

Sun

VTEU

Location: E104°52'00.0", N15°15'00.0", 406m
(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)	05:37	06:27 114		12:04 52S	17:41 246		18:31
2025 Jan 02 (Thu)	05:37	06:27 114		12:05 53S	17:42 246		18:32
2025 Jan 03 (Fri)	05:38	06:27 113		12:05 53S	17:43 247		18:33
2025 Jan 04 (Sat)	05:38	06:28 113		12:05 53S	17:43 247		18:33
2025 Jan 05 (Sun)	05:38	06:28 113		12:06 53S	17:44 247		18:34
2025 Jan 06 (Mon)	05:39	06:28 113		12:06 53S	17:44 247		18:34
2025 Jan 07 (Tue)	05:39	06:29 113		12:07 53S	17:45 247		18:35
2025 Jan 08 (Wed)	05:39	06:29 113		12:07 53S	17:46 247		18:35
2025 Jan 09 (Thu)	05:40	06:29 113		12:08 53S	17:46 247		18:36
2025 Jan 10 (Fri)	05:40	06:29 113		12:08 54S	17:47 248		18:36
2025 Jan 11 (Sat)	05:40	06:30 112		12:08 54S	17:47 248		18:37
2025 Jan 12 (Sun)	05:40	06:30 112		12:09 54S	17:48 248		18:37
2025 Jan 13 (Mon)	05:41	06:30 112		12:09 54S	17:49 248		18:38
2025 Jan 14 (Tue)	05:41	06:30 112		12:10 54S	17:49 248		18:38
2025 Jan 15 (Wed)	05:41	06:30 112		12:10 54S	17:50 248		18:39
2025 Jan 16 (Thu)	05:41	06:30 111		12:10 55S	17:50 249		18:39
2025 Jan 17 (Fri)	05:41	06:31 111		12:11 55S	17:51 249		18:40
2025 Jan 18 (Sat)	05:41	06:31 111		12:11 55S	17:51 249		18:41
2025 Jan 19 (Sun)	05:42	06:31 111		12:11 55S	17:52 249		18:41
2025 Jan 20 (Mon)	05:42	06:31 111		12:12 55S	17:53 249		18:41
2025 Jan 21 (Tue)	05:42	06:31 110		12:12 56S	17:53 250		18:42
2025 Jan 22 (Wed)	05:42	06:31 110		12:12 56S	17:54 250		18:42
2025 Jan 23 (Thu)	05:42	06:31 110		12:12 56S	17:54 250		18:43
2025 Jan 24 (Fri)	05:42	06:31 110		12:13 56S	17:55 250		18:43
2025 Jan 25 (Sat)	05:42	06:31 109		12:13 57S	17:55 251		18:44
2025 Jan 26 (Sun)	05:42	06:31 109		12:13 57S	17:56 251		18:44
2025 Jan 27 (Mon)	05:42	06:30 109		12:13 57S	17:56 251		18:45
2025 Jan 28 (Tue)	05:42	06:30 109		12:13 57S	17:57 251		18:45
2025 Jan 29 (Wed)	05:42	06:30 108		12:14 58S	17:57 252		18:46
2025 Jan 30 (Thu)	05:42	06:30 108		12:14 58S	17:58 252		18:46
2025 Jan 31 (Fri)	05:42	06:30 108		12:14 58S	17:58 252		18:46
2025 Feb 01 (Sat)	05:42	06:30 108		12:14 58S	17:59 253		18:47
2025 Feb 02 (Sun)	05:41	06:29 107		12:14 59S	17:59 253		18:47
2025 Feb 03 (Mon)	05:41	06:29 107		12:14 59S	18:00 253		18:48
2025 Feb 04 (Tue)	05:41	06:29 107		12:14 59S	18:00 254		18:48
2025 Feb 05 (Wed)	05:41	06:29 106		12:15 60S	18:00 254		18:48
2025 Feb 06 (Thu)	05:41	06:28 106		12:15 60S	18:01 254		18:49
2025 Feb 07 (Fri)	05:40	06:28 106		12:15 60S	18:01 255		18:49
2025 Feb 08 (Sat)	05:40	06:28 105		12:15 61S	18:02 255		18:49
2025 Feb 09 (Sun)	05:40	06:27 105		12:15 61S	18:02 255		18:50
2025 Feb 10 (Mon)	05:40	06:27 105		12:15 61S	18:02 256		18:50
2025 Feb 11 (Tue)	05:39	06:27 104		12:15 62S	18:03 256		18:50
2025 Feb 12 (Wed)	05:39	06:26 104		12:15 62S	18:03 256		18:51
2025 Feb 13 (Thu)	05:39	06:26 104		12:15 62S	18:04 257		18:51
2025 Feb 14 (Fri)	05:38	06:26 103		12:15 63S	18:04 257		18:51
2025 Feb 15 (Sat)	05:38	06:25 103		12:15 63S	18:04 257		18:51
2025 Feb 16 (Sun)	05:38	06:25 103		12:15 63S	18:05 258		18:52
2025 Feb 17 (Mon)	05:37	06:24 102		12:14 64S	18:05 258		18:52
2025 Feb 18 (Tue)	05:37	06:24 102		12:14 64S	18:05 258		18:52
2025 Feb 19 (Wed)	05:36	06:23 101		12:14 64S	18:06 259		18:53
2025 Feb 20 (Thu)	05:36	06:23 101		12:14 65S	18:06 259		18:53
2025 Feb 21 (Fri)	05:35	06:22 101		12:14 65S	18:06 259		18:53
2025 Feb 22 (Sat)	05:35	06:22 100		12:14 65S	18:06 260		18:53
2025 Feb 23 (Sun)	05:34	06:21 100		12:14 66S	18:07 260		18:53
2025 Feb 24 (Mon)	05:34	06:21 100		12:14 66S	18:07 261		18:54

2025	Feb	25	(Tue)	05:33	06:20	99	12:14	66S	18:07	261	18:54
2025	Feb	26	(Wed)	05:33	06:20	99	12:13	67S	18:07	261	18:54
2025	Feb	27	(Thu)	05:32	06:19	98	12:13	67S	18:08	262	18:54
2025	Feb	28	(Fri)	05:32	06:18	98	12:13	68S	18:08	262	18:55
2025	Mar	01	(Sat)	05:31	06:18	98	12:13	68S	18:08	263	18:55
2025	Mar	02	(Sun)	05:31	06:17	97	12:13	68S	18:08	263	18:55
2025	Mar	03	(Mon)	05:30	06:16	97	12:12	69S	18:09	263	18:55
2025	Mar	04	(Tue)	05:29	06:16	96	12:12	69S	18:09	264	18:55
2025	Mar	05	(Wed)	05:29	06:15	96	12:12	70S	18:09	264	18:55
2025	Mar	06	(Thu)	05:28	06:15	96	12:12	70S	18:09	265	18:56
2025	Mar	07	(Fri)	05:28	06:14	95	12:12	70S	18:09	265	18:56
2025	Mar	08	(Sat)	05:27	06:13	95	12:11	71S	18:10	265	18:56
2025	Mar	09	(Sun)	05:26	06:13	94	12:11	71S	18:10	266	18:56
2025	Mar	10	(Mon)	05:26	06:12	94	12:11	71S	18:10	266	18:56
2025	Mar	11	(Tue)	05:25	06:11	94	12:11	72S	18:10	267	18:56
2025	Mar	12	(Wed)	05:24	06:10	93	12:10	72S	18:10	267	18:57
2025	Mar	13	(Thu)	05:24	06:10	93	12:10	73S	18:10	267	18:57
2025	Mar	14	(Fri)	05:23	06:09	92	12:10	73S	18:11	268	18:57
2025	Mar	15	(Sat)	05:22	06:08	92	12:09	73S	18:11	268	18:57
2025	Mar	16	(Sun)	05:21	06:08	92	12:09	74S	18:11	269	18:57
2025	Mar	17	(Mon)	05:21	06:07	91	12:09	74S	18:11	269	18:57
2025	Mar	18	(Tue)	05:20	06:06	91	12:09	75S	18:11	269	18:57
2025	Mar	19	(Wed)	05:19	06:06	90	12:08	75S	18:11	270	18:58
2025	Mar	20	(Thu)	05:18	06:05	90	12:08	75S	18:11	270	18:58
2025	Mar	21	(Fri)	05:18	06:04	90	12:08	76S	18:12	271	18:58
2025	Mar	22	(Sat)	05:17	06:03	89	12:07	76S	18:12	271	18:58
2025	Mar	23	(Sun)	05:16	06:03	89	12:07	77S	18:12	271	18:58
2025	Mar	24	(Mon)	05:16	06:02	88	12:07	77S	18:12	272	18:58
2025	Mar	25	(Tue)	05:15	06:01	88	12:06	77S	18:12	272	18:58
2025	Mar	26	(Wed)	05:14	06:00	87	12:06	78S	18:12	273	18:59
2025	Mar	27	(Thu)	05:13	06:00	87	12:06	78S	18:12	273	18:59
2025	Mar	28	(Fri)	05:13	05:59	87	12:06	79S	18:12	274	18:59
2025	Mar	29	(Sat)	05:12	05:58	86	12:05	79S	18:13	274	18:59
2025	Mar	30	(Sun)	05:11	05:58	86	12:05	79S	18:13	274	18:59
2025	Mar	31	(Mon)	05:10	05:57	85	12:05	80S	18:13	275	18:59
2025	Apr	01	(Tue)	05:09	05:56	85	12:04	80S	18:13	275	19:00
2025	Apr	02	(Wed)	05:09	05:55	85	12:04	80S	18:13	276	19:00
2025	Apr	03	(Thu)	05:08	05:55	84	12:04	81S	18:13	276	19:00
2025	Apr	04	(Fri)	05:07	05:54	84	12:04	81S	18:13	276	19:00
2025	Apr	05	(Sat)	05:06	05:53	83	12:03	82S	18:13	277	19:00
2025	Apr	06	(Sun)	05:06	05:52	83	12:03	82S	18:14	277	19:00
2025	Apr	07	(Mon)	05:05	05:52	83	12:03	82S	18:14	278	19:01
2025	Apr	08	(Tue)	05:04	05:51	82	12:02	83S	18:14	278	19:01
2025	Apr	09	(Wed)	05:03	05:50	82	12:02	83S	18:14	278	19:01
2025	Apr	10	(Thu)	05:03	05:50	82	12:02	83S	18:14	279	19:01
2025	Apr	11	(Fri)	05:02	05:49	81	12:02	84S	18:14	279	19:01
2025	Apr	12	(Sat)	05:01	05:48	81	12:01	84S	18:14	279	19:02
2025	Apr	13	(Sun)	05:00	05:48	80	12:01	85S	18:15	280	19:02
2025	Apr	14	(Mon)	05:00	05:47	80	12:01	85S	18:15	280	19:02
2025	Apr	15	(Tue)	04:59	05:46	80	12:01	85S	18:15	281	19:02
2025	Apr	16	(Wed)	04:58	05:46	79	12:00	86S	18:15	281	19:03
2025	Apr	17	(Thu)	04:58	05:45	79	12:00	86S	18:15	281	19:03
2025	Apr	18	(Fri)	04:57	05:44	79	12:00	86S	18:15	282	19:03
2025	Apr	19	(Sat)	04:56	05:44	78	12:00	87S	18:16	282	19:03
2025	Apr	20	(Sun)	04:56	05:43	78	11:59	87S	18:16	282	19:04
2025	Apr	21	(Mon)	04:55	05:43	77	11:59	87S	18:16	283	19:04
2025	Apr	22	(Tue)	04:54	05:42	77	11:59	88S	18:16	283	19:04
2025	Apr	23	(Wed)	04:54	05:41	77	11:59	88S	18:16	283	19:04
2025	Apr	24	(Thu)	04:53	05:41	76	11:59	88S	18:17	284	19:05
2025	Apr	25	(Fri)	04:52	05:40	76	11:58	89S	18:17	284	19:05
2025	Apr	26	(Sat)	04:52	05:40	76	11:58	89S	18:17	284	19:05
2025	Apr	27	(Sun)	04:51	05:39	75	11:58	89S	18:17	285	19:06
2025	Apr	28	(Mon)	04:50	05:39	75	11:58	90S	18:17	285	19:06
2025	Apr	29	(Tue)	04:50	05:38	75	11:58	90S	18:18	285	19:06
2025	Apr	30	(Wed)	04:49	05:38	74	11:58	90S	18:18	286	19:07
2025	May	01	(Thu)	04:49	05:37	74	11:58	91S	18:18	286	19:07
2025	May	02	(Fri)	04:48	05:37	74	11:58	91N	18:18	286	19:07

2025 May 03 (Sat)	04:48	05:36	74	11:57	90N	18:19	287	19:08
2025 May 04 (Sun)	04:47	05:36	73	11:57	90N	18:19	287	19:08
2025 May 05 (Mon)	04:47	05:35	73	11:57	90N	18:19	287	19:08
2025 May 06 (Tue)	04:46	05:35	73	11:57	89N	18:19	288	19:09
2025 May 07 (Wed)	04:46	05:35	72	11:57	89N	18:20	288	19:09
2025 May 08 (Thu)	04:45	05:34	72	11:57	89N	18:20	288	19:09
2025 May 09 (Fri)	04:45	05:34	72	11:57	89N	18:20	288	19:10
2025 May 10 (Sat)	04:44	05:33	71	11:57	88N	18:21	289	19:10
2025 May 11 (Sun)	04:44	05:33	71	11:57	88N	18:21	289	19:10
2025 May 12 (Mon)	04:43	05:33	71	11:57	88N	18:21	289	19:11
2025 May 13 (Tue)	04:43	05:32	71	11:57	88N	18:21	289	19:11
2025 May 14 (Wed)	04:42	05:32	70	11:57	87N	18:22	290	19:12
2025 May 15 (Thu)	04:42	05:32	70	11:57	87N	18:22	290	19:12
2025 May 16 (Fri)	04:42	05:32	70	11:57	87N	18:22	290	19:12
2025 May 17 (Sat)	04:41	05:31	70	11:57	87N	18:23	290	19:13
2025 May 18 (Sun)	04:41	05:31	69	11:57	86N	18:23	291	19:13
2025 May 19 (Mon)	04:41	05:31	69	11:57	86N	18:23	291	19:14
2025 May 20 (Tue)	04:40	05:31	69	11:57	86N	18:24	291	19:14
2025 May 21 (Wed)	04:40	05:30	69	11:57	86N	18:24	291	19:14
2025 May 22 (Thu)	04:40	05:30	69	11:57	86N	18:24	292	19:15
2025 May 23 (Fri)	04:40	05:30	68	11:57	85N	18:25	292	19:15
2025 May 24 (Sat)	04:39	05:30	68	11:57	85N	18:25	292	19:16
2025 May 25 (Sun)	04:39	05:30	68	11:57	85N	18:25	292	19:16
2025 May 26 (Mon)	04:39	05:30	68	11:58	85N	18:26	292	19:16
2025 May 27 (Tue)	04:39	05:30	68	11:58	85N	18:26	292	19:17
2025 May 28 (Wed)	04:39	05:29	67	11:58	84N	18:26	293	19:17
2025 May 29 (Thu)	04:38	05:29	67	11:58	84N	18:27	293	19:18
2025 May 30 (Fri)	04:38	05:29	67	11:58	84N	18:27	293	19:18
2025 May 31 (Sat)	04:38	05:29	67	11:58	84N	18:27	293	19:18
2025 Jun 01 (Sun)	04:38	05:29	67	11:58	84N	18:28	293	19:19
2025 Jun 02 (Mon)	04:38	05:29	67	11:59	84N	18:28	293	19:19
2025 Jun 03 (Tue)	04:38	05:29	67	11:59	84N	18:28	293	19:20
2025 Jun 04 (Wed)	04:38	05:29	66	11:59	83N	18:29	294	19:20
2025 Jun 05 (Thu)	04:38	05:29	66	11:59	83N	18:29	294	19:20
2025 Jun 06 (Fri)	04:38	05:29	66	11:59	83N	18:29	294	19:21
2025 Jun 07 (Sat)	04:38	05:29	66	11:59	83N	18:30	294	19:21
2025 Jun 08 (Sun)	04:38	05:29	66	12:00	83N	18:30	294	19:21
2025 Jun 09 (Mon)	04:38	05:30	66	12:00	83N	18:30	294	19:22
2025 Jun 10 (Tue)	04:38	05:30	66	12:00	83N	18:30	294	19:22
2025 Jun 11 (Wed)	04:38	05:30	66	12:00	83N	18:31	294	19:22
2025 Jun 12 (Thu)	04:38	05:30	66	12:00	83N	18:31	294	19:23
2025 Jun 13 (Fri)	04:38	05:30	66	12:01	83N	18:31	294	19:23
2025 Jun 14 (Sat)	04:38	05:30	66	12:01	83N	18:32	294	19:23
2025 Jun 15 (Sun)	04:39	05:30	66	12:01	83N	18:32	294	19:24
2025 Jun 16 (Mon)	04:39	05:30	65	12:01	83N	18:32	295	19:24
2025 Jun 17 (Tue)	04:39	05:31	65	12:01	83N	18:32	295	19:24
2025 Jun 18 (Wed)	04:39	05:31	65	12:02	83N	18:33	295	19:24
2025 Jun 19 (Thu)	04:39	05:31	65	12:02	83N	18:33	295	19:25
2025 Jun 20 (Fri)	04:39	05:31	65	12:02	83N	18:33	295	19:25
2025 Jun 21 (Sat)	04:40	05:31	65	12:02	83N	18:33	295	19:25
2025 Jun 22 (Sun)	04:40	05:32	65	12:03	83N	18:34	295	19:25
2025 Jun 23 (Mon)	04:40	05:32	65	12:03	83N	18:34	295	19:25
2025 Jun 24 (Tue)	04:40	05:32	65	12:03	83N	18:34	295	19:26
2025 Jun 25 (Wed)	04:41	05:32	65	12:03	83N	18:34	295	19:26
2025 Jun 26 (Thu)	04:41	05:33	65	12:03	83N	18:34	294	19:26
2025 Jun 27 (Fri)	04:41	05:33	66	12:04	83N	18:34	294	19:26
2025 Jun 28 (Sat)	04:41	05:33	66	12:04	83N	18:35	294	19:26
2025 Jun 29 (Sun)	04:42	05:33	66	12:04	83N	18:35	294	19:26
2025 Jun 30 (Mon)	04:42	05:34	66	12:04	83N	18:35	294	19:26
2025 Jul 01 (Tue)	04:42	05:34	66	12:04	83N	18:35	294	19:27
2025 Jul 02 (Wed)	04:43	05:34	66	12:05	83N	18:35	294	19:27
2025 Jul 03 (Thu)	04:43	05:34	66	12:05	83N	18:35	294	19:27
2025 Jul 04 (Fri)	04:43	05:35	66	12:05	83N	18:35	294	19:27
2025 Jul 05 (Sat)	04:44	05:35	66	12:05	83N	18:35	294	19:27
2025 Jul 06 (Sun)	04:44	05:35	66	12:05	83N	18:35	294	19:27
2025 Jul 07 (Mon)	04:44	05:36	66	12:06	83N	18:35	294	19:27
2025 Jul 08 (Tue)	04:45	05:36	66	12:06	84N	18:35	294	19:27

2025	Jul	09	(Wed)	04:45	05:36	67	12:06	84N	18:35	293	19:26
2025	Jul	10	(Thu)	04:45	05:37	67	12:06	84N	18:35	293	19:26
2025	Jul	11	(Fri)	04:46	05:37	67	12:06	84N	18:35	293	19:26
2025	Jul	12	(Sat)	04:46	05:37	67	12:06	84N	18:35	293	19:26
2025	Jul	13	(Sun)	04:46	05:38	67	12:06	84N	18:35	293	19:26
2025	Jul	14	(Mon)	04:47	05:38	67	12:06	84N	18:35	293	19:26
2025	Jul	15	(Tue)	04:47	05:38	67	12:07	84N	18:35	293	19:26
2025	Jul	16	(Wed)	04:48	05:38	68	12:07	85N	18:35	292	19:26
2025	Jul	17	(Thu)	04:48	05:39	68	12:07	85N	18:35	292	19:25
2025	Jul	18	(Fri)	04:48	05:39	68	12:07	85N	18:34	292	19:25
2025	Jul	19	(Sat)	04:49	05:39	68	12:07	85N	18:34	292	19:25
2025	Jul	20	(Sun)	04:49	05:40	68	12:07	85N	18:34	292	19:25
2025	Jul	21	(Mon)	04:49	05:40	69	12:07	86N	18:34	291	19:24
2025	Jul	22	(Tue)	04:50	05:40	69	12:07	86N	18:34	291	19:24
2025	Jul	23	(Wed)	04:50	05:41	69	12:07	86N	18:33	291	19:24
2025	Jul	24	(Thu)	04:51	05:41	69	12:07	86N	18:33	291	19:23
2025	Jul	25	(Fri)	04:51	05:41	69	12:07	86N	18:33	291	19:23
2025	Jul	26	(Sat)	04:51	05:41	70	12:07	87N	18:33	290	19:23
2025	Jul	27	(Sun)	04:52	05:42	70	12:07	87N	18:32	290	19:22
2025	Jul	28	(Mon)	04:52	05:42	70	12:07	87N	18:32	290	19:22
2025	Jul	29	(Tue)	04:52	05:42	70	12:07	87N	18:32	290	19:21
2025	Jul	30	(Wed)	04:53	05:42	71	12:07	88N	18:31	289	19:21
2025	Jul	31	(Thu)	04:53	05:43	71	12:07	88N	18:31	289	19:21
2025	Aug	01	(Fri)	04:53	05:43	71	12:07	88N	18:31	289	19:20
2025	Aug	02	(Sat)	04:54	05:43	71	12:07	88N	18:30	289	19:20
2025	Aug	03	(Sun)	04:54	05:43	72	12:07	89N	18:30	288	19:19
2025	Aug	04	(Mon)	04:54	05:44	72	12:07	89N	18:29	288	19:19
2025	Aug	05	(Tue)	04:55	05:44	72	12:07	89N	18:29	288	19:18
2025	Aug	06	(Wed)	04:55	05:44	72	12:06	89N	18:29	287	19:18
2025	Aug	07	(Thu)	04:55	05:44	73	12:06	90N	18:28	287	19:17
2025	Aug	08	(Fri)	04:56	05:45	73	12:06	90N	18:28	287	19:17
2025	Aug	09	(Sat)	04:56	05:45	73	12:06	90N	18:27	287	19:16
2025	Aug	10	(Sun)	04:56	05:45	74	12:06	90N	18:27	286	19:15
2025	Aug	11	(Mon)	04:57	05:45	74	12:06	91S	18:26	286	19:15
2025	Aug	12	(Tue)	04:57	05:45	74	12:06	90S	18:26	286	19:14
2025	Aug	13	(Wed)	04:57	05:46	75	12:05	90S	18:25	285	19:14
2025	Aug	14	(Thu)	04:57	05:46	75	12:05	90S	18:25	285	19:13
2025	Aug	15	(Fri)	04:58	05:46	75	12:05	89S	18:24	285	19:12
2025	Aug	16	(Sat)	04:58	05:46	76	12:05	89S	18:23	284	19:12
2025	Aug	17	(Sun)	04:58	05:46	76	12:05	89S	18:23	284	19:11
2025	Aug	18	(Mon)	04:58	05:46	76	12:04	88S	18:22	284	19:10
2025	Aug	19	(Tue)	04:59	05:47	77	12:04	88S	18:22	283	19:10
2025	Aug	20	(Wed)	04:59	05:47	77	12:04	88S	18:21	283	19:09
2025	Aug	21	(Thu)	04:59	05:47	77	12:04	87S	18:20	283	19:08
2025	Aug	22	(Fri)	04:59	05:47	78	12:03	87S	18:20	282	19:07
2025	Aug	23	(Sat)	04:59	05:47	78	12:03	87S	18:19	282	19:07
2025	Aug	24	(Sun)	05:00	05:47	78	12:03	86S	18:18	282	19:06
2025	Aug	25	(Mon)	05:00	05:47	79	12:03	86S	18:18	281	19:05
2025	Aug	26	(Tue)	05:00	05:47	79	12:02	86S	18:17	281	19:04
2025	Aug	27	(Wed)	05:00	05:48	79	12:02	85S	18:16	280	19:04
2025	Aug	28	(Thu)	05:00	05:48	80	12:02	85S	18:16	280	19:03
2025	Aug	29	(Fri)	05:01	05:48	80	12:02	85S	18:15	280	19:02
2025	Aug	30	(Sat)	05:01	05:48	80	12:01	84S	18:14	279	19:01
2025	Aug	31	(Sun)	05:01	05:48	81	12:01	84S	18:14	279	19:01
2025	Sep	01	(Mon)	05:01	05:48	81	12:01	84S	18:13	279	19:00
2025	Sep	02	(Tue)	05:01	05:48	82	12:00	83S	18:12	278	18:59
2025	Sep	03	(Wed)	05:01	05:48	82	12:00	83S	18:11	278	18:58
2025	Sep	04	(Thu)	05:01	05:48	82	12:00	83S	18:11	277	18:58
2025	Sep	05	(Fri)	05:02	05:48	83	11:59	82S	18:10	277	18:57
2025	Sep	06	(Sat)	05:02	05:49	83	11:59	82S	18:09	277	18:56
2025	Sep	07	(Sun)	05:02	05:49	83	11:59	81S	18:08	276	18:55
2025	Sep	08	(Mon)	05:02	05:49	84	11:58	81S	18:08	276	18:54
2025	Sep	09	(Tue)	05:02	05:49	84	11:58	81S	18:07	276	18:54
2025	Sep	10	(Wed)	05:02	05:49	85	11:58	80S	18:06	275	18:53
2025	Sep	11	(Thu)	05:02	05:49	85	11:57	80S	18:05	275	18:52
2025	Sep	12	(Fri)	05:02	05:49	85	11:57	80S	18:05	274	18:51
2025	Sep	13	(Sat)	05:02	05:49	86	11:56	79S	18:04	274	18:50

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

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

Sun

VTEU

Location: E104°52'00.0", N15°15'00.0", 406m
(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	114	12:04	52S	17:41	246	18:05
2025 Jan 02 (Thu)	06:04	06:27	114	12:05	53S	17:42	246	18:05
2025 Jan 03 (Fri)	06:04	06:27	113	12:05	53S	17:43	247	18:06
2025 Jan 04 (Sat)	06:05	06:28	113	12:05	53S	17:43	247	18:06
2025 Jan 05 (Sun)	06:05	06:28	113	12:06	53S	17:44	247	18:07
2025 Jan 06 (Mon)	06:05	06:28	113	12:06	53S	17:44	247	18:08
2025 Jan 07 (Tue)	06:06	06:29	113	12:07	53S	17:45	247	18:08
2025 Jan 08 (Wed)	06:06	06:29	113	12:07	53S	17:46	247	18:09
2025 Jan 09 (Thu)	06:06	06:29	113	12:08	53S	17:46	247	18:09
2025 Jan 10 (Fri)	06:06	06:29	113	12:08	54S	17:47	248	18:10
2025 Jan 11 (Sat)	06:07	06:30	112	12:08	54S	17:47	248	18:10
2025 Jan 12 (Sun)	06:07	06:30	112	12:09	54S	17:48	248	18:11

2025	Jan	13	(Mon)	06:07	06:30	112	12:09	54S	17:49	248	18:11
2025	Jan	14	(Tue)	06:07	06:30	112	12:10	54S	17:49	248	18:12
2025	Jan	15	(Wed)	06:07	06:30	112	12:10	54S	17:50	248	18:13
2025	Jan	16	(Thu)	06:08	06:30	111	12:10	55S	17:50	249	18:13
2025	Jan	17	(Fri)	06:08	06:31	111	12:11	55S	17:51	249	18:14
2025	Jan	18	(Sat)	06:08	06:31	111	12:11	55S	17:51	249	18:14
2025	Jan	19	(Sun)	06:08	06:31	111	12:11	55S	17:52	249	18:15
2025	Jan	20	(Mon)	06:08	06:31	111	12:12	55S	17:53	249	18:15
2025	Jan	21	(Tue)	06:08	06:31	110	12:12	56S	17:53	250	18:16
2025	Jan	22	(Wed)	06:08	06:31	110	12:12	56S	17:54	250	18:16
2025	Jan	23	(Thu)	06:08	06:31	110	12:12	56S	17:54	250	18:17
2025	Jan	24	(Fri)	06:08	06:31	110	12:13	56S	17:55	250	18:17
2025	Jan	25	(Sat)	06:08	06:31	109	12:13	57S	17:55	251	18:18
2025	Jan	26	(Sun)	06:08	06:31	109	12:13	57S	17:56	251	18:18
2025	Jan	27	(Mon)	06:08	06:30	109	12:13	57S	17:56	251	18:19
2025	Jan	28	(Tue)	06:08	06:30	109	12:13	57S	17:57	251	18:19
2025	Jan	29	(Wed)	06:08	06:30	108	12:14	58S	17:57	252	18:20
2025	Jan	30	(Thu)	06:08	06:30	108	12:14	58S	17:58	252	18:20
2025	Jan	31	(Fri)	06:07	06:30	108	12:14	58S	17:58	252	18:21
2025	Feb	01	(Sat)	06:07	06:30	108	12:14	58S	17:59	253	18:21
2025	Feb	02	(Sun)	06:07	06:29	107	12:14	59S	17:59	253	18:21
2025	Feb	03	(Mon)	06:07	06:29	107	12:14	59S	18:00	253	18:22
2025	Feb	04	(Tue)	06:07	06:29	107	12:14	59S	18:00	254	18:22
2025	Feb	05	(Wed)	06:06	06:29	106	12:15	60S	18:00	254	18:23
2025	Feb	06	(Thu)	06:06	06:28	106	12:15	60S	18:01	254	18:23
2025	Feb	07	(Fri)	06:06	06:28	106	12:15	60S	18:01	255	18:23
2025	Feb	08	(Sat)	06:06	06:28	105	12:15	61S	18:02	255	18:24
2025	Feb	09	(Sun)	06:05	06:27	105	12:15	61S	18:02	255	18:24
2025	Feb	10	(Mon)	06:05	06:27	105	12:15	61S	18:02	256	18:25
2025	Feb	11	(Tue)	06:05	06:27	104	12:15	62S	18:03	256	18:25
2025	Feb	12	(Wed)	06:04	06:26	104	12:15	62S	18:03	256	18:25
2025	Feb	13	(Thu)	06:04	06:26	104	12:15	62S	18:04	257	18:26
2025	Feb	14	(Fri)	06:04	06:26	103	12:15	63S	18:04	257	18:26
2025	Feb	15	(Sat)	06:03	06:25	103	12:15	63S	18:04	257	18:26
2025	Feb	16	(Sun)	06:03	06:25	103	12:15	63S	18:05	258	18:26
2025	Feb	17	(Mon)	06:02	06:24	102	12:14	64S	18:05	258	18:27
2025	Feb	18	(Tue)	06:02	06:24	102	12:14	64S	18:05	258	18:27
2025	Feb	19	(Wed)	06:01	06:23	101	12:14	64S	18:06	259	18:27
2025	Feb	20	(Thu)	06:01	06:23	101	12:14	65S	18:06	259	18:28
2025	Feb	21	(Fri)	06:01	06:22	101	12:14	65S	18:06	259	18:28
2025	Feb	22	(Sat)	06:00	06:22	100	12:14	65S	18:06	260	18:28
2025	Feb	23	(Sun)	06:00	06:21	100	12:14	66S	18:07	260	18:28
2025	Feb	24	(Mon)	05:59	06:21	100	12:14	66S	18:07	261	18:29
2025	Feb	25	(Tue)	05:58	06:20	99	12:14	66S	18:07	261	18:29
2025	Feb	26	(Wed)	05:58	06:20	99	12:13	67S	18:07	261	18:29
2025	Feb	27	(Thu)	05:57	06:19	98	12:13	67S	18:08	262	18:29
2025	Feb	28	(Fri)	05:57	06:18	98	12:13	68S	18:08	262	18:30
2025	Mar	01	(Sat)	05:56	06:18	98	12:13	68S	18:08	263	18:30
2025	Mar	02	(Sun)	05:56	06:17	97	12:13	68S	18:08	263	18:30
2025	Mar	03	(Mon)	05:55	06:16	97	12:12	69S	18:09	263	18:30
2025	Mar	04	(Tue)	05:54	06:16	96	12:12	69S	18:09	264	18:30
2025	Mar	05	(Wed)	05:54	06:15	96	12:12	70S	18:09	264	18:31
2025	Mar	06	(Thu)	05:53	06:15	96	12:12	70S	18:09	265	18:31
2025	Mar	07	(Fri)	05:52	06:14	95	12:12	70S	18:09	265	18:31
2025	Mar	08	(Sat)	05:52	06:13	95	12:11	71S	18:10	265	18:31
2025	Mar	09	(Sun)	05:51	06:13	94	12:11	71S	18:10	266	18:31
2025	Mar	10	(Mon)	05:50	06:12	94	12:11	71S	18:10	266	18:31
2025	Mar	11	(Tue)	05:50	06:11	94	12:11	72S	18:10	267	18:32
2025	Mar	12	(Wed)	05:49	06:10	93	12:10	72S	18:10	267	18:32
2025	Mar	13	(Thu)	05:48	06:10	93	12:10	73S	18:10	267	18:32
2025	Mar	14	(Fri)	05:48	06:09	92	12:10	73S	18:11	268	18:32
2025	Mar	15	(Sat)	05:47	06:08	92	12:09	73S	18:11	268	18:32
2025	Mar	16	(Sun)	05:46	06:08	92	12:09	74S	18:11	269	18:32
2025	Mar	17	(Mon)	05:46	06:07	91	12:09	74S	18:11	269	18:32
2025	Mar	18	(Tue)	05:45	06:06	91	12:09	75S	18:11	269	18:33
2025	Mar	19	(Wed)	05:44	06:06	90	12:08	75S	18:11	270	18:33
2025	Mar	20	(Thu)	05:43	06:05	90	12:08	75S	18:11	270	18:33

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

2025	May	27	(Tue)	05:06	05:30	68	11:58	85N	18:26	292	18:49
2025	May	28	(Wed)	05:06	05:29	67	11:58	84N	18:26	293	18:50
2025	May	29	(Thu)	05:06	05:29	67	11:58	84N	18:27	293	18:50
2025	May	30	(Fri)	05:06	05:29	67	11:58	84N	18:27	293	18:50
2025	May	31	(Sat)	05:06	05:29	67	11:58	84N	18:27	293	18:51
2025	Jun	01	(Sun)	05:06	05:29	67	11:58	84N	18:28	293	18:51
2025	Jun	02	(Mon)	05:06	05:29	67	11:59	84N	18:28	293	18:51
2025	Jun	03	(Tue)	05:06	05:29	67	11:59	84N	18:28	293	18:52
2025	Jun	04	(Wed)	05:06	05:29	66	11:59	83N	18:29	294	18:52
2025	Jun	05	(Thu)	05:06	05:29	66	11:59	83N	18:29	294	18:52
2025	Jun	06	(Fri)	05:06	05:29	66	11:59	83N	18:29	294	18:53
2025	Jun	07	(Sat)	05:06	05:29	66	11:59	83N	18:30	294	18:53
2025	Jun	08	(Sun)	05:06	05:29	66	12:00	83N	18:30	294	18:53
2025	Jun	09	(Mon)	05:06	05:30	66	12:00	83N	18:30	294	18:54
2025	Jun	10	(Tue)	05:06	05:30	66	12:00	83N	18:30	294	18:54
2025	Jun	11	(Wed)	05:06	05:30	66	12:00	83N	18:31	294	18:54
2025	Jun	12	(Thu)	05:06	05:30	66	12:00	83N	18:31	294	18:55
2025	Jun	13	(Fri)	05:06	05:30	66	12:01	83N	18:31	294	18:55
2025	Jun	14	(Sat)	05:06	05:30	66	12:01	83N	18:32	294	18:55
2025	Jun	15	(Sun)	05:07	05:30	66	12:01	83N	18:32	294	18:56
2025	Jun	16	(Mon)	05:07	05:30	65	12:01	83N	18:32	295	18:56
2025	Jun	17	(Tue)	05:07	05:31	65	12:01	83N	18:32	295	18:56
2025	Jun	18	(Wed)	05:07	05:31	65	12:02	83N	18:33	295	18:56
2025	Jun	19	(Thu)	05:07	05:31	65	12:02	83N	18:33	295	18:57
2025	Jun	20	(Fri)	05:07	05:31	65	12:02	83N	18:33	295	18:57
2025	Jun	21	(Sat)	05:08	05:31	65	12:02	83N	18:33	295	18:57
2025	Jun	22	(Sun)	05:08	05:32	65	12:03	83N	18:34	295	18:57
2025	Jun	23	(Mon)	05:08	05:32	65	12:03	83N	18:34	295	18:57
2025	Jun	24	(Tue)	05:08	05:32	65	12:03	83N	18:34	295	18:58
2025	Jun	25	(Wed)	05:09	05:32	65	12:03	83N	18:34	295	18:58
2025	Jun	26	(Thu)	05:09	05:33	65	12:03	83N	18:34	294	18:58
2025	Jun	27	(Fri)	05:09	05:33	66	12:04	83N	18:34	294	18:58
2025	Jun	28	(Sat)	05:09	05:33	66	12:04	83N	18:35	294	18:58
2025	Jun	29	(Sun)	05:10	05:33	66	12:04	83N	18:35	294	18:58
2025	Jun	30	(Mon)	05:10	05:34	66	12:04	83N	18:35	294	18:58
2025	Jul	01	(Tue)	05:10	05:34	66	12:04	83N	18:35	294	18:59
2025	Jul	02	(Wed)	05:11	05:34	66	12:05	83N	18:35	294	18:59
2025	Jul	03	(Thu)	05:11	05:34	66	12:05	83N	18:35	294	18:59
2025	Jul	04	(Fri)	05:11	05:35	66	12:05	83N	18:35	294	18:59
2025	Jul	05	(Sat)	05:11	05:35	66	12:05	83N	18:35	294	18:59
2025	Jul	06	(Sun)	05:12	05:35	66	12:05	83N	18:35	294	18:59
2025	Jul	07	(Mon)	05:12	05:36	66	12:06	83N	18:35	294	18:59
2025	Jul	08	(Tue)	05:12	05:36	66	12:06	84N	18:35	294	18:59
2025	Jul	09	(Wed)	05:13	05:36	67	12:06	84N	18:35	293	18:59
2025	Jul	10	(Thu)	05:13	05:37	67	12:06	84N	18:35	293	18:59
2025	Jul	11	(Fri)	05:13	05:37	67	12:06	84N	18:35	293	18:59
2025	Jul	12	(Sat)	05:14	05:37	67	12:06	84N	18:35	293	18:59
2025	Jul	13	(Sun)	05:14	05:38	67	12:06	84N	18:35	293	18:58
2025	Jul	14	(Mon)	05:14	05:38	67	12:06	84N	18:35	293	18:58
2025	Jul	15	(Tue)	05:15	05:38	67	12:07	84N	18:35	293	18:58
2025	Jul	16	(Wed)	05:15	05:38	68	12:07	85N	18:35	292	18:58
2025	Jul	17	(Thu)	05:15	05:39	68	12:07	85N	18:35	292	18:58
2025	Jul	18	(Fri)	05:16	05:39	68	12:07	85N	18:34	292	18:58
2025	Jul	19	(Sat)	05:16	05:39	68	12:07	85N	18:34	292	18:58
2025	Jul	20	(Sun)	05:16	05:40	68	12:07	85N	18:34	292	18:57
2025	Jul	21	(Mon)	05:17	05:40	69	12:07	86N	18:34	291	18:57
2025	Jul	22	(Tue)	05:17	05:40	69	12:07	86N	18:34	291	18:57
2025	Jul	23	(Wed)	05:17	05:41	69	12:07	86N	18:33	291	18:57
2025	Jul	24	(Thu)	05:18	05:41	69	12:07	86N	18:33	291	18:56
2025	Jul	25	(Fri)	05:18	05:41	69	12:07	86N	18:33	291	18:56
2025	Jul	26	(Sat)	05:18	05:41	70	12:07	87N	18:33	290	18:56
2025	Jul	27	(Sun)	05:19	05:42	70	12:07	87N	18:32	290	18:55
2025	Jul	28	(Mon)	05:19	05:42	70	12:07	87N	18:32	290	18:55
2025	Jul	29	(Tue)	05:19	05:42	70	12:07	87N	18:32	290	18:55
2025	Jul	30	(Wed)	05:20	05:42	71	12:07	88N	18:31	289	18:54
2025	Jul	31	(Thu)	05:20	05:43	71	12:07	88N	18:31	289	18:54
2025	Aug	01	(Fri)	05:20	05:43	71	12:07	88N	18:31	289	18:53

2025 Aug 02 (Sat)	05:20	05:43	71	12:07 88N	18:30 289	18:53
2025 Aug 03 (Sun)	05:21	05:43	72	12:07 89N	18:30 288	18:53
2025 Aug 04 (Mon)	05:21	05:44	72	12:07 89N	18:29 288	18:52
2025 Aug 05 (Tue)	05:21	05:44	72	12:07 89N	18:29 288	18:52
2025 Aug 06 (Wed)	05:22	05:44	72	12:06 89N	18:29 287	18:51
2025 Aug 07 (Thu)	05:22	05:44	73	12:06 90N	18:28 287	18:51
2025 Aug 08 (Fri)	05:22	05:45	73	12:06 90N	18:28 287	18:50
2025 Aug 09 (Sat)	05:22	05:45	73	12:06 90N	18:27 287	18:50
2025 Aug 10 (Sun)	05:23	05:45	74	12:06 90N	18:27 286	18:49
2025 Aug 11 (Mon)	05:23	05:45	74	12:06 91S	18:26 286	18:49
2025 Aug 12 (Tue)	05:23	05:45	74	12:06 90S	18:26 286	18:48
2025 Aug 13 (Wed)	05:23	05:46	75	12:05 90S	18:25 285	18:47
2025 Aug 14 (Thu)	05:23	05:46	75	12:05 90S	18:25 285	18:47
2025 Aug 15 (Fri)	05:24	05:46	75	12:05 89S	18:24 285	18:46
2025 Aug 16 (Sat)	05:24	05:46	76	12:05 89S	18:23 284	18:46
2025 Aug 17 (Sun)	05:24	05:46	76	12:05 89S	18:23 284	18:45
2025 Aug 18 (Mon)	05:24	05:46	76	12:04 88S	18:22 284	18:44
2025 Aug 19 (Tue)	05:24	05:47	77	12:04 88S	18:22 283	18:44
2025 Aug 20 (Wed)	05:25	05:47	77	12:04 88S	18:21 283	18:43
2025 Aug 21 (Thu)	05:25	05:47	77	12:04 87S	18:20 283	18:42
2025 Aug 22 (Fri)	05:25	05:47	78	12:03 87S	18:20 282	18:42
2025 Aug 23 (Sat)	05:25	05:47	78	12:03 87S	18:19 282	18:41
2025 Aug 24 (Sun)	05:25	05:47	78	12:03 86S	18:18 282	18:40
2025 Aug 25 (Mon)	05:25	05:47	79	12:03 86S	18:18 281	18:40
2025 Aug 26 (Tue)	05:26	05:47	79	12:02 86S	18:17 281	18:39
2025 Aug 27 (Wed)	05:26	05:48	79	12:02 85S	18:16 280	18:38
2025 Aug 28 (Thu)	05:26	05:48	80	12:02 85S	18:16 280	18:38
2025 Aug 29 (Fri)	05:26	05:48	80	12:02 85S	18:15 280	18:37
2025 Aug 30 (Sat)	05:26	05:48	80	12:01 84S	18:14 279	18:36
2025 Aug 31 (Sun)	05:26	05:48	81	12:01 84S	18:14 279	18:35
2025 Sep 01 (Mon)	05:26	05:48	81	12:01 84S	18:13 279	18:35
2025 Sep 02 (Tue)	05:26	05:48	82	12:00 83S	18:12 278	18:34
2025 Sep 03 (Wed)	05:27	05:48	82	12:00 83S	18:11 278	18:33
2025 Sep 04 (Thu)	05:27	05:48	82	12:00 83S	18:11 277	18:32
2025 Sep 05 (Fri)	05:27	05:48	83	11:59 82S	18:10 277	18:32
2025 Sep 06 (Sat)	05:27	05:49	83	11:59 82S	18:09 277	18:31
2025 Sep 07 (Sun)	05:27	05:49	83	11:59 81S	18:08 276	18:30
2025 Sep 08 (Mon)	05:27	05:49	84	11:58 81S	18:08 276	18:29
2025 Sep 09 (Tue)	05:27	05:49	84	11:58 81S	18:07 276	18:28
2025 Sep 10 (Wed)	05:27	05:49	85	11:58 80S	18:06 275	18:28
2025 Sep 11 (Thu)	05:27	05:49	85	11:57 80S	18:05 275	18:27
2025 Sep 12 (Fri)	05:27	05:49	85	11:57 80S	18:05 274	18:26
2025 Sep 13 (Sat)	05:27	05:49	86	11:56 79S	18:04 274	18:25
2025 Sep 14 (Sun)	05:28	05:49	86	11:56 79S	18:03 274	18:24
2025 Sep 15 (Mon)	05:28	05:49	87	11:56 78S	18:02 273	18:24
2025 Sep 16 (Tue)	05:28	05:49	87	11:55 78S	18:01 273	18:23
2025 Sep 17 (Wed)	05:28	05:49	87	11:55 78S	18:01 272	18:22
2025 Sep 18 (Thu)	05:28	05:49	88	11:55 77S	18:00 272	18:21
2025 Sep 19 (Fri)	05:28	05:49	88	11:54 77S	17:59 272	18:21
2025 Sep 20 (Sat)	05:28	05:49	89	11:54 76S	17:58 271	18:20
2025 Sep 21 (Sun)	05:28	05:50	89	11:54 76S	17:58 271	18:19
2025 Sep 22 (Mon)	05:28	05:50	89	11:53 76S	17:57 270	18:18
2025 Sep 23 (Tue)	05:28	05:50	90	11:53 75S	17:56 270	18:17
2025 Sep 24 (Wed)	05:28	05:50	90	11:53 75S	17:55 270	18:17
2025 Sep 25 (Thu)	05:28	05:50	91	11:52 75S	17:54 269	18:16
2025 Sep 26 (Fri)	05:28	05:50	91	11:52 74S	17:54 269	18:15
2025 Sep 27 (Sat)	05:29	05:50	91	11:52 74S	17:53 268	18:14
2025 Sep 28 (Sun)	05:29	05:50	92	11:51 73S	17:52 268	18:14
2025 Sep 29 (Mon)	05:29	05:50	92	11:51 73S	17:51 268	18:13
2025 Sep 30 (Tue)	05:29	05:50	93	11:51 73S	17:51 267	18:12
2025 Oct 01 (Wed)	05:29	05:50	93	11:50 72S	17:50 267	18:11
2025 Oct 02 (Thu)	05:29	05:50	93	11:50 72S	17:49 266	18:11
2025 Oct 03 (Fri)	05:29	05:51	94	11:50 71S	17:48 266	18:10
2025 Oct 04 (Sat)	05:29	05:51	94	11:49 71S	17:48 266	18:09
2025 Oct 05 (Sun)	05:29	05:51	95	11:49 71S	17:47 265	18:08
2025 Oct 06 (Mon)	05:29	05:51	95	11:49 70S	17:46 265	18:08
2025 Oct 07 (Tue)	05:30	05:51	95	11:48 70S	17:46 264	18:07

2025	Oct	08	(Wed)	05:30	05:51	96	11:48	69S	17:45	264	18:06
2025	Oct	09	(Thu)	05:30	05:51	96	11:48	69S	17:44	264	18:06
2025	Oct	10	(Fri)	05:30	05:51	97	11:48	69S	17:43	263	18:05
2025	Oct	11	(Sat)	05:30	05:52	97	11:47	68S	17:43	263	18:04
2025	Oct	12	(Sun)	05:30	05:52	97	11:47	68S	17:42	262	18:04
2025	Oct	13	(Mon)	05:30	05:52	98	11:47	68S	17:41	262	18:03
2025	Oct	14	(Tue)	05:30	05:52	98	11:47	67S	17:41	262	18:02
2025	Oct	15	(Wed)	05:31	05:52	99	11:46	67S	17:40	261	18:02
2025	Oct	16	(Thu)	05:31	05:52	99	11:46	66S	17:40	261	18:01
2025	Oct	17	(Fri)	05:31	05:53	99	11:46	66S	17:39	260	18:01
2025	Oct	18	(Sat)	05:31	05:53	100	11:46	66S	17:38	260	18:00
2025	Oct	19	(Sun)	05:31	05:53	100	11:46	65S	17:38	260	18:00
2025	Oct	20	(Mon)	05:32	05:53	100	11:45	65S	17:37	259	17:59
2025	Oct	21	(Tue)	05:32	05:54	101	11:45	65S	17:37	259	17:58
2025	Oct	22	(Wed)	05:32	05:54	101	11:45	64S	17:36	259	17:58
2025	Oct	23	(Thu)	05:32	05:54	102	11:45	64S	17:36	258	17:57
2025	Oct	24	(Fri)	05:32	05:54	102	11:45	64S	17:35	258	17:57
2025	Oct	25	(Sat)	05:33	05:55	102	11:45	63S	17:35	258	17:56
2025	Oct	26	(Sun)	05:33	05:55	103	11:45	63S	17:34	257	17:56
2025	Oct	27	(Mon)	05:33	05:55	103	11:44	63S	17:34	257	17:56
2025	Oct	28	(Tue)	05:33	05:55	103	11:44	62S	17:33	256	17:55
2025	Oct	29	(Wed)	05:34	05:56	104	11:44	62S	17:33	256	17:55
2025	Oct	30	(Thu)	05:34	05:56	104	11:44	62S	17:32	256	17:54
2025	Oct	31	(Fri)	05:34	05:56	104	11:44	61S	17:32	255	17:54
2025	Nov	01	(Sat)	05:35	05:57	105	11:44	61S	17:31	255	17:54
2025	Nov	02	(Sun)	05:35	05:57	105	11:44	61S	17:31	255	17:53
2025	Nov	03	(Mon)	05:35	05:57	105	11:44	60S	17:31	254	17:53
2025	Nov	04	(Tue)	05:36	05:58	106	11:44	60S	17:30	254	17:53
2025	Nov	05	(Wed)	05:36	05:58	106	11:44	60S	17:30	254	17:52
2025	Nov	06	(Thu)	05:36	05:58	106	11:44	59S	17:30	254	17:52
2025	Nov	07	(Fri)	05:37	05:59	107	11:44	59S	17:29	253	17:52
2025	Nov	08	(Sat)	05:37	05:59	107	11:44	59S	17:29	253	17:51
2025	Nov	09	(Sun)	05:37	06:00	107	11:44	59S	17:29	253	17:51
2025	Nov	10	(Mon)	05:38	06:00	108	11:44	58S	17:29	252	17:51
2025	Nov	11	(Tue)	05:38	06:01	108	11:45	58S	17:28	252	17:51
2025	Nov	12	(Wed)	05:39	06:01	108	11:45	58S	17:28	252	17:51
2025	Nov	13	(Thu)	05:39	06:01	108	11:45	57S	17:28	251	17:51
2025	Nov	14	(Fri)	05:39	06:02	109	11:45	57S	17:28	251	17:50
2025	Nov	15	(Sat)	05:40	06:02	109	11:45	57S	17:28	251	17:50
2025	Nov	16	(Sun)	05:40	06:03	109	11:45	57S	17:28	251	17:50
2025	Nov	17	(Mon)	05:41	06:03	109	11:45	56S	17:28	250	17:50
2025	Nov	18	(Tue)	05:41	06:04	110	11:46	56S	17:27	250	17:50
2025	Nov	19	(Wed)	05:42	06:04	110	11:46	56S	17:27	250	17:50
2025	Nov	20	(Thu)	05:42	06:05	110	11:46	56S	17:27	250	17:50
2025	Nov	21	(Fri)	05:43	06:05	110	11:46	55S	17:27	249	17:50
2025	Nov	22	(Sat)	05:43	06:06	111	11:47	55S	17:27	249	17:50
2025	Nov	23	(Sun)	05:44	06:06	111	11:47	55S	17:27	249	17:50
2025	Nov	24	(Mon)	05:44	06:07	111	11:47	55S	17:27	249	17:50
2025	Nov	25	(Tue)	05:45	06:07	111	11:48	55S	17:27	249	17:50
2025	Nov	26	(Wed)	05:45	06:08	111	11:48	54S	17:28	248	17:50
2025	Nov	27	(Thu)	05:46	06:09	112	11:48	54S	17:28	248	17:51
2025	Nov	28	(Fri)	05:46	06:09	112	11:48	54S	17:28	248	17:51
2025	Nov	29	(Sat)	05:47	06:10	112	11:49	54S	17:28	248	17:51
2025	Nov	30	(Sun)	05:47	06:10	112	11:49	54S	17:28	248	17:51
2025	Dec	01	(Mon)	05:48	06:11	112	11:50	54S	17:28	248	17:51
2025	Dec	02	(Tue)	05:48	06:11	113	11:50	53S	17:28	247	17:52
2025	Dec	03	(Wed)	05:49	06:12	113	11:50	53S	17:29	247	17:52
2025	Dec	04	(Thu)	05:49	06:12	113	11:51	53S	17:29	247	17:52
2025	Dec	05	(Fri)	05:50	06:13	113	11:51	53S	17:29	247	17:52
2025	Dec	06	(Sat)	05:50	06:14	113	11:52	53S	17:29	247	17:53
2025	Dec	07	(Sun)	05:51	06:14	113	11:52	53S	17:30	247	17:53
2025	Dec	08	(Mon)	05:52	06:15	113	11:52	53S	17:30	247	17:53
2025	Dec	09	(Tue)	05:52	06:15	113	11:53	53S	17:30	247	17:54
2025	Dec	10	(Wed)	05:53	06:16	114	11:53	53S	17:31	246	17:54
2025	Dec	11	(Thu)	05:53	06:16	114	11:54	52S	17:31	246	17:54
2025	Dec	12	(Fri)	05:54	06:17	114	11:54	52S	17:31	246	17:55
2025	Dec	13	(Sat)	05:54	06:18	114	11:55	52S	17:32	246	17:55

2025	Dec 14	(Sun)	05:55	06:18	114	11:55	52S	17:32	246	17:55
2025	Dec 15	(Mon)	05:55	06:19	114	11:56	52S	17:33	246	17:56
2025	Dec 16	(Tue)	05:56	06:19	114	11:56	52S	17:33	246	17:56
2025	Dec 17	(Wed)	05:56	06:20	114	11:57	52S	17:33	246	17:57
2025	Dec 18	(Thu)	05:57	06:20	114	11:57	52S	17:34	246	17:57
2025	Dec 19	(Fri)	05:57	06:21	114	11:58	52S	17:34	246	17:58
2025	Dec 20	(Sat)	05:58	06:21	114	11:58	52S	17:35	246	17:58
2025	Dec 21	(Sun)	05:58	06:22	114	11:59	52S	17:35	246	17:59
2025	Dec 22	(Mon)	05:59	06:22	114	11:59	52S	17:36	246	17:59
2025	Dec 23	(Tue)	05:59	06:23	114	12:00	52S	17:36	246	18:00
2025	Dec 24	(Wed)	06:00	06:23	114	12:00	52S	17:37	246	18:00
2025	Dec 25	(Thu)	06:00	06:24	114	12:01	52S	17:37	246	18:01
2025	Dec 26	(Fri)	06:01	06:24	114	12:01	52S	17:38	246	18:01
2025	Dec 27	(Sat)	06:01	06:25	114	12:02	52S	17:38	246	18:02
2025	Dec 28	(Sun)	06:02	06:25	114	12:02	52S	17:39	246	18:02
2025	Dec 29	(Mon)	06:02	06:26	114	12:03	52S	17:40	246	18:03
2025	Dec 30	(Tue)	06:03	06:26	114	12:03	52S	17:40	246	18:03
2025	Dec 31	(Wed)	06:03	06:26	114	12:03	52S	17:41	246	18:04

Moon

VTEU

Location: E104°52'00.0", N15°15'00.0", 406m
(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)	07:36	117	13:18	50S	19:02	245
2025 Jan 02 (Thu)	08:26	113	14:12	54S	20:02	249
2025 Jan 03 (Fri)	09:12	108	15:04	59S	20:59	255
2025 Jan 04 (Sat)	09:54	101	15:53	66S	21:56	262
2025 Jan 05 (Sun)	10:34	95	16:40	73S	22:50	269
2025 Jan 06 (Mon)	11:13	87	17:27	80S	23:46	276
2025 Jan 07 (Tue)	11:54	80	18:16	86S		
2025 Jan 08 (Wed)	12:36	74	19:06	89N	00:42	283
2025 Jan 09 (Thu)	13:22	68	20:01	83N	01:41	289
2025 Jan 10 (Fri)	14:14	64	20:59	80N	02:43	294
2025 Jan 11 (Sat)	15:11	61	22:00	78N	03:46	298
2025 Jan 12 (Sun)	16:11	60	23:01	77N	04:50	300
2025 Jan 13 (Mon)	17:13	62			05:50	299
2025 Jan 14 (Tue)	18:14	65	00:01	79N	06:45	297
2025 Jan 15 (Wed)	19:11	69	00:56	83N	07:34	293
2025 Jan 16 (Thu)	20:05	75	01:46	87N	08:17	288
2025 Jan 17 (Fri)	20:54	81	02:32	89S	08:56	282
2025 Jan 18 (Sat)	21:42	87	03:14	83S	09:31	276
2025 Jan 19 (Sun)	22:28	93	03:55	77S	10:04	270
2025 Jan 20 (Mon)	23:14	99	04:34	71S	10:37	264
2025 Jan 21 (Tue)			05:13	65S	11:10	258
2025 Jan 22 (Wed)	00:00	105	05:54	60S	11:45	253
2025 Jan 23 (Thu)	00:49	110	06:38	55S	12:24	248
2025 Jan 24 (Fri)	01:41	114	07:25	51S	13:07	244
2025 Jan 25 (Sat)	02:35	117	08:15	48S	13:55	242
2025 Jan 26 (Sun)	03:31	119	09:10	46S	14:48	240
2025 Jan 27 (Mon)	04:29	120	10:07	47S	15:46	241
2025 Jan 28 (Tue)	05:24	118	11:05	48S	16:47	243
2025 Jan 29 (Wed)	06:17	115	12:01	52S	17:48	247
2025 Jan 30 (Thu)	07:05	110	12:55	57S	18:49	253
2025 Jan 31 (Fri)	07:50	104	13:47	63S	19:47	259
2025 Feb 01 (Sat)	08:32	97	14:36	70S	20:44	267
2025 Feb 02 (Sun)	09:13	90	15:24	77S	21:40	274
2025 Feb 03 (Mon)	09:53	82	16:13	85S	22:37	281
2025 Feb 04 (Tue)	10:35	75	17:03	90N	23:36	288
2025 Feb 05 (Wed)	11:20	69	17:56	85N		
2025 Feb 06 (Thu)	12:10	65	18:53	80N	00:36	293

2025 Feb 07 (Fri)	13:04 62	19:52 78N	01:39 297
2025 Feb 08 (Sat)	14:02 60	20:52 77N	02:41 299
2025 Feb 09 (Sun)	15:03 61	21:51 78N	03:42 300
2025 Feb 10 (Mon)	16:03 64	22:47 81N	04:38 298
2025 Feb 11 (Tue)	17:00 68	23:38 85N	05:28 294
2025 Feb 12 (Wed)	17:55 73		06:12 290
2025 Feb 13 (Thu)	18:46 78	00:25 91N	06:52 285
2025 Feb 14 (Fri)	19:34 84	01:09 85S	07:28 279
2025 Feb 15 (Sat)	20:21 91	01:50 79S	08:02 272
2025 Feb 16 (Sun)	21:07 97	02:30 73S	08:35 266
2025 Feb 17 (Mon)	21:53 103	03:09 67S	09:08 260
2025 Feb 18 (Tue)	22:41 108	03:49 62S	09:43 255
2025 Feb 19 (Wed)	23:31 113	04:32 57S	10:19 250
2025 Feb 20 (Thu)		05:17 52S	11:00 246
2025 Feb 21 (Fri)	00:24 116	06:05 49S	11:45 242
2025 Feb 22 (Sat)	01:18 119	06:57 47S	12:35 241
2025 Feb 23 (Sun)	02:14 120	07:52 46S	13:30 240
2025 Feb 24 (Mon)	03:10 119	08:49 47S	14:29 242
2025 Feb 25 (Tue)	04:03 117	09:45 50S	15:30 245
2025 Feb 26 (Wed)	04:54 113	10:41 54S	16:31 250
2025 Feb 27 (Thu)	05:40 107	11:34 60S	17:31 256
2025 Feb 28 (Fri)	06:24 100	12:25 67S	18:30 263
2025 Mar 01 (Sat)	07:06 93	13:15 74S	19:28 271
2025 Mar 02 (Sun)	07:48 85	14:05 82S	20:27 279
2025 Mar 03 (Mon)	08:31 78	14:57 89S	21:27 286
2025 Mar 04 (Tue)	09:16 71	15:50 86N	22:28 292
2025 Mar 05 (Wed)	10:06 66	16:47 81N	23:32 296
2025 Mar 06 (Thu)	10:59 62	17:46 78N	
2025 Mar 07 (Fri)	11:57 60	18:47 77N	00:35 299
2025 Mar 08 (Sat)	12:57 60	19:46 78N	01:37 300
2025 Mar 09 (Sun)	13:56 62	20:42 80N	02:34 299
2025 Mar 10 (Mon)	14:54 66	21:34 84N	03:25 296
2025 Mar 11 (Tue)	15:49 71	22:22 89N	04:10 292
2025 Mar 12 (Wed)	16:40 76	23:06 87S	04:51 287
2025 Mar 13 (Thu)	17:29 82	23:47 81S	05:28 281
2025 Mar 14 (Fri)	18:16 88		06:02 275
2025 Mar 15 (Sat)	19:02 94	00:27 75S	06:35 269
2025 Mar 16 (Sun)	19:48 100	01:07 69S	07:08 263
2025 Mar 17 (Mon)	20:35 106	01:46 64S	07:42 257
2025 Mar 18 (Tue)	21:24 111	02:28 58S	08:17 252
2025 Mar 19 (Wed)	22:16 115	03:12 54S	08:56 247
2025 Mar 20 (Thu)	23:09 118	03:58 50S	09:39 243
2025 Mar 21 (Fri)		04:48 47S	10:26 241
2025 Mar 22 (Sat)	00:03 120	05:41 46S	11:18 240
2025 Mar 23 (Sun)	00:58 120	06:36 46S	12:14 241
2025 Mar 24 (Mon)	01:51 118	07:31 48S	13:13 243
2025 Mar 25 (Tue)	02:42 115	08:26 52S	14:12 247
2025 Mar 26 (Wed)	03:29 110	09:19 57S	15:12 253
2025 Mar 27 (Thu)	04:13 104	10:10 63S	16:11 259
2025 Mar 28 (Fri)	04:56 97	11:00 70S	17:09 267
2025 Mar 29 (Sat)	05:38 89	11:51 78S	18:08 275
2025 Mar 30 (Sun)	06:21 82	12:43 85S	19:09 282
2025 Mar 31 (Mon)	07:06 74	13:37 89N	20:12 289
2025 Apr 01 (Tue)	07:56 68	14:35 83N	21:18 295
2025 Apr 02 (Wed)	08:50 64	15:36 79N	22:24 298
2025 Apr 03 (Thu)	09:48 61	16:38 77N	23:28 300
2025 Apr 04 (Fri)	10:49 60	17:39 77N	
2025 Apr 05 (Sat)	11:50 62	18:37 79N	00:28 299
2025 Apr 06 (Sun)	12:49 65	19:31 83N	01:22 297
2025 Apr 07 (Mon)	13:45 69	20:20 87N	02:10 293
2025 Apr 08 (Tue)	14:37 74	21:05 89S	02:51 288
2025 Apr 09 (Wed)	15:26 80	21:47 83S	03:29 283
2025 Apr 10 (Thu)	16:13 86	22:27 77S	04:04 277
2025 Apr 11 (Fri)	16:59 92	23:06 71S	04:37 271
2025 Apr 12 (Sat)	17:45 98	23:45 66S	05:09 265
2025 Apr 13 (Sun)	18:32 104		05:43 259
2025 Apr 14 (Mon)	19:20 109	00:26 60S	06:18 253

2025 Apr 15 (Tue)	20:11 114	01:09 55S	06:55 249
2025 Apr 16 (Wed)	21:03 117	01:55 51S	07:37 245
2025 Apr 17 (Thu)	21:57 119	02:43 48S	08:22 242
2025 Apr 18 (Fri)	22:51 120	03:35 47S	09:12 240
2025 Apr 19 (Sat)	23:44 119	04:29 46S	10:06 240
2025 Apr 20 (Sun)		05:23 48S	11:03 242
2025 Apr 21 (Mon)	00:34 116	06:16 50S	12:00 245
2025 Apr 22 (Tue)	01:21 112	07:08 55S	12:58 250
2025 Apr 23 (Wed)	02:05 107	07:58 60S	13:55 256
2025 Apr 24 (Thu)	02:47 100	08:47 67S	14:51 263
2025 Apr 25 (Fri)	03:28 93	09:36 74S	15:49 271
2025 Apr 26 (Sat)	04:10 86	10:27 81S	16:48 278
2025 Apr 27 (Sun)	04:53 78	11:19 89S	17:50 286
2025 Apr 28 (Mon)	05:41 71	12:16 86N	18:55 292
2025 Apr 29 (Tue)	06:34 66	13:17 81N	20:03 297
2025 Apr 30 (Wed)	07:32 62	14:21 78N	21:11 299
2025 May 01 (Thu)	08:34 60	15:25 77N	22:16 300
2025 May 02 (Fri)	09:38 61	16:27 78N	23:14 298
2025 May 03 (Sat)	10:40 64	17:24 81N	
2025 May 04 (Sun)	11:39 68	18:16 86N	00:05 294
2025 May 05 (Mon)	12:33 73	19:03 91N	00:50 290
2025 May 06 (Tue)	13:23 78	19:46 85S	01:29 284
2025 May 07 (Wed)	14:11 84	20:26 79S	02:05 279
2025 May 08 (Thu)	14:57 91	21:06 73S	02:39 272
2025 May 09 (Fri)	15:42 97	21:45 67S	03:11 266
2025 May 10 (Sat)	16:29 102	22:25 62S	03:44 261
2025 May 11 (Sun)	17:16 108	23:07 57S	04:18 255
2025 May 12 (Mon)	18:06 112	23:52 53S	04:55 250
2025 May 13 (Tue)	18:58 116		05:36 246
2025 May 14 (Wed)	19:52 119	00:40 49S	06:20 243
2025 May 15 (Thu)	20:47 120	01:31 47S	07:09 241
2025 May 16 (Fri)	21:40 119	02:24 46S	08:02 240
2025 May 17 (Sat)	22:30 117	03:18 47S	08:57 242
2025 May 18 (Sun)	23:17 113	04:11 50S	09:54 244
2025 May 19 (Mon)		05:03 53S	10:50 249
2025 May 20 (Tue)	00:01 109	05:52 58S	11:46 254
2025 May 21 (Wed)	00:43 103	06:40 64S	12:41 260
2025 May 22 (Thu)	01:22 96	07:27 71S	13:35 267
2025 May 23 (Fri)	02:02 89	08:15 78S	14:32 275
2025 May 24 (Sat)	02:43 82	09:05 85S	15:30 282
2025 May 25 (Sun)	03:28 75	09:58 89N	16:33 289
2025 May 26 (Mon)	04:17 68	10:56 84N	17:39 294
2025 May 27 (Tue)	05:13 64	11:59 79N	18:48 298
2025 May 28 (Wed)	06:14 61	13:04 77N	19:56 300
2025 May 29 (Thu)	07:19 61	14:10 78N	20:59 299
2025 May 30 (Fri)	08:24 62	15:11 80N	21:55 296
2025 May 31 (Sat)	09:26 66	16:07 84N	22:44 292
2025 Jun 01 (Sun)	10:24 71	16:57 89N	23:26 286
2025 Jun 02 (Mon)	11:17 76	17:42 87S	
2025 Jun 03 (Tue)	12:06 82	18:24 81S	00:04 280
2025 Jun 04 (Wed)	12:53 89	19:04 75S	00:39 274
2025 Jun 05 (Thu)	13:39 95	19:44 69S	01:12 268
2025 Jun 06 (Fri)	14:25 101	20:23 64S	01:45 262
2025 Jun 07 (Sat)	15:12 106	21:05 58S	02:19 257
2025 Jun 08 (Sun)	16:02 111	21:49 54S	02:55 252
2025 Jun 09 (Mon)	16:53 115	22:36 50S	03:34 247
2025 Jun 10 (Tue)	17:47 118	23:26 48S	04:17 244
2025 Jun 11 (Wed)	18:41 119		05:05 241
2025 Jun 12 (Thu)	19:35 119	00:19 46S	05:57 240
2025 Jun 13 (Fri)	20:27 118	01:14 47S	06:52 241
2025 Jun 14 (Sat)	21:16 115	02:07 49S	07:49 244
2025 Jun 15 (Sun)	22:00 110	03:00 52S	08:46 247
2025 Jun 16 (Mon)	22:42 104	03:49 57S	09:42 253
2025 Jun 17 (Tue)	23:21 98	04:37 63S	10:36 259
2025 Jun 18 (Wed)	24:00 91	05:24 69S	11:29 265
2025 Jun 19 (Thu)		06:10 76S	12:23 272
2025 Jun 20 (Fri)	00:39 84	06:57 83S	13:19 280

2025 Jun 21 (Sat)	01:21	77	07:47	90S	14:18	286
2025 Jun 22 (Sun)	02:07	71	08:42	86N	15:21	292
2025 Jun 23 (Mon)	02:58	66	09:41	81N	16:27	297
2025 Jun 24 (Tue)	03:55	62	10:44	78N	17:34	299
2025 Jun 25 (Wed)	04:58	61	11:49	77N	18:40	299
2025 Jun 26 (Thu)	06:04	61	12:53	79N	19:40	297
2025 Jun 27 (Fri)	07:08	64	13:52	82N	20:33	294
2025 Jun 28 (Sat)	08:09	69	14:46	87N	21:19	289
2025 Jun 29 (Sun)	09:06	74	15:34	89S	22:00	283
2025 Jun 30 (Mon)	09:58	80	16:19	83S	22:36	277
2025 Jul 01 (Tue)	10:46	86	17:00	77S	23:10	271
2025 Jul 02 (Wed)	11:33	93	17:40	71S	23:44	264
2025 Jul 03 (Thu)	12:20	99	18:20	65S		
2025 Jul 04 (Fri)	13:07	104	19:01	60S	00:17	259
2025 Jul 05 (Sat)	13:55	109	19:44	55S	00:53	253
2025 Jul 06 (Sun)	14:46	114	20:30	51S	01:31	248
2025 Jul 07 (Mon)	15:39	117	21:19	48S	02:12	245
2025 Jul 08 (Tue)	16:33	119	22:12	47S	02:59	242
2025 Jul 09 (Wed)	17:28	120	23:06	47S	03:50	241
2025 Jul 10 (Thu)	18:21	118			04:45	241
2025 Jul 11 (Fri)	19:12	116	00:01	48S	05:42	243
2025 Jul 12 (Sat)	19:58	111	00:55	51S	06:40	246
2025 Jul 13 (Sun)	20:41	106	01:46	55S	07:36	251
2025 Jul 14 (Mon)	21:22	100	02:35	61S	08:32	257
2025 Jul 15 (Tue)	22:01	93	03:22	67S	09:26	263
2025 Jul 16 (Wed)	22:39	86	04:08	74S	10:20	270
2025 Jul 17 (Thu)	23:19	79	04:55	81S	11:14	278
2025 Jul 18 (Fri)			05:43	88S	12:11	284
2025 Jul 19 (Sat)	00:03	73	06:35	88N	13:11	290
2025 Jul 20 (Sun)	00:50	67	07:30	83N	14:14	295
2025 Jul 21 (Mon)	01:44	63	08:30	79N	15:19	298
2025 Jul 22 (Tue)	02:43	61	09:33	77N	16:24	300
2025 Jul 23 (Wed)	03:47	61	10:37	78N	17:26	299
2025 Jul 24 (Thu)	04:51	63	11:37	80N	18:21	295
2025 Jul 25 (Fri)	05:53	66	12:33	84N	19:10	291
2025 Jul 26 (Sat)	06:52	72	13:24	90N	19:53	285
2025 Jul 27 (Sun)	07:46	77	14:11	86S	20:32	279
2025 Jul 28 (Mon)	08:37	84	14:54	80S	21:07	273
2025 Jul 29 (Tue)	09:26	90	15:35	74S	21:41	267
2025 Jul 30 (Wed)	10:13	96	16:16	68S	22:15	261
2025 Jul 31 (Thu)	11:00	102	16:56	62S	22:50	255
2025 Aug 01 (Fri)	11:48	108	17:39	57S	23:27	250
2025 Aug 02 (Sat)	12:38	112	18:23	53S		
2025 Aug 03 (Sun)	13:30	116	19:11	49S	00:07	246
2025 Aug 04 (Mon)	14:23	119	20:02	47S	00:51	243
2025 Aug 05 (Tue)	15:18	120	20:56	46S	01:40	241
2025 Aug 06 (Wed)	16:12	119	21:51	47S	02:33	240
2025 Aug 07 (Thu)	17:04	117	22:45	50S	03:30	242
2025 Aug 08 (Fri)	17:52	113	23:38	53S	04:28	244
2025 Aug 09 (Sat)	18:37	108			05:26	249
2025 Aug 10 (Sun)	19:19	102	00:29	59S	06:23	255
2025 Aug 11 (Mon)	20:00	95	01:18	65S	07:19	261
2025 Aug 12 (Tue)	20:39	88	02:05	72S	08:14	268
2025 Aug 13 (Wed)	21:19	81	02:52	79S	09:09	275
2025 Aug 14 (Thu)	22:01	74	03:40	86S	10:06	283
2025 Aug 15 (Fri)	22:48	69	04:31	89N	11:05	289
2025 Aug 16 (Sat)	23:39	64	05:25	84N	12:07	294
2025 Aug 17 (Sun)			06:24	80N	13:11	298
2025 Aug 18 (Mon)	00:35	61	07:25	78N	14:15	300
2025 Aug 19 (Tue)	01:36	60	08:27	77N	15:16	299
2025 Aug 20 (Wed)	02:39	62	09:27	79N	16:13	297
2025 Aug 21 (Thu)	03:41	65	10:24	83N	17:03	293
2025 Aug 22 (Fri)	04:40	69	11:16	87N	17:48	288
2025 Aug 23 (Sat)	05:36	75	12:04	89S	18:28	282
2025 Aug 24 (Sun)	06:28	81	12:48	82S	19:04	276
2025 Aug 25 (Mon)	07:17	87	13:30	76S	19:39	269
2025 Aug 26 (Tue)	08:05	94	14:11	70S	20:13	263

2025 Aug 27 (Wed)	08:52 100	14:51 64S	20:47 257
2025 Aug 28 (Thu)	09:40 106	15:33 59S	21:23 252
2025 Aug 29 (Fri)	10:29 111	16:17 54S	22:02 247
2025 Aug 30 (Sat)	11:20 115	17:03 50S	22:44 244
2025 Aug 31 (Sun)	12:13 118	17:53 48S	23:31 241
2025 Sep 01 (Mon)	13:07 119	18:45 46S	
2025 Sep 02 (Tue)	14:01 120	19:38 46S	00:22 240
2025 Sep 03 (Wed)	14:53 118	20:33 48S	01:17 241
2025 Sep 04 (Thu)	15:43 115	21:26 51S	02:14 243
2025 Sep 05 (Fri)	16:29 111	22:18 56S	03:12 247
2025 Sep 06 (Sat)	17:13 105	23:08 62S	04:09 252
2025 Sep 07 (Sun)	17:54 98	23:56 69S	05:06 258
2025 Sep 08 (Mon)	18:35 91		06:03 265
2025 Sep 09 (Tue)	19:15 84	00:45 76S	06:59 273
2025 Sep 10 (Wed)	19:58 77	01:34 83S	07:57 280
2025 Sep 11 (Thu)	20:44 70	02:25 90S	08:57 287
2025 Sep 12 (Fri)	21:35 65	03:20 85N	09:59 293
2025 Sep 13 (Sat)	22:30 62	04:18 81N	11:04 297
2025 Sep 14 (Sun)	23:30 60	05:19 78N	12:09 299
2025 Sep 15 (Mon)		06:21 77N	13:11 300
2025 Sep 16 (Tue)	00:32 61	07:21 78N	14:08 298
2025 Sep 17 (Wed)	01:34 63	08:19 81N	15:00 294
2025 Sep 18 (Thu)	02:33 68	09:11 85N	15:45 290
2025 Sep 19 (Fri)	03:29 73	09:59 91S	16:26 284
2025 Sep 20 (Sat)	04:21 79	10:44 85S	17:03 278
2025 Sep 21 (Sun)	05:11 85	11:26 79S	17:38 272
2025 Sep 22 (Mon)	05:59 91	12:07 72S	18:12 266
2025 Sep 23 (Tue)	06:46 98	12:48 66S	18:46 260
2025 Sep 24 (Wed)	07:34 103	13:29 61S	19:21 254
2025 Sep 25 (Thu)	08:22 109	14:12 56S	19:59 249
2025 Sep 26 (Fri)	09:13 113	14:57 52S	20:40 245
2025 Sep 27 (Sat)	10:05 117	15:45 49S	21:24 242
2025 Sep 28 (Sun)	10:58 119	16:36 47S	22:13 240
2025 Sep 29 (Mon)	11:51 120	17:28 46S	23:06 240
2025 Sep 30 (Tue)	12:43 119	18:21 47S	
2025 Oct 01 (Wed)	13:33 117	19:14 50S	00:01 242
2025 Oct 02 (Thu)	14:19 113	20:05 54S	00:57 245
2025 Oct 03 (Fri)	15:03 108	20:55 59S	01:54 249
2025 Oct 04 (Sat)	15:45 102	21:44 65S	02:50 255
2025 Oct 05 (Sun)	16:26 95	22:32 72S	03:46 262
2025 Oct 06 (Mon)	17:07 87	23:22 80S	04:43 269
2025 Oct 07 (Tue)	17:49 80		05:40 276
2025 Oct 08 (Wed)	18:35 73	00:13 87S	06:41 284
2025 Oct 09 (Thu)	19:26 67	01:08 88N	07:44 290
2025 Oct 10 (Fri)	20:21 63	02:06 83N	08:50 295
2025 Oct 11 (Sat)	21:22 61	03:08 79N	09:58 299
2025 Oct 12 (Sun)	22:25 61	04:12 77N	11:03 300
2025 Oct 13 (Mon)	23:28 63	05:15 78N	12:04 299
2025 Oct 14 (Tue)		06:14 80N	12:57 296
2025 Oct 15 (Wed)	00:29 66	07:08 84N	13:45 291
2025 Oct 16 (Thu)	01:25 71	07:58 89N	14:26 286
2025 Oct 17 (Fri)	02:18 77	08:43 87S	15:04 280
2025 Oct 18 (Sat)	03:07 83	09:25 81S	15:39 274
2025 Oct 19 (Sun)	03:55 89	10:06 74S	16:13 268
2025 Oct 20 (Mon)	04:42 95	10:46 68S	16:47 262
2025 Oct 21 (Tue)	05:29 101	11:27 63S	17:21 256
2025 Oct 22 (Wed)	06:17 107	12:09 58S	17:58 251
2025 Oct 23 (Thu)	07:07 112	12:53 53S	18:38 246
2025 Oct 24 (Fri)	07:58 115	13:41 50S	19:21 243
2025 Oct 25 (Sat)	08:51 118	14:30 47S	20:08 241
2025 Oct 26 (Sun)	09:44 120	15:21 46S	20:59 240
2025 Oct 27 (Mon)	10:36 119	16:14 47S	21:52 241
2025 Oct 28 (Tue)	11:26 118	17:05 49S	22:47 244
2025 Oct 29 (Wed)	12:12 115	17:56 52S	23:42 247
2025 Oct 30 (Thu)	12:56 110	18:45 57S	
2025 Oct 31 (Fri)	13:37 105	19:32 62S	00:36 252
2025 Nov 01 (Sat)	14:17 98	20:19 69S	01:31 258

2025 Nov 02 (Sun)	14:57 91	21:07 76S	02:25 265
2025 Nov 03 (Mon)	15:38 84	21:57 83S	03:21 272
2025 Nov 04 (Tue)	16:22 77	22:50 90S	04:20 280
2025 Nov 05 (Wed)	17:10 70	23:47 85N	05:22 287
2025 Nov 06 (Thu)	18:05 65		06:28 293
2025 Nov 07 (Fri)	19:05 62	00:49 81N	07:37 297
2025 Nov 08 (Sat)	20:10 61	01:55 78N	08:46 299
2025 Nov 09 (Sun)	21:16 62	03:01 77N	09:51 299
2025 Nov 10 (Mon)	22:20 65	04:04 79N	10:50 297
2025 Nov 11 (Tue)	23:19 70	05:02 83N	11:41 293
2025 Nov 12 (Wed)		05:54 88N	12:25 288
2025 Nov 13 (Thu)	00:14 75	06:41 88S	13:05 282
2025 Nov 14 (Fri)	01:05 81	07:25 82S	13:41 276
2025 Nov 15 (Sat)	01:53 87	08:06 76S	14:15 269
2025 Nov 16 (Sun)	02:40 94	08:46 70S	14:48 263
2025 Nov 17 (Mon)	03:27 100	09:26 64S	15:22 258
2025 Nov 18 (Tue)	04:14 105	10:08 59S	15:58 252
2025 Nov 19 (Wed)	05:03 110	10:51 55S	16:37 248
2025 Nov 20 (Thu)	05:54 114	11:37 51S	17:19 244
2025 Nov 21 (Fri)	06:46 117	12:26 48S	18:05 242
2025 Nov 22 (Sat)	07:39 119	13:17 47S	18:55 241
2025 Nov 23 (Sun)	08:32 119	14:09 47S	19:47 241
2025 Nov 24 (Mon)	09:22 118	15:01 48S	20:41 243
2025 Nov 25 (Tue)	10:09 116	15:51 51S	21:36 246
2025 Nov 26 (Wed)	10:53 112	16:40 55S	22:29 251
2025 Nov 27 (Thu)	11:34 107	17:26 60S	23:22 256
2025 Nov 28 (Fri)	12:13 101	18:12 66S	
2025 Nov 29 (Sat)	12:51 94	18:57 73S	00:14 262
2025 Nov 30 (Sun)	13:30 87	19:44 80S	01:07 269
2025 Dec 01 (Mon)	14:10 80	20:33 87S	02:02 276
2025 Dec 02 (Tue)	14:55 73	21:27 88N	03:00 283
2025 Dec 03 (Wed)	15:46 68	22:26 83N	04:03 290
2025 Dec 04 (Thu)	16:43 63	23:30 79N	05:10 295
2025 Dec 05 (Fri)	17:47 61		06:20 298
2025 Dec 06 (Sat)	18:54 61	00:38 77N	07:29 299
2025 Dec 07 (Sun)	20:02 63	01:45 78N	08:33 298
2025 Dec 08 (Mon)	21:06 68	02:47 81N	09:30 294
2025 Dec 09 (Tue)	22:04 73	03:44 86N	10:19 290
2025 Dec 10 (Wed)	22:58 79	04:35 90S	11:01 284
2025 Dec 11 (Thu)	23:49 86	05:21 84S	11:40 278
2025 Dec 12 (Fri)		06:03 78S	12:15 271
2025 Dec 13 (Sat)	00:37 92	06:44 72S	12:49 265
2025 Dec 14 (Sun)	01:24 98	07:25 66S	13:23 259
2025 Dec 15 (Mon)	02:11 104	08:06 61S	13:58 254
2025 Dec 16 (Tue)	02:59 109	08:49 56S	14:36 249
2025 Dec 17 (Wed)	03:49 113	09:34 52S	15:17 245
2025 Dec 18 (Thu)	04:41 117	10:22 49S	16:02 242
2025 Dec 19 (Fri)	05:34 119	11:13 47S	16:51 241
2025 Dec 20 (Sat)	06:27 119	12:05 47S	17:43 241
2025 Dec 21 (Sun)	07:18 119	12:57 48S	18:37 242
2025 Dec 22 (Mon)	08:07 116	13:48 50S	19:32 245
2025 Dec 23 (Tue)	08:52 113	14:37 54S	20:26 249
2025 Dec 24 (Wed)	09:34 108	15:24 59S	21:18 255
2025 Dec 25 (Thu)	10:13 102	16:10 65S	22:10 261
2025 Dec 26 (Fri)	10:50 96	16:54 71S	23:01 267
2025 Dec 27 (Sat)	11:27 89	17:38 77S	23:54 274
2025 Dec 28 (Sun)	12:06 83	18:25 84S	
2025 Dec 29 (Mon)	12:47 76	19:14 91S	00:48 281
2025 Dec 30 (Tue)	13:33 70	20:09 85N	01:46 287
2025 Dec 31 (Wed)	14:25 65	21:09 81N	02:49 293