

Sun

VTDS

Location: E100°24'00.0", N 6°56'00.0", 90m
(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)	05:41	06:30 113		12:22 61S	18:14 247		19:03
2025 Jan 02 (Thu)	05:42	06:30 113		12:22 61S	18:14 247		19:03
2025 Jan 03 (Fri)	05:42	06:31 113		12:23 61S	18:15 247		19:04
2025 Jan 04 (Sat)	05:43	06:31 113		12:23 61S	18:15 247		19:04
2025 Jan 05 (Sun)	05:43	06:32 113		12:24 61S	18:16 247		19:05
2025 Jan 06 (Mon)	05:44	06:32 113		12:24 61S	18:16 248		19:05
2025 Jan 07 (Tue)	05:44	06:32 112		12:25 61S	18:17 248		19:05
2025 Jan 08 (Wed)	05:44	06:33 112		12:25 62S	18:17 248		19:06
2025 Jan 09 (Thu)	05:45	06:33 112		12:26 62S	18:18 248		19:06
2025 Jan 10 (Fri)	05:45	06:33 112		12:26 62S	18:18 248		19:07
2025 Jan 11 (Sat)	05:45	06:34 112		12:26 62S	18:19 248		19:07
2025 Jan 12 (Sun)	05:46	06:34 112		12:27 62S	18:19 248		19:08
2025 Jan 13 (Mon)	05:46	06:34 112		12:27 62S	18:20 249		19:08
2025 Jan 14 (Tue)	05:46	06:35 111		12:27 63S	18:20 249		19:08
2025 Jan 15 (Wed)	05:47	06:35 111		12:28 63S	18:21 249		19:09
2025 Jan 16 (Thu)	05:47	06:35 111		12:28 63S	18:21 249		19:09
2025 Jan 17 (Fri)	05:47	06:35 111		12:28 63S	18:22 249		19:10
2025 Jan 18 (Sat)	05:48	06:36 111		12:29 63S	18:22 250		19:10
2025 Jan 19 (Sun)	05:48	06:36 110		12:29 63S	18:22 250		19:10
2025 Jan 20 (Mon)	05:48	06:36 110		12:29 64S	18:23 250		19:11
2025 Jan 21 (Tue)	05:48	06:36 110		12:30 64S	18:23 250		19:11
2025 Jan 22 (Wed)	05:49	06:36 110		12:30 64S	18:24 250		19:11
2025 Jan 23 (Thu)	05:49	06:36 109		12:30 64S	18:24 251		19:12
2025 Jan 24 (Fri)	05:49	06:37 109		12:30 65S	18:24 251		19:12
2025 Jan 25 (Sat)	05:49	06:37 109		12:31 65S	18:25 251		19:12
2025 Jan 26 (Sun)	05:49	06:37 109		12:31 65S	18:25 251		19:12
2025 Jan 27 (Mon)	05:50	06:37 108		12:31 65S	18:25 252		19:13
2025 Jan 28 (Tue)	05:50	06:37 108		12:31 66S	18:26 252		19:13
2025 Jan 29 (Wed)	05:50	06:37 108		12:31 66S	18:26 252		19:13
2025 Jan 30 (Thu)	05:50	06:37 108		12:32 66S	18:26 252		19:13
2025 Jan 31 (Fri)	05:50	06:37 107		12:32 66S	18:27 253		19:14
2025 Feb 01 (Sat)	05:50	06:37 107		12:32 67S	18:27 253		19:14
2025 Feb 02 (Sun)	05:50	06:37 107		12:32 67S	18:27 253		19:14
2025 Feb 03 (Mon)	05:50	06:37 107		12:32 67S	18:28 254		19:14
2025 Feb 04 (Tue)	05:50	06:37 106		12:32 68S	18:28 254		19:14
2025 Feb 05 (Wed)	05:50	06:37 106		12:32 68S	18:28 254		19:15
2025 Feb 06 (Thu)	05:50	06:37 106		12:32 68S	18:28 255		19:15
2025 Feb 07 (Fri)	05:50	06:37 105		12:33 69S	18:28 255		19:15
2025 Feb 08 (Sat)	05:50	06:37 105		12:33 69S	18:29 255		19:15
2025 Feb 09 (Sun)	05:50	06:36 105		12:33 69S	18:29 255		19:15
2025 Feb 10 (Mon)	05:50	06:36 104		12:33 70S	18:29 256		19:15
2025 Feb 11 (Tue)	05:50	06:36 104		12:33 70S	18:29 256		19:15
2025 Feb 12 (Wed)	05:50	06:36 104		12:33 70S	18:29 256		19:15
2025 Feb 13 (Thu)	05:50	06:36 103		12:33 71S	18:29 257		19:16
2025 Feb 14 (Fri)	05:49	06:36 103		12:33 71S	18:30 257		19:16
2025 Feb 15 (Sat)	05:49	06:35 103		12:32 71S	18:30 258		19:16
2025 Feb 16 (Sun)	05:49	06:35 102		12:32 72S	18:30 258		19:16
2025 Feb 17 (Mon)	05:49	06:35 102		12:32 72S	18:30 258		19:16
2025 Feb 18 (Tue)	05:49	06:35 102		12:32 72S	18:30 259		19:16
2025 Feb 19 (Wed)	05:49	06:34 101		12:32 73S	18:30 259		19:16
2025 Feb 20 (Thu)	05:48	06:34 101		12:32 73S	18:30 259		19:16
2025 Feb 21 (Fri)	05:48	06:34 101		12:32 73S	18:30 260		19:16
2025 Feb 22 (Sat)	05:48	06:33 100		12:32 74S	18:30 260		19:16
2025 Feb 23 (Sun)	05:48	06:33 100		12:32 74S	18:30 260		19:16
2025 Feb 24 (Mon)	05:47	06:33 99		12:32 74S	18:30 261		19:16

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

2025	May	03	(Sat)	05:17	06:04	74	12:15	82N	18:27	286	19:14
2025	May	04	(Sun)	05:17	06:04	74	12:15	82N	18:27	286	19:14
2025	May	05	(Mon)	05:16	06:04	74	12:15	81N	18:27	287	19:14
2025	May	06	(Tue)	05:16	06:03	73	12:15	81N	18:27	287	19:14
2025	May	07	(Wed)	05:16	06:03	73	12:15	81N	18:27	287	19:14
2025	May	08	(Thu)	05:15	06:03	73	12:15	80N	18:27	287	19:14
2025	May	09	(Fri)	05:15	06:03	72	12:15	80N	18:27	288	19:15
2025	May	10	(Sat)	05:15	06:02	72	12:15	80N	18:27	288	19:15
2025	May	11	(Sun)	05:15	06:02	72	12:15	80N	18:27	288	19:15
2025	May	12	(Mon)	05:14	06:02	72	12:15	79N	18:27	289	19:15
2025	May	13	(Tue)	05:14	06:02	71	12:15	79N	18:28	289	19:15
2025	May	14	(Wed)	05:14	06:02	71	12:15	79N	18:28	289	19:16
2025	May	15	(Thu)	05:14	06:02	71	12:15	79N	18:28	289	19:16
2025	May	16	(Fri)	05:14	06:02	71	12:15	78N	18:28	289	19:16
2025	May	17	(Sat)	05:13	06:01	70	12:15	78N	18:28	290	19:16
2025	May	18	(Sun)	05:13	06:01	70	12:15	78N	18:28	290	19:16
2025	May	19	(Mon)	05:13	06:01	70	12:15	78N	18:29	290	19:17
2025	May	20	(Tue)	05:13	06:01	70	12:15	78N	18:29	290	19:17
2025	May	21	(Wed)	05:13	06:01	70	12:15	77N	18:29	291	19:17
2025	May	22	(Thu)	05:13	06:01	69	12:15	77N	18:29	291	19:17
2025	May	23	(Fri)	05:13	06:01	69	12:15	77N	18:29	291	19:18
2025	May	24	(Sat)	05:13	06:01	69	12:15	77N	18:29	291	19:18
2025	May	25	(Sun)	05:12	06:01	69	12:15	77N	18:30	291	19:18
2025	May	26	(Mon)	05:12	06:01	69	12:15	76N	18:30	291	19:19
2025	May	27	(Tue)	05:12	06:01	68	12:16	76N	18:30	292	19:19
2025	May	28	(Wed)	05:12	06:01	68	12:16	76N	18:30	292	19:19
2025	May	29	(Thu)	05:12	06:01	68	12:16	76N	18:31	292	19:19
2025	May	30	(Fri)	05:12	06:01	68	12:16	76N	18:31	292	19:20
2025	May	31	(Sat)	05:12	06:01	68	12:16	76N	18:31	292	19:20
2025	Jun	01	(Sun)	05:12	06:01	68	12:16	76N	18:31	292	19:20
2025	Jun	02	(Mon)	05:12	06:01	68	12:16	75N	18:31	293	19:21
2025	Jun	03	(Tue)	05:12	06:01	67	12:17	75N	18:32	293	19:21
2025	Jun	04	(Wed)	05:12	06:02	67	12:17	75N	18:32	293	19:21
2025	Jun	05	(Thu)	05:12	06:02	67	12:17	75N	18:32	293	19:21
2025	Jun	06	(Fri)	05:13	06:02	67	12:17	75N	18:32	293	19:22
2025	Jun	07	(Sat)	05:13	06:02	67	12:17	75N	18:33	293	19:22
2025	Jun	08	(Sun)	05:13	06:02	67	12:17	75N	18:33	293	19:22
2025	Jun	09	(Mon)	05:13	06:02	67	12:18	75N	18:33	293	19:23
2025	Jun	10	(Tue)	05:13	06:02	67	12:18	75N	18:33	293	19:23
2025	Jun	11	(Wed)	05:13	06:03	67	12:18	75N	18:34	293	19:23
2025	Jun	12	(Thu)	05:13	06:03	67	12:18	74N	18:34	293	19:23
2025	Jun	13	(Fri)	05:13	06:03	66	12:18	74N	18:34	294	19:24
2025	Jun	14	(Sat)	05:14	06:03	66	12:19	74N	18:34	294	19:24
2025	Jun	15	(Sun)	05:14	06:03	66	12:19	74N	18:35	294	19:24
2025	Jun	16	(Mon)	05:14	06:03	66	12:19	74N	18:35	294	19:24
2025	Jun	17	(Tue)	05:14	06:04	66	12:19	74N	18:35	294	19:25
2025	Jun	18	(Wed)	05:14	06:04	66	12:20	74N	18:35	294	19:25
2025	Jun	19	(Thu)	05:14	06:04	66	12:20	74N	18:36	294	19:25
2025	Jun	20	(Fri)	05:15	06:04	66	12:20	74N	18:36	294	19:25
2025	Jun	21	(Sat)	05:15	06:04	66	12:20	74N	18:36	294	19:26
2025	Jun	22	(Sun)	05:15	06:05	66	12:20	74N	18:36	294	19:26
2025	Jun	23	(Mon)	05:15	06:05	66	12:21	74N	18:36	294	19:26
2025	Jun	24	(Tue)	05:16	06:05	66	12:21	74N	18:37	294	19:26
2025	Jun	25	(Wed)	05:16	06:05	66	12:21	74N	18:37	294	19:26
2025	Jun	26	(Thu)	05:16	06:06	66	12:21	74N	18:37	294	19:27
2025	Jun	27	(Fri)	05:16	06:06	66	12:21	74N	18:37	294	19:27
2025	Jun	28	(Sat)	05:17	06:06	66	12:22	74N	18:37	294	19:27
2025	Jun	29	(Sun)	05:17	06:06	66	12:22	74N	18:38	293	19:27
2025	Jun	30	(Mon)	05:17	06:06	67	12:22	74N	18:38	293	19:27
2025	Jul	01	(Tue)	05:17	06:07	67	12:22	75N	18:38	293	19:27
2025	Jul	02	(Wed)	05:18	06:07	67	12:22	75N	18:38	293	19:27
2025	Jul	03	(Thu)	05:18	06:07	67	12:23	75N	18:38	293	19:27
2025	Jul	04	(Fri)	05:18	06:07	67	12:23	75N	18:38	293	19:28
2025	Jul	05	(Sat)	05:18	06:08	67	12:23	75N	18:38	293	19:28
2025	Jul	06	(Sun)	05:19	06:08	67	12:23	75N	18:38	293	19:28
2025	Jul	07	(Mon)	05:19	06:08	67	12:23	75N	18:39	293	19:28
2025	Jul	08	(Tue)	05:19	06:08	67	12:24	75N	18:39	293	19:28

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

2025 Sep 14 (Sun)	05:24	06:09	86	12:14	87S	18:19	273	19:04
2025 Sep 15 (Mon)	05:24	06:09	87	12:14	87S	18:18	273	19:03
2025 Sep 16 (Tue)	05:24	06:09	87	12:13	86S	18:18	273	19:03
2025 Sep 17 (Wed)	05:24	06:09	88	12:13	86S	18:17	272	19:02
2025 Sep 18 (Thu)	05:23	06:08	88	12:13	86S	18:17	272	19:02
2025 Sep 19 (Fri)	05:23	06:08	88	12:12	85S	18:16	271	19:01
2025 Sep 20 (Sat)	05:23	06:08	89	12:12	85S	18:16	271	19:01
2025 Sep 21 (Sun)	05:23	06:08	89	12:11	84S	18:15	271	19:00
2025 Sep 22 (Mon)	05:23	06:08	90	12:11	84S	18:14	270	18:59
2025 Sep 23 (Tue)	05:23	06:08	90	12:11	84S	18:14	270	18:59
2025 Sep 24 (Wed)	05:22	06:07	90	12:10	83S	18:13	269	18:58
2025 Sep 25 (Thu)	05:22	06:07	91	12:10	83S	18:13	269	18:58
2025 Sep 26 (Fri)	05:22	06:07	91	12:10	82S	18:12	269	18:57
2025 Sep 27 (Sat)	05:22	06:07	92	12:09	82S	18:12	268	18:57
2025 Sep 28 (Sun)	05:22	06:07	92	12:09	82S	18:11	268	18:56
2025 Sep 29 (Mon)	05:22	06:07	92	12:09	81S	18:11	267	18:56
2025 Sep 30 (Tue)	05:21	06:07	93	12:08	81S	18:10	267	18:55
2025 Oct 01 (Wed)	05:21	06:06	93	12:08	80S	18:10	267	18:55
2025 Oct 02 (Thu)	05:21	06:06	94	12:08	80S	18:09	266	18:54
2025 Oct 03 (Fri)	05:21	06:06	94	12:07	80S	18:09	266	18:54
2025 Oct 04 (Sat)	05:21	06:06	94	12:07	79S	18:08	266	18:53
2025 Oct 05 (Sun)	05:21	06:06	95	12:07	79S	18:08	265	18:53
2025 Oct 06 (Mon)	05:21	06:06	95	12:07	79S	18:07	265	18:52
2025 Oct 07 (Tue)	05:20	06:06	95	12:06	78S	18:07	264	18:52
2025 Oct 08 (Wed)	05:20	06:06	96	12:06	78S	18:06	264	18:51
2025 Oct 09 (Thu)	05:20	06:05	96	12:06	77S	18:06	264	18:51
2025 Oct 10 (Fri)	05:20	06:05	97	12:05	77S	18:05	263	18:51
2025 Oct 11 (Sat)	05:20	06:05	97	12:05	77S	18:05	263	18:50
2025 Oct 12 (Sun)	05:20	06:05	97	12:05	76S	18:05	262	18:50
2025 Oct 13 (Mon)	05:20	06:05	98	12:05	76S	18:04	262	18:49
2025 Oct 14 (Tue)	05:20	06:05	98	12:04	76S	18:04	262	18:49
2025 Oct 15 (Wed)	05:20	06:05	98	12:04	75S	18:03	261	18:49
2025 Oct 16 (Thu)	05:20	06:05	99	12:04	75S	18:03	261	18:48
2025 Oct 17 (Fri)	05:19	06:05	99	12:04	74S	18:02	261	18:48
2025 Oct 18 (Sat)	05:19	06:05	100	12:04	74S	18:02	260	18:48
2025 Oct 19 (Sun)	05:19	06:05	100	12:03	74S	18:02	260	18:47
2025 Oct 20 (Mon)	05:19	06:05	100	12:03	73S	18:01	260	18:47
2025 Oct 21 (Tue)	05:19	06:05	101	12:03	73S	18:01	259	18:47
2025 Oct 22 (Wed)	05:19	06:05	101	12:03	73S	18:01	259	18:47
2025 Oct 23 (Thu)	05:19	06:05	101	12:03	72S	18:00	258	18:46
2025 Oct 24 (Fri)	05:19	06:05	102	12:03	72S	18:00	258	18:46
2025 Oct 25 (Sat)	05:19	06:05	102	12:02	72S	18:00	258	18:46
2025 Oct 26 (Sun)	05:19	06:05	102	12:02	71S	18:00	257	18:46
2025 Oct 27 (Mon)	05:19	06:05	103	12:02	71S	17:59	257	18:45
2025 Oct 28 (Tue)	05:19	06:05	103	12:02	71S	17:59	257	18:45
2025 Oct 29 (Wed)	05:19	06:05	103	12:02	70S	17:59	256	18:45
2025 Oct 30 (Thu)	05:19	06:05	104	12:02	70S	17:59	256	18:45
2025 Oct 31 (Fri)	05:19	06:06	104	12:02	70S	17:58	256	18:45
2025 Nov 01 (Sat)	05:19	06:06	104	12:02	69S	17:58	255	18:45
2025 Nov 02 (Sun)	05:19	06:06	105	12:02	69S	17:58	255	18:44
2025 Nov 03 (Mon)	05:20	06:06	105	12:02	69S	17:58	255	18:44
2025 Nov 04 (Tue)	05:20	06:06	105	12:02	68S	17:58	254	18:44
2025 Nov 05 (Wed)	05:20	06:06	106	12:02	68S	17:58	254	18:44
2025 Nov 06 (Thu)	05:20	06:07	106	12:02	68S	17:57	254	18:44
2025 Nov 07 (Fri)	05:20	06:07	106	12:02	67S	17:57	254	18:44
2025 Nov 08 (Sat)	05:20	06:07	107	12:02	67S	17:57	253	18:44
2025 Nov 09 (Sun)	05:20	06:07	107	12:02	67S	17:57	253	18:44
2025 Nov 10 (Mon)	05:20	06:07	107	12:02	67S	17:57	253	18:44
2025 Nov 11 (Tue)	05:21	06:08	107	12:02	66S	17:57	252	18:44
2025 Nov 12 (Wed)	05:21	06:08	108	12:03	66S	17:57	252	18:44
2025 Nov 13 (Thu)	05:21	06:08	108	12:03	66S	17:57	252	18:44
2025 Nov 14 (Fri)	05:21	06:08	108	12:03	65S	17:57	252	18:44
2025 Nov 15 (Sat)	05:21	06:09	109	12:03	65S	17:57	251	18:45
2025 Nov 16 (Sun)	05:22	06:09	109	12:03	65S	17:57	251	18:45
2025 Nov 17 (Mon)	05:22	06:09	109	12:03	65S	17:57	251	18:45
2025 Nov 18 (Tue)	05:22	06:10	109	12:04	64S	17:57	251	18:45
2025 Nov 19 (Wed)	05:22	06:10	110	12:04	64S	17:57	250	18:45

2025 Nov 20 (Thu)	05:23	06:10	110	12:04	64S	17:58	250	18:45
2025 Nov 21 (Fri)	05:23	06:11	110	12:04	64S	17:58	250	18:45
2025 Nov 22 (Sat)	05:23	06:11	110	12:05	64S	17:58	250	18:46
2025 Nov 23 (Sun)	05:24	06:11	110	12:05	63S	17:58	250	18:46
2025 Nov 24 (Mon)	05:24	06:12	111	12:05	63S	17:58	249	18:46
2025 Nov 25 (Tue)	05:24	06:12	111	12:05	63S	17:58	249	18:46
2025 Nov 26 (Wed)	05:25	06:13	111	12:06	63S	17:59	249	18:47
2025 Nov 27 (Thu)	05:25	06:13	111	12:06	63S	17:59	249	18:47
2025 Nov 28 (Fri)	05:25	06:14	111	12:06	62S	17:59	249	18:47
2025 Nov 29 (Sat)	05:26	06:14	112	12:07	62S	17:59	248	18:48
2025 Nov 30 (Sun)	05:26	06:14	112	12:07	62S	18:00	248	18:48
2025 Dec 01 (Mon)	05:27	06:15	112	12:07	62S	18:00	248	18:48
2025 Dec 02 (Tue)	05:27	06:15	112	12:08	62S	18:00	248	18:49
2025 Dec 03 (Wed)	05:27	06:16	112	12:08	62S	18:01	248	18:49
2025 Dec 04 (Thu)	05:28	06:16	112	12:09	62S	18:01	248	18:49
2025 Dec 05 (Fri)	05:28	06:17	112	12:09	61S	18:01	248	18:50
2025 Dec 06 (Sat)	05:29	06:17	113	12:09	61S	18:02	247	18:50
2025 Dec 07 (Sun)	05:29	06:18	113	12:10	61S	18:02	247	18:51
2025 Dec 08 (Mon)	05:30	06:18	113	12:10	61S	18:02	247	18:51
2025 Dec 09 (Tue)	05:30	06:19	113	12:11	61S	18:03	247	18:51
2025 Dec 10 (Wed)	05:30	06:19	113	12:11	61S	18:03	247	18:52
2025 Dec 11 (Thu)	05:31	06:20	113	12:12	61S	18:04	247	18:52
2025 Dec 12 (Fri)	05:31	06:20	113	12:12	61S	18:04	247	18:53
2025 Dec 13 (Sat)	05:32	06:21	113	12:13	61S	18:04	247	18:53
2025 Dec 14 (Sun)	05:32	06:21	113	12:13	61S	18:05	247	18:54
2025 Dec 15 (Mon)	05:33	06:22	113	12:13	60S	18:05	247	18:54
2025 Dec 16 (Tue)	05:33	06:22	113	12:14	60S	18:06	247	18:55
2025 Dec 17 (Wed)	05:34	06:23	113	12:14	60S	18:06	247	18:55
2025 Dec 18 (Thu)	05:34	06:23	113	12:15	60S	18:07	247	18:56
2025 Dec 19 (Fri)	05:35	06:24	113	12:15	60S	18:07	247	18:56
2025 Dec 20 (Sat)	05:35	06:24	114	12:16	60S	18:08	246	18:57
2025 Dec 21 (Sun)	05:36	06:25	114	12:16	60S	18:08	246	18:57
2025 Dec 22 (Mon)	05:36	06:25	114	12:17	60S	18:09	246	18:58
2025 Dec 23 (Tue)	05:37	06:26	114	12:17	60S	18:09	246	18:58
2025 Dec 24 (Wed)	05:37	06:26	113	12:18	60S	18:10	247	18:59
2025 Dec 25 (Thu)	05:38	06:27	113	12:18	60S	18:10	247	18:59
2025 Dec 26 (Fri)	05:38	06:27	113	12:19	60S	18:11	247	19:00
2025 Dec 27 (Sat)	05:39	06:28	113	12:19	60S	18:11	247	19:00
2025 Dec 28 (Sun)	05:39	06:28	113	12:20	61S	18:12	247	19:01
2025 Dec 29 (Mon)	05:40	06:29	113	12:20	61S	18:12	247	19:01
2025 Dec 30 (Tue)	05:40	06:29	113	12:21	61S	18:13	247	19:02
2025 Dec 31 (Wed)	05:41	06:29	113	12:21	61S	18:13	247	19:02

Sun

VTDS

Location: E100°24'00.0", N 6°56'00.0", 90m
(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)	06:07	06:30	113	12:22	61S	18:14	247	18:36
2025 Jan 02 (Thu)	06:08	06:30	113	12:22	61S	18:14	247	18:37
2025 Jan 03 (Fri)	06:08	06:31	113	12:23	61S	18:15	247	18:37
2025 Jan 04 (Sat)	06:09	06:31	113	12:23	61S	18:15	247	18:38
2025 Jan 05 (Sun)	06:09	06:32	113	12:24	61S	18:16	247	18:38
2025 Jan 06 (Mon)	06:10	06:32	113	12:24	61S	18:16	248	18:39
2025 Jan 07 (Tue)	06:10	06:32	112	12:25	61S	18:17	248	18:39
2025 Jan 08 (Wed)	06:10	06:33	112	12:25	62S	18:17	248	18:40
2025 Jan 09 (Thu)	06:11	06:33	112	12:26	62S	18:18	248	18:40
2025 Jan 10 (Fri)	06:11	06:33	112	12:26	62S	18:18	248	18:41
2025 Jan 11 (Sat)	06:11	06:34	112	12:26	62S	18:19	248	18:41
2025 Jan 12 (Sun)	06:12	06:34	112	12:27	62S	18:19	248	18:42

2025	Jan	13	(Mon)	06:12	06:34	112	12:27	62S	18:20	249	18:42
2025	Jan	14	(Tue)	06:12	06:35	111	12:27	63S	18:20	249	18:43
2025	Jan	15	(Wed)	06:13	06:35	111	12:28	63S	18:21	249	18:43
2025	Jan	16	(Thu)	06:13	06:35	111	12:28	63S	18:21	249	18:43
2025	Jan	17	(Fri)	06:13	06:35	111	12:28	63S	18:22	249	18:44
2025	Jan	18	(Sat)	06:13	06:36	111	12:29	63S	18:22	250	18:44
2025	Jan	19	(Sun)	06:14	06:36	110	12:29	63S	18:22	250	18:45
2025	Jan	20	(Mon)	06:14	06:36	110	12:29	64S	18:23	250	18:45
2025	Jan	21	(Tue)	06:14	06:36	110	12:30	64S	18:23	250	18:45
2025	Jan	22	(Wed)	06:14	06:36	110	12:30	64S	18:24	250	18:46
2025	Jan	23	(Thu)	06:14	06:36	109	12:30	64S	18:24	251	18:46
2025	Jan	24	(Fri)	06:15	06:37	109	12:30	65S	18:24	251	18:46
2025	Jan	25	(Sat)	06:15	06:37	109	12:31	65S	18:25	251	18:47
2025	Jan	26	(Sun)	06:15	06:37	109	12:31	65S	18:25	251	18:47
2025	Jan	27	(Mon)	06:15	06:37	108	12:31	65S	18:25	252	18:47
2025	Jan	28	(Tue)	06:15	06:37	108	12:31	66S	18:26	252	18:48
2025	Jan	29	(Wed)	06:15	06:37	108	12:31	66S	18:26	252	18:48
2025	Jan	30	(Thu)	06:15	06:37	108	12:32	66S	18:26	252	18:48
2025	Jan	31	(Fri)	06:15	06:37	107	12:32	66S	18:27	253	18:48
2025	Feb	01	(Sat)	06:15	06:37	107	12:32	67S	18:27	253	18:49
2025	Feb	02	(Sun)	06:15	06:37	107	12:32	67S	18:27	253	18:49
2025	Feb	03	(Mon)	06:15	06:37	107	12:32	67S	18:28	254	18:49
2025	Feb	04	(Tue)	06:15	06:37	106	12:32	68S	18:28	254	18:49
2025	Feb	05	(Wed)	06:15	06:37	106	12:32	68S	18:28	254	18:50
2025	Feb	06	(Thu)	06:15	06:37	106	12:32	68S	18:28	255	18:50
2025	Feb	07	(Fri)	06:15	06:37	105	12:33	69S	18:28	255	18:50
2025	Feb	08	(Sat)	06:15	06:37	105	12:33	69S	18:29	255	18:50
2025	Feb	09	(Sun)	06:15	06:36	105	12:33	69S	18:29	255	18:50
2025	Feb	10	(Mon)	06:15	06:36	104	12:33	70S	18:29	256	18:50
2025	Feb	11	(Tue)	06:15	06:36	104	12:33	70S	18:29	256	18:51
2025	Feb	12	(Wed)	06:15	06:36	104	12:33	70S	18:29	256	18:51
2025	Feb	13	(Thu)	06:14	06:36	103	12:33	71S	18:29	257	18:51
2025	Feb	14	(Fri)	06:14	06:36	103	12:33	71S	18:30	257	18:51
2025	Feb	15	(Sat)	06:14	06:35	103	12:32	71S	18:30	258	18:51
2025	Feb	16	(Sun)	06:14	06:35	102	12:32	72S	18:30	258	18:51
2025	Feb	17	(Mon)	06:14	06:35	102	12:32	72S	18:30	258	18:51
2025	Feb	18	(Tue)	06:13	06:35	102	12:32	72S	18:30	259	18:51
2025	Feb	19	(Wed)	06:13	06:34	101	12:32	73S	18:30	259	18:51
2025	Feb	20	(Thu)	06:13	06:34	101	12:32	73S	18:30	259	18:51
2025	Feb	21	(Fri)	06:13	06:34	101	12:32	73S	18:30	260	18:51
2025	Feb	22	(Sat)	06:12	06:33	100	12:32	74S	18:30	260	18:51
2025	Feb	23	(Sun)	06:12	06:33	100	12:32	74S	18:30	260	18:51
2025	Feb	24	(Mon)	06:12	06:33	99	12:32	74S	18:30	261	18:51
2025	Feb	25	(Tue)	06:11	06:33	99	12:31	75S	18:30	261	18:51
2025	Feb	26	(Wed)	06:11	06:32	99	12:31	75S	18:30	262	18:51
2025	Feb	27	(Thu)	06:11	06:32	98	12:31	76S	18:30	262	18:51
2025	Feb	28	(Fri)	06:10	06:31	98	12:31	76S	18:30	262	18:51
2025	Mar	01	(Sat)	06:10	06:31	98	12:31	76S	18:30	263	18:51
2025	Mar	02	(Sun)	06:10	06:31	97	12:31	77S	18:30	263	18:51
2025	Mar	03	(Mon)	06:09	06:30	97	12:30	77S	18:30	263	18:51
2025	Mar	04	(Tue)	06:09	06:30	96	12:30	77S	18:30	264	18:51
2025	Mar	05	(Wed)	06:09	06:30	96	12:30	78S	18:30	264	18:51
2025	Mar	06	(Thu)	06:08	06:29	96	12:30	78S	18:30	265	18:51
2025	Mar	07	(Fri)	06:08	06:29	95	12:29	79S	18:30	265	18:51
2025	Mar	08	(Sat)	06:07	06:28	95	12:29	79S	18:30	265	18:51
2025	Mar	09	(Sun)	06:07	06:28	94	12:29	79S	18:30	266	18:51
2025	Mar	10	(Mon)	06:07	06:27	94	12:29	80S	18:30	266	18:51
2025	Mar	11	(Tue)	06:06	06:27	94	12:28	80S	18:30	267	18:51
2025	Mar	12	(Wed)	06:06	06:26	93	12:28	81S	18:30	267	18:51
2025	Mar	13	(Thu)	06:05	06:26	93	12:28	81S	18:30	267	18:51
2025	Mar	14	(Fri)	06:05	06:26	92	12:28	81S	18:30	268	18:51
2025	Mar	15	(Sat)	06:04	06:25	92	12:27	82S	18:30	268	18:50
2025	Mar	16	(Sun)	06:04	06:25	92	12:27	82S	18:30	269	18:50
2025	Mar	17	(Mon)	06:03	06:24	91	12:27	83S	18:29	269	18:50
2025	Mar	18	(Tue)	06:03	06:24	91	12:26	83S	18:29	269	18:50
2025	Mar	19	(Wed)	06:02	06:23	90	12:26	83S	18:29	270	18:50
2025	Mar	20	(Thu)	06:02	06:23	90	12:26	84S	18:29	270	18:50

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

2025	May	27	(Tue)	05:39	06:01	68	12:16	76N	18:30	292	18:53
2025	May	28	(Wed)	05:39	06:01	68	12:16	76N	18:30	292	18:53
2025	May	29	(Thu)	05:39	06:01	68	12:16	76N	18:31	292	18:53
2025	May	30	(Fri)	05:39	06:01	68	12:16	76N	18:31	292	18:53
2025	May	31	(Sat)	05:39	06:01	68	12:16	76N	18:31	292	18:54
2025	Jun	01	(Sun)	05:39	06:01	68	12:16	76N	18:31	292	18:54
2025	Jun	02	(Mon)	05:39	06:01	68	12:16	75N	18:31	293	18:54
2025	Jun	03	(Tue)	05:39	06:01	67	12:17	75N	18:32	293	18:54
2025	Jun	04	(Wed)	05:39	06:02	67	12:17	75N	18:32	293	18:55
2025	Jun	05	(Thu)	05:39	06:02	67	12:17	75N	18:32	293	18:55
2025	Jun	06	(Fri)	05:39	06:02	67	12:17	75N	18:32	293	18:55
2025	Jun	07	(Sat)	05:39	06:02	67	12:17	75N	18:33	293	18:55
2025	Jun	08	(Sun)	05:39	06:02	67	12:17	75N	18:33	293	18:56
2025	Jun	09	(Mon)	05:39	06:02	67	12:18	75N	18:33	293	18:56
2025	Jun	10	(Tue)	05:40	06:02	67	12:18	75N	18:33	293	18:56
2025	Jun	11	(Wed)	05:40	06:03	67	12:18	75N	18:34	293	18:56
2025	Jun	12	(Thu)	05:40	06:03	67	12:18	74N	18:34	293	18:57
2025	Jun	13	(Fri)	05:40	06:03	66	12:18	74N	18:34	294	18:57
2025	Jun	14	(Sat)	05:40	06:03	66	12:19	74N	18:34	294	18:57
2025	Jun	15	(Sun)	05:40	06:03	66	12:19	74N	18:35	294	18:57
2025	Jun	16	(Mon)	05:41	06:03	66	12:19	74N	18:35	294	18:58
2025	Jun	17	(Tue)	05:41	06:04	66	12:19	74N	18:35	294	18:58
2025	Jun	18	(Wed)	05:41	06:04	66	12:20	74N	18:35	294	18:58
2025	Jun	19	(Thu)	05:41	06:04	66	12:20	74N	18:36	294	18:58
2025	Jun	20	(Fri)	05:41	06:04	66	12:20	74N	18:36	294	18:59
2025	Jun	21	(Sat)	05:42	06:04	66	12:20	74N	18:36	294	18:59
2025	Jun	22	(Sun)	05:42	06:05	66	12:20	74N	18:36	294	18:59
2025	Jun	23	(Mon)	05:42	06:05	66	12:21	74N	18:36	294	18:59
2025	Jun	24	(Tue)	05:42	06:05	66	12:21	74N	18:37	294	18:59
2025	Jun	25	(Wed)	05:43	06:05	66	12:21	74N	18:37	294	19:00
2025	Jun	26	(Thu)	05:43	06:06	66	12:21	74N	18:37	294	19:00
2025	Jun	27	(Fri)	05:43	06:06	66	12:21	74N	18:37	294	19:00
2025	Jun	28	(Sat)	05:43	06:06	66	12:22	74N	18:37	294	19:00
2025	Jun	29	(Sun)	05:43	06:06	66	12:22	74N	18:38	293	19:00
2025	Jun	30	(Mon)	05:44	06:06	67	12:22	74N	18:38	293	19:00
2025	Jul	01	(Tue)	05:44	06:07	67	12:22	75N	18:38	293	19:01
2025	Jul	02	(Wed)	05:44	06:07	67	12:22	75N	18:38	293	19:01
2025	Jul	03	(Thu)	05:44	06:07	67	12:23	75N	18:38	293	19:01
2025	Jul	04	(Fri)	05:45	06:07	67	12:23	75N	18:38	293	19:01
2025	Jul	05	(Sat)	05:45	06:08	67	12:23	75N	18:38	293	19:01
2025	Jul	06	(Sun)	05:45	06:08	67	12:23	75N	18:38	293	19:01
2025	Jul	07	(Mon)	05:45	06:08	67	12:23	75N	18:39	293	19:01
2025	Jul	08	(Tue)	05:46	06:08	67	12:24	75N	18:39	293	19:01
2025	Jul	09	(Wed)	05:46	06:09	67	12:24	75N	18:39	293	19:01
2025	Jul	10	(Thu)	05:46	06:09	67	12:24	75N	18:39	292	19:01
2025	Jul	11	(Fri)	05:46	06:09	68	12:24	76N	18:39	292	19:01
2025	Jul	12	(Sat)	05:47	06:09	68	12:24	76N	18:39	292	19:01
2025	Jul	13	(Sun)	05:47	06:09	68	12:24	76N	18:39	292	19:01
2025	Jul	14	(Mon)	05:47	06:10	68	12:24	76N	18:39	292	19:01
2025	Jul	15	(Tue)	05:47	06:10	68	12:24	76N	18:39	292	19:01
2025	Jul	16	(Wed)	05:48	06:10	68	12:25	76N	18:39	292	19:01
2025	Jul	17	(Thu)	05:48	06:10	69	12:25	76N	18:39	291	19:01
2025	Jul	18	(Fri)	05:48	06:10	69	12:25	77N	18:39	291	19:01
2025	Jul	19	(Sat)	05:48	06:11	69	12:25	77N	18:39	291	19:01
2025	Jul	20	(Sun)	05:48	06:11	69	12:25	77N	18:39	291	19:01
2025	Jul	21	(Mon)	05:49	06:11	69	12:25	77N	18:39	291	19:01
2025	Jul	22	(Tue)	05:49	06:11	69	12:25	77N	18:39	290	19:01
2025	Jul	23	(Wed)	05:49	06:11	70	12:25	78N	18:39	290	19:01
2025	Jul	24	(Thu)	05:49	06:11	70	12:25	78N	18:39	290	19:01
2025	Jul	25	(Fri)	05:49	06:11	70	12:25	78N	18:38	290	19:01
2025	Jul	26	(Sat)	05:49	06:12	70	12:25	78N	18:38	290	19:00
2025	Jul	27	(Sun)	05:50	06:12	71	12:25	78N	18:38	289	19:00
2025	Jul	28	(Mon)	05:50	06:12	71	12:25	79N	18:38	289	19:00
2025	Jul	29	(Tue)	05:50	06:12	71	12:25	79N	18:38	289	19:00
2025	Jul	30	(Wed)	05:50	06:12	71	12:25	79N	18:38	289	19:00
2025	Jul	31	(Thu)	05:50	06:12	71	12:25	79N	18:37	288	18:59
2025	Aug	01	(Fri)	05:50	06:12	72	12:25	80N	18:37	288	18:59

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

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

2025	Dec	14	(Sun)	05:59	06:21	113	12:13	61S	18:05	247	18:27
2025	Dec	15	(Mon)	05:59	06:22	113	12:13	60S	18:05	247	18:28
2025	Dec	16	(Tue)	06:00	06:22	113	12:14	60S	18:06	247	18:28
2025	Dec	17	(Wed)	06:00	06:23	113	12:14	60S	18:06	247	18:29
2025	Dec	18	(Thu)	06:01	06:23	113	12:15	60S	18:07	247	18:29
2025	Dec	19	(Fri)	06:01	06:24	113	12:15	60S	18:07	247	18:30
2025	Dec	20	(Sat)	06:02	06:24	114	12:16	60S	18:08	246	18:30
2025	Dec	21	(Sun)	06:02	06:25	114	12:16	60S	18:08	246	18:31
2025	Dec	22	(Mon)	06:03	06:25	114	12:17	60S	18:09	246	18:31
2025	Dec	23	(Tue)	06:03	06:26	114	12:17	60S	18:09	246	18:32
2025	Dec	24	(Wed)	06:04	06:26	113	12:18	60S	18:10	247	18:32
2025	Dec	25	(Thu)	06:04	06:27	113	12:18	60S	18:10	247	18:33
2025	Dec	26	(Fri)	06:05	06:27	113	12:19	60S	18:11	247	18:33
2025	Dec	27	(Sat)	06:05	06:28	113	12:19	60S	18:11	247	18:34
2025	Dec	28	(Sun)	06:06	06:28	113	12:20	61S	18:12	247	18:34
2025	Dec	29	(Mon)	06:06	06:29	113	12:20	61S	18:12	247	18:35
2025	Dec	30	(Tue)	06:06	06:29	113	12:21	61S	18:13	247	18:35
2025	Dec	31	(Wed)	06:07	06:29	113	12:21	61S	18:13	247	18:36

Moon

VTDS

Location: E100°24'00.0", N 6°56'00.0", 90m
(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)	07:37	116	13:36	58S	19:37	246
2025 Jan 02 (Thu)	08:30	112	14:31	62S	20:33	250
2025 Jan 03 (Fri)	09:19	107	15:22	68S	21:27	256
2025 Jan 04 (Sat)	10:06	101	16:11	74S	22:19	262
2025 Jan 05 (Sun)	10:50	94	16:59	81S	23:10	269
2025 Jan 06 (Mon)	11:33	87	17:46	88S		
2025 Jan 07 (Tue)	12:18	81	18:34	86N	00:00	276
2025 Jan 08 (Wed)	13:05	74	19:25	80N	00:52	283
2025 Jan 09 (Thu)	13:55	69	20:19	75N	01:47	289
2025 Jan 10 (Fri)	14:50	64	21:18	71N	02:45	294
2025 Jan 11 (Sat)	15:48	62	22:18	69N	03:47	297
2025 Jan 12 (Sun)	16:50	61	23:20	69N	04:49	299
2025 Jan 13 (Mon)	17:51	63			05:50	298
2025 Jan 14 (Tue)	18:49	66	00:19	71N	06:47	296
2025 Jan 15 (Wed)	19:43	70	01:14	74N	07:38	292
2025 Jan 16 (Thu)	20:32	75	02:05	79N	08:25	287
2025 Jan 17 (Fri)	21:18	81	02:50	84N	09:07	282
2025 Jan 18 (Sat)	22:02	87	03:33	90N	09:46	276
2025 Jan 19 (Sun)	22:44	93	04:13	85S	10:22	270
2025 Jan 20 (Mon)	23:27	99	04:52	79S	10:59	264
2025 Jan 21 (Tue)			05:32	73S	11:36	258
2025 Jan 22 (Wed)	00:10	104	06:13	68S	12:14	253
2025 Jan 23 (Thu)	00:55	109	06:56	63S	12:56	249
2025 Jan 24 (Fri)	01:44	113	07:43	59S	13:42	245
2025 Jan 25 (Sat)	02:36	117	08:34	56S	14:32	242
2025 Jan 26 (Sun)	03:31	118	09:28	55S	15:26	241
2025 Jan 27 (Mon)	04:27	119	10:26	55S	16:24	242
2025 Jan 28 (Tue)	05:24	117	11:23	57S	17:23	244
2025 Jan 29 (Wed)	06:19	114	12:20	60S	18:22	248
2025 Jan 30 (Thu)	07:11	109	13:14	66S	19:18	254
2025 Jan 31 (Fri)	08:00	103	14:05	72S	20:12	260
2025 Feb 01 (Sat)	08:46	97	14:55	79S	21:05	267
2025 Feb 02 (Sun)	09:31	89	15:43	86S	21:56	274
2025 Feb 03 (Mon)	10:16	82	16:32	88N	22:49	281
2025 Feb 04 (Tue)	11:02	76	17:22	82N	23:43	287
2025 Feb 05 (Wed)	11:52	70	18:15	76N		
2025 Feb 06 (Thu)	12:45	65	19:11	72N	00:40	293

2025 Feb 07 (Fri)	13:41	62	20:10	69N	01:40	296
2025 Feb 08 (Sat)	14:40	61	21:11	69N	02:40	298
2025 Feb 09 (Sun)	15:40	62	22:10	70N	03:41	299
2025 Feb 10 (Mon)	16:38	64	23:05	73N	04:38	297
2025 Feb 11 (Tue)	17:33	68	23:56	77N	05:30	294
2025 Feb 12 (Wed)	18:24	73			06:18	289
2025 Feb 13 (Thu)	19:11	79	00:44	82N	07:01	284
2025 Feb 14 (Fri)	19:56	85	01:27	88N	07:41	278
2025 Feb 15 (Sat)	20:39	91	02:08	88S	08:19	272
2025 Feb 16 (Sun)	21:21	97	02:48	81S	08:56	266
2025 Feb 17 (Mon)	22:04	102	03:27	76S	09:32	261
2025 Feb 18 (Tue)	22:48	107	04:08	70S	10:10	255
2025 Feb 19 (Wed)	23:35	112	04:50	65S	10:50	250
2025 Feb 20 (Thu)			05:35	61S	11:34	246
2025 Feb 21 (Fri)	00:25	115	06:23	57S	12:21	243
2025 Feb 22 (Sat)	01:18	118	07:15	55S	13:13	241
2025 Feb 23 (Sun)	02:13	119	08:11	55S	14:08	241
2025 Feb 24 (Mon)	03:09	118	09:07	56S	15:06	243
2025 Feb 25 (Tue)	04:05	116	10:04	58S	16:05	246
2025 Feb 26 (Wed)	04:58	112	10:59	63S	17:02	251
2025 Feb 27 (Thu)	05:48	106	11:52	69S	17:58	257
2025 Feb 28 (Fri)	06:37	100	12:44	75S	18:52	264
2025 Mar 01 (Sat)	07:23	93	13:34	83S	19:46	271
2025 Mar 02 (Sun)	08:09	85	14:24	90S	20:40	278
2025 Mar 03 (Mon)	08:57	78	15:15	84N	21:35	285
2025 Mar 04 (Tue)	09:46	72	16:09	78N	22:33	291
2025 Mar 05 (Wed)	10:39	67	17:06	73N	23:33	296
2025 Mar 06 (Thu)	11:36	63	18:05	70N		
2025 Mar 07 (Fri)	12:35	61	19:05	69N	00:35	298
2025 Mar 08 (Sat)	13:35	61	20:04	69N	01:36	299
2025 Mar 09 (Sun)	14:33	63	21:01	72N	02:33	298
2025 Mar 10 (Mon)	15:28	67	21:52	75N	03:27	295
2025 Mar 11 (Tue)	16:19	71	22:40	80N	04:15	291
2025 Mar 12 (Wed)	17:07	77	23:24	86N	04:59	286
2025 Mar 13 (Thu)	17:52	82			05:40	280
2025 Mar 14 (Fri)	18:35	88	00:06	90S	06:18	275
2025 Mar 15 (Sat)	19:18	94	00:45	84S	06:54	269
2025 Mar 16 (Sun)	20:00	100	01:25	78S	07:31	263
2025 Mar 17 (Mon)	20:44	106	02:05	72S	08:08	257
2025 Mar 18 (Tue)	21:30	110	02:46	67S	08:47	252
2025 Mar 19 (Wed)	22:18	114	03:30	62S	09:29	248
2025 Mar 20 (Thu)	23:09	117	04:17	58S	10:15	244
2025 Mar 21 (Fri)			05:07	56S	11:04	242
2025 Mar 22 (Sat)	00:02	119	06:00	55S	11:57	241
2025 Mar 23 (Sun)	00:57	119	06:54	55S	12:52	242
2025 Mar 24 (Mon)	01:51	117	07:50	57S	13:49	244
2025 Mar 25 (Tue)	02:44	114	08:44	60S	14:46	248
2025 Mar 26 (Wed)	03:35	109	09:37	66S	15:41	253
2025 Mar 27 (Thu)	04:23	103	10:29	72S	16:35	260
2025 Mar 28 (Fri)	05:10	97	11:19	79S	17:29	267
2025 Mar 29 (Sat)	05:57	89	12:09	87S	18:24	275
2025 Mar 30 (Sun)	06:45	82	13:01	87N	19:20	282
2025 Mar 31 (Mon)	07:35	75	13:56	81N	20:19	289
2025 Apr 01 (Tue)	08:28	69	14:53	75N	21:20	294
2025 Apr 02 (Wed)	09:26	64	15:54	71N	22:24	297
2025 Apr 03 (Thu)	10:26	62	16:56	69N	23:27	299
2025 Apr 04 (Fri)	11:28	61	17:58	69N		
2025 Apr 05 (Sat)	12:28	63	18:56	71N	00:28	298
2025 Apr 06 (Sun)	13:24	66	19:50	74N	01:23	296
2025 Apr 07 (Mon)	14:17	70	20:38	79N	02:13	292
2025 Apr 08 (Tue)	15:05	75	21:23	84N	02:59	288
2025 Apr 09 (Wed)	15:50	81	22:05	90N	03:40	282
2025 Apr 10 (Thu)	16:34	86	22:45	86S	04:18	276
2025 Apr 11 (Fri)	17:16	92	23:24	80S	04:55	271
2025 Apr 12 (Sat)	17:58	98			05:31	265
2025 Apr 13 (Sun)	18:41	104	00:04	74S	06:08	259
2025 Apr 14 (Mon)	19:26	109	00:44	69S	06:46	254

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

2025 Jun 21 (Sat)	01:47 77	08:06 83N	14:26 286
2025 Jun 22 (Sun)	02:37 71	09:00 77N	15:25 292
2025 Jun 23 (Mon)	03:32 66	09:59 73N	16:28 296
2025 Jun 24 (Tue)	04:32 63	11:03 70N	17:34 298
2025 Jun 25 (Wed)	05:37 61	12:08 69N	18:39 298
2025 Jun 26 (Thu)	06:41 62	13:12 70N	19:41 297
2025 Jun 27 (Fri)	07:44 65	14:11 74N	20:36 293
2025 Jun 28 (Sat)	08:41 69	15:04 78N	21:26 288
2025 Jun 29 (Sun)	09:34 75	15:53 84N	22:10 282
2025 Jun 30 (Mon)	10:22 80	16:37 90N	22:50 276
2025 Jul 01 (Tue)	11:07 87	17:19 86S	23:28 270
2025 Jul 02 (Wed)	11:50 93	17:59 80S	
2025 Jul 03 (Thu)	12:33 98	18:39 74S	00:05 264
2025 Jul 04 (Fri)	13:17 104	19:20 68S	00:43 259
2025 Jul 05 (Sat)	14:02 109	20:03 64S	01:21 254
2025 Jul 06 (Sun)	14:49 113	20:49 60S	02:02 249
2025 Jul 07 (Mon)	15:40 116	21:38 57S	02:47 245
2025 Jul 08 (Tue)	16:33 118	22:30 55S	03:36 243
2025 Jul 09 (Wed)	17:27 119	23:25 55S	04:28 241
2025 Jul 10 (Thu)	18:21 118		05:22 242
2025 Jul 11 (Fri)	19:14 115	00:19 56S	06:18 244
2025 Jul 12 (Sat)	20:03 111	01:13 59S	07:13 247
2025 Jul 13 (Sun)	20:50 106	02:04 64S	08:07 252
2025 Jul 14 (Mon)	21:34 99	02:53 69S	08:58 257
2025 Jul 15 (Tue)	22:17 93	03:40 76S	09:48 264
2025 Jul 16 (Wed)	23:00 86	04:27 83S	10:38 271
2025 Jul 17 (Thu)	23:44 79	05:13 89S	11:28 277
2025 Jul 18 (Fri)		06:02 85N	12:21 284
2025 Jul 19 (Sat)	00:32 73	06:53 79N	13:16 290
2025 Jul 20 (Sun)	01:23 68	07:49 74N	14:16 295
2025 Jul 21 (Mon)	02:20 64	08:49 70N	15:19 298
2025 Jul 22 (Tue)	03:21 62	09:52 69N	16:23 299
2025 Jul 23 (Wed)	04:25 62	10:55 69N	17:25 298
2025 Jul 24 (Thu)	05:28 64	11:56 72N	18:23 295
2025 Jul 25 (Fri)	06:27 67	12:52 76N	19:15 290
2025 Jul 26 (Sat)	07:22 72	13:43 81N	20:02 285
2025 Jul 27 (Sun)	08:12 78	14:29 87N	20:44 279
2025 Jul 28 (Mon)	08:59 84	15:12 88S	21:24 273
2025 Jul 29 (Tue)	09:44 90	15:54 82S	22:02 267
2025 Jul 30 (Wed)	10:27 96	16:34 76S	22:39 261
2025 Jul 31 (Thu)	11:11 102	17:15 70S	23:17 255
2025 Aug 01 (Fri)	11:55 107	17:57 65S	23:58 251
2025 Aug 02 (Sat)	12:42 112	18:42 61S	
2025 Aug 03 (Sun)	13:31 115	19:30 58S	00:41 247
2025 Aug 04 (Mon)	14:23 118	20:21 55S	01:27 243
2025 Aug 05 (Tue)	15:17 119	21:14 55S	02:18 242
2025 Aug 06 (Wed)	16:11 118	22:09 56S	03:12 241
2025 Aug 07 (Thu)	17:05 116	23:04 58S	04:07 243
2025 Aug 08 (Fri)	17:56 113	23:57 62S	05:03 245
2025 Aug 09 (Sat)	18:45 108		05:58 250
2025 Aug 10 (Sun)	19:30 102	00:47 67S	06:51 255
2025 Aug 11 (Mon)	20:15 95	01:36 73S	07:43 262
2025 Aug 12 (Tue)	20:58 88	02:23 80S	08:34 268
2025 Aug 13 (Wed)	21:43 81	03:11 87S	09:25 275
2025 Aug 14 (Thu)	22:30 75	03:59 87N	10:17 282
2025 Aug 15 (Fri)	23:20 69	04:50 81N	11:12 288
2025 Aug 16 (Sat)		05:44 75N	12:10 293
2025 Aug 17 (Sun)	00:14 65	06:42 71N	13:11 297
2025 Aug 18 (Mon)	01:13 62	07:43 69N	14:14 299
2025 Aug 19 (Tue)	02:15 61	08:45 69N	15:16 298
2025 Aug 20 (Wed)	03:17 62	09:46 71N	16:14 296
2025 Aug 21 (Thu)	04:16 66	10:42 74N	17:07 292
2025 Aug 22 (Fri)	05:12 70	11:34 79N	17:55 287
2025 Aug 23 (Sat)	06:04 75	12:22 85N	18:39 282
2025 Aug 24 (Sun)	06:52 81	13:06 91N	19:19 275
2025 Aug 25 (Mon)	07:37 88	13:48 85S	19:58 269
2025 Aug 26 (Tue)	08:21 94	14:29 78S	20:35 263

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

2025 Nov 02 (Sun)	15:15	91	21:26	84S	02:47	265
2025 Nov 03 (Mon)	16:00	84	22:15	90N	03:38	272
2025 Nov 04 (Tue)	16:49	77	23:08	83N	04:32	280
2025 Nov 05 (Wed)	17:41	71			05:30	286
2025 Nov 06 (Thu)	18:40	66	00:06	77N	06:32	292
2025 Nov 07 (Fri)	19:43	62	01:08	72N	07:38	296
2025 Nov 08 (Sat)	20:49	61	02:14	69N	08:45	298
2025 Nov 09 (Sun)	21:53	63	03:20	69N	09:51	298
2025 Nov 10 (Mon)	22:55	66	04:23	71N	10:51	296
2025 Nov 11 (Tue)	23:50	70	05:21	74N	11:45	292
2025 Nov 12 (Wed)			06:13	79N	12:33	287
2025 Nov 13 (Thu)	00:42	76	07:00	85N	13:16	281
2025 Nov 14 (Fri)	01:29	82	07:43	91S	13:56	275
2025 Nov 15 (Sat)	02:13	88	08:24	85S	14:33	269
2025 Nov 16 (Sun)	02:56	94	09:04	79S	15:10	263
2025 Nov 17 (Mon)	03:39	99	09:44	73S	15:48	258
2025 Nov 18 (Tue)	04:23	105	10:26	68S	16:27	253
2025 Nov 19 (Wed)	05:09	110	11:10	63S	17:09	248
2025 Nov 20 (Thu)	05:57	114	11:56	59S	17:54	245
2025 Nov 21 (Fri)	06:47	117	12:45	56S	18:42	243
2025 Nov 22 (Sat)	07:39	118	13:36	55S	19:33	241
2025 Nov 23 (Sun)	08:31	118	14:28	55S	20:25	242
2025 Nov 24 (Mon)	09:22	117	15:19	57S	21:18	244
2025 Nov 25 (Tue)	10:11	115	16:10	60S	22:09	247
2025 Nov 26 (Wed)	10:58	111	16:58	64S	23:00	251
2025 Nov 27 (Thu)	11:42	106	17:45	69S	23:49	257
2025 Nov 28 (Fri)	12:25	100	18:30	75S		
2025 Nov 29 (Sat)	13:07	94	19:16	81S	00:37	263
2025 Nov 30 (Sun)	13:50	87	20:02	88S	01:26	269
2025 Dec 01 (Mon)	14:35	80	20:52	86N	02:17	276
2025 Dec 02 (Tue)	15:24	74	21:45	80N	03:11	283
2025 Dec 03 (Wed)	16:18	68	22:45	74N	04:09	289
2025 Dec 04 (Thu)	17:19	64	23:49	71N	05:12	294
2025 Dec 05 (Fri)	18:25	62			06:20	298
2025 Dec 06 (Sat)	19:32	62	00:57	69N	07:28	298
2025 Dec 07 (Sun)	20:38	64	02:03	70N	08:34	297
2025 Dec 08 (Mon)	21:38	68	03:06	73N	09:33	294
2025 Dec 09 (Tue)	22:33	74	04:03	77N	10:25	289
2025 Dec 10 (Wed)	23:23	80	04:53	83N	11:11	283
2025 Dec 11 (Thu)			05:39	89N	11:53	277
2025 Dec 12 (Fri)	00:10	86	06:22	86S	12:32	271
2025 Dec 13 (Sat)	00:54	92	07:03	80S	13:10	265
2025 Dec 14 (Sun)	01:37	98	07:43	74S	13:48	259
2025 Dec 15 (Mon)	02:21	103	08:24	69S	14:26	254
2025 Dec 16 (Tue)	03:06	108	09:07	64S	15:07	250
2025 Dec 17 (Wed)	03:53	112	09:53	60S	15:51	246
2025 Dec 18 (Thu)	04:42	116	10:41	57S	16:38	243
2025 Dec 19 (Fri)	05:34	118	11:31	55S	17:28	242
2025 Dec 20 (Sat)	06:26	118	12:23	55S	18:21	242
2025 Dec 21 (Sun)	07:18	118	13:16	56S	19:14	243
2025 Dec 22 (Mon)	08:08	116	14:07	59S	20:06	246
2025 Dec 23 (Tue)	08:56	112	14:56	62S	20:57	250
2025 Dec 24 (Wed)	09:41	107	15:43	67S	21:46	255
2025 Dec 25 (Thu)	10:23	102	16:28	73S	22:34	261
2025 Dec 26 (Fri)	11:05	96	17:12	79S	23:21	267
2025 Dec 27 (Sat)	11:46	89	17:57	86S		
2025 Dec 28 (Sun)	12:28	83	18:43	89N	00:10	274
2025 Dec 29 (Mon)	13:14	76	19:33	82N	01:00	281
2025 Dec 30 (Tue)	14:04	70	20:27	77N	01:54	287
2025 Dec 31 (Wed)	14:59	66	21:27	72N	02:53	292