

Sun

VTDT

Location: E101°09'00.0", N 6°47'00.0", 8m
(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)	05:38	06:27 113		12:19 61S	18:11 247		19:00
2025 Jan 02 (Thu)	05:39	06:27 113		12:19 61S	18:12 247		19:00
2025 Jan 03 (Fri)	05:39	06:28 113		12:20 61S	18:12 247		19:01
2025 Jan 04 (Sat)	05:39	06:28 113		12:20 61S	18:13 247		19:01
2025 Jan 05 (Sun)	05:40	06:28 113		12:21 61S	18:13 247		19:02
2025 Jan 06 (Mon)	05:40	06:29 113		12:21 61S	18:14 248		19:02
2025 Jan 07 (Tue)	05:41	06:29 112		12:22 62S	18:14 248		19:03
2025 Jan 08 (Wed)	05:41	06:30 112		12:22 62S	18:15 248		19:03
2025 Jan 09 (Thu)	05:41	06:30 112		12:23 62S	18:15 248		19:04
2025 Jan 10 (Fri)	05:42	06:30 112		12:23 62S	18:16 248		19:04
2025 Jan 11 (Sat)	05:42	06:31 112		12:23 62S	18:16 248		19:04
2025 Jan 12 (Sun)	05:43	06:31 112		12:24 62S	18:17 248		19:05
2025 Jan 13 (Mon)	05:43	06:31 112		12:24 62S	18:17 249		19:05
2025 Jan 14 (Tue)	05:43	06:31 111		12:24 63S	18:18 249		19:06
2025 Jan 15 (Wed)	05:44	06:32 111		12:25 63S	18:18 249		19:06
2025 Jan 16 (Thu)	05:44	06:32 111		12:25 63S	18:18 249		19:06
2025 Jan 17 (Fri)	05:44	06:32 111		12:25 63S	18:19 249		19:07
2025 Jan 18 (Sat)	05:44	06:32 111		12:26 63S	18:19 250		19:07
2025 Jan 19 (Sun)	05:45	06:33 110		12:26 64S	18:20 250		19:07
2025 Jan 20 (Mon)	05:45	06:33 110		12:26 64S	18:20 250		19:08
2025 Jan 21 (Tue)	05:45	06:33 110		12:27 64S	18:21 250		19:08
2025 Jan 22 (Wed)	05:45	06:33 110		12:27 64S	18:21 250		19:08
2025 Jan 23 (Thu)	05:46	06:33 109		12:27 65S	18:21 251		19:09
2025 Jan 24 (Fri)	05:46	06:33 109		12:27 65S	18:22 251		19:09
2025 Jan 25 (Sat)	05:46	06:33 109		12:28 65S	18:22 251		19:09
2025 Jan 26 (Sun)	05:46	06:34 109		12:28 65S	18:22 251		19:10
2025 Jan 27 (Mon)	05:46	06:34 108		12:28 66S	18:23 252		19:10
2025 Jan 28 (Tue)	05:46	06:34 108		12:28 66S	18:23 252		19:10
2025 Jan 29 (Wed)	05:47	06:34 108		12:28 66S	18:23 252		19:10
2025 Jan 30 (Thu)	05:47	06:34 108		12:29 66S	18:24 252		19:11
2025 Jan 31 (Fri)	05:47	06:34 107		12:29 67S	18:24 253		19:11
2025 Feb 01 (Sat)	05:47	06:34 107		12:29 67S	18:24 253		19:11
2025 Feb 02 (Sun)	05:47	06:34 107		12:29 67S	18:24 253		19:11
2025 Feb 03 (Mon)	05:47	06:34 107		12:29 67S	18:25 254		19:11
2025 Feb 04 (Tue)	05:47	06:34 106		12:29 68S	18:25 254		19:12
2025 Feb 05 (Wed)	05:47	06:34 106		12:29 68S	18:25 254		19:12
2025 Feb 06 (Thu)	05:47	06:34 106		12:29 68S	18:25 255		19:12
2025 Feb 07 (Fri)	05:47	06:33 105		12:30 69S	18:26 255		19:12
2025 Feb 08 (Sat)	05:47	06:33 105		12:30 69S	18:26 255		19:12
2025 Feb 09 (Sun)	05:47	06:33 105		12:30 69S	18:26 255		19:12
2025 Feb 10 (Mon)	05:47	06:33 104		12:30 70S	18:26 256		19:12
2025 Feb 11 (Tue)	05:47	06:33 104		12:30 70S	18:26 256		19:13
2025 Feb 12 (Wed)	05:47	06:33 104		12:30 70S	18:26 256		19:13
2025 Feb 13 (Thu)	05:46	06:33 103		12:30 71S	18:27 257		19:13
2025 Feb 14 (Fri)	05:46	06:32 103		12:30 71S	18:27 257		19:13
2025 Feb 15 (Sat)	05:46	06:32 103		12:29 71S	18:27 258		19:13
2025 Feb 16 (Sun)	05:46	06:32 102		12:29 72S	18:27 258		19:13
2025 Feb 17 (Mon)	05:46	06:32 102		12:29 72S	18:27 258		19:13
2025 Feb 18 (Tue)	05:46	06:31 102		12:29 72S	18:27 259		19:13
2025 Feb 19 (Wed)	05:45	06:31 101		12:29 73S	18:27 259		19:13
2025 Feb 20 (Thu)	05:45	06:31 101		12:29 73S	18:27 259		19:13
2025 Feb 21 (Fri)	05:45	06:31 101		12:29 73S	18:27 260		19:13
2025 Feb 22 (Sat)	05:45	06:30 100		12:29 74S	18:27 260		19:13
2025 Feb 23 (Sun)	05:45	06:30 100		12:29 74S	18:27 260		19:13
2025 Feb 24 (Mon)	05:44	06:30 99		12:29 75S	18:27 261		19:13

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

2025	May	03	(Sat)	05:14	06:01	74	12:12	82N	18:23	286	19:10
2025	May	04	(Sun)	05:14	06:01	74	12:12	81N	18:24	286	19:11
2025	May	05	(Mon)	05:14	06:01	74	12:12	81N	18:24	287	19:11
2025	May	06	(Tue)	05:13	06:00	73	12:12	81N	18:24	287	19:11
2025	May	07	(Wed)	05:13	06:00	73	12:12	81N	18:24	287	19:11
2025	May	08	(Thu)	05:13	06:00	73	12:12	80N	18:24	287	19:11
2025	May	09	(Fri)	05:12	06:00	72	12:12	80N	18:24	288	19:11
2025	May	10	(Sat)	05:12	06:00	72	12:12	80N	18:24	288	19:12
2025	May	11	(Sun)	05:12	05:59	72	12:12	80N	18:24	288	19:12
2025	May	12	(Mon)	05:12	05:59	72	12:12	79N	18:24	289	19:12
2025	May	13	(Tue)	05:11	05:59	71	12:12	79N	18:24	289	19:12
2025	May	14	(Wed)	05:11	05:59	71	12:12	79N	18:25	289	19:12
2025	May	15	(Thu)	05:11	05:59	71	12:12	79N	18:25	289	19:13
2025	May	16	(Fri)	05:11	05:59	71	12:12	78N	18:25	289	19:13
2025	May	17	(Sat)	05:11	05:59	70	12:12	78N	18:25	290	19:13
2025	May	18	(Sun)	05:10	05:59	70	12:12	78N	18:25	290	19:13
2025	May	19	(Mon)	05:10	05:59	70	12:12	78N	18:25	290	19:13
2025	May	20	(Tue)	05:10	05:58	70	12:12	77N	18:25	290	19:14
2025	May	21	(Wed)	05:10	05:58	70	12:12	77N	18:26	291	19:14
2025	May	22	(Thu)	05:10	05:58	69	12:12	77N	18:26	291	19:14
2025	May	23	(Fri)	05:10	05:58	69	12:12	77N	18:26	291	19:15
2025	May	24	(Sat)	05:10	05:58	69	12:12	77N	18:26	291	19:15
2025	May	25	(Sun)	05:10	05:58	69	12:12	76N	18:26	291	19:15
2025	May	26	(Mon)	05:10	05:58	69	12:12	76N	18:27	291	19:15
2025	May	27	(Tue)	05:10	05:58	68	12:13	76N	18:27	292	19:16
2025	May	28	(Wed)	05:10	05:58	68	12:13	76N	18:27	292	19:16
2025	May	29	(Thu)	05:10	05:58	68	12:13	76N	18:27	292	19:16
2025	May	30	(Fri)	05:10	05:58	68	12:13	76N	18:28	292	19:16
2025	May	31	(Sat)	05:10	05:58	68	12:13	76N	18:28	292	19:17
2025	Jun	01	(Sun)	05:10	05:59	68	12:13	75N	18:28	292	19:17
2025	Jun	02	(Mon)	05:10	05:59	68	12:13	75N	18:28	293	19:17
2025	Jun	03	(Tue)	05:10	05:59	67	12:14	75N	18:28	293	19:18
2025	Jun	04	(Wed)	05:10	05:59	67	12:14	75N	18:29	293	19:18
2025	Jun	05	(Thu)	05:10	05:59	67	12:14	75N	18:29	293	19:18
2025	Jun	06	(Fri)	05:10	05:59	67	12:14	75N	18:29	293	19:18
2025	Jun	07	(Sat)	05:10	05:59	67	12:14	75N	18:29	293	19:19
2025	Jun	08	(Sun)	05:10	05:59	67	12:14	75N	18:30	293	19:19
2025	Jun	09	(Mon)	05:10	05:59	67	12:15	75N	18:30	293	19:19
2025	Jun	10	(Tue)	05:10	06:00	67	12:15	74N	18:30	293	19:20
2025	Jun	11	(Wed)	05:10	06:00	67	12:15	74N	18:30	293	19:20
2025	Jun	12	(Thu)	05:11	06:00	67	12:15	74N	18:31	293	19:20
2025	Jun	13	(Fri)	05:11	06:00	67	12:15	74N	18:31	294	19:20
2025	Jun	14	(Sat)	05:11	06:00	66	12:16	74N	18:31	294	19:21
2025	Jun	15	(Sun)	05:11	06:00	66	12:16	74N	18:31	294	19:21
2025	Jun	16	(Mon)	05:11	06:01	66	12:16	74N	18:32	294	19:21
2025	Jun	17	(Tue)	05:11	06:01	66	12:16	74N	18:32	294	19:21
2025	Jun	18	(Wed)	05:12	06:01	66	12:17	74N	18:32	294	19:22
2025	Jun	19	(Thu)	05:12	06:01	66	12:17	74N	18:32	294	19:22
2025	Jun	20	(Fri)	05:12	06:01	66	12:17	74N	18:32	294	19:22
2025	Jun	21	(Sat)	05:12	06:02	66	12:17	74N	18:33	294	19:22
2025	Jun	22	(Sun)	05:12	06:02	66	12:17	74N	18:33	294	19:22
2025	Jun	23	(Mon)	05:13	06:02	66	12:18	74N	18:33	294	19:23
2025	Jun	24	(Tue)	05:13	06:02	66	12:18	74N	18:33	294	19:23
2025	Jun	25	(Wed)	05:13	06:03	66	12:18	74N	18:34	294	19:23
2025	Jun	26	(Thu)	05:13	06:03	66	12:18	74N	18:34	294	19:23
2025	Jun	27	(Fri)	05:14	06:03	66	12:18	74N	18:34	294	19:23
2025	Jun	28	(Sat)	05:14	06:03	66	12:19	74N	18:34	294	19:24
2025	Jun	29	(Sun)	05:14	06:04	66	12:19	74N	18:34	293	19:24
2025	Jun	30	(Mon)	05:14	06:04	67	12:19	74N	18:34	293	19:24
2025	Jul	01	(Tue)	05:15	06:04	67	12:19	74N	18:35	293	19:24
2025	Jul	02	(Wed)	05:15	06:04	67	12:19	74N	18:35	293	19:24
2025	Jul	03	(Thu)	05:15	06:04	67	12:20	75N	18:35	293	19:24
2025	Jul	04	(Fri)	05:15	06:05	67	12:20	75N	18:35	293	19:24
2025	Jul	05	(Sat)	05:16	06:05	67	12:20	75N	18:35	293	19:24
2025	Jul	06	(Sun)	05:16	06:05	67	12:20	75N	18:35	293	19:24
2025	Jul	07	(Mon)	05:16	06:05	67	12:20	75N	18:35	293	19:24
2025	Jul	08	(Tue)	05:16	06:06	67	12:21	75N	18:35	293	19:25

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

2025 Sep 14 (Sun)	05:21	06:06	86	12:11	87S	18:16	273	19:01
2025 Sep 15 (Mon)	05:21	06:06	87	12:11	87S	18:15	273	19:00
2025 Sep 16 (Tue)	05:21	06:06	87	12:10	86S	18:15	273	19:00
2025 Sep 17 (Wed)	05:21	06:06	88	12:10	86S	18:14	272	18:59
2025 Sep 18 (Thu)	05:20	06:05	88	12:10	86S	18:14	272	18:59
2025 Sep 19 (Fri)	05:20	06:05	88	12:09	85S	18:13	271	18:58
2025 Sep 20 (Sat)	05:20	06:05	89	12:09	85S	18:13	271	18:58
2025 Sep 21 (Sun)	05:20	06:05	89	12:08	85S	18:12	271	18:57
2025 Sep 22 (Mon)	05:20	06:05	90	12:08	84S	18:11	270	18:56
2025 Sep 23 (Tue)	05:20	06:05	90	12:08	84S	18:11	270	18:56
2025 Sep 24 (Wed)	05:19	06:04	90	12:07	83S	18:10	269	18:55
2025 Sep 25 (Thu)	05:19	06:04	91	12:07	83S	18:10	269	18:55
2025 Sep 26 (Fri)	05:19	06:04	91	12:07	83S	18:09	269	18:54
2025 Sep 27 (Sat)	05:19	06:04	92	12:06	82S	18:09	268	18:54
2025 Sep 28 (Sun)	05:19	06:04	92	12:06	82S	18:08	268	18:53
2025 Sep 29 (Mon)	05:19	06:04	92	12:06	81S	18:08	267	18:53
2025 Sep 30 (Tue)	05:18	06:03	93	12:05	81S	18:07	267	18:52
2025 Oct 01 (Wed)	05:18	06:03	93	12:05	81S	18:07	267	18:52
2025 Oct 02 (Thu)	05:18	06:03	94	12:05	80S	18:06	266	18:51
2025 Oct 03 (Fri)	05:18	06:03	94	12:04	80S	18:06	266	18:51
2025 Oct 04 (Sat)	05:18	06:03	94	12:04	79S	18:05	266	18:50
2025 Oct 05 (Sun)	05:18	06:03	95	12:04	79S	18:05	265	18:50
2025 Oct 06 (Mon)	05:18	06:03	95	12:04	79S	18:04	265	18:49
2025 Oct 07 (Tue)	05:17	06:03	95	12:03	78S	18:04	264	18:49
2025 Oct 08 (Wed)	05:17	06:02	96	12:03	78S	18:03	264	18:49
2025 Oct 09 (Thu)	05:17	06:02	96	12:03	78S	18:03	264	18:48
2025 Oct 10 (Fri)	05:17	06:02	97	12:02	77S	18:02	263	18:48
2025 Oct 11 (Sat)	05:17	06:02	97	12:02	77S	18:02	263	18:47
2025 Oct 12 (Sun)	05:17	06:02	97	12:02	76S	18:02	262	18:47
2025 Oct 13 (Mon)	05:17	06:02	98	12:02	76S	18:01	262	18:47
2025 Oct 14 (Tue)	05:17	06:02	98	12:01	76S	18:01	262	18:46
2025 Oct 15 (Wed)	05:17	06:02	98	12:01	75S	18:00	261	18:46
2025 Oct 16 (Thu)	05:16	06:02	99	12:01	75S	18:00	261	18:45
2025 Oct 17 (Fri)	05:16	06:02	99	12:01	75S	18:00	261	18:45
2025 Oct 18 (Sat)	05:16	06:02	100	12:01	74S	17:59	260	18:45
2025 Oct 19 (Sun)	05:16	06:02	100	12:00	74S	17:59	260	18:44
2025 Oct 20 (Mon)	05:16	06:02	100	12:00	73S	17:59	260	18:44
2025 Oct 21 (Tue)	05:16	06:02	101	12:00	73S	17:58	259	18:44
2025 Oct 22 (Wed)	05:16	06:02	101	12:00	73S	17:58	259	18:44
2025 Oct 23 (Thu)	05:16	06:02	101	12:00	72S	17:58	258	18:43
2025 Oct 24 (Fri)	05:16	06:02	102	12:00	72S	17:57	258	18:43
2025 Oct 25 (Sat)	05:16	06:02	102	11:59	72S	17:57	258	18:43
2025 Oct 26 (Sun)	05:16	06:02	102	11:59	71S	17:57	257	18:43
2025 Oct 27 (Mon)	05:16	06:02	103	11:59	71S	17:56	257	18:42
2025 Oct 28 (Tue)	05:16	06:02	103	11:59	71S	17:56	257	18:42
2025 Oct 29 (Wed)	05:16	06:02	103	11:59	70S	17:56	256	18:42
2025 Oct 30 (Thu)	05:16	06:02	104	11:59	70S	17:56	256	18:42
2025 Oct 31 (Fri)	05:16	06:02	104	11:59	70S	17:56	256	18:42
2025 Nov 01 (Sat)	05:16	06:03	104	11:59	69S	17:55	255	18:42
2025 Nov 02 (Sun)	05:16	06:03	105	11:59	69S	17:55	255	18:42
2025 Nov 03 (Mon)	05:16	06:03	105	11:59	69S	17:55	255	18:42
2025 Nov 04 (Tue)	05:16	06:03	105	11:59	68S	17:55	254	18:41
2025 Nov 05 (Wed)	05:17	06:03	106	11:59	68S	17:55	254	18:41
2025 Nov 06 (Thu)	05:17	06:03	106	11:59	68S	17:55	254	18:41
2025 Nov 07 (Fri)	05:17	06:04	106	11:59	68S	17:55	254	18:41
2025 Nov 08 (Sat)	05:17	06:04	107	11:59	67S	17:54	253	18:41
2025 Nov 09 (Sun)	05:17	06:04	107	11:59	67S	17:54	253	18:41
2025 Nov 10 (Mon)	05:17	06:04	107	11:59	67S	17:54	253	18:41
2025 Nov 11 (Tue)	05:17	06:04	107	11:59	66S	17:54	252	18:41
2025 Nov 12 (Wed)	05:18	06:05	108	12:00	66S	17:54	252	18:41
2025 Nov 13 (Thu)	05:18	06:05	108	12:00	66S	17:54	252	18:42
2025 Nov 14 (Fri)	05:18	06:05	108	12:00	66S	17:54	252	18:42
2025 Nov 15 (Sat)	05:18	06:06	109	12:00	65S	17:54	251	18:42
2025 Nov 16 (Sun)	05:18	06:06	109	12:00	65S	17:54	251	18:42
2025 Nov 17 (Mon)	05:19	06:06	109	12:00	65S	17:55	251	18:42
2025 Nov 18 (Tue)	05:19	06:06	109	12:01	65S	17:55	251	18:42
2025 Nov 19 (Wed)	05:19	06:07	109	12:01	64S	17:55	250	18:42

2025 Nov 20 (Thu)	05:20	06:07	110	12:01	64S	17:55	250	18:42
2025 Nov 21 (Fri)	05:20	06:07	110	12:01	64S	17:55	250	18:43
2025 Nov 22 (Sat)	05:20	06:08	110	12:02	64S	17:55	250	18:43
2025 Nov 23 (Sun)	05:20	06:08	110	12:02	64S	17:55	250	18:43
2025 Nov 24 (Mon)	05:21	06:09	111	12:02	63S	17:55	249	18:43
2025 Nov 25 (Tue)	05:21	06:09	111	12:02	63S	17:56	249	18:44
2025 Nov 26 (Wed)	05:21	06:09	111	12:03	63S	17:56	249	18:44
2025 Nov 27 (Thu)	05:22	06:10	111	12:03	63S	17:56	249	18:44
2025 Nov 28 (Fri)	05:22	06:10	111	12:03	63S	17:56	249	18:45
2025 Nov 29 (Sat)	05:23	06:11	112	12:04	62S	17:57	248	18:45
2025 Nov 30 (Sun)	05:23	06:11	112	12:04	62S	17:57	248	18:45
2025 Dec 01 (Mon)	05:23	06:12	112	12:04	62S	17:57	248	18:45
2025 Dec 02 (Tue)	05:24	06:12	112	12:05	62S	17:57	248	18:46
2025 Dec 03 (Wed)	05:24	06:13	112	12:05	62S	17:58	248	18:46
2025 Dec 04 (Thu)	05:25	06:13	112	12:06	62S	17:58	248	18:47
2025 Dec 05 (Fri)	05:25	06:13	112	12:06	62S	17:58	248	18:47
2025 Dec 06 (Sat)	05:25	06:14	113	12:06	61S	17:59	247	18:47
2025 Dec 07 (Sun)	05:26	06:14	113	12:07	61S	17:59	247	18:48
2025 Dec 08 (Mon)	05:26	06:15	113	12:07	61S	18:00	247	18:48
2025 Dec 09 (Tue)	05:27	06:15	113	12:08	61S	18:00	247	18:49
2025 Dec 10 (Wed)	05:27	06:16	113	12:08	61S	18:00	247	18:49
2025 Dec 11 (Thu)	05:28	06:16	113	12:09	61S	18:01	247	18:49
2025 Dec 12 (Fri)	05:28	06:17	113	12:09	61S	18:01	247	18:50
2025 Dec 13 (Sat)	05:29	06:17	113	12:10	61S	18:02	247	18:50
2025 Dec 14 (Sun)	05:29	06:18	113	12:10	61S	18:02	247	18:51
2025 Dec 15 (Mon)	05:30	06:18	113	12:10	61S	18:03	247	18:51
2025 Dec 16 (Tue)	05:30	06:19	113	12:11	61S	18:03	247	18:52
2025 Dec 17 (Wed)	05:31	06:19	113	12:11	61S	18:03	247	18:52
2025 Dec 18 (Thu)	05:31	06:20	113	12:12	61S	18:04	247	18:53
2025 Dec 19 (Fri)	05:32	06:20	113	12:12	61S	18:04	247	18:53
2025 Dec 20 (Sat)	05:32	06:21	113	12:13	60S	18:05	246	18:54
2025 Dec 21 (Sun)	05:33	06:21	114	12:13	60S	18:05	246	18:54
2025 Dec 22 (Mon)	05:33	06:22	114	12:14	60S	18:06	246	18:55
2025 Dec 23 (Tue)	05:34	06:22	114	12:14	60S	18:06	247	18:55
2025 Dec 24 (Wed)	05:34	06:23	113	12:15	61S	18:07	247	18:56
2025 Dec 25 (Thu)	05:35	06:23	113	12:15	61S	18:07	247	18:56
2025 Dec 26 (Fri)	05:35	06:24	113	12:16	61S	18:08	247	18:57
2025 Dec 27 (Sat)	05:36	06:24	113	12:16	61S	18:08	247	18:57
2025 Dec 28 (Sun)	05:36	06:25	113	12:17	61S	18:09	247	18:58
2025 Dec 29 (Mon)	05:37	06:25	113	12:17	61S	18:09	247	18:58
2025 Dec 30 (Tue)	05:37	06:26	113	12:18	61S	18:10	247	18:59
2025 Dec 31 (Wed)	05:37	06:26	113	12:18	61S	18:11	247	18:59

Sun

VTDT

Location: E101°09'00.0", N 6°47'00.0", 8m
(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)	06:04	06:27	113	12:19	61S	18:11	247	18:34
2025 Jan 02 (Thu)	06:05	06:27	113	12:19	61S	18:12	247	18:34
2025 Jan 03 (Fri)	06:05	06:28	113	12:20	61S	18:12	247	18:35
2025 Jan 04 (Sat)	06:05	06:28	113	12:20	61S	18:13	247	18:35
2025 Jan 05 (Sun)	06:06	06:28	113	12:21	61S	18:13	247	18:36
2025 Jan 06 (Mon)	06:06	06:29	113	12:21	61S	18:14	248	18:36
2025 Jan 07 (Tue)	06:07	06:29	112	12:22	62S	18:14	248	18:37
2025 Jan 08 (Wed)	06:07	06:30	112	12:22	62S	18:15	248	18:37
2025 Jan 09 (Thu)	06:07	06:30	112	12:23	62S	18:15	248	18:38
2025 Jan 10 (Fri)	06:08	06:30	112	12:23	62S	18:16	248	18:38
2025 Jan 11 (Sat)	06:08	06:31	112	12:23	62S	18:16	248	18:39
2025 Jan 12 (Sun)	06:08	06:31	112	12:24	62S	18:17	248	18:39

2025	Jan	13	(Mon)	06:09	06:31	112	12:24	62S	18:17	249	18:39
2025	Jan	14	(Tue)	06:09	06:31	111	12:24	63S	18:18	249	18:40
2025	Jan	15	(Wed)	06:09	06:32	111	12:25	63S	18:18	249	18:40
2025	Jan	16	(Thu)	06:10	06:32	111	12:25	63S	18:18	249	18:41
2025	Jan	17	(Fri)	06:10	06:32	111	12:25	63S	18:19	249	18:41
2025	Jan	18	(Sat)	06:10	06:32	111	12:26	63S	18:19	250	18:41
2025	Jan	19	(Sun)	06:10	06:33	110	12:26	64S	18:20	250	18:42
2025	Jan	20	(Mon)	06:11	06:33	110	12:26	64S	18:20	250	18:42
2025	Jan	21	(Tue)	06:11	06:33	110	12:27	64S	18:21	250	18:43
2025	Jan	22	(Wed)	06:11	06:33	110	12:27	64S	18:21	250	18:43
2025	Jan	23	(Thu)	06:11	06:33	109	12:27	65S	18:21	251	18:43
2025	Jan	24	(Fri)	06:11	06:33	109	12:27	65S	18:22	251	18:44
2025	Jan	25	(Sat)	06:11	06:33	109	12:28	65S	18:22	251	18:44
2025	Jan	26	(Sun)	06:12	06:34	109	12:28	65S	18:22	251	18:44
2025	Jan	27	(Mon)	06:12	06:34	108	12:28	66S	18:23	252	18:45
2025	Jan	28	(Tue)	06:12	06:34	108	12:28	66S	18:23	252	18:45
2025	Jan	29	(Wed)	06:12	06:34	108	12:28	66S	18:23	252	18:45
2025	Jan	30	(Thu)	06:12	06:34	108	12:29	66S	18:24	252	18:45
2025	Jan	31	(Fri)	06:12	06:34	107	12:29	67S	18:24	253	18:46
2025	Feb	01	(Sat)	06:12	06:34	107	12:29	67S	18:24	253	18:46
2025	Feb	02	(Sun)	06:12	06:34	107	12:29	67S	18:24	253	18:46
2025	Feb	03	(Mon)	06:12	06:34	107	12:29	67S	18:25	254	18:46
2025	Feb	04	(Tue)	06:12	06:34	106	12:29	68S	18:25	254	18:47
2025	Feb	05	(Wed)	06:12	06:34	106	12:29	68S	18:25	254	18:47
2025	Feb	06	(Thu)	06:12	06:34	106	12:29	68S	18:25	255	18:47
2025	Feb	07	(Fri)	06:12	06:33	105	12:30	69S	18:26	255	18:47
2025	Feb	08	(Sat)	06:12	06:33	105	12:30	69S	18:26	255	18:47
2025	Feb	09	(Sun)	06:12	06:33	105	12:30	69S	18:26	255	18:47
2025	Feb	10	(Mon)	06:12	06:33	104	12:30	70S	18:26	256	18:48
2025	Feb	11	(Tue)	06:12	06:33	104	12:30	70S	18:26	256	18:48
2025	Feb	12	(Wed)	06:11	06:33	104	12:30	70S	18:26	256	18:48
2025	Feb	13	(Thu)	06:11	06:33	103	12:30	71S	18:27	257	18:48
2025	Feb	14	(Fri)	06:11	06:32	103	12:30	71S	18:27	257	18:48
2025	Feb	15	(Sat)	06:11	06:32	103	12:29	71S	18:27	258	18:48
2025	Feb	16	(Sun)	06:11	06:32	102	12:29	72S	18:27	258	18:48
2025	Feb	17	(Mon)	06:10	06:32	102	12:29	72S	18:27	258	18:48
2025	Feb	18	(Tue)	06:10	06:31	102	12:29	72S	18:27	259	18:48
2025	Feb	19	(Wed)	06:10	06:31	101	12:29	73S	18:27	259	18:48
2025	Feb	20	(Thu)	06:10	06:31	101	12:29	73S	18:27	259	18:48
2025	Feb	21	(Fri)	06:10	06:31	101	12:29	73S	18:27	260	18:48
2025	Feb	22	(Sat)	06:09	06:30	100	12:29	74S	18:27	260	18:49
2025	Feb	23	(Sun)	06:09	06:30	100	12:29	74S	18:27	260	18:49
2025	Feb	24	(Mon)	06:09	06:30	99	12:29	75S	18:27	261	18:49
2025	Feb	25	(Tue)	06:08	06:29	99	12:28	75S	18:28	261	18:49
2025	Feb	26	(Wed)	06:08	06:29	99	12:28	75S	18:28	262	18:49
2025	Feb	27	(Thu)	06:08	06:29	98	12:28	76S	18:28	262	18:49
2025	Feb	28	(Fri)	06:07	06:28	98	12:28	76S	18:28	262	18:48
2025	Mar	01	(Sat)	06:07	06:28	98	12:28	76S	18:28	263	18:48
2025	Mar	02	(Sun)	06:07	06:28	97	12:28	77S	18:27	263	18:48
2025	Mar	03	(Mon)	06:06	06:27	97	12:27	77S	18:27	263	18:48
2025	Mar	04	(Tue)	06:06	06:27	96	12:27	78S	18:27	264	18:48
2025	Mar	05	(Wed)	06:06	06:26	96	12:27	78S	18:27	264	18:48
2025	Mar	06	(Thu)	06:05	06:26	96	12:27	78S	18:27	265	18:48
2025	Mar	07	(Fri)	06:05	06:26	95	12:26	79S	18:27	265	18:48
2025	Mar	08	(Sat)	06:04	06:25	95	12:26	79S	18:27	265	18:48
2025	Mar	09	(Sun)	06:04	06:25	94	12:26	80S	18:27	266	18:48
2025	Mar	10	(Mon)	06:03	06:24	94	12:26	80S	18:27	266	18:48
2025	Mar	11	(Tue)	06:03	06:24	94	12:25	80S	18:27	267	18:48
2025	Mar	12	(Wed)	06:03	06:23	93	12:25	81S	18:27	267	18:48
2025	Mar	13	(Thu)	06:02	06:23	93	12:25	81S	18:27	267	18:48
2025	Mar	14	(Fri)	06:02	06:23	92	12:25	81S	18:27	268	18:48
2025	Mar	15	(Sat)	06:01	06:22	92	12:24	82S	18:27	268	18:47
2025	Mar	16	(Sun)	06:01	06:22	92	12:24	82S	18:27	269	18:47
2025	Mar	17	(Mon)	06:00	06:21	91	12:24	83S	18:26	269	18:47
2025	Mar	18	(Tue)	06:00	06:21	91	12:23	83S	18:26	269	18:47
2025	Mar	19	(Wed)	05:59	06:20	90	12:23	83S	18:26	270	18:47
2025	Mar	20	(Thu)	05:59	06:20	90	12:23	84S	18:26	270	18:47

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

2025	May	27	(Tue)	05:36	05:58	68	12:13	76N	18:27	292	18:49
2025	May	28	(Wed)	05:36	05:58	68	12:13	76N	18:27	292	18:50
2025	May	29	(Thu)	05:36	05:58	68	12:13	76N	18:27	292	18:50
2025	May	30	(Fri)	05:36	05:58	68	12:13	76N	18:28	292	18:50
2025	May	31	(Sat)	05:36	05:58	68	12:13	76N	18:28	292	18:50
2025	Jun	01	(Sun)	05:36	05:59	68	12:13	75N	18:28	292	18:51
2025	Jun	02	(Mon)	05:36	05:59	68	12:13	75N	18:28	293	18:51
2025	Jun	03	(Tue)	05:36	05:59	67	12:14	75N	18:28	293	18:51
2025	Jun	04	(Wed)	05:36	05:59	67	12:14	75N	18:29	293	18:51
2025	Jun	05	(Thu)	05:36	05:59	67	12:14	75N	18:29	293	18:52
2025	Jun	06	(Fri)	05:36	05:59	67	12:14	75N	18:29	293	18:52
2025	Jun	07	(Sat)	05:36	05:59	67	12:14	75N	18:29	293	18:52
2025	Jun	08	(Sun)	05:37	05:59	67	12:14	75N	18:30	293	18:52
2025	Jun	09	(Mon)	05:37	05:59	67	12:15	75N	18:30	293	18:53
2025	Jun	10	(Tue)	05:37	06:00	67	12:15	74N	18:30	293	18:53
2025	Jun	11	(Wed)	05:37	06:00	67	12:15	74N	18:30	293	18:53
2025	Jun	12	(Thu)	05:37	06:00	67	12:15	74N	18:31	293	18:53
2025	Jun	13	(Fri)	05:37	06:00	67	12:15	74N	18:31	294	18:54
2025	Jun	14	(Sat)	05:37	06:00	66	12:16	74N	18:31	294	18:54
2025	Jun	15	(Sun)	05:38	06:00	66	12:16	74N	18:31	294	18:54
2025	Jun	16	(Mon)	05:38	06:01	66	12:16	74N	18:32	294	18:54
2025	Jun	17	(Tue)	05:38	06:01	66	12:16	74N	18:32	294	18:55
2025	Jun	18	(Wed)	05:38	06:01	66	12:17	74N	18:32	294	18:55
2025	Jun	19	(Thu)	05:38	06:01	66	12:17	74N	18:32	294	18:55
2025	Jun	20	(Fri)	05:39	06:01	66	12:17	74N	18:32	294	18:55
2025	Jun	21	(Sat)	05:39	06:02	66	12:17	74N	18:33	294	18:56
2025	Jun	22	(Sun)	05:39	06:02	66	12:17	74N	18:33	294	18:56
2025	Jun	23	(Mon)	05:39	06:02	66	12:18	74N	18:33	294	18:56
2025	Jun	24	(Tue)	05:40	06:02	66	12:18	74N	18:33	294	18:56
2025	Jun	25	(Wed)	05:40	06:03	66	12:18	74N	18:34	294	18:56
2025	Jun	26	(Thu)	05:40	06:03	66	12:18	74N	18:34	294	18:57
2025	Jun	27	(Fri)	05:40	06:03	66	12:18	74N	18:34	294	18:57
2025	Jun	28	(Sat)	05:40	06:03	66	12:19	74N	18:34	294	18:57
2025	Jun	29	(Sun)	05:41	06:04	66	12:19	74N	18:34	293	18:57
2025	Jun	30	(Mon)	05:41	06:04	67	12:19	74N	18:34	293	18:57
2025	Jul	01	(Tue)	05:41	06:04	67	12:19	74N	18:35	293	18:57
2025	Jul	02	(Wed)	05:41	06:04	67	12:19	74N	18:35	293	18:57
2025	Jul	03	(Thu)	05:42	06:04	67	12:20	75N	18:35	293	18:58
2025	Jul	04	(Fri)	05:42	06:05	67	12:20	75N	18:35	293	18:58
2025	Jul	05	(Sat)	05:42	06:05	67	12:20	75N	18:35	293	18:58
2025	Jul	06	(Sun)	05:42	06:05	67	12:20	75N	18:35	293	18:58
2025	Jul	07	(Mon)	05:43	06:05	67	12:20	75N	18:35	293	18:58
2025	Jul	08	(Tue)	05:43	06:06	67	12:21	75N	18:35	293	18:58
2025	Jul	09	(Wed)	05:43	06:06	67	12:21	75N	18:35	293	18:58
2025	Jul	10	(Thu)	05:43	06:06	67	12:21	75N	18:36	292	18:58
2025	Jul	11	(Fri)	05:44	06:06	68	12:21	75N	18:36	292	18:58
2025	Jul	12	(Sat)	05:44	06:06	68	12:21	76N	18:36	292	18:58
2025	Jul	13	(Sun)	05:44	06:07	68	12:21	76N	18:36	292	18:58
2025	Jul	14	(Mon)	05:44	06:07	68	12:21	76N	18:36	292	18:58
2025	Jul	15	(Tue)	05:45	06:07	68	12:21	76N	18:36	292	18:58
2025	Jul	16	(Wed)	05:45	06:07	68	12:22	76N	18:36	292	18:58
2025	Jul	17	(Thu)	05:45	06:07	69	12:22	76N	18:36	291	18:58
2025	Jul	18	(Fri)	05:45	06:08	69	12:22	77N	18:36	291	18:58
2025	Jul	19	(Sat)	05:45	06:08	69	12:22	77N	18:36	291	18:58
2025	Jul	20	(Sun)	05:46	06:08	69	12:22	77N	18:36	291	18:58
2025	Jul	21	(Mon)	05:46	06:08	69	12:22	77N	18:36	291	18:58
2025	Jul	22	(Tue)	05:46	06:08	69	12:22	77N	18:35	290	18:58
2025	Jul	23	(Wed)	05:46	06:08	70	12:22	77N	18:35	290	18:58
2025	Jul	24	(Thu)	05:46	06:09	70	12:22	78N	18:35	290	18:58
2025	Jul	25	(Fri)	05:46	06:09	70	12:22	78N	18:35	290	18:57
2025	Jul	26	(Sat)	05:47	06:09	70	12:22	78N	18:35	290	18:57
2025	Jul	27	(Sun)	05:47	06:09	71	12:22	78N	18:35	289	18:57
2025	Jul	28	(Mon)	05:47	06:09	71	12:22	79N	18:35	289	18:57
2025	Jul	29	(Tue)	05:47	06:09	71	12:22	79N	18:35	289	18:57
2025	Jul	30	(Wed)	05:47	06:09	71	12:22	79N	18:34	289	18:56
2025	Jul	31	(Thu)	05:47	06:09	72	12:22	79N	18:34	288	18:56
2025	Aug	01	(Fri)	05:47	06:09	72	12:22	80N	18:34	288	18:56

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

2025	Oct	08	(Wed)	05:42	06:02	96	12:03	78S	18:03	264	18:24
2025	Oct	09	(Thu)	05:41	06:02	96	12:03	78S	18:03	264	18:24
2025	Oct	10	(Fri)	05:41	06:02	97	12:02	77S	18:02	263	18:23
2025	Oct	11	(Sat)	05:41	06:02	97	12:02	77S	18:02	263	18:23
2025	Oct	12	(Sun)	05:41	06:02	97	12:02	76S	18:02	262	18:23
2025	Oct	13	(Mon)	05:41	06:02	98	12:02	76S	18:01	262	18:22
2025	Oct	14	(Tue)	05:41	06:02	98	12:01	76S	18:01	262	18:22
2025	Oct	15	(Wed)	05:41	06:02	98	12:01	75S	18:00	261	18:21
2025	Oct	16	(Thu)	05:41	06:02	99	12:01	75S	18:00	261	18:21
2025	Oct	17	(Fri)	05:41	06:02	99	12:01	75S	18:00	261	18:21
2025	Oct	18	(Sat)	05:41	06:02	100	12:01	74S	17:59	260	18:20
2025	Oct	19	(Sun)	05:41	06:02	100	12:00	74S	17:59	260	18:20
2025	Oct	20	(Mon)	05:41	06:02	100	12:00	73S	17:59	260	18:20
2025	Oct	21	(Tue)	05:41	06:02	101	12:00	73S	17:58	259	18:19
2025	Oct	22	(Wed)	05:41	06:02	101	12:00	73S	17:58	259	18:19
2025	Oct	23	(Thu)	05:41	06:02	101	12:00	72S	17:58	258	18:19
2025	Oct	24	(Fri)	05:41	06:02	102	12:00	72S	17:57	258	18:18
2025	Oct	25	(Sat)	05:41	06:02	102	11:59	72S	17:57	258	18:18
2025	Oct	26	(Sun)	05:41	06:02	102	11:59	71S	17:57	257	18:18
2025	Oct	27	(Mon)	05:41	06:02	103	11:59	71S	17:56	257	18:18
2025	Oct	28	(Tue)	05:41	06:02	103	11:59	71S	17:56	257	18:18
2025	Oct	29	(Wed)	05:41	06:02	103	11:59	70S	17:56	256	18:17
2025	Oct	30	(Thu)	05:41	06:02	104	11:59	70S	17:56	256	18:17
2025	Oct	31	(Fri)	05:41	06:02	104	11:59	70S	17:56	256	18:17
2025	Nov	01	(Sat)	05:41	06:03	104	11:59	69S	17:55	255	18:17
2025	Nov	02	(Sun)	05:41	06:03	105	11:59	69S	17:55	255	18:17
2025	Nov	03	(Mon)	05:41	06:03	105	11:59	69S	17:55	255	18:17
2025	Nov	04	(Tue)	05:41	06:03	105	11:59	68S	17:55	254	18:16
2025	Nov	05	(Wed)	05:42	06:03	106	11:59	68S	17:55	254	18:16
2025	Nov	06	(Thu)	05:42	06:03	106	11:59	68S	17:55	254	18:16
2025	Nov	07	(Fri)	05:42	06:04	106	11:59	68S	17:55	254	18:16
2025	Nov	08	(Sat)	05:42	06:04	107	11:59	67S	17:54	253	18:16
2025	Nov	09	(Sun)	05:42	06:04	107	11:59	67S	17:54	253	18:16
2025	Nov	10	(Mon)	05:42	06:04	107	11:59	67S	17:54	253	18:16
2025	Nov	11	(Tue)	05:43	06:04	107	11:59	66S	17:54	252	18:16
2025	Nov	12	(Wed)	05:43	06:05	108	12:00	66S	17:54	252	18:16
2025	Nov	13	(Thu)	05:43	06:05	108	12:00	66S	17:54	252	18:16
2025	Nov	14	(Fri)	05:43	06:05	108	12:00	66S	17:54	252	18:16
2025	Nov	15	(Sat)	05:44	06:06	109	12:00	65S	17:54	251	18:16
2025	Nov	16	(Sun)	05:44	06:06	109	12:00	65S	17:54	251	18:16
2025	Nov	17	(Mon)	05:44	06:06	109	12:00	65S	17:55	251	18:16
2025	Nov	18	(Tue)	05:44	06:06	109	12:01	65S	17:55	251	18:17
2025	Nov	19	(Wed)	05:45	06:07	109	12:01	64S	17:55	250	18:17
2025	Nov	20	(Thu)	05:45	06:07	110	12:01	64S	17:55	250	18:17
2025	Nov	21	(Fri)	05:45	06:07	110	12:01	64S	17:55	250	18:17
2025	Nov	22	(Sat)	05:46	06:08	110	12:02	64S	17:55	250	18:17
2025	Nov	23	(Sun)	05:46	06:08	110	12:02	64S	17:55	250	18:17
2025	Nov	24	(Mon)	05:46	06:09	111	12:02	63S	17:55	249	18:18
2025	Nov	25	(Tue)	05:47	06:09	111	12:02	63S	17:56	249	18:18
2025	Nov	26	(Wed)	05:47	06:09	111	12:03	63S	17:56	249	18:18
2025	Nov	27	(Thu)	05:48	06:10	111	12:03	63S	17:56	249	18:18
2025	Nov	28	(Fri)	05:48	06:10	111	12:03	63S	17:56	249	18:19
2025	Nov	29	(Sat)	05:48	06:11	112	12:04	62S	17:57	248	18:19
2025	Nov	30	(Sun)	05:49	06:11	112	12:04	62S	17:57	248	18:19
2025	Dec	01	(Mon)	05:49	06:12	112	12:04	62S	17:57	248	18:20
2025	Dec	02	(Tue)	05:50	06:12	112	12:05	62S	17:57	248	18:20
2025	Dec	03	(Wed)	05:50	06:13	112	12:05	62S	17:58	248	18:20
2025	Dec	04	(Thu)	05:51	06:13	112	12:06	62S	17:58	248	18:21
2025	Dec	05	(Fri)	05:51	06:13	112	12:06	62S	17:58	248	18:21
2025	Dec	06	(Sat)	05:51	06:14	113	12:06	61S	17:59	247	18:21
2025	Dec	07	(Sun)	05:52	06:14	113	12:07	61S	17:59	247	18:22
2025	Dec	08	(Mon)	05:52	06:15	113	12:07	61S	18:00	247	18:22
2025	Dec	09	(Tue)	05:53	06:15	113	12:08	61S	18:00	247	18:23
2025	Dec	10	(Wed)	05:53	06:16	113	12:08	61S	18:00	247	18:23
2025	Dec	11	(Thu)	05:54	06:16	113	12:09	61S	18:01	247	18:23
2025	Dec	12	(Fri)	05:54	06:17	113	12:09	61S	18:01	247	18:24
2025	Dec	13	(Sat)	05:55	06:17	113	12:10	61S	18:02	247	18:24

2025	Dec	14	(Sun)	05:55	06:18	113	12:10	61S	18:02	247	18:25
2025	Dec	15	(Mon)	05:56	06:18	113	12:10	61S	18:03	247	18:25
2025	Dec	16	(Tue)	05:56	06:19	113	12:11	61S	18:03	247	18:26
2025	Dec	17	(Wed)	05:57	06:19	113	12:11	61S	18:03	247	18:26
2025	Dec	18	(Thu)	05:57	06:20	113	12:12	61S	18:04	247	18:27
2025	Dec	19	(Fri)	05:58	06:20	113	12:12	61S	18:04	247	18:27
2025	Dec	20	(Sat)	05:58	06:21	113	12:13	60S	18:05	246	18:28
2025	Dec	21	(Sun)	05:59	06:21	114	12:13	60S	18:05	246	18:28
2025	Dec	22	(Mon)	05:59	06:22	114	12:14	60S	18:06	246	18:29
2025	Dec	23	(Tue)	06:00	06:22	114	12:14	60S	18:06	247	18:29
2025	Dec	24	(Wed)	06:00	06:23	113	12:15	61S	18:07	247	18:30
2025	Dec	25	(Thu)	06:01	06:23	113	12:15	61S	18:07	247	18:30
2025	Dec	26	(Fri)	06:01	06:24	113	12:16	61S	18:08	247	18:31
2025	Dec	27	(Sat)	06:02	06:24	113	12:16	61S	18:08	247	18:31
2025	Dec	28	(Sun)	06:02	06:25	113	12:17	61S	18:09	247	18:32
2025	Dec	29	(Mon)	06:03	06:25	113	12:17	61S	18:09	247	18:32
2025	Dec	30	(Tue)	06:03	06:26	113	12:18	61S	18:10	247	18:33
2025	Dec	31	(Wed)	06:04	06:26	113	12:18	61S	18:11	247	18:33

Moon

VTDt

Location: E101°09'00.0", N 6°47'00.0", 8m
(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)	07:34	116	13:33	58S	19:34	246
2025 Jan 02 (Thu)	08:26	112	14:28	63S	20:30	250
2025 Jan 03 (Fri)	09:16	107	15:19	68S	21:24	256
2025 Jan 04 (Sat)	10:02	101	16:08	74S	22:16	262
2025 Jan 05 (Sun)	10:47	94	16:56	81S	23:06	269
2025 Jan 06 (Mon)	11:30	87	17:43	88S	23:57	276
2025 Jan 07 (Tue)	12:15	81	18:31	86N		
2025 Jan 08 (Wed)	13:02	74	19:22	80N	00:49	283
2025 Jan 09 (Thu)	13:52	69	20:16	75N	01:44	289
2025 Jan 10 (Fri)	14:47	64	21:14	71N	02:42	294
2025 Jan 11 (Sat)	15:46	62	22:15	69N	03:43	297
2025 Jan 12 (Sun)	16:47	61	23:17	69N	04:45	299
2025 Jan 13 (Mon)	17:48	63			05:46	298
2025 Jan 14 (Tue)	18:46	66	00:16	71N	06:43	296
2025 Jan 15 (Wed)	19:40	70	01:11	74N	07:35	292
2025 Jan 16 (Thu)	20:29	75	02:01	79N	08:21	287
2025 Jan 17 (Fri)	21:15	81	02:47	84N	09:04	282
2025 Jan 18 (Sat)	21:59	87	03:30	90N	09:42	276
2025 Jan 19 (Sun)	22:41	93	04:10	85S	10:19	270
2025 Jan 20 (Mon)	23:23	99	04:49	79S	10:56	264
2025 Jan 21 (Tue)			05:29	74S	11:33	259
2025 Jan 22 (Wed)	00:07	104	06:10	68S	12:11	253
2025 Jan 23 (Thu)	00:52	109	06:53	63S	12:53	249
2025 Jan 24 (Fri)	01:40	113	07:40	59S	13:39	245
2025 Jan 25 (Sat)	02:32	117	08:31	57S	14:29	242
2025 Jan 26 (Sun)	03:27	118	09:25	55S	15:24	241
2025 Jan 27 (Mon)	04:24	119	10:22	55S	16:21	242
2025 Jan 28 (Tue)	05:21	117	11:20	57S	17:20	244
2025 Jan 29 (Wed)	06:16	114	12:17	61S	18:19	248
2025 Jan 30 (Thu)	07:08	109	13:11	66S	19:15	253
2025 Jan 31 (Fri)	07:57	103	14:02	72S	20:09	260
2025 Feb 01 (Sat)	08:43	97	14:51	79S	21:01	267
2025 Feb 02 (Sun)	09:28	89	15:40	86S	21:53	274
2025 Feb 03 (Mon)	10:13	82	16:28	88N	22:46	281
2025 Feb 04 (Tue)	11:00	76	17:19	82N	23:40	287
2025 Feb 05 (Wed)	11:49	70	18:12	76N		
2025 Feb 06 (Thu)	12:42	65	19:08	72N	00:37	293

2025 Feb 07 (Fri)	13:38	62	20:07	69N	01:36	296
2025 Feb 08 (Sat)	14:38	61	21:08	69N	02:37	298
2025 Feb 09 (Sun)	15:38	62	22:06	70N	03:37	299
2025 Feb 10 (Mon)	16:36	64	23:02	73N	04:34	297
2025 Feb 11 (Tue)	17:30	68	23:53	77N	05:27	294
2025 Feb 12 (Wed)	18:21	73			06:15	289
2025 Feb 13 (Thu)	19:08	79	00:41	82N	06:58	284
2025 Feb 14 (Fri)	19:53	85	01:24	88N	07:38	278
2025 Feb 15 (Sat)	20:36	91	02:05	88S	08:16	272
2025 Feb 16 (Sun)	21:18	97	02:45	82S	08:53	266
2025 Feb 17 (Mon)	22:01	102	03:24	76S	09:29	261
2025 Feb 18 (Tue)	22:45	107	04:05	70S	10:07	255
2025 Feb 19 (Wed)	23:32	112	04:47	65S	10:47	250
2025 Feb 20 (Thu)			05:32	61S	11:31	246
2025 Feb 21 (Fri)	00:22	115	06:20	57S	12:18	243
2025 Feb 22 (Sat)	01:14	118	07:12	55S	13:10	241
2025 Feb 23 (Sun)	02:09	119	08:07	55S	14:06	241
2025 Feb 24 (Mon)	03:06	118	09:04	56S	15:03	243
2025 Feb 25 (Tue)	04:01	116	10:01	59S	16:02	246
2025 Feb 26 (Wed)	04:54	112	10:56	63S	16:59	251
2025 Feb 27 (Thu)	05:45	106	11:49	69S	17:55	257
2025 Feb 28 (Fri)	06:33	100	12:40	76S	18:49	264
2025 Mar 01 (Sat)	07:20	93	13:30	83S	19:43	271
2025 Mar 02 (Sun)	08:06	85	14:21	90S	20:37	278
2025 Mar 03 (Mon)	08:54	78	15:12	84N	21:32	285
2025 Mar 04 (Tue)	09:44	72	16:06	78N	22:30	291
2025 Mar 05 (Wed)	10:37	67	17:03	73N	23:30	295
2025 Mar 06 (Thu)	11:33	63	18:02	70N		
2025 Mar 07 (Fri)	12:32	61	19:02	68N	00:31	298
2025 Mar 08 (Sat)	13:32	61	20:01	69N	01:32	299
2025 Mar 09 (Sun)	14:30	63	20:57	71N	02:30	298
2025 Mar 10 (Mon)	15:25	67	21:49	75N	03:23	295
2025 Mar 11 (Tue)	16:16	71	22:37	80N	04:12	291
2025 Mar 12 (Wed)	17:04	77	23:21	86N	04:56	286
2025 Mar 13 (Thu)	17:49	82			05:36	280
2025 Mar 14 (Fri)	18:32	88	00:03	90S	06:14	275
2025 Mar 15 (Sat)	19:14	94	00:42	84S	06:51	269
2025 Mar 16 (Sun)	19:57	100	01:22	78S	07:28	263
2025 Mar 17 (Mon)	20:41	106	02:02	72S	08:05	257
2025 Mar 18 (Tue)	21:26	110	02:43	67S	08:44	252
2025 Mar 19 (Wed)	22:15	114	03:27	62S	09:26	248
2025 Mar 20 (Thu)	23:06	117	04:14	59S	10:12	244
2025 Mar 21 (Fri)	23:59	119	05:04	56S	11:01	242
2025 Mar 22 (Sat)			05:57	55S	11:54	241
2025 Mar 23 (Sun)	00:54	119	06:51	55S	12:50	242
2025 Mar 24 (Mon)	01:48	117	07:47	57S	13:46	244
2025 Mar 25 (Tue)	02:41	114	08:41	61S	14:43	248
2025 Mar 26 (Wed)	03:32	109	09:34	66S	15:38	253
2025 Mar 27 (Thu)	04:20	103	10:25	72S	16:32	260
2025 Mar 28 (Fri)	05:07	97	11:16	79S	17:26	267
2025 Mar 29 (Sat)	05:54	89	12:06	87S	18:21	275
2025 Mar 30 (Sun)	06:42	82	12:58	87N	19:17	282
2025 Mar 31 (Mon)	07:32	75	13:53	80N	20:15	289
2025 Apr 01 (Tue)	08:25	69	14:50	75N	21:17	294
2025 Apr 02 (Wed)	09:23	64	15:51	71N	22:20	297
2025 Apr 03 (Thu)	10:23	62	16:53	69N	23:24	299
2025 Apr 04 (Fri)	11:25	61	17:55	69N		
2025 Apr 05 (Sat)	12:25	63	18:53	71N	00:24	298
2025 Apr 06 (Sun)	13:21	66	19:47	74N	01:20	296
2025 Apr 07 (Mon)	14:14	70	20:35	79N	02:10	292
2025 Apr 08 (Tue)	15:02	75	21:20	84N	02:55	288
2025 Apr 09 (Wed)	15:48	81	22:02	90N	03:36	282
2025 Apr 10 (Thu)	16:31	86	22:42	86S	04:15	277
2025 Apr 11 (Fri)	17:13	92	23:21	80S	04:52	271
2025 Apr 12 (Sat)	17:55	98			05:28	265
2025 Apr 13 (Sun)	18:38	104	00:01	74S	06:05	259
2025 Apr 14 (Mon)	19:23	109	00:41	69S	06:43	254

2025 Apr 15 (Tue)	20:11 113	01:24 64S	07:24 249
2025 Apr 16 (Wed)	21:01 116	02:10 60S	08:09 245
2025 Apr 17 (Thu)	21:53 118	02:59 57S	08:57 243
2025 Apr 18 (Fri)	22:46 119	03:50 55S	09:48 241
2025 Apr 19 (Sat)	23:40 118	04:44 55S	10:42 241
2025 Apr 20 (Sun)		05:38 56S	11:37 243
2025 Apr 21 (Mon)	00:32 115	06:31 59S	12:32 246
2025 Apr 22 (Tue)	01:22 111	07:23 63S	13:26 251
2025 Apr 23 (Wed)	02:10 106	08:13 69S	14:19 257
2025 Apr 24 (Thu)	02:56 100	09:03 75S	15:11 263
2025 Apr 25 (Fri)	03:41 93	09:52 83S	16:04 271
2025 Apr 26 (Sat)	04:28 86	10:42 90S	16:58 278
2025 Apr 27 (Sun)	05:16 78	11:35 84N	17:56 285
2025 Apr 28 (Mon)	06:08 72	12:32 78N	18:57 291
2025 Apr 29 (Tue)	07:05 66	13:32 73N	20:01 296
2025 Apr 30 (Wed)	08:06 63	14:36 69N	21:07 298
2025 May 01 (Thu)	09:10 61	15:41 69N	22:11 299
2025 May 02 (Fri)	10:13 62	16:43 70N	23:11 297
2025 May 03 (Sat)	11:13 64	17:40 73N	
2025 May 04 (Sun)	12:09 68	18:32 77N	00:05 294
2025 May 05 (Mon)	12:59 73	19:18 82N	00:53 289
2025 May 06 (Tue)	13:46 79	20:01 88N	01:36 284
2025 May 07 (Wed)	14:30 85	20:42 88S	02:15 278
2025 May 08 (Thu)	15:12 91	21:21 82S	02:52 272
2025 May 09 (Fri)	15:54 96	22:00 76S	03:29 266
2025 May 10 (Sat)	16:36 102	22:40 70S	04:05 261
2025 May 11 (Sun)	17:21 107	23:22 65S	04:43 255
2025 May 12 (Mon)	18:07 112		05:23 251
2025 May 13 (Tue)	18:57 115	00:07 61S	06:07 246
2025 May 14 (Wed)	19:49 118	00:55 58S	06:54 243
2025 May 15 (Thu)	20:42 119	01:46 56S	07:44 242
2025 May 16 (Fri)	21:36 118	02:40 55S	08:37 241
2025 May 17 (Sat)	22:28 116	03:33 56S	09:32 243
2025 May 18 (Sun)	23:18 113	04:27 58S	10:26 245
2025 May 19 (Mon)		05:18 62S	11:19 249
2025 May 20 (Tue)	00:05 108	06:07 67S	12:11 255
2025 May 21 (Wed)	00:50 102	06:55 73S	13:02 261
2025 May 22 (Thu)	01:34 96	07:42 80S	13:52 268
2025 May 23 (Fri)	02:18 89	08:30 87S	14:44 275
2025 May 24 (Sat)	03:04 82	09:20 87N	15:38 282
2025 May 25 (Sun)	03:53 75	10:14 81N	16:36 288
2025 May 26 (Mon)	04:47 69	11:12 75N	17:39 294
2025 May 27 (Tue)	05:46 64	12:15 71N	18:45 297
2025 May 28 (Wed)	06:49 62	13:20 69N	19:51 299
2025 May 29 (Thu)	07:54 61	14:25 69N	20:55 298
2025 May 30 (Fri)	08:58 63	15:26 71N	21:53 295
2025 May 31 (Sat)	09:57 67	16:22 75N	22:45 291
2025 Jun 01 (Sun)	10:51 71	17:12 80N	23:31 286
2025 Jun 02 (Mon)	11:41 77	17:58 86N	
2025 Jun 03 (Tue)	12:26 83	18:39 90S	00:13 280
2025 Jun 04 (Wed)	13:09 89	19:19 84S	00:51 274
2025 Jun 05 (Thu)	13:52 95	19:59 78S	01:28 268
2025 Jun 06 (Fri)	14:34 100	20:39 72S	02:05 263
2025 Jun 07 (Sat)	15:18 106	21:20 67S	02:42 257
2025 Jun 08 (Sun)	16:04 110	22:04 62S	03:21 252
2025 Jun 09 (Mon)	16:52 114	22:51 59S	04:04 248
2025 Jun 10 (Tue)	17:44 117	23:42 56S	04:50 244
2025 Jun 11 (Wed)	18:37 118		05:40 242
2025 Jun 12 (Thu)	19:31 118	00:35 55S	06:32 241
2025 Jun 13 (Fri)	20:24 117	01:29 55S	07:27 242
2025 Jun 14 (Sat)	21:15 114	02:23 57S	08:22 244
2025 Jun 15 (Sun)	22:03 109	03:15 61S	09:16 248
2025 Jun 16 (Mon)	22:48 104	04:05 66S	10:08 253
2025 Jun 17 (Tue)	23:32 98	04:53 71S	10:58 259
2025 Jun 18 (Wed)		05:39 78S	11:48 266
2025 Jun 19 (Thu)	00:15 91	06:25 85S	12:37 272
2025 Jun 20 (Fri)	00:58 84	07:13 90N	13:29 279

2025 Jun 21 (Sat)	01:44 77	08:03 83N	14:23 286
2025 Jun 22 (Sun)	02:34 71	08:57 77N	15:22 292
2025 Jun 23 (Mon)	03:29 66	09:56 72N	16:25 296
2025 Jun 24 (Tue)	04:30 63	11:00 70N	17:30 298
2025 Jun 25 (Wed)	05:34 61	12:05 69N	18:35 298
2025 Jun 26 (Thu)	06:39 62	13:08 70N	19:37 297
2025 Jun 27 (Fri)	07:41 65	14:08 73N	20:33 293
2025 Jun 28 (Sat)	08:39 69	15:01 78N	21:23 288
2025 Jun 29 (Sun)	09:31 75	15:50 84N	22:07 282
2025 Jun 30 (Mon)	10:19 80	16:34 89N	22:47 276
2025 Jul 01 (Tue)	11:04 87	17:15 86S	23:25 270
2025 Jul 02 (Wed)	11:47 93	17:56 80S	
2025 Jul 03 (Thu)	12:30 98	18:35 74S	00:02 265
2025 Jul 04 (Fri)	13:13 104	19:16 69S	00:40 259
2025 Jul 05 (Sat)	13:58 109	20:00 64S	01:18 254
2025 Jul 06 (Sun)	14:46 113	20:46 60S	02:00 249
2025 Jul 07 (Mon)	15:36 116	21:35 57S	02:44 245
2025 Jul 08 (Tue)	16:29 118	22:27 55S	03:33 243
2025 Jul 09 (Wed)	17:24 119	23:22 55S	04:25 241
2025 Jul 10 (Thu)	18:18 118		05:20 242
2025 Jul 11 (Fri)	19:10 115	00:16 57S	06:15 244
2025 Jul 12 (Sat)	20:00 111	01:10 60S	07:11 247
2025 Jul 13 (Sun)	20:47 106	02:01 64S	08:04 252
2025 Jul 14 (Mon)	21:31 99	02:50 70S	08:55 257
2025 Jul 15 (Tue)	22:14 93	03:37 76S	09:45 264
2025 Jul 16 (Wed)	22:57 86	04:24 83S	10:35 271
2025 Jul 17 (Thu)	23:41 79	05:10 90S	11:25 277
2025 Jul 18 (Fri)		05:58 85N	12:17 284
2025 Jul 19 (Sat)	00:29 73	06:50 79N	13:13 290
2025 Jul 20 (Sun)	01:21 68	07:46 74N	14:13 295
2025 Jul 21 (Mon)	02:17 64	08:46 70N	15:15 298
2025 Jul 22 (Tue)	03:18 62	09:49 69N	16:20 299
2025 Jul 23 (Wed)	04:22 62	10:52 69N	17:22 298
2025 Jul 24 (Thu)	05:25 64	11:53 72N	18:20 295
2025 Jul 25 (Fri)	06:24 67	12:49 76N	19:12 290
2025 Jul 26 (Sat)	07:19 72	13:40 81N	19:59 285
2025 Jul 27 (Sun)	08:09 78	14:26 87N	20:41 279
2025 Jul 28 (Mon)	08:56 84	15:09 88S	21:21 273
2025 Jul 29 (Tue)	09:41 90	15:50 82S	21:59 267
2025 Jul 30 (Wed)	10:24 96	16:31 76S	22:36 261
2025 Jul 31 (Thu)	11:08 102	17:12 70S	23:14 255
2025 Aug 01 (Fri)	11:52 107	17:54 65S	23:55 251
2025 Aug 02 (Sat)	12:39 112	18:39 61S	
2025 Aug 03 (Sun)	13:28 115	19:27 58S	00:38 247
2025 Aug 04 (Mon)	14:20 118	20:18 56S	01:25 243
2025 Aug 05 (Tue)	15:13 119	21:11 55S	02:15 242
2025 Aug 06 (Wed)	16:08 118	22:06 56S	03:09 241
2025 Aug 07 (Thu)	17:01 116	23:01 58S	04:05 243
2025 Aug 08 (Fri)	17:53 113	23:53 62S	05:01 245
2025 Aug 09 (Sat)	18:41 108		05:55 250
2025 Aug 10 (Sun)	19:27 102	00:44 67S	06:49 255
2025 Aug 11 (Mon)	20:12 95	01:33 74S	07:40 262
2025 Aug 12 (Tue)	20:55 88	02:20 80S	08:31 268
2025 Aug 13 (Wed)	21:40 81	03:08 88S	09:21 275
2025 Aug 14 (Thu)	22:27 75	03:56 87N	10:14 282
2025 Aug 15 (Fri)	23:17 69	04:47 81N	11:09 288
2025 Aug 16 (Sat)		05:41 75N	12:07 293
2025 Aug 17 (Sun)	00:11 65	06:39 71N	13:08 297
2025 Aug 18 (Mon)	01:10 62	07:40 69N	14:10 299
2025 Aug 19 (Tue)	02:12 61	08:42 69N	15:12 298
2025 Aug 20 (Wed)	03:14 62	09:43 70N	16:10 296
2025 Aug 21 (Thu)	04:13 66	10:39 74N	17:04 292
2025 Aug 22 (Fri)	05:09 70	11:31 79N	17:52 287
2025 Aug 23 (Sat)	06:01 75	12:19 84N	18:36 282
2025 Aug 24 (Sun)	06:49 81	13:03 90N	19:16 276
2025 Aug 25 (Mon)	07:34 88	13:45 85S	19:55 269
2025 Aug 26 (Tue)	08:18 94	14:26 79S	20:32 263

2025 Aug 27 (Wed)	09:02 100	15:07 73S	21:10 258
2025 Aug 28 (Thu)	09:46 105	15:48 67S	21:50 252
2025 Aug 29 (Fri)	10:32 110	16:32 63S	22:32 248
2025 Aug 30 (Sat)	11:20 114	17:19 59S	23:17 244
2025 Aug 31 (Sun)	12:10 117	18:08 56S	
2025 Sep 01 (Mon)	13:02 119	19:00 55S	00:06 242
2025 Sep 02 (Tue)	13:56 119	19:54 55S	00:57 241
2025 Sep 03 (Wed)	14:50 117	20:48 57S	01:52 242
2025 Sep 04 (Thu)	15:42 114	21:41 60S	02:47 244
2025 Sep 05 (Fri)	16:31 110	22:33 65S	03:42 247
2025 Sep 06 (Sat)	17:19 105	23:23 71S	04:36 252
2025 Sep 07 (Sun)	18:04 98		05:29 259
2025 Sep 08 (Mon)	18:49 91	00:12 77S	06:21 265
2025 Sep 09 (Tue)	19:35 84	01:00 85S	07:13 273
2025 Sep 10 (Wed)	20:22 77	01:49 90N	08:06 280
2025 Sep 11 (Thu)	21:12 71	02:41 83N	09:02 286
2025 Sep 12 (Fri)	22:06 66	03:35 77N	10:00 292
2025 Sep 13 (Sat)	23:05 63	04:33 72N	11:01 296
2025 Sep 14 (Sun)		05:34 69N	12:04 298
2025 Sep 15 (Mon)	00:06 61	06:36 69N	13:06 299
2025 Sep 16 (Tue)	01:08 62	07:37 70N	14:05 297
2025 Sep 17 (Wed)	02:07 64	08:34 73N	14:59 294
2025 Sep 18 (Thu)	03:03 68	09:27 77N	15:48 289
2025 Sep 19 (Fri)	03:55 73	10:15 82N	16:32 284
2025 Sep 20 (Sat)	04:44 79	10:59 88N	17:13 278
2025 Sep 21 (Sun)	05:29 85	11:41 87S	17:52 272
2025 Sep 22 (Mon)	06:13 91	12:22 81S	18:30 266
2025 Sep 23 (Tue)	06:57 97	13:03 75S	19:08 260
2025 Sep 24 (Wed)	07:41 103	13:44 69S	19:47 254
2025 Sep 25 (Thu)	08:26 108	14:27 64S	20:28 250
2025 Sep 26 (Fri)	09:13 113	15:13 60S	21:11 246
2025 Sep 27 (Sat)	10:02 116	16:01 57S	21:58 243
2025 Sep 28 (Sun)	10:54 118	16:51 55S	22:48 241
2025 Sep 29 (Mon)	11:46 119	17:43 55S	23:41 241
2025 Sep 30 (Tue)	12:39 118	18:37 56S	
2025 Oct 01 (Wed)	13:30 116	19:29 58S	00:35 243
2025 Oct 02 (Thu)	14:20 112	20:21 62S	01:29 246
2025 Oct 03 (Fri)	15:07 107	21:10 68S	02:22 250
2025 Oct 04 (Sat)	15:53 101	21:59 74S	03:15 255
2025 Oct 05 (Sun)	16:38 95	22:48 81S	04:07 262
2025 Oct 06 (Mon)	17:24 87	23:37 88S	04:59 269
2025 Oct 07 (Tue)	18:11 80		05:52 276
2025 Oct 08 (Wed)	19:01 73	00:28 86N	06:48 283
2025 Oct 09 (Thu)	19:56 68	01:23 79N	07:47 290
2025 Oct 10 (Fri)	20:55 64	02:22 74N	08:49 295
2025 Oct 11 (Sat)	21:57 62	03:24 70N	09:54 298
2025 Oct 12 (Sun)	23:01 62	04:28 69N	10:58 299
2025 Oct 13 (Mon)		05:31 69N	12:00 298
2025 Oct 14 (Tue)	00:02 63	06:30 72N	12:56 295
2025 Oct 15 (Wed)	00:59 67	07:24 76N	13:46 291
2025 Oct 16 (Thu)	01:52 72	08:13 81N	14:32 285
2025 Oct 17 (Fri)	02:41 77	08:58 86N	15:13 280
2025 Oct 18 (Sat)	03:27 83	09:40 89S	15:52 274
2025 Oct 19 (Sun)	04:11 89	10:21 83S	16:30 268
2025 Oct 20 (Mon)	04:54 95	11:01 77S	17:07 262
2025 Oct 21 (Tue)	05:38 101	11:42 71S	17:45 256
2025 Oct 22 (Wed)	06:22 106	12:24 66S	18:25 251
2025 Oct 23 (Thu)	07:09 111	13:09 62S	19:08 247
2025 Oct 24 (Fri)	07:57 115	13:56 58S	19:54 244
2025 Oct 25 (Sat)	08:48 117	14:45 56S	20:43 242
2025 Oct 26 (Sun)	09:40 119	15:37 55S	21:34 241
2025 Oct 27 (Mon)	10:32 118	16:29 55S	22:27 242
2025 Oct 28 (Tue)	11:23 117	17:21 57S	23:20 244
2025 Oct 29 (Wed)	12:12 114	18:11 61S	
2025 Oct 30 (Thu)	12:59 110	19:00 65S	00:12 248
2025 Oct 31 (Fri)	13:44 104	19:48 71S	01:03 253
2025 Nov 01 (Sat)	14:28 98	20:35 77S	01:53 259

2025 Nov 02 (Sun)	15:12 91	21:22 85S	02:44 265
2025 Nov 03 (Mon)	15:57 84	22:12 90N	03:35 272
2025 Nov 04 (Tue)	16:46 77	23:05 83N	04:29 280
2025 Nov 05 (Wed)	17:38 71		05:26 286
2025 Nov 06 (Thu)	18:37 66	00:02 77N	06:28 292
2025 Nov 07 (Fri)	19:40 62	01:05 72N	07:34 296
2025 Nov 08 (Sat)	20:46 61	02:11 69N	08:42 298
2025 Nov 09 (Sun)	21:51 63	03:17 69N	09:47 298
2025 Nov 10 (Mon)	22:52 66	04:20 71N	10:48 296
2025 Nov 11 (Tue)	23:48 70	05:18 74N	11:42 292
2025 Nov 12 (Wed)		06:10 79N	12:30 287
2025 Nov 13 (Thu)	00:39 76	06:57 85N	13:13 281
2025 Nov 14 (Fri)	01:26 82	07:40 91N	13:52 275
2025 Nov 15 (Sat)	02:10 88	08:21 85S	14:30 269
2025 Nov 16 (Sun)	02:53 94	09:01 79S	15:07 263
2025 Nov 17 (Mon)	03:36 99	09:41 73S	15:45 258
2025 Nov 18 (Tue)	04:20 105	10:23 68S	16:24 253
2025 Nov 19 (Wed)	05:06 110	11:06 63S	17:06 248
2025 Nov 20 (Thu)	05:53 114	11:53 59S	17:51 245
2025 Nov 21 (Fri)	06:43 116	12:42 57S	18:39 243
2025 Nov 22 (Sat)	07:35 118	13:33 55S	19:30 242
2025 Nov 23 (Sun)	08:27 118	14:25 55S	20:22 242
2025 Nov 24 (Mon)	09:18 117	15:16 57S	21:15 244
2025 Nov 25 (Tue)	10:08 115	16:07 60S	22:07 247
2025 Nov 26 (Wed)	10:54 111	16:55 64S	22:57 251
2025 Nov 27 (Thu)	11:39 106	17:42 69S	23:46 257
2025 Nov 28 (Fri)	12:21 100	18:27 75S	
2025 Nov 29 (Sat)	13:04 94	19:13 81S	00:34 263
2025 Nov 30 (Sun)	13:47 87	19:59 88S	01:23 269
2025 Dec 01 (Mon)	14:32 80	20:49 86N	02:14 276
2025 Dec 02 (Tue)	15:21 74	21:42 80N	03:07 283
2025 Dec 03 (Wed)	16:16 68	22:41 74N	04:06 289
2025 Dec 04 (Thu)	17:16 64	23:46 70N	05:09 294
2025 Dec 05 (Fri)	18:22 62		06:16 298
2025 Dec 06 (Sat)	19:30 62	00:53 69N	07:25 298
2025 Dec 07 (Sun)	20:35 64	02:00 70N	08:30 297
2025 Dec 08 (Mon)	21:36 68	03:03 73N	09:29 294
2025 Dec 09 (Tue)	22:30 74	04:00 77N	10:22 289
2025 Dec 10 (Wed)	23:20 80	04:50 83N	11:08 283
2025 Dec 11 (Thu)		05:36 89N	11:50 277
2025 Dec 12 (Fri)	00:07 86	06:19 87S	12:29 271
2025 Dec 13 (Sat)	00:51 92	07:00 80S	13:07 265
2025 Dec 14 (Sun)	01:34 98	07:40 75S	13:45 260
2025 Dec 15 (Mon)	02:18 103	08:21 69S	14:23 254
2025 Dec 16 (Tue)	03:03 108	09:04 64S	15:04 250
2025 Dec 17 (Wed)	03:50 112	09:49 60S	15:48 246
2025 Dec 18 (Thu)	04:39 116	10:38 57S	16:35 243
2025 Dec 19 (Fri)	05:30 118	11:28 56S	17:26 242
2025 Dec 20 (Sat)	06:23 118	12:20 55S	18:18 242
2025 Dec 21 (Sun)	07:15 118	13:13 56S	19:11 243
2025 Dec 22 (Mon)	08:05 116	14:04 59S	20:03 246
2025 Dec 23 (Tue)	08:53 112	14:53 63S	20:54 250
2025 Dec 24 (Wed)	09:37 107	15:40 68S	21:43 255
2025 Dec 25 (Thu)	10:20 102	16:25 73S	22:31 261
2025 Dec 26 (Fri)	11:02 96	17:09 79S	23:18 267
2025 Dec 27 (Sat)	11:43 89	17:54 86S	
2025 Dec 28 (Sun)	12:25 83	18:40 89N	00:07 274
2025 Dec 29 (Mon)	13:11 76	19:30 82N	00:57 281
2025 Dec 30 (Tue)	14:01 70	20:24 76N	01:51 287
2025 Dec 31 (Wed)	14:57 66	21:24 72N	02:49 292