74	12:17	90N	18:37	286	18:59
2025 Aug 12 (Tue)	05:35	05:57	74	12:17	91S	18:36	286	18:59
2025 Aug 13 (Wed)	05:35	05:57	75	12:17	90S	18:36	285	18:58
2025 Aug 14 (Thu)	05:35	05:57	75	12:16	90S	18:35	285	18:58
2025 Aug 15 (Fri)	05:35	05:57	75	12:16	90S	18:35	285	18:57
2025 Aug 16 (Sat)	05:35	05:58	76	12:16	89S	18:34	284	18:56
2025 Aug 17 (Sun)	05:36	05:58	76	12:16	89S	18:34	284	18:56
2025 Aug 18 (Mon)	05:36	05:58	76	12:16	89S	18:33	284	18:55
2025 Aug 19 (Tue)	05:36	05:58	77	12:15	88S	18:32	283	18:55
2025 Aug 20 (Wed)	05:36	05:58	77	12:15	88S	18:32	283	18:54
2025 Aug 21 (Thu)	05:36	05:58	77	12:15	88S	18:31	283	18:53
2025 Aug 22 (Fri)	05:36	05:58	78	12:15	87S	18:31	282	18:53
2025 Aug 23 (Sat)	05:37	05:59	78	12:14	87S	18:30	282	18:52
2025 Aug 24 (Sun)	05:37	05:59	78	12:14	87S	18:29	282	18:51
2025 Aug 25 (Mon)	05:37	05:59	79	12:14	86S	18:29	281	18:50
2025 Aug 26 (Tue)	05:37	05:59	79	12:14	86S	18:28	281	18:50
2025 Aug 27 (Wed)	05:37	05:59	79	12:13	86S	18:27	280	18:49
2025 Aug 28 (Thu)	05:37	05:59	80	12:13	85S	18:27	280	18:48
2025 Aug 29 (Fri)	05:37	05:59	80	12:13	85S	18:26	280	18:48
2025 Aug 30 (Sat)	05:38	05:59	80	12:12	85S	18:25	279	18:47
2025 Aug 31 (Sun)	05:38	05:59	81	12:12	84S	18:24	279	18:46
2025 Sep 01 (Mon)	05:38	05:59	81	12:12	84S	18:24	279	18:45
2025 Sep 02 (Tue)	05:38	06:00	82	12:11	84S	18:23	278	18:45
2025 Sep 03 (Wed)	05:38	06:00	82	12:11	83S	18:22	278	18:44
2025 Sep 04 (Thu)	05:38	06:00	82	12:11	83S	18:22	277	18:43
2025 Sep 05 (Fri)	05:38	06:00	83	12:10	82S	18:21	277	18:42
2025 Sep 06 (Sat)	05:38	06:00	83	12:10	82S	18:20	277	18:42
2025 Sep 07 (Sun)	05:38	06:00	84	12:10	82S	18:19	276	18:41
2025 Sep 08 (Mon)	05:38	06:00	84	12:09	81S	18:19	276	18:40
2025 Sep 09 (Tue)	05:38	06:00	84	12:09	81S	18:18	276	18:39
2025 Sep 10 (Wed)	05:39	06:00	85	12:09	81S	18:17	275	18:39
2025 Sep 11 (Thu)	05:39	06:00	85	12:08	80S	18:16	275	18:38
2025 Sep 12 (Fri)	05:39	06:00	85	12:08	80S	18:16	274	18:37
2025 Sep 13 (Sat)	05:39	06:00	86	12:08	79S	18:15	274	18:36
2025 Sep 14 (Sun)	05:39	06:00	86	12:07	79S	18:14	274	18:35
2025 Sep 15 (Mon)	05:39	06:00	87	12:07	79S	18:13	273	18:35
2025 Sep 16 (Tue)	05:39	06:00	87	12:07	78S	18:12	273	18:34
2025 Sep 17 (Wed)	05:39	06:00	87	12:06	78S	18:12	272	18:33
2025 Sep 18 (Thu)	05:39	06:00	88	12:06	78S	18:11	272	18:32
2025 Sep 19 (Fri)	05:39	06:01	88	12:05	77S	18:10	272	18:32
2025 Sep 20 (Sat)	05:39	06:01	89	12:05	77S	18:09	271	18:31
2025 Sep 21 (Sun)	05:39	06:01	89	12:05	76S	18:09	271	18:30
2025 Sep 22 (Mon)	05:39	06:01	89	12:04	76S	18:08	270	18:29
2025 Sep 23 (Tue)	05:39	06:01	90	12:04	76S	18:07	270	18:29
2025 Sep 24 (Wed)	05:39	06:01	90	12:04	75S	18:06	270	18:28
2025 Sep 25 (Thu)	05:40	06:01	91	12:03	75S	18:06	269	18:27
2025 Sep 26 (Fri)	05:40	06:01	91	12:03	74S	18:05	269	18:26
2025 Sep 27 (Sat)	05:40	06:01	91	12:03	74S	18:04	268	18:25
2025 Sep 28 (Sun)	05:40	06:01	92	12:02	74S	18:03	268	18:25
2025 Sep 29 (Mon)	05:40	06:01	92	12:02	73S	18:03	268	18:24
2025 Sep 30 (Tue)	05:40	06:01	93	12:02	73S	18:02	267	18:23
2025 Oct 01 (Wed)	05:40	06:01	93	12:01	72S	18:01	267	18:23
2025 Oct 02 (Thu)	05:40	06:01	93	12:01	72S	18:00	266	18:22
2025 Oct 03 (Fri)	05:40	06:02	94	12:01	72S	18:00	266	18:21
2025 Oct 04 (Sat)	05:40	06:02	94	12:00	71S	17:59	266	18:20
2025 Oct 05 (Sun)	05:40	06:02	95	12:00	71S	17:58	265	18:20
2025 Oct 06 (Mon)	05:40	06:02	95	12:00	71S	17:58	265	18:19
2025 Oct 07 (Tue)	05:41	06:02	95	12:00	70S	17:57	264	18:18

2025	Oct	08	(Wed)	05:41	06:02	96	11:59	70S	17:56	264	18:18
2025	Oct	09	(Thu)	05:41	06:02	96	11:59	69S	17:55	264	18:17
2025	Oct	10	(Fri)	05:41	06:02	97	11:59	69S	17:55	263	18:16
2025	Oct	11	(Sat)	05:41	06:03	97	11:58	69S	17:54	263	18:16
2025	Oct	12	(Sun)	05:41	06:03	97	11:58	68S	17:53	262	18:15
2025	Oct	13	(Mon)	05:41	06:03	98	11:58	68S	17:53	262	18:14
2025	Oct	14	(Tue)	05:41	06:03	98	11:58	68S	17:52	262	18:14
2025	Oct	15	(Wed)	05:42	06:03	99	11:57	67S	17:52	261	18:13
2025	Oct	16	(Thu)	05:42	06:03	99	11:57	67S	17:51	261	18:13
2025	Oct	17	(Fri)	05:42	06:04	99	11:57	66S	17:50	260	18:12
2025	Oct	18	(Sat)	05:42	06:04	100	11:57	66S	17:50	260	18:11
2025	Oct	19	(Sun)	05:42	06:04	100	11:57	66S	17:49	260	18:11
2025	Oct	20	(Mon)	05:42	06:04	100	11:56	65S	17:49	259	18:10
2025	Oct	21	(Tue)	05:43	06:04	101	11:56	65S	17:48	259	18:10
2025	Oct	22	(Wed)	05:43	06:05	101	11:56	65S	17:48	259	18:09
2025	Oct	23	(Thu)	05:43	06:05	102	11:56	64S	17:47	258	18:09
2025	Oct	24	(Fri)	05:43	06:05	102	11:56	64S	17:46	258	18:08
2025	Oct	25	(Sat)	05:44	06:05	102	11:56	64S	17:46	258	18:08
2025	Oct	26	(Sun)	05:44	06:06	103	11:56	63S	17:45	257	18:07
2025	Oct	27	(Mon)	05:44	06:06	103	11:56	63S	17:45	257	18:07
2025	Oct	28	(Tue)	05:44	06:06	103	11:55	63S	17:45	256	18:06
2025	Oct	29	(Wed)	05:45	06:07	104	11:55	62S	17:44	256	18:06
2025	Oct	30	(Thu)	05:45	06:07	104	11:55	62S	17:44	256	18:06
2025	Oct	31	(Fri)	05:45	06:07	104	11:55	62S	17:43	255	18:05
2025	Nov	01	(Sat)	05:45	06:07	105	11:55	61S	17:43	255	18:05
2025	Nov	02	(Sun)	05:46	06:08	105	11:55	61S	17:43	255	18:05
2025	Nov	03	(Mon)	05:46	06:08	105	11:55	61S	17:42	254	18:04
2025	Nov	04	(Tue)	05:46	06:08	106	11:55	60S	17:42	254	18:04
2025	Nov	05	(Wed)	05:47	06:09	106	11:55	60S	17:42	254	18:04
2025	Nov	06	(Thu)	05:47	06:09	106	11:55	60S	17:41	254	18:03
2025	Nov	07	(Fri)	05:47	06:10	107	11:55	59S	17:41	253	18:03
2025	Nov	08	(Sat)	05:48	06:10	107	11:55	59S	17:41	253	18:03
2025	Nov	09	(Sun)	05:48	06:10	107	11:55	59S	17:40	253	18:03
2025	Nov	10	(Mon)	05:48	06:11	108	11:56	59S	17:40	252	18:03
2025	Nov	11	(Tue)	05:49	06:11	108	11:56	58S	17:40	252	18:02
2025	Nov	12	(Wed)	05:49	06:12	108	11:56	58S	17:40	252	18:02
2025	Nov	13	(Thu)	05:50	06:12	108	11:56	58S	17:40	251	18:02
2025	Nov	14	(Fri)	05:50	06:13	109	11:56	57S	17:39	251	18:02
2025	Nov	15	(Sat)	05:51	06:13	109	11:56	57S	17:39	251	18:02
2025	Nov	16	(Sun)	05:51	06:13	109	11:56	57S	17:39	251	18:02
2025	Nov	17	(Mon)	05:51	06:14	109	11:57	57S	17:39	250	18:02
2025	Nov	18	(Tue)	05:52	06:14	110	11:57	56S	17:39	250	18:02
2025	Nov	19	(Wed)	05:52	06:15	110	11:57	56S	17:39	250	18:02
2025	Nov	20	(Thu)	05:53	06:15	110	11:57	56S	17:39	250	18:02
2025	Nov	21	(Fri)	05:53	06:16	110	11:58	56S	17:39	249	18:02
2025	Nov	22	(Sat)	05:54	06:16	111	11:58	56S	17:39	249	18:02
2025	Nov	23	(Sun)	05:54	06:17	111	11:58	55S	17:39	249	18:02
2025	Nov	24	(Mon)	05:55	06:18	111	11:58	55S	17:39	249	18:02
2025	Nov	25	(Tue)	05:55	06:18	111	11:59	55S	17:39	249	18:02
2025	Nov	26	(Wed)	05:56	06:19	111	11:59	55S	17:39	248	18:02
2025	Nov	27	(Thu)	05:56	06:19	112	11:59	55S	17:39	248	18:02
2025	Nov	28	(Fri)	05:57	06:20	112	12:00	54S	17:39	248	18:02
2025	Nov	29	(Sat)	05:57	06:20	112	12:00	54S	17:40	248	18:03
2025	Nov	30	(Sun)	05:58	06:21	112	12:00	54S	17:40	248	18:03
2025	Dec	01	(Mon)	05:58	06:21	112	12:01	54S	17:40	248	18:03
2025	Dec	02	(Tue)	05:59	06:22	113	12:01	54S	17:40	247	18:03
2025	Dec	03	(Wed)	05:59	06:22	113	12:01	54S	17:40	247	18:03
2025	Dec	04	(Thu)	06:00	06:23	113	12:02	54S	17:41	247	18:04
2025	Dec	05	(Fri)	06:00	06:24	113	12:02	53S	17:41	247	18:04
2025	Dec	06	(Sat)	06:01	06:24	113	12:03	53S	17:41	247	18:04
2025	Dec	07	(Sun)	06:02	06:25	113	12:03	53S	17:41	247	18:05
2025	Dec	08	(Mon)	06:02	06:25	113	12:04	53S	17:42	247	18:05
2025	Dec	09	(Tue)	06:03	06:26	113	12:04	53S	17:42	247	18:05
2025	Dec	10	(Wed)	06:03	06:26	114	12:04	53S	17:42	246	18:06
2025	Dec	11	(Thu)	06:04	06:27	114	12:05	53S	17:43	246	18:06
2025	Dec	12	(Fri)	06:04	06:28	114	12:05	53S	17:43	246	18:06
2025	Dec	13	(Sat)	06:05	06:28	114	12:06	53S	17:43	246	18:07

2025	Dec 14	(Sun)	06:05	06:29	114	12:06	53S	17:44	246	18:07
2025	Dec 15	(Mon)	06:06	06:29	114	12:07	52S	17:44	246	18:08
2025	Dec 16	(Tue)	06:06	06:30	114	12:07	52S	17:45	246	18:08
2025	Dec 17	(Wed)	06:07	06:30	114	12:08	52S	17:45	246	18:08
2025	Dec 18	(Thu)	06:08	06:31	114	12:08	52S	17:46	246	18:09
2025	Dec 19	(Fri)	06:08	06:31	114	12:09	52S	17:46	246	18:09
2025	Dec 20	(Sat)	06:09	06:32	114	12:09	52S	17:47	246	18:10
2025	Dec 21	(Sun)	06:09	06:32	114	12:10	52S	17:47	246	18:10
2025	Dec 22	(Mon)	06:10	06:33	114	12:10	52S	17:48	246	18:11
2025	Dec 23	(Tue)	06:10	06:33	114	12:11	52S	17:48	246	18:11
2025	Dec 24	(Wed)	06:11	06:34	114	12:11	52S	17:49	246	18:12
2025	Dec 25	(Thu)	06:11	06:34	114	12:12	52S	17:49	246	18:12
2025	Dec 26	(Fri)	06:11	06:35	114	12:12	52S	17:50	246	18:13
2025	Dec 27	(Sat)	06:12	06:35	114	12:13	52S	17:50	246	18:13
2025	Dec 28	(Sun)	06:12	06:36	114	12:13	53S	17:51	246	18:14
2025	Dec 29	(Mon)	06:13	06:36	114	12:14	53S	17:51	246	18:15
2025	Dec 30	(Tue)	06:13	06:36	114	12:14	53S	17:52	246	18:15
2025	Dec 31	(Wed)	06:14	06:37	114	12:15	53S	17:52	246	18:16

Moon

VTEN

Location: E102°05'00.0", N14°56'00.0", 729m
(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)	07:47	117	13:29 50S	19:14	245
2025 Jan 02 (Thu)	08:37	113	14:24 54S	20:14	249
2025 Jan 03 (Fri)	09:23	108	15:16 60S	21:11	255
2025 Jan 04 (Sat)	10:05	101	16:05 66S	22:07	262
2025 Jan 05 (Sun)	10:45	94	16:52 73S	23:02	269
2025 Jan 06 (Mon)	11:25	87	17:39 80S	23:57	276
2025 Jan 07 (Tue)	12:05	80	18:27 87S		
2025 Jan 08 (Wed)	12:48	74	19:18 88N	00:53	283
2025 Jan 09 (Thu)	13:35	68	20:12 83N	01:52	289
2025 Jan 10 (Fri)	14:26	64	21:10 79N	02:54	294
2025 Jan 11 (Sat)	15:23	61	22:11 77N	03:57	298
2025 Jan 12 (Sun)	16:24	61	23:13 77N	05:01	299
2025 Jan 13 (Mon)	17:26	62		06:01	299
2025 Jan 14 (Tue)	18:26	65	00:12 79N	06:56	297
2025 Jan 15 (Wed)	19:23	70	01:07 82N	07:45	293
2025 Jan 16 (Thu)	20:16	75	01:58 87N	08:28	288
2025 Jan 17 (Fri)	21:06	81	02:43 89S	09:07	282
2025 Jan 18 (Sat)	21:53	87	03:26 83S	09:42	276
2025 Jan 19 (Sun)	22:39	93	04:06 77S	10:16	270
2025 Jan 20 (Mon)	23:25	99	04:45 71S	10:48	264
2025 Jan 21 (Tue)			05:25 65S	11:22	258
2025 Jan 22 (Wed)	00:12	105	06:06 60S	11:57	253
2025 Jan 23 (Thu)	01:00	110	06:49 55S	12:36	248
2025 Jan 24 (Fri)	01:52	114	07:36 51S	13:19	244
2025 Jan 25 (Sat)	02:46	117	08:27 48S	14:07	242
2025 Jan 26 (Sun)	03:42	119	09:21 47S	15:00	240
2025 Jan 27 (Mon)	04:39	120	10:19 47S	15:59	241
2025 Jan 28 (Tue)	05:35	118	11:16 49S	16:59	243
2025 Jan 29 (Wed)	06:28	115	12:13 52S	18:01	247
2025 Jan 30 (Thu)	07:16	110	13:07 57S	19:01	253
2025 Jan 31 (Fri)	08:01	104	13:58 64S	19:59	260
2025 Feb 01 (Sat)	08:43	97	14:48 71S	20:56	267
2025 Feb 02 (Sun)	09:24	90	15:36 78S	21:52	274
2025 Feb 03 (Mon)	10:05	82	16:25 85S	22:49	281
2025 Feb 04 (Tue)	10:47	75	17:15 90N	23:47	288
2025 Feb 05 (Wed)	11:32	69	18:08 84N		
2025 Feb 06 (Thu)	12:22	65	19:04 80N	00:47	293

2025 Feb 07 (Fri)	13:16 62	20:03 78N	01:50 297
2025 Feb 08 (Sat)	14:14 60	21:04 77N	02:52 299
2025 Feb 09 (Sun)	15:15 61	22:03 78N	03:53 299
2025 Feb 10 (Mon)	16:15 64	22:58 81N	04:48 298
2025 Feb 11 (Tue)	17:12 68	23:50 85N	05:39 294
2025 Feb 12 (Wed)	18:07 73		06:23 290
2025 Feb 13 (Thu)	18:58 78	00:37 90N	07:03 284
2025 Feb 14 (Fri)	19:46 84	01:20 85S	07:39 279
2025 Feb 15 (Sat)	20:32 91	02:01 79S	08:14 272
2025 Feb 16 (Sun)	21:18 97	02:41 73S	08:47 266
2025 Feb 17 (Mon)	22:05 103	03:21 67S	09:20 260
2025 Feb 18 (Tue)	22:52 108	04:01 62S	09:54 255
2025 Feb 19 (Wed)	23:42 113	04:43 57S	10:31 250
2025 Feb 20 (Thu)		05:28 53S	11:12 246
2025 Feb 21 (Fri)	00:34 116	06:16 49S	11:57 242
2025 Feb 22 (Sat)	01:29 119	07:08 47S	12:47 241
2025 Feb 23 (Sun)	02:25 120	08:04 46S	13:42 240
2025 Feb 24 (Mon)	03:21 119	09:00 47S	14:41 242
2025 Feb 25 (Tue)	04:14 117	09:57 50S	15:42 245
2025 Feb 26 (Wed)	05:05 112	10:52 55S	16:43 250
2025 Feb 27 (Thu)	05:51 107	11:45 61S	17:43 256
2025 Feb 28 (Fri)	06:35 100	12:37 67S	18:41 263
2025 Mar 01 (Sat)	07:18 93	13:27 75S	19:40 271
2025 Mar 02 (Sun)	08:00 85	14:17 82S	20:38 279
2025 Mar 03 (Mon)	08:43 78	15:08 89S	21:38 286
2025 Mar 04 (Tue)	09:28 71	16:02 86N	22:40 292
2025 Mar 05 (Wed)	10:18 66	16:59 81N	23:43 296
2025 Mar 06 (Thu)	11:11 62	17:58 78N	
2025 Mar 07 (Fri)	12:09 60	18:58 77N	00:46 299
2025 Mar 08 (Sat)	13:09 61	19:57 77N	01:48 300
2025 Mar 09 (Sun)	14:09 63	20:54 80N	02:45 299
2025 Mar 10 (Mon)	15:06 66	21:45 84N	03:36 296
2025 Mar 11 (Tue)	16:01 71	22:33 88N	04:21 292
2025 Mar 12 (Wed)	16:52 76	23:17 88S	05:02 286
2025 Mar 13 (Thu)	17:41 82	23:59 82S	05:39 281
2025 Mar 14 (Fri)	18:27 88		06:13 275
2025 Mar 15 (Sat)	19:13 95	00:39 76S	06:47 269
2025 Mar 16 (Sun)	19:59 100	01:18 70S	07:20 263
2025 Mar 17 (Mon)	20:47 106	01:58 64S	07:53 257
2025 Mar 18 (Tue)	21:35 111	02:39 59S	08:29 252
2025 Mar 19 (Wed)	22:27 115	03:23 54S	09:08 247
2025 Mar 20 (Thu)	23:20 118	04:10 50S	09:51 243
2025 Mar 21 (Fri)		05:00 48S	10:39 241
2025 Mar 22 (Sat)	00:14 120	05:53 46S	11:31 240
2025 Mar 23 (Sun)	01:09 120	06:47 47S	12:27 241
2025 Mar 24 (Mon)	02:02 118	07:43 49S	13:25 243
2025 Mar 25 (Tue)	02:53 115	08:37 52S	14:25 247
2025 Mar 26 (Wed)	03:40 110	09:30 57S	15:24 253
2025 Mar 27 (Thu)	04:25 104	10:22 64S	16:22 260
2025 Mar 28 (Fri)	05:07 97	11:12 71S	17:21 267
2025 Mar 29 (Sat)	05:50 89	12:02 78S	18:20 275
2025 Mar 30 (Sun)	06:33 81	12:54 86S	19:20 282
2025 Mar 31 (Mon)	07:18 74	13:49 89N	20:23 289
2025 Apr 01 (Tue)	08:08 68	14:46 83N	21:29 295
2025 Apr 02 (Wed)	09:02 64	15:47 79N	22:35 298
2025 Apr 03 (Thu)	10:00 61	16:49 77N	23:39 300
2025 Apr 04 (Fri)	11:01 60	17:51 77N	
2025 Apr 05 (Sat)	12:03 62	18:49 79N	00:39 299
2025 Apr 06 (Sun)	13:02 65	19:43 82N	01:33 297
2025 Apr 07 (Mon)	13:57 69	20:32 87N	02:21 293
2025 Apr 08 (Tue)	14:49 74	21:16 89S	03:02 288
2025 Apr 09 (Wed)	15:38 80	21:58 84S	03:40 283
2025 Apr 10 (Thu)	16:25 86	22:38 78S	04:15 277
2025 Apr 11 (Fri)	17:10 92	23:17 72S	04:48 271
2025 Apr 12 (Sat)	17:56 98	23:57 66S	05:21 265
2025 Apr 13 (Sun)	18:43 104		05:54 259
2025 Apr 14 (Mon)	19:31 109	00:37 60S	06:29 253

2025 Apr 15 (Tue)	20:21 114	01:20 56S	07:07 249
2025 Apr 16 (Wed)	21:14 117	02:06 52S	07:49 245
2025 Apr 17 (Thu)	22:08 119	02:55 49S	08:35 242
2025 Apr 18 (Fri)	23:02 120	03:47 47S	09:25 240
2025 Apr 19 (Sat)	23:55 119	04:40 47S	10:19 240
2025 Apr 20 (Sun)		05:34 48S	11:15 242
2025 Apr 21 (Mon)	00:45 116	06:27 51S	12:12 246
2025 Apr 22 (Tue)	01:32 112	07:19 55S	13:10 250
2025 Apr 23 (Wed)	02:16 107	08:10 61S	14:06 256
2025 Apr 24 (Thu)	02:58 100	08:59 67S	15:03 263
2025 Apr 25 (Fri)	03:39 93	09:48 74S	16:00 271
2025 Apr 26 (Sat)	04:21 85	10:38 82S	16:59 278
2025 Apr 27 (Sun)	05:05 78	11:31 89S	18:01 286
2025 Apr 28 (Mon)	05:53 71	12:28 86N	19:06 292
2025 Apr 29 (Tue)	06:46 66	13:29 81N	20:14 297
2025 Apr 30 (Wed)	07:44 62	14:32 78N	21:22 299
2025 May 01 (Thu)	08:47 60	15:37 77N	22:27 299
2025 May 02 (Fri)	09:51 61	16:39 78N	23:25 298
2025 May 03 (Sat)	10:53 64	17:36 81N	
2025 May 04 (Sun)	11:51 68	18:28 85N	00:16 294
2025 May 05 (Mon)	12:45 73	19:14 90N	01:01 290
2025 May 06 (Tue)	13:35 78	19:57 85S	01:40 284
2025 May 07 (Wed)	14:22 84	20:38 79S	02:16 278
2025 May 08 (Thu)	15:08 91	21:17 74S	02:50 272
2025 May 09 (Fri)	15:54 97	21:56 68S	03:23 266
2025 May 10 (Sat)	16:40 102	22:36 62S	03:56 261
2025 May 11 (Sun)	17:28 108	23:19 57S	04:30 255
2025 May 12 (Mon)	18:17 112		05:07 250
2025 May 13 (Tue)	19:09 116	00:04 53S	05:48 246
2025 May 14 (Wed)	20:03 119	00:52 49S	06:32 243
2025 May 15 (Thu)	20:57 120	01:43 47S	07:21 241
2025 May 16 (Fri)	21:50 119	02:36 47S	08:14 240
2025 May 17 (Sat)	22:41 117	03:30 47S	09:10 242
2025 May 18 (Sun)	23:28 113	04:23 50S	10:06 244
2025 May 19 (Mon)		05:14 54S	11:02 249
2025 May 20 (Tue)	00:12 109	06:03 59S	11:58 254
2025 May 21 (Wed)	00:54 103	06:51 65S	12:52 261
2025 May 22 (Thu)	01:34 96	07:38 71S	13:47 268
2025 May 23 (Fri)	02:14 89	08:26 79S	14:43 275
2025 May 24 (Sat)	02:55 82	09:16 86S	15:42 282
2025 May 25 (Sun)	03:40 75	10:10 89N	16:44 289
2025 May 26 (Mon)	04:29 68	11:08 83N	17:50 294
2025 May 27 (Tue)	05:25 64	12:11 79N	18:59 298
2025 May 28 (Wed)	06:26 61	13:16 77N	20:06 299
2025 May 29 (Thu)	07:31 61	14:21 77N	21:10 299
2025 May 30 (Fri)	08:36 62	15:22 80N	22:06 296
2025 May 31 (Sat)	09:38 66	16:18 84N	22:55 291
2025 Jun 01 (Sun)	10:36 71	17:08 89N	23:37 286
2025 Jun 02 (Mon)	11:29 77	17:54 87S	
2025 Jun 03 (Tue)	12:18 83	18:36 81S	00:15 280
2025 Jun 04 (Wed)	13:05 89	19:16 75S	00:50 274
2025 Jun 05 (Thu)	13:51 95	19:55 69S	01:23 268
2025 Jun 06 (Fri)	14:36 101	20:35 64S	01:56 262
2025 Jun 07 (Sat)	15:24 106	21:16 59S	02:30 257
2025 Jun 08 (Sun)	16:13 111	22:00 54S	03:06 252
2025 Jun 09 (Mon)	17:04 115	22:47 50S	03:46 247
2025 Jun 10 (Tue)	17:57 118	23:38 48S	04:29 244
2025 Jun 11 (Wed)	18:52 119		05:17 241
2025 Jun 12 (Thu)	19:46 119	00:31 47S	06:09 240
2025 Jun 13 (Fri)	20:38 118	01:25 47S	07:05 241
2025 Jun 14 (Sat)	21:26 114	02:19 49S	08:02 244
2025 Jun 15 (Sun)	22:11 110	03:11 53S	08:58 248
2025 Jun 16 (Mon)	22:53 104	04:01 57S	09:54 253
2025 Jun 17 (Tue)	23:33 98	04:49 63S	10:48 259
2025 Jun 18 (Wed)		05:35 69S	11:41 265
2025 Jun 19 (Thu)	00:11 91	06:21 76S	12:35 272
2025 Jun 20 (Fri)	00:51 84	07:09 83S	13:31 280

2025 Jun 21 (Sat)	01:33	77	07:59	90S	14:29	286
2025 Jun 22 (Sun)	02:19	71	08:53	86N	15:32	292
2025 Jun 23 (Mon)	03:10	66	09:52	81N	16:38	297
2025 Jun 24 (Tue)	04:08	62	10:56	78N	17:45	299
2025 Jun 25 (Wed)	05:11	61	12:01	77N	18:51	299
2025 Jun 26 (Thu)	06:16	61	13:05	78N	19:51	297
2025 Jun 27 (Fri)	07:21	64	14:04	82N	20:44	294
2025 Jun 28 (Sat)	08:21	69	14:58	86N	21:30	289
2025 Jun 29 (Sun)	09:18	74	15:46	90S	22:11	283
2025 Jun 30 (Mon)	10:09	80	16:30	84S	22:47	277
2025 Jul 01 (Tue)	10:58	86	17:12	78S	23:22	270
2025 Jul 02 (Wed)	11:45	93	17:52	71S	23:55	264
2025 Jul 03 (Thu)	12:31	99	18:32	66S		
2025 Jul 04 (Fri)	13:18	104	19:13	60S	00:29	259
2025 Jul 05 (Sat)	14:06	109	19:56	56S	01:04	253
2025 Jul 06 (Sun)	14:57	114	20:42	52S	01:43	248
2025 Jul 07 (Mon)	15:50	117	21:31	49S	02:24	245
2025 Jul 08 (Tue)	16:44	119	22:23	47S	03:11	242
2025 Jul 09 (Wed)	17:39	120	23:18	47S	04:02	241
2025 Jul 10 (Thu)	18:32	118			04:57	241
2025 Jul 11 (Fri)	19:23	116	00:12	48S	05:54	243
2025 Jul 12 (Sat)	20:09	111	01:06	51S	06:52	246
2025 Jul 13 (Sun)	20:52	106	01:57	56S	07:48	251
2025 Jul 14 (Mon)	21:33	100	02:46	61S	08:44	257
2025 Jul 15 (Tue)	22:12	93	03:34	68S	09:38	264
2025 Jul 16 (Wed)	22:51	86	04:20	74S	10:31	271
2025 Jul 17 (Thu)	23:31	79	05:06	81S	11:26	278
2025 Jul 18 (Fri)			05:55	88S	12:22	284
2025 Jul 19 (Sat)	00:14	73	06:46	87N	13:22	290
2025 Jul 20 (Sun)	01:02	67	07:42	82N	14:25	295
2025 Jul 21 (Mon)	01:56	63	08:42	79N	15:30	298
2025 Jul 22 (Tue)	02:56	61	09:45	77N	16:35	300
2025 Jul 23 (Wed)	03:59	61	10:48	77N	17:36	298
2025 Jul 24 (Thu)	05:03	63	11:49	80N	18:32	295
2025 Jul 25 (Fri)	06:06	67	12:45	84N	19:21	291
2025 Jul 26 (Sat)	07:04	72	13:36	89N	20:04	285
2025 Jul 27 (Sun)	07:58	78	14:22	86S	20:43	279
2025 Jul 28 (Mon)	08:49	84	15:05	80S	21:19	273
2025 Jul 29 (Tue)	09:37	90	15:47	74S	21:53	267
2025 Jul 30 (Wed)	10:24	96	16:27	68S	22:27	261
2025 Jul 31 (Thu)	11:11	102	17:08	62S	23:02	255
2025 Aug 01 (Fri)	11:59	108	17:50	57S	23:39	250
2025 Aug 02 (Sat)	12:49	112	18:35	53S		
2025 Aug 03 (Sun)	13:40	116	19:23	49S	00:19	246
2025 Aug 04 (Mon)	14:34	119	20:14	47S	01:03	243
2025 Aug 05 (Tue)	15:29	120	21:07	47S	01:52	241
2025 Aug 06 (Wed)	16:23	119	22:02	47S	02:46	240
2025 Aug 07 (Thu)	17:15	117	22:57	50S	03:42	242
2025 Aug 08 (Fri)	18:03	113	23:50	54S	04:41	245
2025 Aug 09 (Sat)	18:48	108			05:39	249
2025 Aug 10 (Sun)	19:31	102	00:40	59S	06:35	255
2025 Aug 11 (Mon)	20:11	95	01:29	65S	07:31	261
2025 Aug 12 (Tue)	20:50	88	02:16	72S	08:26	268
2025 Aug 13 (Wed)	21:31	81	03:04	79S	09:21	276
2025 Aug 14 (Thu)	22:13	74	03:52	86S	10:17	283
2025 Aug 15 (Fri)	23:00	69	04:43	89N	11:16	289
2025 Aug 16 (Sat)	23:51	64	05:37	83N	12:18	294
2025 Aug 17 (Sun)			06:35	79N	13:22	298
2025 Aug 18 (Mon)	00:48	61	07:36	77N	14:26	300
2025 Aug 19 (Tue)	01:49	60	08:38	77N	15:27	299
2025 Aug 20 (Wed)	02:52	62	09:39	79N	16:24	297
2025 Aug 21 (Thu)	03:53	65	10:35	82N	17:14	293
2025 Aug 22 (Fri)	04:52	69	11:27	87N	17:59	288
2025 Aug 23 (Sat)	05:48	75	12:15	89S	18:39	282
2025 Aug 24 (Sun)	06:39	81	12:59	83S	19:16	276
2025 Aug 25 (Mon)	07:29	88	13:41	76S	19:50	269
2025 Aug 26 (Tue)	08:16	94	14:22	70S	20:24	263

2025 Aug 27 (Wed)	09:04 100	15:03 64S	20:59 257
2025 Aug 28 (Thu)	09:51 106	15:45 59S	21:35 252
2025 Aug 29 (Fri)	10:40 111	16:28 54S	22:14 247
2025 Aug 30 (Sat)	11:31 115	17:15 51S	22:56 244
2025 Aug 31 (Sun)	12:24 118	18:04 48S	23:43 241
2025 Sep 01 (Mon)	13:18 119	18:56 47S	
2025 Sep 02 (Tue)	14:11 120	19:50 47S	00:34 240
2025 Sep 03 (Wed)	15:04 118	20:44 49S	01:29 241
2025 Sep 04 (Thu)	15:54 115	21:38 52S	02:26 243
2025 Sep 05 (Fri)	16:40 111	22:29 57S	03:24 247
2025 Sep 06 (Sat)	17:24 105	23:19 62S	04:21 252
2025 Sep 07 (Sun)	18:05 98		05:18 258
2025 Sep 08 (Mon)	18:46 91	00:08 69S	06:14 265
2025 Sep 09 (Tue)	19:27 84	00:56 76S	07:11 273
2025 Sep 10 (Wed)	20:10 77	01:46 84S	08:08 280
2025 Sep 11 (Thu)	20:56 70	02:37 90S	09:08 287
2025 Sep 12 (Fri)	21:47 65	03:31 85N	10:10 293
2025 Sep 13 (Sat)	22:43 62	04:29 80N	11:15 297
2025 Sep 14 (Sun)	23:43 60	05:30 78N	12:19 299
2025 Sep 15 (Mon)		06:32 77N	13:22 300
2025 Sep 16 (Tue)	00:45 61	07:33 78N	14:19 298
2025 Sep 17 (Wed)	01:46 64	08:30 81N	15:11 294
2025 Sep 18 (Thu)	02:45 68	09:23 85N	15:56 290
2025 Sep 19 (Fri)	03:41 73	10:11 91N	16:37 284
2025 Sep 20 (Sat)	04:33 79	10:55 85S	17:14 278
2025 Sep 21 (Sun)	05:22 85	11:38 79S	17:49 272
2025 Sep 22 (Mon)	06:10 91	12:18 73S	18:23 265
2025 Sep 23 (Tue)	06:57 98	12:59 67S	18:58 259
2025 Sep 24 (Wed)	07:45 103	13:40 61S	19:33 254
2025 Sep 25 (Thu)	08:33 109	14:23 56S	20:11 249
2025 Sep 26 (Fri)	09:24 113	15:09 52S	20:52 245
2025 Sep 27 (Sat)	10:15 117	15:57 49S	21:37 242
2025 Sep 28 (Sun)	11:08 119	16:47 47S	22:25 241
2025 Sep 29 (Mon)	12:02 120	17:40 47S	23:18 240
2025 Sep 30 (Tue)	12:54 119	18:33 48S	
2025 Oct 01 (Wed)	13:43 117	19:25 50S	00:13 242
2025 Oct 02 (Thu)	14:30 113	20:17 54S	01:09 245
2025 Oct 03 (Fri)	15:14 108	21:07 59S	02:06 249
2025 Oct 04 (Sat)	15:56 102	21:55 66S	03:02 255
2025 Oct 05 (Sun)	16:37 95	22:44 73S	03:58 262
2025 Oct 06 (Mon)	17:18 87	23:33 80S	04:54 269
2025 Oct 07 (Tue)	18:01 80		05:52 276
2025 Oct 08 (Wed)	18:47 73	00:24 87S	06:52 284
2025 Oct 09 (Thu)	19:38 67	01:19 88N	07:55 290
2025 Oct 10 (Fri)	20:34 63	02:18 82N	09:01 295
2025 Oct 11 (Sat)	21:34 61	03:20 78N	10:09 299
2025 Oct 12 (Sun)	22:38 61	04:24 77N	11:14 300
2025 Oct 13 (Mon)	23:41 63	05:27 77N	12:14 298
2025 Oct 14 (Tue)		06:26 80N	13:08 296
2025 Oct 15 (Wed)	00:41 66	07:20 84N	13:56 291
2025 Oct 16 (Thu)	01:37 71	08:09 89N	14:37 286
2025 Oct 17 (Fri)	02:30 77	08:54 87S	15:15 280
2025 Oct 18 (Sat)	03:19 83	09:37 81S	15:50 274
2025 Oct 19 (Sun)	04:07 89	10:17 75S	16:24 268
2025 Oct 20 (Mon)	04:54 96	10:57 69S	16:58 262
2025 Oct 21 (Tue)	05:41 101	11:38 63S	17:33 256
2025 Oct 22 (Wed)	06:29 107	12:21 58S	18:10 251
2025 Oct 23 (Thu)	07:18 112	13:05 53S	18:50 246
2025 Oct 24 (Fri)	08:09 115	13:52 50S	19:33 243
2025 Oct 25 (Sat)	09:02 118	14:42 48S	20:20 241
2025 Oct 26 (Sun)	09:55 119	15:33 47S	21:11 240
2025 Oct 27 (Mon)	10:47 119	16:25 47S	22:04 241
2025 Oct 28 (Tue)	11:36 118	17:17 49S	22:59 244
2025 Oct 29 (Wed)	12:23 115	18:07 52S	23:54 247
2025 Oct 30 (Thu)	13:07 110	18:56 57S	
2025 Oct 31 (Fri)	13:49 105	19:44 63S	00:48 252
2025 Nov 01 (Sat)	14:29 98	20:31 69S	01:43 258

2025 Nov 02 (Sun)	15:08	91	21:19	76S	02:37	265
2025 Nov 03 (Mon)	15:50	84	22:08	83S	03:33	273
2025 Nov 04 (Tue)	16:34	77	23:01	90S	04:31	280
2025 Nov 05 (Wed)	17:22	70	23:59	85N	05:33	287
2025 Nov 06 (Thu)	18:17	65			06:39	293
2025 Nov 07 (Fri)	19:18	62	01:01	80N	07:48	297
2025 Nov 08 (Sat)	20:23	61	02:07	78N	08:57	299
2025 Nov 09 (Sun)	21:29	62	03:13	77N	10:02	299
2025 Nov 10 (Mon)	22:32	65	04:16	79N	11:01	297
2025 Nov 11 (Tue)	23:31	70	05:14	83N	11:52	293
2025 Nov 12 (Wed)			06:06	87N	12:36	287
2025 Nov 13 (Thu)	00:26	75	06:53	89S	13:16	282
2025 Nov 14 (Fri)	01:17	81	07:36	83S	13:52	276
2025 Nov 15 (Sat)	02:05	88	08:17	76S	14:26	269
2025 Nov 16 (Sun)	02:51	94	08:57	70S	15:00	263
2025 Nov 17 (Mon)	03:38	100	09:37	65S	15:34	258
2025 Nov 18 (Tue)	04:25	105	10:19	59S	16:10	252
2025 Nov 19 (Wed)	05:14	110	11:03	55S	16:49	248
2025 Nov 20 (Thu)	06:05	114	11:49	51S	17:31	244
2025 Nov 21 (Fri)	06:57	117	12:38	48S	18:17	242
2025 Nov 22 (Sat)	07:50	119	13:29	47S	19:07	241
2025 Nov 23 (Sun)	08:42	119	14:21	47S	20:00	241
2025 Nov 24 (Mon)	09:33	118	15:12	49S	20:54	243
2025 Nov 25 (Tue)	10:20	115	16:03	51S	21:48	246
2025 Nov 26 (Wed)	11:04	112	16:51	56S	22:41	251
2025 Nov 27 (Thu)	11:45	107	17:38	61S	23:34	256
2025 Nov 28 (Fri)	12:24	101	18:23	67S		
2025 Nov 29 (Sat)	13:02	94	19:09	73S	00:26	262
2025 Nov 30 (Sun)	13:41	87	19:55	80S	01:19	269
2025 Dec 01 (Mon)	14:22	80	20:45	87S	02:14	276
2025 Dec 02 (Tue)	15:07	73	21:38	88N	03:12	283
2025 Dec 03 (Wed)	15:58	68	22:38	82N	04:14	290
2025 Dec 04 (Thu)	16:55	63	23:42	79N	05:21	295
2025 Dec 05 (Fri)	17:59	61			06:31	298
2025 Dec 06 (Sat)	19:07	61	00:49	77N	07:40	299
2025 Dec 07 (Sun)	20:14	64	01:56	78N	08:44	298
2025 Dec 08 (Mon)	21:18	68	02:59	81N	09:41	294
2025 Dec 09 (Tue)	22:16	73	03:56	85N	10:30	289
2025 Dec 10 (Wed)	23:10	79	04:46	91S	11:13	284
2025 Dec 11 (Thu)			05:32	85S	11:51	278
2025 Dec 12 (Fri)	00:00	86	06:15	78S	12:26	271
2025 Dec 13 (Sat)	00:48	92	06:56	72S	13:00	265
2025 Dec 14 (Sun)	01:35	98	07:36	66S	13:34	259
2025 Dec 15 (Mon)	02:22	104	08:17	61S	14:10	254
2025 Dec 16 (Tue)	03:10	109	09:00	56S	14:48	249
2025 Dec 17 (Wed)	04:00	113	09:46	52S	15:29	245
2025 Dec 18 (Thu)	04:52	116	10:34	49S	16:14	242
2025 Dec 19 (Fri)	05:45	119	11:24	47S	17:03	241
2025 Dec 20 (Sat)	06:38	119	12:16	47S	17:55	241
2025 Dec 21 (Sun)	07:29	119	13:09	48S	18:49	242
2025 Dec 22 (Mon)	08:18	116	14:00	51S	19:44	245
2025 Dec 23 (Tue)	09:03	113	14:49	54S	20:38	249
2025 Dec 24 (Wed)	09:45	108	15:36	59S	21:30	255
2025 Dec 25 (Thu)	10:24	102	16:21	65S	22:22	261
2025 Dec 26 (Fri)	11:01	96	17:05	71S	23:13	267
2025 Dec 27 (Sat)	11:39	89	17:50	78S		
2025 Dec 28 (Sun)	12:17	83	18:36	85S	00:05	274
2025 Dec 29 (Mon)	12:59	76	19:26	90N	00:59	281
2025 Dec 30 (Tue)	13:45	70	20:20	85N	01:57	287
2025 Dec 31 (Wed)	14:37	65	21:20	80N	03:00	293