

Sun

VTNC

Location: E 98°58'00.0", N18°48'00.0", 1035m
(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)	06:06	06:57 114		12:28 49S	17:59 246		18:49
2025 Jan 02 (Thu)	06:06	06:57 114		12:28 49S	17:59 246		18:50
2025 Jan 03 (Fri)	06:07	06:58 114		12:29 49S	18:00 246		18:51
2025 Jan 04 (Sat)	06:07	06:58 114		12:29 49S	18:00 246		18:51
2025 Jan 05 (Sun)	06:07	06:58 114		12:30 49S	18:01 246		18:52
2025 Jan 06 (Mon)	06:08	06:58 114		12:30 49S	18:02 247		18:52
2025 Jan 07 (Tue)	06:08	06:59 113		12:30 50S	18:02 247		18:53
2025 Jan 08 (Wed)	06:08	06:59 113		12:31 50S	18:03 247		18:54
2025 Jan 09 (Thu)	06:08	06:59 113		12:31 50S	18:04 247		18:54
2025 Jan 10 (Fri)	06:09	06:59 113		12:32 50S	18:04 247		18:55
2025 Jan 11 (Sat)	06:09	06:59 113		12:32 50S	18:05 247		18:55
2025 Jan 12 (Sun)	06:09	07:00 113		12:32 50S	18:05 247		18:56
2025 Jan 13 (Mon)	06:09	07:00 112		12:33 50S	18:06 248		18:56
2025 Jan 14 (Tue)	06:09	07:00 112		12:33 51S	18:07 248		18:57
2025 Jan 15 (Wed)	06:10	07:00 112		12:34 51S	18:07 248		18:58
2025 Jan 16 (Thu)	06:10	07:00 112		12:34 51S	18:08 248		18:58
2025 Jan 17 (Fri)	06:10	07:00 112		12:34 51S	18:09 248		18:59
2025 Jan 18 (Sat)	06:10	07:00 111		12:35 51S	18:09 249		18:59
2025 Jan 19 (Sun)	06:10	07:00 111		12:35 52S	18:10 249		19:00
2025 Jan 20 (Mon)	06:10	07:00 111		12:35 52S	18:10 249		19:00
2025 Jan 21 (Tue)	06:10	07:00 111		12:35 52S	18:11 249		19:01
2025 Jan 22 (Wed)	06:10	07:00 111		12:36 52S	18:12 250		19:02
2025 Jan 23 (Thu)	06:10	07:00 110		12:36 53S	18:12 250		19:02
2025 Jan 24 (Fri)	06:10	07:00 110		12:36 53S	18:13 250		19:03
2025 Jan 25 (Sat)	06:10	06:59 110		12:36 53S	18:14 250		19:03
2025 Jan 26 (Sun)	06:10	06:59 110		12:37 53S	18:14 251		19:04
2025 Jan 27 (Mon)	06:10	06:59 109		12:37 54S	18:15 251		19:04
2025 Jan 28 (Tue)	06:10	06:59 109		12:37 54S	18:15 251		19:05
2025 Jan 29 (Wed)	06:09	06:59 109		12:37 54S	18:16 251		19:05
2025 Jan 30 (Thu)	06:09	06:59 108		12:37 54S	18:16 252		19:06
2025 Jan 31 (Fri)	06:09	06:58 108		12:38 55S	18:17 252		19:06
2025 Feb 01 (Sat)	06:09	06:58 108		12:38 55S	18:18 252		19:07
2025 Feb 02 (Sun)	06:09	06:58 107		12:38 55S	18:18 253		19:07
2025 Feb 03 (Mon)	06:08	06:57 107		12:38 55S	18:19 253		19:08
2025 Feb 04 (Tue)	06:08	06:57 107		12:38 56S	18:19 253		19:08
2025 Feb 05 (Wed)	06:08	06:57 107		12:38 56S	18:20 254		19:08
2025 Feb 06 (Thu)	06:08	06:56 106		12:38 56S	18:20 254		19:09
2025 Feb 07 (Fri)	06:07	06:56 106		12:38 57S	18:21 254		19:09
2025 Feb 08 (Sat)	06:07	06:56 106		12:38 57S	18:21 255		19:10
2025 Feb 09 (Sun)	06:07	06:55 105		12:38 57S	18:22 255		19:10
2025 Feb 10 (Mon)	06:06	06:55 105		12:38 58S	18:22 255		19:11
2025 Feb 11 (Tue)	06:06	06:54 105		12:38 58S	18:23 256		19:11
2025 Feb 12 (Wed)	06:05	06:54 104		12:38 58S	18:23 256		19:11
2025 Feb 13 (Thu)	06:05	06:53 104		12:38 59S	18:24 256		19:12
2025 Feb 14 (Fri)	06:05	06:53 103		12:38 59S	18:24 257		19:12
2025 Feb 15 (Sat)	06:04	06:52 103		12:38 59S	18:25 257		19:13
2025 Feb 16 (Sun)	06:04	06:52 103		12:38 60S	18:25 257		19:13
2025 Feb 17 (Mon)	06:03	06:51 102		12:38 60S	18:25 258		19:13
2025 Feb 18 (Tue)	06:03	06:50 102		12:38 60S	18:26 258		19:14
2025 Feb 19 (Wed)	06:02	06:50 102		12:38 61S	18:26 259		19:14
2025 Feb 20 (Thu)	06:01	06:49 101		12:38 61S	18:27 259		19:14
2025 Feb 21 (Fri)	06:01	06:49 101		12:38 61S	18:27 259		19:15
2025 Feb 22 (Sat)	06:00	06:48 100		12:38 62S	18:27 260		19:15
2025 Feb 23 (Sun)	06:00	06:47 100		12:37 62S	18:28 260		19:15
2025 Feb 24 (Mon)	05:59	06:47 100		12:37 63S	18:28 260		19:16

2025	Feb	25	(Tue)	05:59	06:46	99	12:37	63S	18:28	261	19:16
2025	Feb	26	(Wed)	05:58	06:45	99	12:37	63S	18:29	261	19:16
2025	Feb	27	(Thu)	05:57	06:45	99	12:37	64S	18:29	262	19:17
2025	Feb	28	(Fri)	05:57	06:44	98	12:37	64S	18:29	262	19:17
2025	Mar	01	(Sat)	05:56	06:43	98	12:36	64S	18:30	262	19:17
2025	Mar	02	(Sun)	05:55	06:43	97	12:36	65S	18:30	263	19:18
2025	Mar	03	(Mon)	05:55	06:42	97	12:36	65S	18:30	263	19:18
2025	Mar	04	(Tue)	05:54	06:41	97	12:36	66S	18:31	264	19:18
2025	Mar	05	(Wed)	05:53	06:40	96	12:36	66S	18:31	264	19:18
2025	Mar	06	(Thu)	05:52	06:40	96	12:35	66S	18:31	265	19:19
2025	Mar	07	(Fri)	05:52	06:39	95	12:35	67S	18:32	265	19:19
2025	Mar	08	(Sat)	05:51	06:38	95	12:35	67S	18:32	265	19:19
2025	Mar	09	(Sun)	05:50	06:37	94	12:35	68S	18:32	266	19:19
2025	Mar	10	(Mon)	05:49	06:37	94	12:34	68S	18:33	266	19:20
2025	Mar	11	(Tue)	05:49	06:36	94	12:34	68S	18:33	267	19:20
2025	Mar	12	(Wed)	05:48	06:35	93	12:34	69S	18:33	267	19:20
2025	Mar	13	(Thu)	05:47	06:34	93	12:34	69S	18:33	267	19:21
2025	Mar	14	(Fri)	05:46	06:33	92	12:33	69S	18:34	268	19:21
2025	Mar	15	(Sat)	05:45	06:32	92	12:33	70S	18:34	268	19:21
2025	Mar	16	(Sun)	05:45	06:32	92	12:33	70S	18:34	269	19:21
2025	Mar	17	(Mon)	05:44	06:31	91	12:32	71S	18:34	269	19:22
2025	Mar	18	(Tue)	05:43	06:30	91	12:32	71S	18:35	269	19:22
2025	Mar	19	(Wed)	05:42	06:29	90	12:32	71S	18:35	270	19:22
2025	Mar	20	(Thu)	05:41	06:28	90	12:32	72S	18:35	270	19:22
2025	Mar	21	(Fri)	05:40	06:28	89	12:31	72S	18:35	271	19:23
2025	Mar	22	(Sat)	05:39	06:27	89	12:31	73S	18:36	271	19:23
2025	Mar	23	(Sun)	05:39	06:26	89	12:31	73S	18:36	272	19:23
2025	Mar	24	(Mon)	05:38	06:25	88	12:30	73S	18:36	272	19:23
2025	Mar	25	(Tue)	05:37	06:24	88	12:30	74S	18:36	272	19:24
2025	Mar	26	(Wed)	05:36	06:23	87	12:30	74S	18:37	273	19:24
2025	Mar	27	(Thu)	05:35	06:23	87	12:29	75S	18:37	273	19:24
2025	Mar	28	(Fri)	05:34	06:22	87	12:29	75S	18:37	274	19:24
2025	Mar	29	(Sat)	05:33	06:21	86	12:29	75S	18:37	274	19:25
2025	Mar	30	(Sun)	05:33	06:20	86	12:29	76S	18:37	274	19:25
2025	Mar	31	(Mon)	05:32	06:19	85	12:28	76S	18:38	275	19:25
2025	Apr	01	(Tue)	05:31	06:18	85	12:28	77S	18:38	275	19:25
2025	Apr	02	(Wed)	05:30	06:18	85	12:28	77S	18:38	276	19:26
2025	Apr	03	(Thu)	05:29	06:17	84	12:27	77S	18:38	276	19:26
2025	Apr	04	(Fri)	05:28	06:16	84	12:27	78S	18:39	277	19:26
2025	Apr	05	(Sat)	05:27	06:15	83	12:27	78S	18:39	277	19:27
2025	Apr	06	(Sun)	05:26	06:14	83	12:27	78S	18:39	277	19:27
2025	Apr	07	(Mon)	05:26	06:13	82	12:26	79S	18:39	278	19:27
2025	Apr	08	(Tue)	05:25	06:13	82	12:26	79S	18:40	278	19:28
2025	Apr	09	(Wed)	05:24	06:12	82	12:26	80S	18:40	278	19:28
2025	Apr	10	(Thu)	05:23	06:11	81	12:25	80S	18:40	279	19:28
2025	Apr	11	(Fri)	05:22	06:10	81	12:25	80S	18:40	279	19:28
2025	Apr	12	(Sat)	05:21	06:10	81	12:25	81S	18:41	280	19:29
2025	Apr	13	(Sun)	05:21	06:09	80	12:25	81S	18:41	280	19:29
2025	Apr	14	(Mon)	05:20	06:08	80	12:24	81S	18:41	280	19:29
2025	Apr	15	(Tue)	05:19	06:07	79	12:24	82S	18:41	281	19:30
2025	Apr	16	(Wed)	05:18	06:06	79	12:24	82S	18:42	281	19:30
2025	Apr	17	(Thu)	05:17	06:06	79	12:24	82S	18:42	282	19:30
2025	Apr	18	(Fri)	05:16	06:05	78	12:23	83S	18:42	282	19:31
2025	Apr	19	(Sat)	05:16	06:04	78	12:23	83S	18:42	282	19:31
2025	Apr	20	(Sun)	05:15	06:04	78	12:23	84S	18:43	283	19:32
2025	Apr	21	(Mon)	05:14	06:03	77	12:23	84S	18:43	283	19:32
2025	Apr	22	(Tue)	05:13	06:02	77	12:23	84S	18:43	283	19:32
2025	Apr	23	(Wed)	05:13	06:02	76	12:22	85S	18:44	284	19:33
2025	Apr	24	(Thu)	05:12	06:01	76	12:22	85S	18:44	284	19:33
2025	Apr	25	(Fri)	05:11	06:00	76	12:22	85S	18:44	284	19:33
2025	Apr	26	(Sat)	05:10	06:00	75	12:22	86S	18:45	285	19:34
2025	Apr	27	(Sun)	05:10	05:59	75	12:22	86S	18:45	285	19:34
2025	Apr	28	(Mon)	05:09	05:58	75	12:22	86S	18:45	285	19:35
2025	Apr	29	(Tue)	05:08	05:58	74	12:21	86S	18:45	286	19:35
2025	Apr	30	(Wed)	05:08	05:57	74	12:21	87S	18:46	286	19:36
2025	May	01	(Thu)	05:07	05:57	74	12:21	87S	18:46	286	19:36
2025	May	02	(Fri)	05:06	05:56	73	12:21	87S	18:46	287	19:36

2025	May	03	(Sat)	05:06	05:55	73	12:21	88S	18:47	287	19:37
2025	May	04	(Sun)	05:05	05:55	73	12:21	88S	18:47	287	19:37
2025	May	05	(Mon)	05:04	05:54	73	12:21	88S	18:47	288	19:38
2025	May	06	(Tue)	05:04	05:54	72	12:21	89S	18:48	288	19:38
2025	May	07	(Wed)	05:03	05:53	72	12:21	89S	18:48	288	19:39
2025	May	08	(Thu)	05:03	05:53	72	12:21	89S	18:49	289	19:39
2025	May	09	(Fri)	05:02	05:52	71	12:21	89S	18:49	289	19:40
2025	May	10	(Sat)	05:01	05:52	71	12:21	90S	18:49	289	19:40
2025	May	11	(Sun)	05:01	05:52	71	12:21	90S	18:50	289	19:40
2025	May	12	(Mon)	05:00	05:51	71	12:20	90S	18:50	290	19:41
2025	May	13	(Tue)	05:00	05:51	70	12:20	90S	18:50	290	19:41
2025	May	14	(Wed)	04:59	05:50	70	12:20	91S	18:51	290	19:42
2025	May	15	(Thu)	04:59	05:50	70	12:20	91N	18:51	290	19:42
2025	May	16	(Fri)	04:58	05:50	69	12:20	90N	18:52	291	19:43
2025	May	17	(Sat)	04:58	05:49	69	12:21	90N	18:52	291	19:43
2025	May	18	(Sun)	04:58	05:49	69	12:21	90N	18:52	291	19:44
2025	May	19	(Mon)	04:57	05:49	69	12:21	90N	18:53	291	19:44
2025	May	20	(Tue)	04:57	05:48	69	12:21	89N	18:53	292	19:45
2025	May	21	(Wed)	04:57	05:48	68	12:21	89N	18:53	292	19:45
2025	May	22	(Thu)	04:56	05:48	68	12:21	89N	18:54	292	19:46
2025	May	23	(Fri)	04:56	05:48	68	12:21	89N	18:54	292	19:46
2025	May	24	(Sat)	04:56	05:48	68	12:21	89N	18:55	292	19:47
2025	May	25	(Sun)	04:55	05:47	68	12:21	89N	18:55	293	19:47
2025	May	26	(Mon)	04:55	05:47	67	12:21	88N	18:55	293	19:48
2025	May	27	(Tue)	04:55	05:47	67	12:21	88N	18:56	293	19:48
2025	May	28	(Wed)	04:55	05:47	67	12:21	88N	18:56	293	19:48
2025	May	29	(Thu)	04:54	05:47	67	12:22	88N	18:57	293	19:49
2025	May	30	(Fri)	04:54	05:47	67	12:22	88N	18:57	293	19:49
2025	May	31	(Sat)	04:54	05:47	66	12:22	88N	18:57	294	19:50
2025	Jun	01	(Sun)	04:54	05:46	66	12:22	87N	18:58	294	19:50
2025	Jun	02	(Mon)	04:54	05:46	66	12:22	87N	18:58	294	19:51
2025	Jun	03	(Tue)	04:54	05:46	66	12:22	87N	18:58	294	19:51
2025	Jun	04	(Wed)	04:54	05:46	66	12:22	87N	18:59	294	19:52
2025	Jun	05	(Thu)	04:54	05:46	66	12:23	87N	18:59	294	19:52
2025	Jun	06	(Fri)	04:53	05:46	66	12:23	87N	18:59	294	19:52
2025	Jun	07	(Sat)	04:53	05:46	66	12:23	87N	19:00	294	19:53
2025	Jun	08	(Sun)	04:53	05:46	65	12:23	87N	19:00	295	19:53
2025	Jun	09	(Mon)	04:53	05:46	65	12:23	87N	19:00	295	19:54
2025	Jun	10	(Tue)	04:53	05:46	65	12:24	86N	19:01	295	19:54
2025	Jun	11	(Wed)	04:53	05:47	65	12:24	86N	19:01	295	19:54
2025	Jun	12	(Thu)	04:54	05:47	65	12:24	86N	19:01	295	19:55
2025	Jun	13	(Fri)	04:54	05:47	65	12:24	86N	19:02	295	19:55
2025	Jun	14	(Sat)	04:54	05:47	65	12:24	86N	19:02	295	19:55
2025	Jun	15	(Sun)	04:54	05:47	65	12:25	86N	19:02	295	19:56
2025	Jun	16	(Mon)	04:54	05:47	65	12:25	86N	19:03	295	19:56
2025	Jun	17	(Tue)	04:54	05:47	65	12:25	86N	19:03	295	19:56
2025	Jun	18	(Wed)	04:54	05:47	65	12:25	86N	19:03	295	19:56
2025	Jun	19	(Thu)	04:54	05:48	65	12:26	86N	19:03	295	19:57
2025	Jun	20	(Fri)	04:55	05:48	65	12:26	86N	19:04	295	19:57
2025	Jun	21	(Sat)	04:55	05:48	65	12:26	86N	19:04	295	19:57
2025	Jun	22	(Sun)	04:55	05:48	65	12:26	86N	19:04	295	19:57
2025	Jun	23	(Mon)	04:55	05:49	65	12:26	86N	19:04	295	19:57
2025	Jun	24	(Tue)	04:56	05:49	65	12:27	86N	19:04	295	19:58
2025	Jun	25	(Wed)	04:56	05:49	65	12:27	86N	19:05	295	19:58
2025	Jun	26	(Thu)	04:56	05:49	65	12:27	86N	19:05	295	19:58
2025	Jun	27	(Fri)	04:56	05:50	65	12:27	86N	19:05	295	19:58
2025	Jun	28	(Sat)	04:57	05:50	65	12:27	86N	19:05	295	19:58
2025	Jun	29	(Sun)	04:57	05:50	65	12:28	86N	19:05	295	19:58
2025	Jun	30	(Mon)	04:57	05:50	65	12:28	86N	19:05	295	19:58
2025	Jul	01	(Tue)	04:58	05:51	65	12:28	86N	19:05	295	19:58
2025	Jul	02	(Wed)	04:58	05:51	65	12:28	86N	19:05	295	19:58
2025	Jul	03	(Thu)	04:58	05:51	65	12:28	87N	19:05	295	19:58
2025	Jul	04	(Fri)	04:59	05:52	65	12:29	87N	19:05	295	19:58
2025	Jul	05	(Sat)	04:59	05:52	66	12:29	87N	19:05	294	19:58
2025	Jul	06	(Sun)	04:59	05:52	66	12:29	87N	19:05	294	19:58
2025	Jul	07	(Mon)	05:00	05:53	66	12:29	87N	19:05	294	19:58
2025	Jul	08	(Tue)	05:00	05:53	66	12:29	87N	19:05	294	19:58

2025	Jul	09	(Wed)	05:01	05:53	66	12:29	87N	19:05	294	19:58
2025	Jul	10	(Thu)	05:01	05:54	66	12:30	87N	19:05	294	19:58
2025	Jul	11	(Fri)	05:01	05:54	66	12:30	87N	19:05	294	19:58
2025	Jul	12	(Sat)	05:02	05:54	66	12:30	88N	19:05	294	19:58
2025	Jul	13	(Sun)	05:02	05:55	67	12:30	88N	19:05	293	19:57
2025	Jul	14	(Mon)	05:03	05:55	67	12:30	88N	19:05	293	19:57
2025	Jul	15	(Tue)	05:03	05:55	67	12:30	88N	19:05	293	19:57
2025	Jul	16	(Wed)	05:04	05:56	67	12:30	88N	19:05	293	19:57
2025	Jul	17	(Thu)	05:04	05:56	67	12:30	88N	19:04	293	19:56
2025	Jul	18	(Fri)	05:04	05:57	67	12:30	89N	19:04	292	19:56
2025	Jul	19	(Sat)	05:05	05:57	68	12:30	89N	19:04	292	19:56
2025	Jul	20	(Sun)	05:05	05:57	68	12:31	89N	19:04	292	19:55
2025	Jul	21	(Mon)	05:06	05:58	68	12:31	89N	19:03	292	19:55
2025	Jul	22	(Tue)	05:06	05:58	68	12:31	89N	19:03	292	19:55
2025	Jul	23	(Wed)	05:07	05:58	68	12:31	89N	19:03	291	19:54
2025	Jul	24	(Thu)	05:07	05:59	69	12:31	90N	19:03	291	19:54
2025	Jul	25	(Fri)	05:08	05:59	69	12:31	90N	19:02	291	19:54
2025	Jul	26	(Sat)	05:08	05:59	69	12:31	90N	19:02	291	19:53
2025	Jul	27	(Sun)	05:08	06:00	69	12:31	90N	19:01	291	19:53
2025	Jul	28	(Mon)	05:09	06:00	70	12:31	91N	19:01	290	19:52
2025	Jul	29	(Tue)	05:09	06:00	70	12:31	91S	19:01	290	19:52
2025	Jul	30	(Wed)	05:10	06:01	70	12:31	90S	19:00	290	19:51
2025	Jul	31	(Thu)	05:10	06:01	70	12:31	90S	19:00	289	19:51
2025	Aug	01	(Fri)	05:11	06:01	71	12:31	90S	18:59	289	19:50
2025	Aug	02	(Sat)	05:11	06:02	71	12:30	90S	18:59	289	19:50
2025	Aug	03	(Sun)	05:11	06:02	71	12:30	89S	18:58	289	19:49
2025	Aug	04	(Mon)	05:12	06:02	71	12:30	89S	18:58	288	19:48
2025	Aug	05	(Tue)	05:12	06:03	72	12:30	89S	18:57	288	19:48
2025	Aug	06	(Wed)	05:13	06:03	72	12:30	89S	18:57	288	19:47
2025	Aug	07	(Thu)	05:13	06:03	72	12:30	88S	18:56	288	19:47
2025	Aug	08	(Fri)	05:13	06:04	73	12:30	88S	18:56	287	19:46
2025	Aug	09	(Sat)	05:14	06:04	73	12:30	88S	18:55	287	19:45
2025	Aug	10	(Sun)	05:14	06:04	73	12:30	87S	18:55	287	19:44
2025	Aug	11	(Mon)	05:15	06:04	74	12:29	87S	18:54	286	19:44
2025	Aug	12	(Tue)	05:15	06:05	74	12:29	87S	18:53	286	19:43
2025	Aug	13	(Wed)	05:15	06:05	74	12:29	86S	18:53	286	19:42
2025	Aug	14	(Thu)	05:16	06:05	75	12:29	86S	18:52	285	19:42
2025	Aug	15	(Fri)	05:16	06:06	75	12:29	86S	18:52	285	19:41
2025	Aug	16	(Sat)	05:16	06:06	75	12:28	86S	18:51	285	19:40
2025	Aug	17	(Sun)	05:17	06:06	76	12:28	85S	18:50	284	19:39
2025	Aug	18	(Mon)	05:17	06:06	76	12:28	85S	18:49	284	19:39
2025	Aug	19	(Tue)	05:17	06:07	76	12:28	85S	18:49	284	19:38
2025	Aug	20	(Wed)	05:18	06:07	77	12:28	84S	18:48	283	19:37
2025	Aug	21	(Thu)	05:18	06:07	77	12:27	84S	18:47	283	19:36
2025	Aug	22	(Fri)	05:18	06:07	77	12:27	84S	18:47	283	19:35
2025	Aug	23	(Sat)	05:19	06:07	78	12:27	83S	18:46	282	19:35
2025	Aug	24	(Sun)	05:19	06:08	78	12:27	83S	18:45	282	19:34
2025	Aug	25	(Mon)	05:19	06:08	78	12:26	83S	18:44	281	19:33
2025	Aug	26	(Tue)	05:20	06:08	79	12:26	82S	18:44	281	19:32
2025	Aug	27	(Wed)	05:20	06:08	79	12:26	82S	18:43	281	19:31
2025	Aug	28	(Thu)	05:20	06:09	79	12:25	82S	18:42	280	19:30
2025	Aug	29	(Fri)	05:20	06:09	80	12:25	81S	18:41	280	19:29
2025	Aug	30	(Sat)	05:21	06:09	80	12:25	81S	18:40	280	19:29
2025	Aug	31	(Sun)	05:21	06:09	81	12:24	80S	18:40	279	19:28
2025	Sep	01	(Mon)	05:21	06:09	81	12:24	80S	18:39	279	19:27
2025	Sep	02	(Tue)	05:22	06:10	81	12:24	80S	18:38	278	19:26
2025	Sep	03	(Wed)	05:22	06:10	82	12:24	79S	18:37	278	19:25
2025	Sep	04	(Thu)	05:22	06:10	82	12:23	79S	18:36	278	19:24
2025	Sep	05	(Fri)	05:22	06:10	83	12:23	79S	18:35	277	19:23
2025	Sep	06	(Sat)	05:22	06:10	83	12:23	78S	18:34	277	19:22
2025	Sep	07	(Sun)	05:23	06:10	83	12:22	78S	18:34	276	19:21
2025	Sep	08	(Mon)	05:23	06:11	84	12:22	77S	18:33	276	19:20
2025	Sep	09	(Tue)	05:23	06:11	84	12:21	77S	18:32	276	19:19
2025	Sep	10	(Wed)	05:23	06:11	85	12:21	77S	18:31	275	19:19
2025	Sep	11	(Thu)	05:24	06:11	85	12:21	76S	18:30	275	19:18
2025	Sep	12	(Fri)	05:24	06:11	85	12:20	76S	18:29	274	19:17
2025	Sep	13	(Sat)	05:24	06:11	86	12:20	76S	18:28	274	19:16

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

2025 Nov 20 (Thu)	05:44	06:34	111	12:10	52S	17:45	249	18:35
2025 Nov 21 (Fri)	05:45	06:35	111	12:10	52S	17:45	249	18:35
2025 Nov 22 (Sat)	05:45	06:35	111	12:10	52S	17:45	249	18:35
2025 Nov 23 (Sun)	05:46	06:36	111	12:11	52S	17:45	249	18:35
2025 Nov 24 (Mon)	05:46	06:36	111	12:11	51S	17:45	248	18:35
2025 Nov 25 (Tue)	05:47	06:37	112	12:11	51S	17:45	248	18:35
2025 Nov 26 (Wed)	05:47	06:37	112	12:11	51S	17:45	248	18:35
2025 Nov 27 (Thu)	05:48	06:38	112	12:12	51S	17:45	248	18:36
2025 Nov 28 (Fri)	05:48	06:39	112	12:12	51S	17:45	248	18:36
2025 Nov 29 (Sat)	05:49	06:39	112	12:12	50S	17:45	247	18:36
2025 Nov 30 (Sun)	05:49	06:40	113	12:13	50S	17:46	247	18:36
2025 Dec 01 (Mon)	05:50	06:41	113	12:13	50S	17:46	247	18:36
2025 Dec 02 (Tue)	05:51	06:41	113	12:14	50S	17:46	247	18:36
2025 Dec 03 (Wed)	05:51	06:42	113	12:14	50S	17:46	247	18:37
2025 Dec 04 (Thu)	05:52	06:42	113	12:14	50S	17:46	247	18:37
2025 Dec 05 (Fri)	05:52	06:43	113	12:15	50S	17:46	247	18:37
2025 Dec 06 (Sat)	05:53	06:44	114	12:15	49S	17:47	246	18:37
2025 Dec 07 (Sun)	05:53	06:44	114	12:16	49S	17:47	246	18:38
2025 Dec 08 (Mon)	05:54	06:45	114	12:16	49S	17:47	246	18:38
2025 Dec 09 (Tue)	05:55	06:45	114	12:16	49S	17:47	246	18:38
2025 Dec 10 (Wed)	05:55	06:46	114	12:17	49S	17:48	246	18:39
2025 Dec 11 (Thu)	05:56	06:47	114	12:17	49S	17:48	246	18:39
2025 Dec 12 (Fri)	05:56	06:47	114	12:18	49S	17:48	246	18:39
2025 Dec 13 (Sat)	05:57	06:48	114	12:18	49S	17:49	246	18:40
2025 Dec 14 (Sun)	05:57	06:48	114	12:19	49S	17:49	246	18:40
2025 Dec 15 (Mon)	05:58	06:49	114	12:19	49S	17:50	246	18:41
2025 Dec 16 (Tue)	05:58	06:49	114	12:20	49S	17:50	246	18:41
2025 Dec 17 (Wed)	05:59	06:50	114	12:20	49S	17:50	246	18:41
2025 Dec 18 (Thu)	05:59	06:51	114	12:21	49S	17:51	246	18:42
2025 Dec 19 (Fri)	06:00	06:51	115	12:21	48S	17:51	245	18:42
2025 Dec 20 (Sat)	06:00	06:52	115	12:22	48S	17:52	245	18:43
2025 Dec 21 (Sun)	06:01	06:52	115	12:22	48S	17:52	245	18:43
2025 Dec 22 (Mon)	06:01	06:53	115	12:23	48S	17:53	245	18:44
2025 Dec 23 (Tue)	06:02	06:53	115	12:23	48S	17:53	245	18:44
2025 Dec 24 (Wed)	06:02	06:54	115	12:24	48S	17:54	245	18:45
2025 Dec 25 (Thu)	06:03	06:54	114	12:24	49S	17:54	246	18:45
2025 Dec 26 (Fri)	06:03	06:55	114	12:25	49S	17:55	246	18:46
2025 Dec 27 (Sat)	06:04	06:55	114	12:25	49S	17:55	246	18:47
2025 Dec 28 (Sun)	06:04	06:55	114	12:26	49S	17:56	246	18:47
2025 Dec 29 (Mon)	06:05	06:56	114	12:26	49S	17:57	246	18:48
2025 Dec 30 (Tue)	06:05	06:56	114	12:27	49S	17:57	246	18:48
2025 Dec 31 (Wed)	06:06	06:57	114	12:27	49S	17:58	246	18:49

Sun

VTNC

Location: E 98°58'00.0", N18°48'00.0", 1035m
(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)	06:33	06:57	114	12:28	49S	17:59	246
2025 Jan 02 (Thu)	06:34	06:57	114	12:28	49S	17:59	246
2025 Jan 03 (Fri)	06:34	06:58	114	12:29	49S	18:00	246
2025 Jan 04 (Sat)	06:34	06:58	114	12:29	49S	18:00	246
2025 Jan 05 (Sun)	06:35	06:58	114	12:30	49S	18:01	246
2025 Jan 06 (Mon)	06:35	06:58	114	12:30	49S	18:02	247
2025 Jan 07 (Tue)	06:35	06:59	113	12:30	50S	18:02	247
2025 Jan 08 (Wed)	06:35	06:59	113	12:31	50S	18:03	247
2025 Jan 09 (Thu)	06:36	06:59	113	12:31	50S	18:04	247
2025 Jan 10 (Fri)	06:36	06:59	113	12:32	50S	18:04	247
2025 Jan 11 (Sat)	06:36	06:59	113	12:32	50S	18:05	247
2025 Jan 12 (Sun)	06:36	07:00	113	12:32	50S	18:05	247

2025	Jan	13	(Mon)	06:36	07:00	112	12:33	50S	18:06	248	18:30
2025	Jan	14	(Tue)	06:36	07:00	112	12:33	51S	18:07	248	18:30
2025	Jan	15	(Wed)	06:36	07:00	112	12:34	51S	18:07	248	18:31
2025	Jan	16	(Thu)	06:37	07:00	112	12:34	51S	18:08	248	18:31
2025	Jan	17	(Fri)	06:37	07:00	112	12:34	51S	18:09	248	18:32
2025	Jan	18	(Sat)	06:37	07:00	111	12:35	51S	18:09	249	18:33
2025	Jan	19	(Sun)	06:37	07:00	111	12:35	52S	18:10	249	18:33
2025	Jan	20	(Mon)	06:37	07:00	111	12:35	52S	18:10	249	18:34
2025	Jan	21	(Tue)	06:37	07:00	111	12:35	52S	18:11	249	18:34
2025	Jan	22	(Wed)	06:37	07:00	111	12:36	52S	18:12	250	18:35
2025	Jan	23	(Thu)	06:37	07:00	110	12:36	53S	18:12	250	18:35
2025	Jan	24	(Fri)	06:37	07:00	110	12:36	53S	18:13	250	18:36
2025	Jan	25	(Sat)	06:36	06:59	110	12:36	53S	18:14	250	18:37
2025	Jan	26	(Sun)	06:36	06:59	110	12:37	53S	18:14	251	18:37
2025	Jan	27	(Mon)	06:36	06:59	109	12:37	54S	18:15	251	18:38
2025	Jan	28	(Tue)	06:36	06:59	109	12:37	54S	18:15	251	18:38
2025	Jan	29	(Wed)	06:36	06:59	109	12:37	54S	18:16	251	18:39
2025	Jan	30	(Thu)	06:36	06:59	108	12:37	54S	18:16	252	18:39
2025	Jan	31	(Fri)	06:35	06:58	108	12:38	55S	18:17	252	18:40
2025	Feb	01	(Sat)	06:35	06:58	108	12:38	55S	18:18	252	18:40
2025	Feb	02	(Sun)	06:35	06:58	107	12:38	55S	18:18	253	18:41
2025	Feb	03	(Mon)	06:35	06:57	107	12:38	55S	18:19	253	18:41
2025	Feb	04	(Tue)	06:34	06:57	107	12:38	56S	18:19	253	18:42
2025	Feb	05	(Wed)	06:34	06:57	107	12:38	56S	18:20	254	18:42
2025	Feb	06	(Thu)	06:34	06:56	106	12:38	56S	18:20	254	18:43
2025	Feb	07	(Fri)	06:33	06:56	106	12:38	57S	18:21	254	18:43
2025	Feb	08	(Sat)	06:33	06:56	106	12:38	57S	18:21	255	18:44
2025	Feb	09	(Sun)	06:33	06:55	105	12:38	57S	18:22	255	18:44
2025	Feb	10	(Mon)	06:32	06:55	105	12:38	58S	18:22	255	18:45
2025	Feb	11	(Tue)	06:32	06:54	105	12:38	58S	18:23	256	18:45
2025	Feb	12	(Wed)	06:31	06:54	104	12:38	58S	18:23	256	18:46
2025	Feb	13	(Thu)	06:31	06:53	104	12:38	59S	18:24	256	18:46
2025	Feb	14	(Fri)	06:30	06:53	103	12:38	59S	18:24	257	18:46
2025	Feb	15	(Sat)	06:30	06:52	103	12:38	59S	18:25	257	18:47
2025	Feb	16	(Sun)	06:29	06:52	103	12:38	60S	18:25	257	18:47
2025	Feb	17	(Mon)	06:29	06:51	102	12:38	60S	18:25	258	18:48
2025	Feb	18	(Tue)	06:28	06:50	102	12:38	60S	18:26	258	18:48
2025	Feb	19	(Wed)	06:28	06:50	102	12:38	61S	18:26	259	18:48
2025	Feb	20	(Thu)	06:27	06:49	101	12:38	61S	18:27	259	18:49
2025	Feb	21	(Fri)	06:27	06:49	101	12:38	61S	18:27	259	18:49
2025	Feb	22	(Sat)	06:26	06:48	100	12:38	62S	18:27	260	18:49
2025	Feb	23	(Sun)	06:25	06:47	100	12:37	62S	18:28	260	18:50
2025	Feb	24	(Mon)	06:25	06:47	100	12:37	63S	18:28	260	18:50
2025	Feb	25	(Tue)	06:24	06:46	99	12:37	63S	18:28	261	18:51
2025	Feb	26	(Wed)	06:23	06:45	99	12:37	63S	18:29	261	18:51
2025	Feb	27	(Thu)	06:23	06:45	99	12:37	64S	18:29	262	18:51
2025	Feb	28	(Fri)	06:22	06:44	98	12:37	64S	18:29	262	18:51
2025	Mar	01	(Sat)	06:21	06:43	98	12:36	64S	18:30	262	18:52
2025	Mar	02	(Sun)	06:21	06:43	97	12:36	65S	18:30	263	18:52
2025	Mar	03	(Mon)	06:20	06:42	97	12:36	65S	18:30	263	18:52
2025	Mar	04	(Tue)	06:19	06:41	97	12:36	66S	18:31	264	18:53
2025	Mar	05	(Wed)	06:18	06:40	96	12:36	66S	18:31	264	18:53
2025	Mar	06	(Thu)	06:18	06:40	96	12:35	66S	18:31	265	18:53
2025	Mar	07	(Fri)	06:17	06:39	95	12:35	67S	18:32	265	18:54
2025	Mar	08	(Sat)	06:16	06:38	95	12:35	67S	18:32	265	18:54
2025	Mar	09	(Sun)	06:15	06:37	94	12:35	68S	18:32	266	18:54
2025	Mar	10	(Mon)	06:15	06:37	94	12:34	68S	18:33	266	18:54
2025	Mar	11	(Tue)	06:14	06:36	94	12:34	68S	18:33	267	18:55
2025	Mar	12	(Wed)	06:13	06:35	93	12:34	69S	18:33	267	18:55
2025	Mar	13	(Thu)	06:12	06:34	93	12:34	69S	18:33	267	18:55
2025	Mar	14	(Fri)	06:11	06:33	92	12:33	69S	18:34	268	18:55
2025	Mar	15	(Sat)	06:11	06:32	92	12:33	70S	18:34	268	18:56
2025	Mar	16	(Sun)	06:10	06:32	92	12:33	70S	18:34	269	18:56
2025	Mar	17	(Mon)	06:09	06:31	91	12:32	71S	18:34	269	18:56
2025	Mar	18	(Tue)	06:08	06:30	91	12:32	71S	18:35	269	18:56
2025	Mar	19	(Wed)	06:07	06:29	90	12:32	71S	18:35	270	18:57
2025	Mar	20	(Thu)	06:07	06:28	90	12:32	72S	18:35	270	18:57

2025 Mar 21 (Fri)	06:06	06:28	89	12:31	72S	18:35	271	18:57
2025 Mar 22 (Sat)	06:05	06:27	89	12:31	73S	18:36	271	18:57
2025 Mar 23 (Sun)	06:04	06:26	89	12:31	73S	18:36	272	18:58
2025 Mar 24 (Mon)	06:03	06:25	88	12:30	73S	18:36	272	18:58
2025 Mar 25 (Tue)	06:02	06:24	88	12:30	74S	18:36	272	18:58
2025 Mar 26 (Wed)	06:01	06:23	87	12:30	74S	18:37	273	18:58
2025 Mar 27 (Thu)	06:01	06:23	87	12:29	75S	18:37	273	18:59
2025 Mar 28 (Fri)	06:00	06:22	87	12:29	75S	18:37	274	18:59
2025 Mar 29 (Sat)	05:59	06:21	86	12:29	75S	18:37	274	18:59
2025 Mar 30 (Sun)	05:58	06:20	86	12:29	76S	18:37	274	18:59
2025 Mar 31 (Mon)	05:57	06:19	85	12:28	76S	18:38	275	19:00
2025 Apr 01 (Tue)	05:56	06:18	85	12:28	77S	18:38	275	19:00
2025 Apr 02 (Wed)	05:56	06:18	85	12:28	77S	18:38	276	19:00
2025 Apr 03 (Thu)	05:55	06:17	84	12:27	77S	18:38	276	19:00
2025 Apr 04 (Fri)	05:54	06:16	84	12:27	78S	18:39	277	19:01
2025 Apr 05 (Sat)	05:53	06:15	83	12:27	78S	18:39	277	19:01
2025 Apr 06 (Sun)	05:52	06:14	83	12:27	78S	18:39	277	19:01
2025 Apr 07 (Mon)	05:51	06:13	82	12:26	79S	18:39	278	19:01
2025 Apr 08 (Tue)	05:51	06:13	82	12:26	79S	18:40	278	19:02
2025 Apr 09 (Wed)	05:50	06:12	82	12:26	80S	18:40	278	19:02
2025 Apr 10 (Thu)	05:49	06:11	81	12:25	80S	18:40	279	19:02
2025 Apr 11 (Fri)	05:48	06:10	81	12:25	80S	18:40	279	19:03
2025 Apr 12 (Sat)	05:47	06:10	81	12:25	81S	18:41	280	19:03
2025 Apr 13 (Sun)	05:47	06:09	80	12:25	81S	18:41	280	19:03
2025 Apr 14 (Mon)	05:46	06:08	80	12:24	81S	18:41	280	19:03
2025 Apr 15 (Tue)	05:45	06:07	79	12:24	82S	18:41	281	19:04
2025 Apr 16 (Wed)	05:44	06:06	79	12:24	82S	18:42	281	19:04
2025 Apr 17 (Thu)	05:43	06:06	79	12:24	82S	18:42	282	19:04
2025 Apr 18 (Fri)	05:43	06:05	78	12:23	83S	18:42	282	19:05
2025 Apr 19 (Sat)	05:42	06:04	78	12:23	83S	18:42	282	19:05
2025 Apr 20 (Sun)	05:41	06:04	78	12:23	84S	18:43	283	19:05
2025 Apr 21 (Mon)	05:40	06:03	77	12:23	84S	18:43	283	19:06
2025 Apr 22 (Tue)	05:40	06:02	77	12:23	84S	18:43	283	19:06
2025 Apr 23 (Wed)	05:39	06:02	76	12:22	85S	18:44	284	19:06
2025 Apr 24 (Thu)	05:38	06:01	76	12:22	85S	18:44	284	19:07
2025 Apr 25 (Fri)	05:38	06:00	76	12:22	85S	18:44	284	19:07
2025 Apr 26 (Sat)	05:37	06:00	75	12:22	86S	18:45	285	19:07
2025 Apr 27 (Sun)	05:36	05:59	75	12:22	86S	18:45	285	19:08
2025 Apr 28 (Mon)	05:36	05:58	75	12:22	86S	18:45	285	19:08
2025 Apr 29 (Tue)	05:35	05:58	74	12:21	86S	18:45	286	19:08
2025 Apr 30 (Wed)	05:34	05:57	74	12:21	87S	18:46	286	19:09
2025 May 01 (Thu)	05:34	05:57	74	12:21	87S	18:46	286	19:09
2025 May 02 (Fri)	05:33	05:56	73	12:21	87S	18:46	287	19:09
2025 May 03 (Sat)	05:33	05:55	73	12:21	88S	18:47	287	19:10
2025 May 04 (Sun)	05:32	05:55	73	12:21	88S	18:47	287	19:10
2025 May 05 (Mon)	05:31	05:54	73	12:21	88S	18:47	288	19:11
2025 May 06 (Tue)	05:31	05:54	72	12:21	89S	18:48	288	19:11
2025 May 07 (Wed)	05:30	05:53	72	12:21	89S	18:48	288	19:11
2025 May 08 (Thu)	05:30	05:53	72	12:21	89S	18:49	289	19:12
2025 May 09 (Fri)	05:29	05:52	71	12:21	89S	18:49	289	19:12
2025 May 10 (Sat)	05:29	05:52	71	12:21	90S	18:49	289	19:13
2025 May 11 (Sun)	05:28	05:52	71	12:21	90S	18:50	289	19:13
2025 May 12 (Mon)	05:28	05:51	71	12:20	90S	18:50	290	19:13
2025 May 13 (Tue)	05:27	05:51	70	12:20	90S	18:50	290	19:14
2025 May 14 (Wed)	05:27	05:50	70	12:20	91S	18:51	290	19:14
2025 May 15 (Thu)	05:27	05:50	70	12:20	91N	18:51	290	19:15
2025 May 16 (Fri)	05:26	05:50	69	12:20	90N	18:52	291	19:15
2025 May 17 (Sat)	05:26	05:49	69	12:21	90N	18:52	291	19:15
2025 May 18 (Sun)	05:25	05:49	69	12:21	90N	18:52	291	19:16
2025 May 19 (Mon)	05:25	05:49	69	12:21	90N	18:53	291	19:16
2025 May 20 (Tue)	05:25	05:48	69	12:21	89N	18:53	292	19:17
2025 May 21 (Wed)	05:25	05:48	68	12:21	89N	18:53	292	19:17
2025 May 22 (Thu)	05:24	05:48	68	12:21	89N	18:54	292	19:18
2025 May 23 (Fri)	05:24	05:48	68	12:21	89N	18:54	292	19:18
2025 May 24 (Sat)	05:24	05:48	68	12:21	89N	18:55	292	19:18
2025 May 25 (Sun)	05:23	05:47	68	12:21	89N	18:55	293	19:19
2025 May 26 (Mon)	05:23	05:47	67	12:21	88N	18:55	293	19:19

2025	May	27	(Tue)	05:23	05:47	67	12:21	88N	18:56	293	19:20
2025	May	28	(Wed)	05:23	05:47	67	12:21	88N	18:56	293	19:20
2025	May	29	(Thu)	05:23	05:47	67	12:22	88N	18:57	293	19:21
2025	May	30	(Fri)	05:23	05:47	67	12:22	88N	18:57	293	19:21
2025	May	31	(Sat)	05:22	05:47	66	12:22	88N	18:57	294	19:21
2025	Jun	01	(Sun)	05:22	05:46	66	12:22	87N	18:58	294	19:22
2025	Jun	02	(Mon)	05:22	05:46	66	12:22	87N	18:58	294	19:22
2025	Jun	03	(Tue)	05:22	05:46	66	12:22	87N	18:58	294	19:23
2025	Jun	04	(Wed)	05:22	05:46	66	12:22	87N	18:59	294	19:23
2025	Jun	05	(Thu)	05:22	05:46	66	12:23	87N	18:59	294	19:23
2025	Jun	06	(Fri)	05:22	05:46	66	12:23	87N	18:59	294	19:24
2025	Jun	07	(Sat)	05:22	05:46	66	12:23	87N	19:00	294	19:24
2025	Jun	08	(Sun)	05:22	05:46	65	12:23	87N	19:00	295	19:24
2025	Jun	09	(Mon)	05:22	05:46	65	12:23	87N	19:00	295	19:25
2025	Jun	10	(Tue)	05:22	05:46	65	12:24	86N	19:01	295	19:25
2025	Jun	11	(Wed)	05:22	05:47	65	12:24	86N	19:01	295	19:25
2025	Jun	12	(Thu)	05:22	05:47	65	12:24	86N	19:01	295	19:26
2025	Jun	13	(Fri)	05:22	05:47	65	12:24	86N	19:02	295	19:26
2025	Jun	14	(Sat)	05:23	05:47	65	12:24	86N	19:02	295	19:26
2025	Jun	15	(Sun)	05:23	05:47	65	12:25	86N	19:02	295	19:27
2025	Jun	16	(Mon)	05:23	05:47	65	12:25	86N	19:03	295	19:27
2025	Jun	17	(Tue)	05:23	05:47	65	12:25	86N	19:03	295	19:27
2025	Jun	18	(Wed)	05:23	05:47	65	12:25	86N	19:03	295	19:27
2025	Jun	19	(Thu)	05:23	05:48	65	12:26	86N	19:03	295	19:28
2025	Jun	20	(Fri)	05:24	05:48	65	12:26	86N	19:04	295	19:28
2025	Jun	21	(Sat)	05:24	05:48	65	12:26	86N	19:04	295	19:28
2025	Jun	22	(Sun)	05:24	05:48	65	12:26	86N	19:04	295	19:28
2025	Jun	23	(Mon)	05:24	05:49	65	12:26	86N	19:04	295	19:29
2025	Jun	24	(Tue)	05:24	05:49	65	12:27	86N	19:04	295	19:29
2025	Jun	25	(Wed)	05:25	05:49	65	12:27	86N	19:05	295	19:29
2025	Jun	26	(Thu)	05:25	05:49	65	12:27	86N	19:05	295	19:29
2025	Jun	27	(Fri)	05:25	05:50	65	12:27	86N	19:05	295	19:29
2025	Jun	28	(Sat)	05:26	05:50	65	12:27	86N	19:05	295	19:29
2025	Jun	29	(Sun)	05:26	05:50	65	12:28	86N	19:05	295	19:29
2025	Jun	30	(Mon)	05:26	05:50	65	12:28	86N	19:05	295	19:29
2025	Jul	01	(Tue)	05:26	05:51	65	12:28	86N	19:05	295	19:30
2025	Jul	02	(Wed)	05:27	05:51	65	12:28	86N	19:05	295	19:30
2025	Jul	03	(Thu)	05:27	05:51	65	12:28	87N	19:05	295	19:30
2025	Jul	04	(Fri)	05:27	05:52	65	12:29	87N	19:05	295	19:30
2025	Jul	05	(Sat)	05:28	05:52	66	12:29	87N	19:05	294	19:30
2025	Jul	06	(Sun)	05:28	05:52	66	12:29	87N	19:05	294	19:30
2025	Jul	07	(Mon)	05:29	05:53	66	12:29	87N	19:05	294	19:30
2025	Jul	08	(Tue)	05:29	05:53	66	12:29	87N	19:05	294	19:30
2025	Jul	09	(Wed)	05:29	05:53	66	12:29	87N	19:05	294	19:29
2025	Jul	10	(Thu)	05:30	05:54	66	12:30	87N	19:05	294	19:29
2025	Jul	11	(Fri)	05:30	05:54	66	12:30	87N	19:05	294	19:29
2025	Jul	12	(Sat)	05:30	05:54	66	12:30	88N	19:05	294	19:29
2025	Jul	13	(Sun)	05:31	05:55	67	12:30	88N	19:05	293	19:29
2025	Jul	14	(Mon)	05:31	05:55	67	12:30	88N	19:05	293	19:29
2025	Jul	15	(Tue)	05:32	05:55	67	12:30	88N	19:05	293	19:29
2025	Jul	16	(Wed)	05:32	05:56	67	12:30	88N	19:05	293	19:28
2025	Jul	17	(Thu)	05:32	05:56	67	12:30	88N	19:04	293	19:28
2025	Jul	18	(Fri)	05:33	05:57	67	12:30	89N	19:04	292	19:28
2025	Jul	19	(Sat)	05:33	05:57	68	12:30	89N	19:04	292	19:28
2025	Jul	20	(Sun)	05:33	05:57	68	12:31	89N	19:04	292	19:27
2025	Jul	21	(Mon)	05:34	05:58	68	12:31	89N	19:03	292	19:27
2025	Jul	22	(Tue)	05:34	05:58	68	12:31	89N	19:03	292	19:27
2025	Jul	23	(Wed)	05:35	05:58	68	12:31	89N	19:03	291	19:26
2025	Jul	24	(Thu)	05:35	05:59	69	12:31	90N	19:03	291	19:26
2025	Jul	25	(Fri)	05:35	05:59	69	12:31	90N	19:02	291	19:26
2025	Jul	26	(Sat)	05:36	05:59	69	12:31	90N	19:02	291	19:25
2025	Jul	27	(Sun)	05:36	06:00	69	12:31	90N	19:01	291	19:25
2025	Jul	28	(Mon)	05:37	06:00	70	12:31	91N	19:01	290	19:25
2025	Jul	29	(Tue)	05:37	06:00	70	12:31	91S	19:01	290	19:24
2025	Jul	30	(Wed)	05:37	06:01	70	12:31	90S	19:00	290	19:24
2025	Jul	31	(Thu)	05:38	06:01	70	12:31	90S	19:00	289	19:23
2025	Aug	01	(Fri)	05:38	06:01	71	12:31	90S	18:59	289	19:23

2025	Aug	02	(Sat)	05:38	06:02	71	12:30	90S	18:59	289	19:22
2025	Aug	03	(Sun)	05:39	06:02	71	12:30	89S	18:58	289	19:22
2025	Aug	04	(Mon)	05:39	06:02	71	12:30	89S	18:58	288	19:21
2025	Aug	05	(Tue)	05:40	06:03	72	12:30	89S	18:57	288	19:21
2025	Aug	06	(Wed)	05:40	06:03	72	12:30	89S	18:57	288	19:20
2025	Aug	07	(Thu)	05:40	06:03	72	12:30	88S	18:56	288	19:19
2025	Aug	08	(Fri)	05:41	06:04	73	12:30	88S	18:56	287	19:19
2025	Aug	09	(Sat)	05:41	06:04	73	12:30	88S	18:55	287	19:18
2025	Aug	10	(Sun)	05:41	06:04	73	12:30	87S	18:55	287	19:18
2025	Aug	11	(Mon)	05:42	06:04	74	12:29	87S	18:54	286	19:17
2025	Aug	12	(Tue)	05:42	06:05	74	12:29	87S	18:53	286	19:16
2025	Aug	13	(Wed)	05:42	06:05	74	12:29	86S	18:53	286	19:16
2025	Aug	14	(Thu)	05:43	06:05	75	12:29	86S	18:52	285	19:15
2025	Aug	15	(Fri)	05:43	06:06	75	12:29	86S	18:52	285	19:14
2025	Aug	16	(Sat)	05:43	06:06	75	12:28	86S	18:51	285	19:14
2025	Aug	17	(Sun)	05:43	06:06	76	12:28	85S	18:50	284	19:13
2025	Aug	18	(Mon)	05:44	06:06	76	12:28	85S	18:49	284	19:12
2025	Aug	19	(Tue)	05:44	06:07	76	12:28	85S	18:49	284	19:11
2025	Aug	20	(Wed)	05:44	06:07	77	12:28	84S	18:48	283	19:11
2025	Aug	21	(Thu)	05:45	06:07	77	12:27	84S	18:47	283	19:10
2025	Aug	22	(Fri)	05:45	06:07	77	12:27	84S	18:47	283	19:09
2025	Aug	23	(Sat)	05:45	06:07	78	12:27	83S	18:46	282	19:08
2025	Aug	24	(Sun)	05:45	06:08	78	12:27	83S	18:45	282	19:07
2025	Aug	25	(Mon)	05:46	06:08	78	12:26	83S	18:44	281	19:07
2025	Aug	26	(Tue)	05:46	06:08	79	12:26	82S	18:44	281	19:06
2025	Aug	27	(Wed)	05:46	06:08	79	12:26	82S	18:43	281	19:05
2025	Aug	28	(Thu)	05:46	06:09	79	12:25	82S	18:42	280	19:04
2025	Aug	29	(Fri)	05:47	06:09	80	12:25	81S	18:41	280	19:03
2025	Aug	30	(Sat)	05:47	06:09	80	12:25	81S	18:40	280	19:03
2025	Aug	31	(Sun)	05:47	06:09	81	12:24	80S	18:40	279	19:02
2025	Sep	01	(Mon)	05:47	06:09	81	12:24	80S	18:39	279	19:01
2025	Sep	02	(Tue)	05:47	06:10	81	12:24	80S	18:38	278	19:00
2025	Sep	03	(Wed)	05:48	06:10	82	12:24	79S	18:37	278	18:59
2025	Sep	04	(Thu)	05:48	06:10	82	12:23	79S	18:36	278	18:58
2025	Sep	05	(Fri)	05:48	06:10	83	12:23	79S	18:35	277	18:57
2025	Sep	06	(Sat)	05:48	06:10	83	12:23	78S	18:34	277	18:57
2025	Sep	07	(Sun)	05:48	06:10	83	12:22	78S	18:34	276	18:56
2025	Sep	08	(Mon)	05:49	06:11	84	12:22	77S	18:33	276	18:55
2025	Sep	09	(Tue)	05:49	06:11	84	12:21	77S	18:32	276	18:54
2025	Sep	10	(Wed)	05:49	06:11	85	12:21	77S	18:31	275	18:53
2025	Sep	11	(Thu)	05:49	06:11	85	12:21	76S	18:30	275	18:52
2025	Sep	12	(Fri)	05:49	06:11	85	12:20	76S	18:29	274	18:51
2025	Sep	13	(Sat)	05:50	06:11	86	12:20	76S	18:28	274	18:50
2025	Sep	14	(Sun)	05:50	06:12	86	12:20	75S	18:28	274	18:49
2025	Sep	15	(Mon)	05:50	06:12	87	12:19	75S	18:27	273	18:49
2025	Sep	16	(Tue)	05:50	06:12	87	12:19	74S	18:26	273	18:48
2025	Sep	17	(Wed)	05:50	06:12	87	12:19	74S	18:25	272	18:47
2025	Sep	18	(Thu)	05:50	06:12	88	12:18	74S	18:24	272	18:46
2025	Sep	19	(Fri)	05:51	06:13	88	12:18	73S	18:23	272	18:45
2025	Sep	20	(Sat)	05:51	06:13	89	12:18	73S	18:22	271	18:44
2025	Sep	21	(Sun)	05:51	06:13	89	12:17	73S	18:21	271	18:43
2025	Sep	22	(Mon)	05:51	06:13	89	12:17	72S	18:20	270	18:42
2025	Sep	23	(Tue)	05:51	06:13	90	12:17	72S	18:20	270	18:41
2025	Sep	24	(Wed)	05:52	06:13	90	12:16	71S	18:19	270	18:41
2025	Sep	25	(Thu)	05:52	06:14	91	12:16	71S	18:18	269	18:40
2025	Sep	26	(Fri)	05:52	06:14	91	12:15	71S	18:17	269	18:39
2025	Sep	27	(Sat)	05:52	06:14	91	12:15	70S	18:16	268	18:38
2025	Sep	28	(Sun)	05:52	06:14	92	12:15	70S	18:15	268	18:37
2025	Sep	29	(Mon)	05:53	06:14	92	12:14	69S	18:14	268	18:36
2025	Sep	30	(Tue)	05:53	06:15	93	12:14	69S	18:13	267	18:35
2025	Oct	01	(Wed)	05:53	06:15	93	12:14	69S	18:13	267	18:34
2025	Oct	02	(Thu)	05:53	06:15	93	12:14	68S	18:12	266	18:34
2025	Oct	03	(Fri)	05:53	06:15	94	12:13	68S	18:11	266	18:33
2025	Oct	04	(Sat)	05:53	06:15	94	12:13	67S	18:10	265	18:32
2025	Oct	05	(Sun)	05:54	06:16	95	12:13	67S	18:09	265	18:31
2025	Oct	06	(Mon)	05:54	06:16	95	12:12	67S	18:08	265	18:30
2025	Oct	07	(Tue)	05:54	06:16	96	12:12	66S	18:08	264	18:30

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

2025	Dec 14	(Sun)	06:25	06:48	114	12:19	49S	17:49	246	18:13
2025	Dec 15	(Mon)	06:25	06:49	114	12:19	49S	17:50	246	18:13
2025	Dec 16	(Tue)	06:26	06:49	114	12:20	49S	17:50	246	18:14
2025	Dec 17	(Wed)	06:26	06:50	114	12:20	49S	17:50	246	18:14
2025	Dec 18	(Thu)	06:27	06:51	114	12:21	49S	17:51	246	18:15
2025	Dec 19	(Fri)	06:27	06:51	115	12:21	48S	17:51	245	18:15
2025	Dec 20	(Sat)	06:28	06:52	115	12:22	48S	17:52	245	18:16
2025	Dec 21	(Sun)	06:28	06:52	115	12:22	48S	17:52	245	18:16
2025	Dec 22	(Mon)	06:29	06:53	115	12:23	48S	17:53	245	18:17
2025	Dec 23	(Tue)	06:29	06:53	115	12:23	48S	17:53	245	18:17
2025	Dec 24	(Wed)	06:30	06:54	115	12:24	48S	17:54	245	18:18
2025	Dec 25	(Thu)	06:30	06:54	114	12:24	49S	17:54	246	18:18
2025	Dec 26	(Fri)	06:31	06:55	114	12:25	49S	17:55	246	18:19
2025	Dec 27	(Sat)	06:31	06:55	114	12:25	49S	17:55	246	18:19
2025	Dec 28	(Sun)	06:32	06:55	114	12:26	49S	17:56	246	18:20
2025	Dec 29	(Mon)	06:32	06:56	114	12:26	49S	17:57	246	18:20
2025	Dec 30	(Tue)	06:32	06:56	114	12:27	49S	17:57	246	18:21
2025	Dec 31	(Wed)	06:33	06:57	114	12:27	49S	17:58	246	18:21

Moon

VTNC

Location: E 98°58'00.0", N18°48'00.0", 1035m
(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)	08:08	117	13:42	46S	19:19	244
2025 Jan 02 (Thu)	08:57	113	14:37	50S	20:20	249
2025 Jan 03 (Fri)	09:41	108	15:28	56S	21:20	255
2025 Jan 04 (Sat)	10:21	102	16:17	62S	22:18	262
2025 Jan 05 (Sun)	11:00	95	17:05	69S	23:15	269
2025 Jan 06 (Mon)	11:37	87	17:52	76S		
2025 Jan 07 (Tue)	12:15	80	18:40	83S	00:12	276
2025 Jan 08 (Wed)	12:56	73	19:31	89S	01:10	283
2025 Jan 09 (Thu)	13:41	68	20:25	87N	02:11	290
2025 Jan 10 (Fri)	14:31	63	21:23	83N	03:14	295
2025 Jan 11 (Sat)	15:27	60	22:24	81N	04:19	299
2025 Jan 12 (Sun)	16:27	60	23:26	81N	05:23	300
2025 Jan 13 (Mon)	17:30	61			06:24	300
2025 Jan 14 (Tue)	18:31	65	00:25	83N	07:18	297
2025 Jan 15 (Wed)	19:30	69	01:20	86N	08:05	293
2025 Jan 16 (Thu)	20:25	75	02:10	90S	08:47	288
2025 Jan 17 (Fri)	21:16	81	02:56	85S	09:23	282
2025 Jan 18 (Sat)	22:05	87	03:39	79S	09:57	276
2025 Jan 19 (Sun)	22:53	93	04:19	73S	10:28	270
2025 Jan 20 (Mon)	23:40	99	04:58	67S	10:59	264
2025 Jan 21 (Tue)			05:38	61S	11:31	258
2025 Jan 22 (Wed)	00:29	105	06:19	56S	12:05	252
2025 Jan 23 (Thu)	01:19	110	07:02	51S	12:42	248
2025 Jan 24 (Fri)	02:12	115	07:49	47S	13:23	244
2025 Jan 25 (Sat)	03:08	118	08:40	44S	14:11	241
2025 Jan 26 (Sun)	04:05	120	09:34	43S	15:04	240
2025 Jan 27 (Mon)	05:02	120	10:32	43S	16:02	240
2025 Jan 28 (Tue)	05:57	119	11:29	45S	17:04	243
2025 Jan 29 (Wed)	06:48	115	12:26	48S	18:07	247
2025 Jan 30 (Thu)	07:35	110	13:20	54S	19:08	253
2025 Jan 31 (Fri)	08:18	104	14:11	60S	20:09	259
2025 Feb 01 (Sat)	08:58	97	15:00	67S	21:08	267
2025 Feb 02 (Sun)	09:37	89	15:49	74S	22:06	274
2025 Feb 03 (Mon)	10:15	82	16:37	81S	23:05	282
2025 Feb 04 (Tue)	10:55	75	17:28	88S		
2025 Feb 05 (Wed)	11:39	69	18:21	88N	00:05	288
2025 Feb 06 (Thu)	12:27	64	19:17	84N	01:08	294

2025 Feb 07 (Fri)	13:20	61	20:16	81N	02:11	298
2025 Feb 08 (Sat)	14:18	60	21:17	81N	03:15	300
2025 Feb 09 (Sun)	15:18	60	22:15	82N	04:15	300
2025 Feb 10 (Mon)	16:19	63	23:11	85N	05:10	298
2025 Feb 11 (Tue)	17:18	67			05:59	295
2025 Feb 12 (Wed)	18:14	72	00:02	89N	06:42	290
2025 Feb 13 (Thu)	19:07	78	00:50	87S	07:20	285
2025 Feb 14 (Fri)	19:57	84	01:33	81S	07:55	279
2025 Feb 15 (Sat)	20:45	91	02:14	75S	08:27	272
2025 Feb 16 (Sun)	21:33	97	02:54	69S	08:58	266
2025 Feb 17 (Mon)	22:21	103	03:33	64S	09:30	260
2025 Feb 18 (Tue)	23:11	108	04:14	58S	10:03	254
2025 Feb 19 (Wed)			04:56	53S	10:38	249
2025 Feb 20 (Thu)	00:02	113	05:41	49S	11:17	245
2025 Feb 21 (Fri)	00:56	117	06:29	45S	12:01	242
2025 Feb 22 (Sat)	01:51	119	07:21	43S	12:51	240
2025 Feb 23 (Sun)	02:48	120	08:17	43S	13:46	240
2025 Feb 24 (Mon)	03:43	120	09:13	44S	14:45	241
2025 Feb 25 (Tue)	04:36	117	10:10	46S	15:47	245
2025 Feb 26 (Wed)	05:24	113	11:05	51S	16:50	250
2025 Feb 27 (Thu)	06:09	107	11:58	57S	17:52	256
2025 Feb 28 (Fri)	06:51	100	12:49	63S	18:52	263
2025 Mar 01 (Sat)	07:31	93	13:39	71S	19:53	271
2025 Mar 02 (Sun)	08:11	85	14:30	78S	20:54	279
2025 Mar 03 (Mon)	08:52	78	15:21	85S	21:56	286
2025 Mar 04 (Tue)	09:35	71	16:15	90N	22:59	292
2025 Mar 05 (Wed)	10:23	65	17:12	85N		
2025 Mar 06 (Thu)	11:15	62	18:11	82N	00:04	297
2025 Mar 07 (Fri)	12:12	60	19:11	81N	01:09	300
2025 Mar 08 (Sat)	13:12	60	20:10	81N	02:10	300
2025 Mar 09 (Sun)	14:13	62	21:06	84N	03:07	299
2025 Mar 10 (Mon)	15:12	66	21:58	87N	03:57	296
2025 Mar 11 (Tue)	16:08	70	22:46	89S	04:41	292
2025 Mar 12 (Wed)	17:01	76	23:30	84S	05:20	287
2025 Mar 13 (Thu)	17:51	82			05:55	281
2025 Mar 14 (Fri)	18:40	88	00:12	78S	06:27	275
2025 Mar 15 (Sat)	19:27	95	00:51	72S	06:59	268
2025 Mar 16 (Sun)	20:15	101	01:31	66S	07:30	262
2025 Mar 17 (Mon)	21:04	106	02:11	60S	08:02	256
2025 Mar 18 (Tue)	21:55	111	02:52	55S	08:37	251
2025 Mar 19 (Wed)	22:47	116	03:36	50S	09:14	247
2025 Mar 20 (Thu)	23:42	119	04:23	46S	09:56	243
2025 Mar 21 (Fri)			05:13	44S	10:42	240
2025 Mar 22 (Sat)	00:37	120	06:06	43S	11:34	239
2025 Mar 23 (Sun)	01:32	120	07:00	43S	12:30	240
2025 Mar 24 (Mon)	02:24	119	07:56	45S	13:30	243
2025 Mar 25 (Tue)	03:13	115	08:50	48S	14:31	247
2025 Mar 26 (Wed)	03:59	110	09:43	53S	15:32	253
2025 Mar 27 (Thu)	04:41	104	10:35	60S	16:32	259
2025 Mar 28 (Fri)	05:22	97	11:25	67S	17:33	267
2025 Mar 29 (Sat)	06:02	89	12:15	74S	18:34	275
2025 Mar 30 (Sun)	06:43	81	13:07	82S	19:37	283
2025 Mar 31 (Mon)	07:26	74	14:02	89S	20:42	290
2025 Apr 01 (Tue)	08:14	68	14:59	87N	21:49	295
2025 Apr 02 (Wed)	09:06	63	16:00	83N	22:57	299
2025 Apr 03 (Thu)	10:04	60	17:02	81N		
2025 Apr 04 (Fri)	11:05	60	18:04	81N	00:02	300
2025 Apr 05 (Sat)	12:06	61	19:02	83N	01:02	300
2025 Apr 06 (Sun)	13:07	64	19:56	86N	01:55	297
2025 Apr 07 (Mon)	14:04	69	20:44	91S	02:41	293
2025 Apr 08 (Tue)	14:57	74	21:29	85S	03:21	288
2025 Apr 09 (Wed)	15:48	80	22:11	80S	03:57	283
2025 Apr 10 (Thu)	16:36	86	22:51	74S	04:30	277
2025 Apr 11 (Fri)	17:24	93	23:30	68S	05:01	271
2025 Apr 12 (Sat)	18:12	99			05:32	264
2025 Apr 13 (Sun)	19:00	105	00:09	62S	06:04	258
2025 Apr 14 (Mon)	19:50	110	00:50	56S	06:37	253

2025 Apr 15 (Tue)	20:42 114	01:33 52S	07:14 248
2025 Apr 16 (Wed)	21:36 118	02:19 48S	07:54 244
2025 Apr 17 (Thu)	22:30 120	03:08 45S	08:38 241
2025 Apr 18 (Fri)	23:24 120	03:59 43S	09:28 240
2025 Apr 19 (Sat)		04:53 43S	10:22 240
2025 Apr 20 (Sun)	00:17 119	05:47 44S	11:19 242
2025 Apr 21 (Mon)	01:06 117	06:40 47S	12:18 245
2025 Apr 22 (Tue)	01:51 112	07:32 51S	13:17 250
2025 Apr 23 (Wed)	02:34 107	08:22 57S	14:15 256
2025 Apr 24 (Thu)	03:14 100	09:12 63S	15:14 263
2025 Apr 25 (Fri)	03:53 93	10:01 71S	16:13 271
2025 Apr 26 (Sat)	04:33 85	10:51 78S	17:15 279
2025 Apr 27 (Sun)	05:15 78	11:44 85S	18:19 286
2025 Apr 28 (Mon)	06:00 71	12:41 90N	19:26 292
2025 Apr 29 (Tue)	06:51 65	13:42 85N	20:36 297
2025 Apr 30 (Wed)	07:48 61	14:45 82N	21:45 300
2025 May 01 (Thu)	08:50 60	15:50 81N	22:49 300
2025 May 02 (Fri)	09:54 60	16:52 82N	23:47 298
2025 May 03 (Sat)	10:57 63	17:49 85N	
2025 May 04 (Sun)	11:57 67	18:41 89N	00:37 295
2025 May 05 (Mon)	12:52 72	19:27 87S	01:20 290
2025 May 06 (Tue)	13:44 78	20:10 81S	01:58 285
2025 May 07 (Wed)	14:34 84	20:51 75S	02:32 279
2025 May 08 (Thu)	15:21 91	21:30 70S	03:03 272
2025 May 09 (Fri)	16:09 97	22:09 64S	03:34 266
2025 May 10 (Sat)	16:57 103	22:49 58S	04:06 260
2025 May 11 (Sun)	17:46 108	23:31 53S	04:38 255
2025 May 12 (Mon)	18:37 113		05:14 250
2025 May 13 (Tue)	19:31 117	00:16 49S	05:53 245
2025 May 14 (Wed)	20:25 119	01:05 46S	06:36 242
2025 May 15 (Thu)	21:20 120	01:56 43S	07:25 240
2025 May 16 (Fri)	22:13 120	02:49 43S	08:17 240
2025 May 17 (Sat)	23:02 118	03:42 44S	09:13 241
2025 May 18 (Sun)	23:48 114	04:36 46S	10:11 244
2025 May 19 (Mon)		05:27 50S	11:09 248
2025 May 20 (Tue)	00:31 109	06:16 55S	12:06 254
2025 May 21 (Wed)	01:10 103	07:04 61S	13:02 260
2025 May 22 (Thu)	01:48 96	07:51 68S	13:59 268
2025 May 23 (Fri)	02:26 89	08:39 75S	14:58 275
2025 May 24 (Sat)	03:05 81	09:29 82S	15:58 282
2025 May 25 (Sun)	03:48 74	10:23 89S	17:03 289
2025 May 26 (Mon)	04:36 68	11:21 87N	18:11 295
2025 May 27 (Tue)	05:30 63	12:24 83N	19:21 299
2025 May 28 (Wed)	06:30 60	13:29 81N	20:29 300
2025 May 29 (Thu)	07:35 60	14:34 81N	21:32 299
2025 May 30 (Fri)	08:41 62	15:35 84N	22:27 296
2025 May 31 (Sat)	09:44 66	16:31 88N	23:14 292
2025 Jun 01 (Sun)	10:43 71	17:21 89S	23:55 287
2025 Jun 02 (Mon)	11:37 76	18:07 83S	
2025 Jun 03 (Tue)	12:29 82	18:48 77S	00:31 281
2025 Jun 04 (Wed)	13:17 89	19:28 71S	01:04 274
2025 Jun 05 (Thu)	14:05 95	20:08 65S	01:36 268
2025 Jun 06 (Fri)	14:52 101	20:48 60S	02:07 262
2025 Jun 07 (Sat)	15:41 106	21:29 55S	02:39 256
2025 Jun 08 (Sun)	16:32 111	22:13 50S	03:14 251
2025 Jun 09 (Mon)	17:25 116	23:00 47S	03:51 247
2025 Jun 10 (Tue)	18:19 118	23:51 44S	04:34 243
2025 Jun 11 (Wed)	19:15 120		05:21 241
2025 Jun 12 (Thu)	20:09 120	00:44 43S	06:13 240
2025 Jun 13 (Fri)	21:00 118	01:38 43S	07:08 241
2025 Jun 14 (Sat)	21:47 115	02:32 45S	08:06 243
2025 Jun 15 (Sun)	22:30 110	03:24 49S	09:04 247
2025 Jun 16 (Mon)	23:10 105	04:14 53S	10:01 252
2025 Jun 17 (Tue)	23:48 98	05:02 59S	10:57 258
2025 Jun 18 (Wed)		05:48 65S	11:53 265
2025 Jun 19 (Thu)	00:24 91	06:34 72S	12:49 273
2025 Jun 20 (Fri)	01:02 84	07:22 79S	13:46 280

2025 Jun 21 (Sat)	01:42 77	08:12 86S	14:47 287
2025 Jun 22 (Sun)	02:26 70	09:06 89N	15:52 293
2025 Jun 23 (Mon)	03:15 65	10:05 85N	16:59 297
2025 Jun 24 (Tue)	04:12 61	11:09 82N	18:08 300
2025 Jun 25 (Wed)	05:14 60	12:14 81N	19:13 300
2025 Jun 26 (Thu)	06:20 61	13:18 82N	20:12 298
2025 Jun 27 (Fri)	07:25 64	14:17 86N	21:04 294
2025 Jun 28 (Sat)	08:28 68	15:10 90N	21:48 289
2025 Jun 29 (Sun)	09:26 74	15:59 86S	22:27 283
2025 Jun 30 (Mon)	10:19 80	16:43 80S	23:02 277
2025 Jul 01 (Tue)	11:10 86	17:24 74S	23:35 270
2025 Jul 02 (Wed)	11:59 93	18:04 68S	
2025 Jul 03 (Thu)	12:47 99	18:44 62S	00:06 264
2025 Jul 04 (Fri)	13:35 105	19:25 56S	00:38 258
2025 Jul 05 (Sat)	14:25 110	20:09 52S	01:12 253
2025 Jul 06 (Sun)	15:17 114	20:55 48S	01:49 248
2025 Jul 07 (Mon)	16:11 118	21:44 45S	02:29 244
2025 Jul 08 (Tue)	17:07 120	22:36 43S	03:15 241
2025 Jul 09 (Wed)	18:02 120	23:31 43S	04:05 240
2025 Jul 10 (Thu)	18:54 119		05:00 240
2025 Jul 11 (Fri)	19:44 116	00:25 44S	05:58 242
2025 Jul 12 (Sat)	20:29 112	01:19 47S	06:57 246
2025 Jul 13 (Sun)	21:10 106	02:10 52S	07:56 251
2025 Jul 14 (Mon)	21:49 100	02:59 57S	08:53 257
2025 Jul 15 (Tue)	22:26 93	03:46 64S	09:49 263
2025 Jul 16 (Wed)	23:02 86	04:33 70S	10:44 271
2025 Jul 17 (Thu)	23:41 79	05:19 77S	11:41 278
2025 Jul 18 (Fri)		06:07 84S	12:39 285
2025 Jul 19 (Sat)	00:22 72	06:59 90S	13:41 291
2025 Jul 20 (Sun)	01:08 67	07:55 86N	14:46 296
2025 Jul 21 (Mon)	02:00 62	08:55 83N	15:52 299
2025 Jul 22 (Tue)	02:59 60	09:58 81N	16:58 300
2025 Jul 23 (Wed)	04:02 60	11:01 81N	17:59 299
2025 Jul 24 (Thu)	05:08 62	12:02 84N	18:53 296
2025 Jul 25 (Fri)	06:11 66	12:58 88N	19:40 291
2025 Jul 26 (Sat)	07:11 71	13:49 88S	20:22 286
2025 Jul 27 (Sun)	08:07 77	14:35 82S	20:58 279
2025 Jul 28 (Mon)	09:00 84	15:18 76S	21:32 273
2025 Jul 29 (Tue)	09:50 90	15:59 70S	22:05 267
2025 Jul 30 (Wed)	10:39 97	16:40 64S	22:37 260
2025 Jul 31 (Thu)	11:28 103	17:21 58S	23:10 255
2025 Aug 01 (Fri)	12:17 108	18:03 53S	23:45 250
2025 Aug 02 (Sat)	13:08 113	18:48 49S	
2025 Aug 03 (Sun)	14:02 117	19:36 46S	00:24 245
2025 Aug 04 (Mon)	14:56 119	20:27 43S	01:07 242
2025 Aug 05 (Tue)	15:51 120	21:20 43S	01:56 240
2025 Aug 06 (Wed)	16:45 120	22:15 44S	02:49 240
2025 Aug 07 (Thu)	17:36 118	23:10 46S	03:46 241
2025 Aug 08 (Fri)	18:23 114		04:45 244
2025 Aug 09 (Sat)	19:07 108	00:03 50S	05:45 249
2025 Aug 10 (Sun)	19:47 102	00:53 55S	06:44 254
2025 Aug 11 (Mon)	20:25 95	01:42 61S	07:41 261
2025 Aug 12 (Tue)	21:03 88	02:29 68S	08:38 268
2025 Aug 13 (Wed)	21:41 81	03:17 75S	09:36 276
2025 Aug 14 (Thu)	22:21 74	04:05 82S	10:34 283
2025 Aug 15 (Fri)	23:06 68	04:56 89S	11:35 289
2025 Aug 16 (Sat)	23:56 63	05:50 87N	12:39 295
2025 Aug 17 (Sun)		06:48 83N	13:44 298
2025 Aug 18 (Mon)	00:51 61	07:49 81N	14:48 300
2025 Aug 19 (Tue)	01:52 60	08:51 81N	15:50 300
2025 Aug 20 (Wed)	02:55 61	09:52 83N	16:45 297
2025 Aug 21 (Thu)	03:58 64	10:48 86N	17:34 293
2025 Aug 22 (Fri)	04:59 69	11:40 90S	18:17 288
2025 Aug 23 (Sat)	05:56 75	12:28 85S	18:55 282
2025 Aug 24 (Sun)	06:50 81	13:12 79S	19:30 276
2025 Aug 25 (Mon)	07:41 88	13:54 72S	20:03 269
2025 Aug 26 (Tue)	08:30 94	14:35 66S	20:35 263

2025 Aug 27 (Wed)	09:19 100	15:16 60S	21:08 257
2025 Aug 28 (Thu)	10:09 106	15:57 55S	21:42 252
2025 Aug 29 (Fri)	11:00 111	16:41 50S	22:20 247
2025 Aug 30 (Sat)	11:52 115	17:28 47S	23:01 243
2025 Aug 31 (Sun)	12:46 118	18:17 44S	23:47 241
2025 Sep 01 (Mon)	13:40 120	19:09 43S	
2025 Sep 02 (Tue)	14:34 120	20:03 43S	00:37 240
2025 Sep 03 (Wed)	15:26 119	20:57 45S	01:32 240
2025 Sep 04 (Thu)	16:14 116	21:50 48S	02:30 242
2025 Sep 05 (Fri)	16:59 111	22:42 53S	03:30 246
2025 Sep 06 (Sat)	17:41 105	23:32 59S	04:29 252
2025 Sep 07 (Sun)	18:21 98		05:28 258
2025 Sep 08 (Mon)	18:59 91	00:21 65S	06:26 265
2025 Sep 09 (Tue)	19:38 84	01:09 72S	07:24 273
2025 Sep 10 (Wed)	20:19 76	01:58 80S	08:24 280
2025 Sep 11 (Thu)	21:03 70	02:50 87S	09:26 287
2025 Sep 12 (Fri)	21:52 65	03:44 89N	10:30 293
2025 Sep 13 (Sat)	22:47 61	04:42 84N	11:36 298
2025 Sep 14 (Sun)	23:46 60	05:43 82N	12:42 300
2025 Sep 15 (Mon)		06:45 81N	13:44 300
2025 Sep 16 (Tue)	00:48 60	07:46 82N	14:41 298
2025 Sep 17 (Wed)	01:51 63	08:43 85N	15:31 295
2025 Sep 18 (Thu)	02:51 67	09:36 89N	16:15 290
2025 Sep 19 (Fri)	03:49 73	10:24 87S	16:54 284
2025 Sep 20 (Sat)	04:43 79	11:08 81S	17:29 278
2025 Sep 21 (Sun)	05:34 85	11:50 75S	18:03 272
2025 Sep 22 (Mon)	06:24 92	12:31 69S	18:35 265
2025 Sep 23 (Tue)	07:13 98	13:12 63S	19:07 259
2025 Sep 24 (Wed)	08:02 104	13:53 57S	19:41 254
2025 Sep 25 (Thu)	08:52 109	14:36 52S	20:17 249
2025 Sep 26 (Fri)	09:44 114	15:22 48S	20:57 244
2025 Sep 27 (Sat)	10:37 117	16:10 45S	21:41 242
2025 Sep 28 (Sun)	11:31 120	17:00 43S	22:29 240
2025 Sep 29 (Mon)	12:24 120	17:53 43S	23:21 240
2025 Sep 30 (Tue)	13:16 120	18:46 44S	
2025 Oct 01 (Wed)	14:05 117	19:38 46S	00:17 241
2025 Oct 02 (Thu)	14:50 113	20:30 50S	01:14 244
2025 Oct 03 (Fri)	15:33 108	21:20 56S	02:12 249
2025 Oct 04 (Sat)	16:13 102	22:08 62S	03:10 255
2025 Oct 05 (Sun)	16:52 95	22:57 69S	04:08 261
2025 Oct 06 (Mon)	17:30 87	23:46 76S	05:07 269
2025 Oct 07 (Tue)	18:11 80		06:07 277
2025 Oct 08 (Wed)	18:55 73	00:37 83S	07:09 284
2025 Oct 09 (Thu)	19:43 67	01:32 90S	08:15 291
2025 Oct 10 (Fri)	20:38 62	02:31 86N	09:23 296
2025 Oct 11 (Sat)	21:38 60	03:33 82N	10:31 299
2025 Oct 12 (Sun)	22:41 60	04:37 81N	11:37 300
2025 Oct 13 (Mon)	23:45 62	05:40 81N	12:37 299
2025 Oct 14 (Tue)		06:39 84N	13:29 296
2025 Oct 15 (Wed)	00:46 66	07:33 88N	14:15 292
2025 Oct 16 (Thu)	01:44 71	08:22 89S	14:55 286
2025 Oct 17 (Fri)	02:39 77	09:07 83S	15:31 280
2025 Oct 18 (Sat)	03:30 83	09:49 77S	16:04 274
2025 Oct 19 (Sun)	04:19 89	10:30 71S	16:36 267
2025 Oct 20 (Mon)	05:08 96	11:10 65S	17:08 261
2025 Oct 21 (Tue)	05:57 102	11:51 59S	17:42 256
2025 Oct 22 (Wed)	06:47 107	12:33 54S	18:17 250
2025 Oct 23 (Thu)	07:38 112	13:18 49S	18:55 246
2025 Oct 24 (Fri)	08:30 116	14:05 46S	19:37 243
2025 Oct 25 (Sat)	09:24 119	14:54 44S	20:24 240
2025 Oct 26 (Sun)	10:17 120	15:46 43S	21:14 240
2025 Oct 27 (Mon)	11:09 120	16:38 43S	22:08 241
2025 Oct 28 (Tue)	11:58 118	17:30 45S	23:04 243
2025 Oct 29 (Wed)	12:44 115	18:20 49S	24:00 247
2025 Oct 30 (Thu)	13:26 110	19:09 53S	
2025 Oct 31 (Fri)	14:06 105	19:57 59S	00:56 252
2025 Nov 01 (Sat)	14:44 98	20:44 65S	01:52 258

2025 Nov 02 (Sun)	15:22 91	21:31 72S	02:49 265
2025 Nov 03 (Mon)	16:01 84	22:21 80S	03:46 273
2025 Nov 04 (Tue)	16:42 76	23:14 87S	04:47 280
2025 Nov 05 (Wed)	17:29 70		05:51 287
2025 Nov 06 (Thu)	18:22 64	00:12 89N	06:59 293
2025 Nov 07 (Fri)	19:21 61	01:14 84N	08:10 298
2025 Nov 08 (Sat)	20:26 60	02:20 81N	09:20 300
2025 Nov 09 (Sun)	21:32 61	03:26 81N	10:25 300
2025 Nov 10 (Mon)	22:37 65	04:29 83N	11:22 297
2025 Nov 11 (Tue)	23:38 69	05:27 87N	12:12 293
2025 Nov 12 (Wed)		06:19 90S	12:55 288
2025 Nov 13 (Thu)	00:34 75	07:06 85S	13:32 282
2025 Nov 14 (Fri)	01:27 81	07:49 79S	14:06 276
2025 Nov 15 (Sat)	02:17 88	08:30 73S	14:39 269
2025 Nov 16 (Sun)	03:05 94	09:10 66S	15:10 263
2025 Nov 17 (Mon)	03:54 100	09:50 61S	15:43 257
2025 Nov 18 (Tue)	04:43 106	10:32 55S	16:17 252
2025 Nov 19 (Wed)	05:33 111	11:15 51S	16:55 247
2025 Nov 20 (Thu)	06:25 115	12:02 47S	17:36 244
2025 Nov 21 (Fri)	07:19 118	12:51 44S	18:21 241
2025 Nov 22 (Sat)	08:12 120	13:42 43S	19:10 240
2025 Nov 23 (Sun)	09:05 120	14:34 43S	20:03 240
2025 Nov 24 (Mon)	09:54 119	15:25 45S	20:58 242
2025 Nov 25 (Tue)	10:41 116	16:16 48S	21:53 246
2025 Nov 26 (Wed)	11:23 112	17:04 52S	22:48 250
2025 Nov 27 (Thu)	12:03 107	17:51 57S	23:43 256
2025 Nov 28 (Fri)	12:40 101	18:36 63S	
2025 Nov 29 (Sat)	13:16 94	19:22 69S	00:37 262
2025 Nov 30 (Sun)	13:53 87	20:08 76S	01:32 269
2025 Dec 01 (Mon)	14:32 80	20:58 83S	02:28 277
2025 Dec 02 (Tue)	15:15 73	21:51 90S	03:29 284
2025 Dec 03 (Wed)	16:04 67	22:51 86N	04:33 290
2025 Dec 04 (Thu)	17:00 63	23:55 83N	05:42 296
2025 Dec 05 (Fri)	18:03 60		06:53 299
2025 Dec 06 (Sat)	19:10 60	01:03 81N	08:03 300
2025 Dec 07 (Sun)	20:19 63	02:09 82N	09:06 298
2025 Dec 08 (Mon)	21:24 67	03:12 85N	10:01 295
2025 Dec 09 (Tue)	22:24 73	04:09 89N	10:49 290
2025 Dec 10 (Wed)	23:20 79	04:59 87S	11:29 284
2025 Dec 11 (Thu)		05:45 81S	12:06 278
2025 Dec 12 (Fri)	00:12 86	06:28 74S	12:39 271
2025 Dec 13 (Sat)	01:02 92	07:09 68S	13:12 265
2025 Dec 14 (Sun)	01:50 98	07:49 62S	13:44 259
2025 Dec 15 (Mon)	02:39 104	08:30 57S	14:18 253
2025 Dec 16 (Tue)	03:29 109	09:13 52S	14:54 249
2025 Dec 17 (Wed)	04:20 114	09:58 48S	15:34 245
2025 Dec 18 (Thu)	05:13 117	10:47 45S	16:18 242
2025 Dec 19 (Fri)	06:07 119	11:37 43S	17:06 240
2025 Dec 20 (Sat)	07:00 120	12:29 43S	17:59 240
2025 Dec 21 (Sun)	07:51 119	13:22 44S	18:53 242
2025 Dec 22 (Mon)	08:39 117	14:13 47S	19:49 245
2025 Dec 23 (Tue)	09:23 113	15:02 50S	20:44 249
2025 Dec 24 (Wed)	10:03 108	15:49 55S	21:38 254
2025 Dec 25 (Thu)	10:40 103	16:34 61S	22:32 260
2025 Dec 26 (Fri)	11:16 96	17:18 67S	23:25 267
2025 Dec 27 (Sat)	11:51 89	18:03 74S	
2025 Dec 28 (Sun)	12:28 82	18:49 81S	00:19 274
2025 Dec 29 (Mon)	13:07 76	19:39 87S	01:16 281
2025 Dec 30 (Tue)	13:51 69	20:33 89N	02:16 288
2025 Dec 31 (Wed)	14:42 64	21:33 84N	03:20 293