

Sun

Trang

Location: E 99°36'53.9", N 7°31'26.4", 0m
(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)	05:45	06:34	113	12:25 60S	18:16 247		19:05
2025	Jan	02 (Thu)	05:46	06:35	113	12:26 60S	18:17 247		19:05
2025	Jan	03 (Fri)	05:46	06:35	113	12:26 60S	18:17 247		19:06
2025	Jan	04 (Sat)	05:47	06:35	113	12:26 60S	18:18 247		19:06
2025	Jan	05 (Sun)	05:47	06:36	113	12:27 61S	18:18 247		19:07
2025	Jan	06 (Mon)	05:48	06:36	113	12:27 61S	18:19 247		19:07
2025	Jan	07 (Tue)	05:48	06:37	112	12:28 61S	18:19 248		19:08
2025	Jan	08 (Wed)	05:48	06:37	112	12:28 61S	18:20 248		19:08
2025	Jan	09 (Thu)	05:49	06:37	112	12:29 61S	18:20 248		19:09
2025	Jan	10 (Fri)	05:49	06:38	112	12:29 61S	18:21 248		19:09
2025	Jan	11 (Sat)	05:50	06:38	112	12:29 61S	18:21 248		19:09
2025	Jan	12 (Sun)	05:50	06:38	112	12:30 62S	18:22 248		19:10
2025	Jan	13 (Mon)	05:50	06:38	112	12:30 62S	18:22 249		19:10
2025	Jan	14 (Tue)	05:51	06:39	111	12:31 62S	18:23 249		19:11
2025	Jan	15 (Wed)	05:51	06:39	111	12:31 62S	18:23 249		19:11
2025	Jan	16 (Thu)	05:51	06:39	111	12:31 62S	18:23 249		19:11
2025	Jan	17 (Fri)	05:51	06:39	111	12:32 62S	18:24 249		19:12
2025	Jan	18 (Sat)	05:52	06:40	111	12:32 63S	18:24 249		19:12
2025	Jan	19 (Sun)	05:52	06:40	110	12:32 63S	18:25 250		19:13
2025	Jan	20 (Mon)	05:52	06:40	110	12:33 63S	18:25 250		19:13
2025	Jan	21 (Tue)	05:52	06:40	110	12:33 63S	18:26 250		19:13
2025	Jan	22 (Wed)	05:53	06:40	110	12:33 64S	18:26 250		19:14
2025	Jan	23 (Thu)	05:53	06:40	110	12:33 64S	18:26 251		19:14
2025	Jan	24 (Fri)	05:53	06:41	109	12:34 64S	18:27 251		19:14
2025	Jan	25 (Sat)	05:53	06:41	109	12:34 64S	18:27 251		19:15
2025	Jan	26 (Sun)	05:53	06:41	109	12:34 65S	18:27 251		19:15
2025	Jan	27 (Mon)	05:53	06:41	109	12:34 65S	18:28 252		19:15
2025	Jan	28 (Tue)	05:54	06:41	108	12:34 65S	18:28 252		19:15
2025	Jan	29 (Wed)	05:54	06:41	108	12:35 65S	18:28 252		19:16
2025	Jan	30 (Thu)	05:54	06:41	108	12:35 66S	18:29 252		19:16
2025	Jan	31 (Fri)	05:54	06:41	107	12:35 66S	18:29 253		19:16
2025	Feb	01 (Sat)	05:54	06:41	107	12:35 66S	18:29 253		19:16
2025	Feb	02 (Sun)	05:54	06:41	107	12:35 66S	18:30 253		19:17
2025	Feb	03 (Mon)	05:54	06:41	107	12:35 67S	18:30 254		19:17
2025	Feb	04 (Tue)	05:54	06:41	106	12:35 67S	18:30 254		19:17
2025	Feb	05 (Wed)	05:54	06:41	106	12:36 67S	18:30 254		19:17
2025	Feb	06 (Thu)	05:54	06:41	106	12:36 68S	18:31 255		19:17
2025	Feb	07 (Fri)	05:54	06:40	105	12:36 68S	18:31 255		19:17
2025	Feb	08 (Sat)	05:54	06:40	105	12:36 68S	18:31 255		19:18
2025	Feb	09 (Sun)	05:54	06:40	105	12:36 69S	18:31 255		19:18
2025	Feb	10 (Mon)	05:54	06:40	104	12:36 69S	18:32 256		19:18
2025	Feb	11 (Tue)	05:54	06:40	104	12:36 69S	18:32 256		19:18
2025	Feb	12 (Wed)	05:53	06:40	104	12:36 70S	18:32 256		19:18
2025	Feb	13 (Thu)	05:53	06:39	103	12:36 70S	18:32 257		19:18
2025	Feb	14 (Fri)	05:53	06:39	103	12:36 70S	18:32 257		19:18
2025	Feb	15 (Sat)	05:53	06:39	103	12:36 71S	18:32 258		19:18
2025	Feb	16 (Sun)	05:53	06:39	102	12:36 71S	18:32 258		19:18
2025	Feb	17 (Mon)	05:53	06:39	102	12:35 71S	18:33 258		19:18
2025	Feb	18 (Tue)	05:52	06:38	102	12:35 72S	18:33 259		19:19
2025	Feb	19 (Wed)	05:52	06:38	101	12:35 72S	18:33 259		19:19
2025	Feb	20 (Thu)	05:52	06:38	101	12:35 72S	18:33 259		19:19
2025	Feb	21 (Fri)	05:52	06:37	101	12:35 73S	18:33 260		19:19
2025	Feb	22 (Sat)	05:51	06:37	100	12:35 73S	18:33 260		19:19
2025	Feb	23 (Sun)	05:51	06:37	100	12:35 73S	18:33 260		19:19
2025	Feb	24 (Mon)	05:51	06:36	99	12:35 74S	18:33 261		19:19
2025	Feb	25 (Tue)	05:51	06:36	99	12:35 74S	18:33 261		19:19
2025	Feb	26 (Wed)	05:50	06:36	99	12:34 75S	18:33 262		19:19
2025	Feb	27 (Thu)	05:50	06:35	98	12:34 75S	18:33 262		19:19
2025	Feb	28 (Fri)	05:50	06:35	98	12:34 75S	18:33 262		19:19
2025	Mar	01 (Sat)	05:49	06:35	98	12:34 76S	18:33 263		19:19

2025	Mar	02	(Sun)	05:49	06:34	97	12:34	76S	18:33	263	19:19
2025	Mar	03	(Mon)	05:48	06:34	97	12:33	76S	18:33	263	19:19
2025	Mar	04	(Tue)	05:48	06:33	96	12:33	77S	18:33	264	19:19
2025	Mar	05	(Wed)	05:48	06:33	96	12:33	77S	18:33	264	19:18
2025	Mar	06	(Thu)	05:47	06:32	96	12:33	78S	18:33	265	19:18
2025	Mar	07	(Fri)	05:47	06:32	95	12:33	78S	18:33	265	19:18
2025	Mar	08	(Sat)	05:46	06:32	95	12:32	78S	18:33	265	19:18
2025	Mar	09	(Sun)	05:46	06:31	94	12:32	79S	18:33	266	19:18
2025	Mar	10	(Mon)	05:46	06:31	94	12:32	79S	18:33	266	19:18
2025	Mar	11	(Tue)	05:45	06:30	94	12:32	80S	18:33	267	19:18
2025	Mar	12	(Wed)	05:45	06:30	93	12:31	80S	18:33	267	19:18
2025	Mar	13	(Thu)	05:44	06:29	93	12:31	80S	18:33	267	19:18
2025	Mar	14	(Fri)	05:44	06:29	92	12:31	81S	18:33	268	19:18
2025	Mar	15	(Sat)	05:43	06:28	92	12:30	81S	18:33	268	19:18
2025	Mar	16	(Sun)	05:43	06:28	92	12:30	82S	18:33	269	19:18
2025	Mar	17	(Mon)	05:42	06:27	91	12:30	82S	18:33	269	19:18
2025	Mar	18	(Tue)	05:42	06:27	91	12:30	82S	18:32	269	19:18
2025	Mar	19	(Wed)	05:41	06:26	90	12:29	83S	18:32	270	19:17
2025	Mar	20	(Thu)	05:41	06:26	90	12:29	83S	18:32	270	19:17
2025	Mar	21	(Fri)	05:40	06:25	90	12:29	84S	18:32	271	19:17
2025	Mar	22	(Sat)	05:40	06:25	89	12:28	84S	18:32	271	19:17
2025	Mar	23	(Sun)	05:39	06:24	89	12:28	84S	18:32	271	19:17
2025	Mar	24	(Mon)	05:39	06:24	88	12:28	85S	18:32	272	19:17
2025	Mar	25	(Tue)	05:38	06:23	88	12:27	85S	18:32	272	19:17
2025	Mar	26	(Wed)	05:38	06:23	88	12:27	85S	18:32	273	19:17
2025	Mar	27	(Thu)	05:37	06:22	87	12:27	86S	18:32	273	19:17
2025	Mar	28	(Fri)	05:37	06:22	87	12:27	86S	18:32	273	19:17
2025	Mar	29	(Sat)	05:36	06:21	86	12:26	87S	18:31	274	19:17
2025	Mar	30	(Sun)	05:36	06:21	86	12:26	87S	18:31	274	19:17
2025	Mar	31	(Mon)	05:35	06:20	86	12:26	87S	18:31	275	19:17
2025	Apr	01	(Tue)	05:34	06:20	85	12:25	88S	18:31	275	19:16
2025	Apr	02	(Wed)	05:34	06:19	85	12:25	88S	18:31	275	19:16
2025	Apr	03	(Thu)	05:33	06:19	85	12:25	89S	18:31	276	19:16
2025	Apr	04	(Fri)	05:33	06:18	84	12:25	89S	18:31	276	19:16
2025	Apr	05	(Sat)	05:32	06:18	84	12:24	89S	18:31	276	19:16
2025	Apr	06	(Sun)	05:32	06:17	83	12:24	90S	18:31	277	19:16
2025	Apr	07	(Mon)	05:31	06:17	83	12:24	90S	18:31	277	19:16
2025	Apr	08	(Tue)	05:31	06:16	83	12:23	90S	18:31	278	19:16
2025	Apr	09	(Wed)	05:30	06:16	82	12:23	91N	18:31	278	19:16
2025	Apr	10	(Thu)	05:30	06:15	82	12:23	90N	18:30	278	19:16
2025	Apr	11	(Fri)	05:29	06:15	81	12:23	90N	18:30	279	19:16
2025	Apr	12	(Sat)	05:29	06:14	81	12:22	89N	18:30	279	19:16
2025	Apr	13	(Sun)	05:28	06:14	81	12:22	89N	18:30	279	19:16
2025	Apr	14	(Mon)	05:28	06:13	80	12:22	89N	18:30	280	19:16
2025	Apr	15	(Tue)	05:27	06:13	80	12:22	88N	18:30	280	19:16
2025	Apr	16	(Wed)	05:27	06:13	80	12:21	88N	18:30	281	19:16
2025	Apr	17	(Thu)	05:26	06:12	79	12:21	88N	18:30	281	19:16
2025	Apr	18	(Fri)	05:26	06:12	79	12:21	87N	18:30	281	19:16
2025	Apr	19	(Sat)	05:25	06:11	79	12:21	87N	18:30	282	19:16
2025	Apr	20	(Sun)	05:25	06:11	78	12:20	87N	18:30	282	19:16
2025	Apr	21	(Mon)	05:24	06:11	78	12:20	86N	18:30	282	19:16
2025	Apr	22	(Tue)	05:24	06:10	78	12:20	86N	18:30	283	19:16
2025	Apr	23	(Wed)	05:23	06:10	77	12:20	86N	18:30	283	19:16
2025	Apr	24	(Thu)	05:23	06:09	77	12:20	85N	18:30	283	19:17
2025	Apr	25	(Fri)	05:23	06:09	77	12:19	85N	18:30	284	19:17
2025	Apr	26	(Sat)	05:22	06:09	76	12:19	85N	18:30	284	19:17
2025	Apr	27	(Sun)	05:22	06:08	76	12:19	84N	18:30	284	19:17
2025	Apr	28	(Mon)	05:21	06:08	76	12:19	84N	18:30	285	19:17
2025	Apr	29	(Tue)	05:21	06:08	75	12:19	84N	18:30	285	19:17
2025	Apr	30	(Wed)	05:20	06:07	75	12:19	83N	18:30	285	19:17
2025	May	01	(Thu)	05:20	06:07	75	12:19	83N	18:30	285	19:17
2025	May	02	(Fri)	05:20	06:07	74	12:19	83N	18:30	286	19:17
2025	May	03	(Sat)	05:19	06:06	74	12:18	82N	18:30	286	19:18
2025	May	04	(Sun)	05:19	06:06	74	12:18	82N	18:31	286	19:18
2025	May	05	(Mon)	05:19	06:06	73	12:18	82N	18:31	287	19:18
2025	May	06	(Tue)	05:18	06:06	73	12:18	82N	18:31	287	19:18
2025	May	07	(Wed)	05:18	06:05	73	12:18	81N	18:31	287	19:18
2025	May	08	(Thu)	05:18	06:05	73	12:18	81N	18:31	287	19:18
2025	May	09	(Fri)	05:17	06:05	72	12:18	81N	18:31	288	19:19
2025	May	10	(Sat)	05:17	06:05	72	12:18	81N	18:31	288	19:19
2025	May	11	(Sun)	05:17	06:05	72	12:18	80N	18:31	288	19:19
2025	May	12	(Mon)	05:17	06:04	72	12:18	80N	18:31	289	19:19

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

2025	Jul	24	(Thu)	05:25	06:14	70	12:28	78N	18:43	290	19:31
2025	Jul	25	(Fri)	05:25	06:14	70	12:28	79N	18:42	290	19:31
2025	Jul	26	(Sat)	05:26	06:14	70	12:28	79N	18:42	290	19:30
2025	Jul	27	(Sun)	05:26	06:14	71	12:28	79N	18:42	289	19:30
2025	Jul	28	(Mon)	05:26	06:14	71	12:28	79N	18:42	289	19:30
2025	Jul	29	(Tue)	05:26	06:14	71	12:28	80N	18:42	289	19:30
2025	Jul	30	(Wed)	05:26	06:14	71	12:28	80N	18:42	289	19:29
2025	Jul	31	(Thu)	05:27	06:14	71	12:28	80N	18:41	288	19:29
2025	Aug	01	(Fri)	05:27	06:15	72	12:28	80N	18:41	288	19:29
2025	Aug	02	(Sat)	05:27	06:15	72	12:28	81N	18:41	288	19:29
2025	Aug	03	(Sun)	05:27	06:15	72	12:28	81N	18:41	288	19:28
2025	Aug	04	(Mon)	05:27	06:15	72	12:28	81N	18:40	287	19:28
2025	Aug	05	(Tue)	05:27	06:15	73	12:28	81N	18:40	287	19:28
2025	Aug	06	(Wed)	05:28	06:15	73	12:27	82N	18:40	287	19:27
2025	Aug	07	(Thu)	05:28	06:15	73	12:27	82N	18:40	287	19:27
2025	Aug	08	(Fri)	05:28	06:15	74	12:27	82N	18:39	286	19:26
2025	Aug	09	(Sat)	05:28	06:15	74	12:27	82N	18:39	286	19:26
2025	Aug	10	(Sun)	05:28	06:15	74	12:27	83N	18:39	286	19:26
2025	Aug	11	(Mon)	05:28	06:15	74	12:27	83N	18:38	285	19:25
2025	Aug	12	(Tue)	05:28	06:15	75	12:27	83N	18:38	285	19:25
2025	Aug	13	(Wed)	05:28	06:15	75	12:26	84N	18:38	285	19:24
2025	Aug	14	(Thu)	05:28	06:15	75	12:26	84N	18:37	284	19:24
2025	Aug	15	(Fri)	05:28	06:15	76	12:26	84N	18:37	284	19:24
2025	Aug	16	(Sat)	05:28	06:15	76	12:26	85N	18:37	284	19:23
2025	Aug	17	(Sun)	05:28	06:15	76	12:26	85N	18:36	283	19:23
2025	Aug	18	(Mon)	05:29	06:15	77	12:25	85N	18:36	283	19:22
2025	Aug	19	(Tue)	05:29	06:15	77	12:25	86N	18:35	283	19:22
2025	Aug	20	(Wed)	05:29	06:15	77	12:25	86N	18:35	282	19:21
2025	Aug	21	(Thu)	05:29	06:15	78	12:25	86N	18:34	282	19:21
2025	Aug	22	(Fri)	05:29	06:15	78	12:24	87N	18:34	282	19:20
2025	Aug	23	(Sat)	05:29	06:15	78	12:24	87N	18:34	281	19:20
2025	Aug	24	(Sun)	05:29	06:15	79	12:24	87N	18:33	281	19:19
2025	Aug	25	(Mon)	05:29	06:15	79	12:24	88N	18:33	281	19:19
2025	Aug	26	(Tue)	05:29	06:15	79	12:23	88N	18:32	280	19:18
2025	Aug	27	(Wed)	05:28	06:14	80	12:23	88N	18:32	280	19:18
2025	Aug	28	(Thu)	05:28	06:14	80	12:23	89N	18:31	280	19:17
2025	Aug	29	(Fri)	05:28	06:14	80	12:23	89N	18:31	279	19:16
2025	Aug	30	(Sat)	05:28	06:14	81	12:22	89N	18:30	279	19:16
2025	Aug	31	(Sun)	05:28	06:14	81	12:22	90N	18:30	279	19:15
2025	Sep	01	(Mon)	05:28	06:14	82	12:22	90N	18:29	278	19:15
2025	Sep	02	(Tue)	05:28	06:14	82	12:21	90N	18:29	278	19:14
2025	Sep	03	(Wed)	05:28	06:14	82	12:21	91S	18:28	278	19:14
2025	Sep	04	(Thu)	05:28	06:14	83	12:21	90S	18:28	277	19:13
2025	Sep	05	(Fri)	05:28	06:13	83	12:20	90S	18:27	277	19:13
2025	Sep	06	(Sat)	05:28	06:13	83	12:20	90S	18:27	276	19:12
2025	Sep	07	(Sun)	05:28	06:13	84	12:20	89S	18:26	276	19:11
2025	Sep	08	(Mon)	05:28	06:13	84	12:19	89S	18:25	276	19:11
2025	Sep	09	(Tue)	05:27	06:13	85	12:19	88S	18:25	275	19:10
2025	Sep	10	(Wed)	05:27	06:13	85	12:19	88S	18:24	275	19:10
2025	Sep	11	(Thu)	05:27	06:13	85	12:18	88S	18:24	275	19:09
2025	Sep	12	(Fri)	05:27	06:12	86	12:18	87S	18:23	274	19:08
2025	Sep	13	(Sat)	05:27	06:12	86	12:17	87S	18:23	274	19:08
2025	Sep	14	(Sun)	05:27	06:12	86	12:17	86S	18:22	273	19:07
2025	Sep	15	(Mon)	05:27	06:12	87	12:17	86S	18:22	273	19:07
2025	Sep	16	(Tue)	05:27	06:12	87	12:16	86S	18:21	273	19:06
2025	Sep	17	(Wed)	05:26	06:12	88	12:16	85S	18:20	272	19:06
2025	Sep	18	(Thu)	05:26	06:11	88	12:16	85S	18:20	272	19:05
2025	Sep	19	(Fri)	05:26	06:11	88	12:15	85S	18:19	271	19:04
2025	Sep	20	(Sat)	05:26	06:11	89	12:15	84S	18:19	271	19:04
2025	Sep	21	(Sun)	05:26	06:11	89	12:15	84S	18:18	271	19:03
2025	Sep	22	(Mon)	05:26	06:11	90	12:14	83S	18:18	270	19:03
2025	Sep	23	(Tue)	05:26	06:11	90	12:14	83S	18:17	270	19:02
2025	Sep	24	(Wed)	05:26	06:11	90	12:14	83S	18:16	269	19:02
2025	Sep	25	(Thu)	05:25	06:10	91	12:13	82S	18:16	269	19:01
2025	Sep	26	(Fri)	05:25	06:10	91	12:13	82S	18:15	269	19:00
2025	Sep	27	(Sat)	05:25	06:10	92	12:13	81S	18:15	268	19:00
2025	Sep	28	(Sun)	05:25	06:10	92	12:12	81S	18:14	268	18:59
2025	Sep	29	(Mon)	05:25	06:10	92	12:12	81S	18:14	267	18:59
2025	Sep	30	(Tue)	05:25	06:10	93	12:12	80S	18:13	267	18:58
2025	Oct	01	(Wed)	05:25	06:10	93	12:11	80S	18:13	267	18:58
2025	Oct	02	(Thu)	05:24	06:10	94	12:11	80S	18:12	266	18:57
2025	Oct	03	(Fri)	05:24	06:09	94	12:11	79S	18:12	266	18:57

2025	Oct	04	(Sat)	05:24	06:09	94	12:10	79S	18:11	266	18:56
2025	Oct	05	(Sun)	05:24	06:09	95	12:10	78S	18:11	265	18:56
2025	Oct	06	(Mon)	05:24	06:09	95	12:10	78S	18:10	265	18:55
2025	Oct	07	(Tue)	05:24	06:09	95	12:09	78S	18:10	264	18:55
2025	Oct	08	(Wed)	05:24	06:09	96	12:09	77S	18:09	264	18:54
2025	Oct	09	(Thu)	05:24	06:09	96	12:09	77S	18:09	264	18:54
2025	Oct	10	(Fri)	05:23	06:09	97	12:09	76S	18:08	263	18:54
2025	Oct	11	(Sat)	05:23	06:09	97	12:08	76S	18:08	263	18:53
2025	Oct	12	(Sun)	05:23	06:09	97	12:08	76S	18:07	262	18:53
2025	Oct	13	(Mon)	05:23	06:09	98	12:08	75S	18:07	262	18:52
2025	Oct	14	(Tue)	05:23	06:09	98	12:08	75S	18:06	262	18:52
2025	Oct	15	(Wed)	05:23	06:09	98	12:07	75S	18:06	261	18:52
2025	Oct	16	(Thu)	05:23	06:09	99	12:07	74S	18:06	261	18:51
2025	Oct	17	(Fri)	05:23	06:08	99	12:07	74S	18:05	261	18:51
2025	Oct	18	(Sat)	05:23	06:08	100	12:07	73S	18:05	260	18:50
2025	Oct	19	(Sun)	05:23	06:08	100	12:07	73S	18:04	260	18:50
2025	Oct	20	(Mon)	05:23	06:09	100	12:06	73S	18:04	260	18:50
2025	Oct	21	(Tue)	05:23	06:09	101	12:06	72S	18:04	259	18:50
2025	Oct	22	(Wed)	05:23	06:09	101	12:06	72S	18:03	259	18:49
2025	Oct	23	(Thu)	05:23	06:09	101	12:06	72S	18:03	258	18:49
2025	Oct	24	(Fri)	05:23	06:09	102	12:06	71S	18:03	258	18:49
2025	Oct	25	(Sat)	05:23	06:09	102	12:06	71S	18:02	258	18:48
2025	Oct	26	(Sun)	05:23	06:09	102	12:06	71S	18:02	257	18:48
2025	Oct	27	(Mon)	05:23	06:09	103	12:05	70S	18:02	257	18:48
2025	Oct	28	(Tue)	05:23	06:09	103	12:05	70S	18:02	257	18:48
2025	Oct	29	(Wed)	05:23	06:09	103	12:05	70S	18:01	256	18:48
2025	Oct	30	(Thu)	05:23	06:09	104	12:05	69S	18:01	256	18:47
2025	Oct	31	(Fri)	05:23	06:09	104	12:05	69S	18:01	256	18:47
2025	Nov	01	(Sat)	05:23	06:09	104	12:05	69S	18:01	255	18:47
2025	Nov	02	(Sun)	05:23	06:10	105	12:05	68S	18:01	255	18:47
2025	Nov	03	(Mon)	05:23	06:10	105	12:05	68S	18:00	255	18:47
2025	Nov	04	(Tue)	05:23	06:10	105	12:05	68S	18:00	254	18:47
2025	Nov	05	(Wed)	05:23	06:10	106	12:05	67S	18:00	254	18:47
2025	Nov	06	(Thu)	05:24	06:10	106	12:05	67S	18:00	254	18:47
2025	Nov	07	(Fri)	05:24	06:11	106	12:05	67S	18:00	254	18:47
2025	Nov	08	(Sat)	05:24	06:11	107	12:05	67S	18:00	253	18:47
2025	Nov	09	(Sun)	05:24	06:11	107	12:05	66S	18:00	253	18:47
2025	Nov	10	(Mon)	05:24	06:11	107	12:05	66S	18:00	253	18:47
2025	Nov	11	(Tue)	05:24	06:12	107	12:06	66S	18:00	252	18:47
2025	Nov	12	(Wed)	05:25	06:12	108	12:06	65S	18:00	252	18:47
2025	Nov	13	(Thu)	05:25	06:12	108	12:06	65S	17:59	252	18:47
2025	Nov	14	(Fri)	05:25	06:12	108	12:06	65S	17:59	252	18:47
2025	Nov	15	(Sat)	05:25	06:13	109	12:06	65S	18:00	251	18:47
2025	Nov	16	(Sun)	05:26	06:13	109	12:06	64S	18:00	251	18:47
2025	Nov	17	(Mon)	05:26	06:13	109	12:06	64S	18:00	251	18:47
2025	Nov	18	(Tue)	05:26	06:14	109	12:07	64S	18:00	251	18:47
2025	Nov	19	(Wed)	05:26	06:14	110	12:07	64S	18:00	250	18:47
2025	Nov	20	(Thu)	05:27	06:14	110	12:07	63S	18:00	250	18:48
2025	Nov	21	(Fri)	05:27	06:15	110	12:07	63S	18:00	250	18:48
2025	Nov	22	(Sat)	05:27	06:15	110	12:08	63S	18:00	250	18:48
2025	Nov	23	(Sun)	05:28	06:15	110	12:08	63S	18:00	249	18:48
2025	Nov	24	(Mon)	05:28	06:16	111	12:08	63S	18:00	249	18:48
2025	Nov	25	(Tue)	05:28	06:16	111	12:09	62S	18:01	249	18:49
2025	Nov	26	(Wed)	05:29	06:17	111	12:09	62S	18:01	249	18:49
2025	Nov	27	(Thu)	05:29	06:17	111	12:09	62S	18:01	249	18:49
2025	Nov	28	(Fri)	05:29	06:18	111	12:09	62S	18:01	249	18:50
2025	Nov	29	(Sat)	05:30	06:18	112	12:10	62S	18:02	248	18:50
2025	Nov	30	(Sun)	05:30	06:18	112	12:10	62S	18:02	248	18:50
2025	Dec	01	(Mon)	05:31	06:19	112	12:11	61S	18:02	248	18:50
2025	Dec	02	(Tue)	05:31	06:19	112	12:11	61S	18:02	248	18:51
2025	Dec	03	(Wed)	05:31	06:20	112	12:11	61S	18:03	248	18:51
2025	Dec	04	(Thu)	05:32	06:20	112	12:12	61S	18:03	248	18:52
2025	Dec	05	(Fri)	05:32	06:21	112	12:12	61S	18:03	247	18:52
2025	Dec	06	(Sat)	05:33	06:21	113	12:13	61S	18:04	247	18:52
2025	Dec	07	(Sun)	05:33	06:22	113	12:13	61S	18:04	247	18:53
2025	Dec	08	(Mon)	05:34	06:22	113	12:13	60S	18:04	247	18:53
2025	Dec	09	(Tue)	05:34	06:23	113	12:14	60S	18:05	247	18:54
2025	Dec	10	(Wed)	05:35	06:23	113	12:14	60S	18:05	247	18:54
2025	Dec	11	(Thu)	05:35	06:24	113	12:15	60S	18:06	247	18:54
2025	Dec	12	(Fri)	05:36	06:24	113	12:15	60S	18:06	247	18:55
2025	Dec	13	(Sat)	05:36	06:25	113	12:16	60S	18:06	247	18:55
2025	Dec	14	(Sun)	05:37	06:25	113	12:16	60S	18:07	247	18:56

2025	Dec 15	(Mon)	05:37	06:26	113	12:17	60S	18:07	247	18:56
2025	Dec 16	(Tue)	05:38	06:26	113	12:17	60S	18:08	247	18:57
2025	Dec 17	(Wed)	05:38	06:27	113	12:18	60S	18:08	247	18:57
2025	Dec 18	(Thu)	05:39	06:27	113	12:18	60S	18:09	247	18:58
2025	Dec 19	(Fri)	05:39	06:28	114	12:19	60S	18:09	246	18:58
2025	Dec 20	(Sat)	05:40	06:28	114	12:19	60S	18:10	246	18:59
2025	Dec 21	(Sun)	05:40	06:29	114	12:20	60S	18:10	246	18:59
2025	Dec 22	(Mon)	05:41	06:29	114	12:20	60S	18:11	246	19:00
2025	Dec 23	(Tue)	05:41	06:30	114	12:21	60S	18:11	246	19:00
2025	Dec 24	(Wed)	05:42	06:30	114	12:21	60S	18:12	246	19:01
2025	Dec 25	(Thu)	05:42	06:31	113	12:22	60S	18:12	247	19:01
2025	Dec 26	(Fri)	05:42	06:31	113	12:22	60S	18:13	247	19:02
2025	Dec 27	(Sat)	05:43	06:32	113	12:23	60S	18:13	247	19:02
2025	Dec 28	(Sun)	05:43	06:32	113	12:23	60S	18:14	247	19:03
2025	Dec 29	(Mon)	05:44	06:33	113	12:24	60S	18:14	247	19:03
2025	Dec 30	(Tue)	05:44	06:33	113	12:24	60S	18:15	247	19:04
2025	Dec 31	(Wed)	05:45	06:34	113	12:25	60S	18:15	247	19:04

Sun

Trang

Location: E 99°36'53.9", N 7°31'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Civil Twilight			Rise Az.			Transit Alt.			Set Az.			End Civil Twilight	
			h	m		h	m	°	h	m	°	h	m	°	h	m
2025	Jan 01	(Wed)	06:12			06:34		113	12:25		60S	18:16		247	18:39	
2025	Jan 02	(Thu)	06:12			06:35		113	12:26		60S	18:17		247	18:39	
2025	Jan 03	(Fri)	06:12			06:35		113	12:26		60S	18:17		247	18:40	
2025	Jan 04	(Sat)	06:13			06:35		113	12:26		60S	18:18		247	18:40	
2025	Jan 05	(Sun)	06:13			06:36		113	12:27		61S	18:18		247	18:41	
2025	Jan 06	(Mon)	06:14			06:36		113	12:27		61S	18:19		247	18:41	
2025	Jan 07	(Tue)	06:14			06:37		112	12:28		61S	18:19		248	18:42	
2025	Jan 08	(Wed)	06:14			06:37		112	12:28		61S	18:20		248	18:42	
2025	Jan 09	(Thu)	06:15			06:37		112	12:29		61S	18:20		248	18:43	
2025	Jan 10	(Fri)	06:15			06:38		112	12:29		61S	18:21		248	18:43	
2025	Jan 11	(Sat)	06:15			06:38		112	12:29		61S	18:21		248	18:44	
2025	Jan 12	(Sun)	06:16			06:38		112	12:30		62S	18:22		248	18:44	
2025	Jan 13	(Mon)	06:16			06:38		112	12:30		62S	18:22		249	18:44	
2025	Jan 14	(Tue)	06:16			06:39		111	12:31		62S	18:23		249	18:45	
2025	Jan 15	(Wed)	06:17			06:39		111	12:31		62S	18:23		249	18:45	
2025	Jan 16	(Thu)	06:17			06:39		111	12:31		62S	18:23		249	18:46	
2025	Jan 17	(Fri)	06:17			06:39		111	12:32		62S	18:24		249	18:46	
2025	Jan 18	(Sat)	06:17			06:40		111	12:32		63S	18:24		249	18:47	
2025	Jan 19	(Sun)	06:18			06:40		110	12:32		63S	18:25		250	18:47	
2025	Jan 20	(Mon)	06:18			06:40		110	12:33		63S	18:25		250	18:47	
2025	Jan 21	(Tue)	06:18			06:40		110	12:33		63S	18:26		250	18:48	
2025	Jan 22	(Wed)	06:18			06:40		110	12:33		64S	18:26		250	18:48	
2025	Jan 23	(Thu)	06:18			06:40		110	12:33		64S	18:26		251	18:48	
2025	Jan 24	(Fri)	06:18			06:41		109	12:34		64S	18:27		251	18:49	
2025	Jan 25	(Sat)	06:19			06:41		109	12:34		64S	18:27		251	18:49	
2025	Jan 26	(Sun)	06:19			06:41		109	12:34		65S	18:27		251	18:49	
2025	Jan 27	(Mon)	06:19			06:41		109	12:34		65S	18:28		252	18:50	
2025	Jan 28	(Tue)	06:19			06:41		108	12:34		65S	18:28		252	18:50	
2025	Jan 29	(Wed)	06:19			06:41		108	12:35		65S	18:28		252	18:50	
2025	Jan 30	(Thu)	06:19			06:41		108	12:35		66S	18:29		252	18:51	
2025	Jan 31	(Fri)	06:19			06:41		107	12:35		66S	18:29		253	18:51	
2025	Feb 01	(Sat)	06:19			06:41		107	12:35		66S	18:29		253	18:51	
2025	Feb 02	(Sun)	06:19			06:41		107	12:35		66S	18:30		253	18:51	
2025	Feb 03	(Mon)	06:19			06:41		107	12:35		67S	18:30		254	18:52	
2025	Feb 04	(Tue)	06:19			06:41		106	12:35		67S	18:30		254	18:52	
2025	Feb 05	(Wed)	06:19			06:41		106	12:36		67S	18:30		254	18:52	
2025	Feb 06	(Thu)	06:19			06:41		106	12:36		68S	18:31		255	18:52	
2025	Feb 07	(Fri)	06:19			06:40		105	12:36		68S	18:31		255	18:53	
2025	Feb 08	(Sat)	06:19			06:40		105	12:36		68S	18:31		255	18:53	
2025	Feb 09	(Sun)	06:19			06:40		105	12:36		69S	18:31		255	18:53	
2025	Feb 10	(Mon)	06:19			06:40		104	12:36		69S	18:32		256	18:53	
2025	Feb 11	(Tue)	06:18			06:40		104	12:36		69S	18:32		256	18:53	

2025	Feb	12	(Wed)	06:18	06:40	104	12:36	70S	18:32	256	18:53
2025	Feb	13	(Thu)	06:18	06:39	103	12:36	70S	18:32	257	18:53
2025	Feb	14	(Fri)	06:18	06:39	103	12:36	70S	18:32	257	18:54
2025	Feb	15	(Sat)	06:18	06:39	103	12:36	71S	18:32	258	18:54
2025	Feb	16	(Sun)	06:17	06:39	102	12:36	71S	18:32	258	18:54
2025	Feb	17	(Mon)	06:17	06:39	102	12:35	71S	18:33	258	18:54
2025	Feb	18	(Tue)	06:17	06:38	102	12:35	72S	18:33	259	18:54
2025	Feb	19	(Wed)	06:17	06:38	101	12:35	72S	18:33	259	18:54
2025	Feb	20	(Thu)	06:16	06:38	101	12:35	72S	18:33	259	18:54
2025	Feb	21	(Fri)	06:16	06:37	101	12:35	73S	18:33	260	18:54
2025	Feb	22	(Sat)	06:16	06:37	100	12:35	73S	18:33	260	18:54
2025	Feb	23	(Sun)	06:16	06:37	100	12:35	73S	18:33	260	18:54
2025	Feb	24	(Mon)	06:15	06:36	99	12:35	74S	18:33	261	18:54
2025	Feb	25	(Tue)	06:15	06:36	99	12:35	74S	18:33	261	18:54
2025	Feb	26	(Wed)	06:15	06:36	99	12:34	75S	18:33	262	18:54
2025	Feb	27	(Thu)	06:14	06:35	98	12:34	75S	18:33	262	18:54
2025	Feb	28	(Fri)	06:14	06:35	98	12:34	75S	18:33	262	18:54
2025	Mar	01	(Sat)	06:14	06:35	98	12:34	76S	18:33	263	18:54
2025	Mar	02	(Sun)	06:13	06:34	97	12:34	76S	18:33	263	18:54
2025	Mar	03	(Mon)	06:13	06:34	97	12:33	76S	18:33	263	18:54
2025	Mar	04	(Tue)	06:12	06:33	96	12:33	77S	18:33	264	18:54
2025	Mar	05	(Wed)	06:12	06:33	96	12:33	77S	18:33	264	18:54
2025	Mar	06	(Thu)	06:12	06:32	96	12:33	78S	18:33	265	18:54
2025	Mar	07	(Fri)	06:11	06:32	95	12:33	78S	18:33	265	18:54
2025	Mar	08	(Sat)	06:11	06:32	95	12:32	78S	18:33	265	18:54
2025	Mar	09	(Sun)	06:10	06:31	94	12:32	79S	18:33	266	18:54
2025	Mar	10	(Mon)	06:10	06:31	94	12:32	79S	18:33	266	18:54
2025	Mar	11	(Tue)	06:09	06:30	94	12:32	80S	18:33	267	18:54
2025	Mar	12	(Wed)	06:09	06:30	93	12:31	80S	18:33	267	18:54
2025	Mar	13	(Thu)	06:08	06:29	93	12:31	80S	18:33	267	18:54
2025	Mar	14	(Fri)	06:08	06:29	92	12:31	81S	18:33	268	18:54
2025	Mar	15	(Sat)	06:07	06:28	92	12:30	81S	18:33	268	18:54
2025	Mar	16	(Sun)	06:07	06:28	92	12:30	82S	18:33	269	18:53
2025	Mar	17	(Mon)	06:06	06:27	91	12:30	82S	18:33	269	18:53
2025	Mar	18	(Tue)	06:06	06:27	91	12:30	82S	18:32	269	18:53
2025	Mar	19	(Wed)	06:05	06:26	90	12:29	83S	18:32	270	18:53
2025	Mar	20	(Thu)	06:05	06:26	90	12:29	83S	18:32	270	18:53
2025	Mar	21	(Fri)	06:04	06:25	90	12:29	84S	18:32	271	18:53
2025	Mar	22	(Sat)	06:04	06:25	89	12:28	84S	18:32	271	18:53
2025	Mar	23	(Sun)	06:03	06:24	89	12:28	84S	18:32	271	18:53
2025	Mar	24	(Mon)	06:03	06:24	88	12:28	85S	18:32	272	18:53
2025	Mar	25	(Tue)	06:02	06:23	88	12:27	85S	18:32	272	18:53
2025	Mar	26	(Wed)	06:02	06:23	88	12:27	85S	18:32	273	18:53
2025	Mar	27	(Thu)	06:01	06:22	87	12:27	86S	18:32	273	18:53
2025	Mar	28	(Fri)	06:01	06:22	87	12:27	86S	18:32	273	18:52
2025	Mar	29	(Sat)	06:00	06:21	86	12:26	87S	18:31	274	18:52
2025	Mar	30	(Sun)	06:00	06:21	86	12:26	87S	18:31	274	18:52
2025	Mar	31	(Mon)	05:59	06:20	86	12:26	87S	18:31	275	18:52
2025	Apr	01	(Tue)	05:59	06:20	85	12:25	88S	18:31	275	18:52
2025	Apr	02	(Wed)	05:58	06:19	85	12:25	88S	18:31	275	18:52
2025	Apr	03	(Thu)	05:58	06:19	85	12:25	89S	18:31	276	18:52
2025	Apr	04	(Fri)	05:57	06:18	84	12:25	89S	18:31	276	18:52
2025	Apr	05	(Sat)	05:57	06:18	84	12:24	89S	18:31	276	18:52
2025	Apr	06	(Sun)	05:56	06:17	83	12:24	90S	18:31	277	18:52
2025	Apr	07	(Mon)	05:56	06:17	83	12:24	90S	18:31	277	18:52
2025	Apr	08	(Tue)	05:55	06:16	83	12:23	90S	18:31	278	18:52
2025	Apr	09	(Wed)	05:55	06:16	82	12:23	91N	18:31	278	18:52
2025	Apr	10	(Thu)	05:54	06:15	82	12:23	90N	18:30	278	18:52
2025	Apr	11	(Fri)	05:54	06:15	81	12:23	90N	18:30	279	18:52
2025	Apr	12	(Sat)	05:53	06:14	81	12:22	89N	18:30	279	18:52
2025	Apr	13	(Sun)	05:53	06:14	81	12:22	89N	18:30	279	18:51
2025	Apr	14	(Mon)	05:52	06:13	80	12:22	89N	18:30	280	18:51
2025	Apr	15	(Tue)	05:52	06:13	80	12:22	88N	18:30	280	18:51
2025	Apr	16	(Wed)	05:51	06:13	80	12:21	88N	18:30	281	18:51
2025	Apr	17	(Thu)	05:51	06:12	79	12:21	88N	18:30	281	18:51
2025	Apr	18	(Fri)	05:50	06:12	79	12:21	87N	18:30	281	18:51
2025	Apr	19	(Sat)	05:50	06:11	79	12:21	87N	18:30	282	18:51
2025	Apr	20	(Sun)	05:50	06:11	78	12:20	87N	18:30	282	18:51
2025	Apr	21	(Mon)	05:49	06:11	78	12:20	86N	18:30	282	18:51
2025	Apr	22	(Tue)	05:49	06:10	78	12:20	86N	18:30	283	18:51
2025	Apr	23	(Wed)	05:48	06:10	77	12:20	86N	18:30	283	18:51
2025	Apr	24	(Thu)	05:48	06:09	77	12:20	85N	18:30	283	18:52

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

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

2025	Sep	16	(Tue)	05:51	06:12	87	12:16	86S	18:21	273	18:42
2025	Sep	17	(Wed)	05:51	06:12	88	12:16	85S	18:20	272	18:41
2025	Sep	18	(Thu)	05:51	06:11	88	12:16	85S	18:20	272	18:41
2025	Sep	19	(Fri)	05:50	06:11	88	12:15	85S	18:19	271	18:40
2025	Sep	20	(Sat)	05:50	06:11	89	12:15	84S	18:19	271	18:40
2025	Sep	21	(Sun)	05:50	06:11	89	12:15	84S	18:18	271	18:39
2025	Sep	22	(Mon)	05:50	06:11	90	12:14	83S	18:18	270	18:38
2025	Sep	23	(Tue)	05:50	06:11	90	12:14	83S	18:17	270	18:38
2025	Sep	24	(Wed)	05:50	06:11	90	12:14	83S	18:16	269	18:37
2025	Sep	25	(Thu)	05:50	06:10	91	12:13	82S	18:16	269	18:37
2025	Sep	26	(Fri)	05:49	06:10	91	12:13	82S	18:15	269	18:36
2025	Sep	27	(Sat)	05:49	06:10	92	12:13	81S	18:15	268	18:36
2025	Sep	28	(Sun)	05:49	06:10	92	12:12	81S	18:14	268	18:35
2025	Sep	29	(Mon)	05:49	06:10	92	12:12	81S	18:14	267	18:35
2025	Sep	30	(Tue)	05:49	06:10	93	12:12	80S	18:13	267	18:34
2025	Oct	01	(Wed)	05:49	06:10	93	12:11	80S	18:13	267	18:34
2025	Oct	02	(Thu)	05:49	06:10	94	12:11	80S	18:12	266	18:33
2025	Oct	03	(Fri)	05:49	06:09	94	12:11	79S	18:12	266	18:33
2025	Oct	04	(Sat)	05:48	06:09	94	12:10	79S	18:11	266	18:32
2025	Oct	05	(Sun)	05:48	06:09	95	12:10	78S	18:11	265	18:32
2025	Oct	06	(Mon)	05:48	06:09	95	12:10	78S	18:10	265	18:31
2025	Oct	07	(Tue)	05:48	06:09	95	12:09	78S	18:10	264	18:31
2025	Oct	08	(Wed)	05:48	06:09	96	12:09	77S	18:09	264	18:30
2025	Oct	09	(Thu)	05:48	06:09	96	12:09	77S	18:09	264	18:30
2025	Oct	10	(Fri)	05:48	06:09	97	12:09	76S	18:08	263	18:29
2025	Oct	11	(Sat)	05:48	06:09	97	12:08	76S	18:08	263	18:29
2025	Oct	12	(Sun)	05:48	06:09	97	12:08	76S	18:07	262	18:28
2025	Oct	13	(Mon)	05:48	06:09	98	12:08	75S	18:07	262	18:28
2025	Oct	14	(Tue)	05:48	06:09	98	12:08	75S	18:06	262	18:28
2025	Oct	15	(Wed)	05:47	06:09	98	12:07	75S	18:06	261	18:27
2025	Oct	16	(Thu)	05:47	06:09	99	12:07	74S	18:06	261	18:27
2025	Oct	17	(Fri)	05:47	06:08	99	12:07	74S	18:05	261	18:26
2025	Oct	18	(Sat)	05:47	06:08	100	12:07	73S	18:05	260	18:26
2025	Oct	19	(Sun)	05:47	06:08	100	12:07	73S	18:04	260	18:26
2025	Oct	20	(Mon)	05:47	06:09	100	12:06	73S	18:04	260	18:25
2025	Oct	21	(Tue)	05:47	06:09	101	12:06	72S	18:04	259	18:25
2025	Oct	22	(Wed)	05:47	06:09	101	12:06	72S	18:03	259	18:25
2025	Oct	23	(Thu)	05:47	06:09	101	12:06	72S	18:03	258	18:24
2025	Oct	24	(Fri)	05:47	06:09	102	12:06	71S	18:03	258	18:24
2025	Oct	25	(Sat)	05:47	06:09	102	12:06	71S	18:02	258	18:24
2025	Oct	26	(Sun)	05:47	06:09	102	12:06	71S	18:02	257	18:23
2025	Oct	27	(Mon)	05:48	06:09	103	12:05	70S	18:02	257	18:23
2025	Oct	28	(Tue)	05:48	06:09	103	12:05	70S	18:02	257	18:23
2025	Oct	29	(Wed)	05:48	06:09	103	12:05	70S	18:01	256	18:23
2025	Oct	30	(Thu)	05:48	06:09	104	12:05	69S	18:01	256	18:23
2025	Oct	31	(Fri)	05:48	06:09	104	12:05	69S	18:01	256	18:22
2025	Nov	01	(Sat)	05:48	06:09	104	12:05	69S	18:01	255	18:22
2025	Nov	02	(Sun)	05:48	06:10	105	12:05	68S	18:01	255	18:22
2025	Nov	03	(Mon)	05:48	06:10	105	12:05	68S	18:00	255	18:22
2025	Nov	04	(Tue)	05:48	06:10	105	12:05	68S	18:00	254	18:22
2025	Nov	05	(Wed)	05:49	06:10	106	12:05	67S	18:00	254	18:22
2025	Nov	06	(Thu)	05:49	06:10	106	12:05	67S	18:00	254	18:22
2025	Nov	07	(Fri)	05:49	06:11	106	12:05	67S	18:00	254	18:22
2025	Nov	08	(Sat)	05:49	06:11	107	12:05	67S	18:00	253	18:21
2025	Nov	09	(Sun)	05:49	06:11	107	12:05	66S	18:00	253	18:21
2025	Nov	10	(Mon)	05:49	06:11	107	12:05	66S	18:00	253	18:21
2025	Nov	11	(Tue)	05:50	06:12	107	12:06	66S	18:00	252	18:21
2025	Nov	12	(Wed)	05:50	06:12	108	12:06	65S	18:00	252	18:21
2025	Nov	13	(Thu)	05:50	06:12	108	12:06	65S	17:59	252	18:21
2025	Nov	14	(Fri)	05:50	06:12	108	12:06	65S	17:59	252	18:21
2025	Nov	15	(Sat)	05:51	06:13	109	12:06	65S	18:00	251	18:21
2025	Nov	16	(Sun)	05:51	06:13	109	12:06	64S	18:00	251	18:22
2025	Nov	17	(Mon)	05:51	06:13	109	12:06	64S	18:00	251	18:22
2025	Nov	18	(Tue)	05:52	06:14	109	12:07	64S	18:00	251	18:22
2025	Nov	19	(Wed)	05:52	06:14	110	12:07	64S	18:00	250	18:22
2025	Nov	20	(Thu)	05:52	06:14	110	12:07	63S	18:00	250	18:22
2025	Nov	21	(Fri)	05:53	06:15	110	12:07	63S	18:00	250	18:22
2025	Nov	22	(Sat)	05:53	06:15	110	12:08	63S	18:00	250	18:22
2025	Nov	23	(Sun)	05:53	06:15	110	12:08	63S	18:00	249	18:23
2025	Nov	24	(Mon)	05:54	06:16	111	12:08	63S	18:00	249	18:23
2025	Nov	25	(Tue)	05:54	06:16	111	12:09	62S	18:01	249	18:23
2025	Nov	26	(Wed)	05:54	06:17	111	12:09	62S	18:01	249	18:23

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

Moon

Trang

Location: E 99°36'53.9", N 7°31'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	07:41	116		19:39	246	
2025	Jan	02	(Thu)	08:34	112		20:35	250	
2025	Jan	03	(Fri)	09:23	107		21:30	256	
2025	Jan	04	(Sat)	10:09	101		22:22	262	
2025	Jan	05	(Sun)	10:53	94		23:13	269	
2025	Jan	06	(Mon)	11:37	87				
2025	Jan	07	(Tue)	12:21	81		00:04	276	
2025	Jan	08	(Wed)	13:07	74		00:56	283	
2025	Jan	09	(Thu)	13:57	69		01:51	289	
2025	Jan	10	(Fri)	14:52	64		02:50	294	
2025	Jan	11	(Sat)	15:50	62		03:51	297	
2025	Jan	12	(Sun)	16:52	61		04:54	299	
2025	Jan	13	(Mon)	17:53	63		05:54	298	
2025	Jan	14	(Tue)	18:51	66	00:22	06:51	296	72N
2025	Jan	15	(Wed)	19:45	70	01:18	07:43	292	75N
2025	Jan	16	(Thu)	20:35	75	02:08	08:29	287	80N
2025	Jan	17	(Fri)	21:21	81	02:54	09:10	282	85N
2025	Jan	18	(Sat)	22:05	87	03:36	09:49	276	91S
2025	Jan	19	(Sun)	22:48	93	04:16	10:26	270	85S
2025	Jan	20	(Mon)	23:30	99	04:56	11:02	264	79S
2025	Jan	21	(Tue)			05:35	11:38	258	73S
2025	Jan	22	(Wed)	00:14	104	06:16	12:17	253	67S
2025	Jan	23	(Thu)	00:59	109	06:59	12:58	249	63S
2025	Jan	24	(Fri)	01:48	113	07:46	13:44	245	59S
2025	Jan	25	(Sat)	02:40	117	08:37	14:34	242	56S

2025 Jan 26 (Sun)	03:35 118	09:32 54S	15:28 241
2025 Jan 27 (Mon)	04:32 119	10:29 54S	16:26 242
2025 Jan 28 (Tue)	05:29 117	11:27 56S	17:25 244
2025 Jan 29 (Wed)	06:24 114	12:23 60S	18:24 248
2025 Jan 30 (Thu)	07:15 109	13:17 65S	19:20 253
2025 Jan 31 (Fri)	08:04 103	14:09 71S	20:15 260
2025 Feb 01 (Sat)	08:50 97	14:58 78S	21:08 267
2025 Feb 02 (Sun)	09:34 89	15:46 85S	22:00 274
2025 Feb 03 (Mon)	10:19 82	16:35 89N	22:53 281
2025 Feb 04 (Tue)	11:05 76	17:25 82N	23:47 287
2025 Feb 05 (Wed)	11:54 70	18:18 77N	
2025 Feb 06 (Thu)	12:47 65	19:15 73N	00:44 293
2025 Feb 07 (Fri)	13:43 62	20:14 70N	01:44 296
2025 Feb 08 (Sat)	14:42 61	21:14 69N	02:45 299
2025 Feb 09 (Sun)	15:42 62	22:13 71N	03:45 299
2025 Feb 10 (Mon)	16:40 64	23:08 73N	04:42 297
2025 Feb 11 (Tue)	17:35 68	24:00 78N	05:35 294
2025 Feb 12 (Wed)	18:27 73		06:22 289
2025 Feb 13 (Thu)	19:14 79	00:47 83N	07:05 284
2025 Feb 14 (Fri)	19:59 85	01:30 88N	07:45 278
2025 Feb 15 (Sat)	20:42 91	02:12 87S	08:22 272
2025 Feb 16 (Sun)	21:25 97	02:51 81S	08:59 266
2025 Feb 17 (Mon)	22:08 102	03:31 75S	09:35 261
2025 Feb 18 (Tue)	22:52 107	04:11 69S	10:13 255
2025 Feb 19 (Wed)	23:40 112	04:53 64S	10:53 250
2025 Feb 20 (Thu)		05:38 60S	11:36 246
2025 Feb 21 (Fri)	00:29 116	06:27 57S	12:23 243
2025 Feb 22 (Sat)	01:22 118	07:19 55S	13:15 241
2025 Feb 23 (Sun)	02:18 119	08:14 54S	14:10 241
2025 Feb 24 (Mon)	03:14 118	09:11 55S	15:08 243
2025 Feb 25 (Tue)	04:09 116	10:07 58S	16:07 246
2025 Feb 26 (Wed)	05:02 112	11:03 62S	17:04 251
2025 Feb 27 (Thu)	05:52 106	11:56 68S	18:01 257
2025 Feb 28 (Fri)	06:40 100	12:47 75S	18:55 264
2025 Mar 01 (Sat)	07:26 93	13:37 82S	19:49 271
2025 Mar 02 (Sun)	08:12 85	14:27 90S	20:44 278
2025 Mar 03 (Mon)	08:59 78	15:18 85N	21:39 285
2025 Mar 04 (Tue)	09:49 72	16:12 78N	22:37 291
2025 Mar 05 (Wed)	10:42 67	17:09 74N	23:38 296
2025 Mar 06 (Thu)	11:38 63	18:08 70N	
2025 Mar 07 (Fri)	12:37 61	19:09 69N	00:39 298
2025 Mar 08 (Sat)	13:37 61	20:08 70N	01:40 299
2025 Mar 09 (Sun)	14:35 63	21:04 72N	02:38 298
2025 Mar 10 (Mon)	15:30 67	21:56 76N	03:31 295
2025 Mar 11 (Tue)	16:22 71	22:43 81N	04:19 291
2025 Mar 12 (Wed)	17:10 77	23:27 86N	05:03 286
2025 Mar 13 (Thu)	17:55 82		05:43 280
2025 Mar 14 (Fri)	18:38 88	00:09 89S	06:21 275
2025 Mar 15 (Sat)	19:21 94	00:49 83S	06:57 269
2025 Mar 16 (Sun)	20:04 100	01:28 77S	07:34 263
2025 Mar 17 (Mon)	20:48 106	02:08 71S	08:11 257
2025 Mar 18 (Tue)	21:34 110	02:49 66S	08:50 252
2025 Mar 19 (Wed)	22:22 114	03:33 62S	09:31 248
2025 Mar 20 (Thu)	23:14 117	04:20 58S	10:17 244
2025 Mar 21 (Fri)		05:10 55S	11:06 242
2025 Mar 22 (Sat)	00:07 119	06:03 54S	11:59 241
2025 Mar 23 (Sun)	01:02 119	06:58 54S	12:54 242
2025 Mar 24 (Mon)	01:56 117	07:53 56S	13:51 244
2025 Mar 25 (Tue)	02:49 114	08:48 60S	14:48 248
2025 Mar 26 (Wed)	03:39 109	09:41 65S	15:44 253
2025 Mar 27 (Thu)	04:27 103	10:32 71S	16:38 260
2025 Mar 28 (Fri)	05:14 96	11:22 78S	17:33 267
2025 Mar 29 (Sat)	06:00 89	12:13 86S	18:27 275
2025 Mar 30 (Sun)	06:48 82	13:05 88N	19:24 282
2025 Mar 31 (Mon)	07:37 75	13:59 81N	20:23 289
2025 Apr 01 (Tue)	08:30 69	14:57 75N	21:25 294
2025 Apr 02 (Wed)	09:28 64	15:57 71N	22:28 297
2025 Apr 03 (Thu)	10:28 62	17:00 69N	23:32 299
2025 Apr 04 (Fri)	11:29 61	18:01 69N	
2025 Apr 05 (Sat)	12:30 63	18:59 71N	00:32 298
2025 Apr 06 (Sun)	13:26 66	19:53 75N	01:28 296
2025 Apr 07 (Mon)	14:19 70	20:42 79N	02:18 292

2025 Apr 08 (Tue)	15:08 75	21:26 85N	03:03 288
2025 Apr 09 (Wed)	15:53 81	22:08 90N	03:43 282
2025 Apr 10 (Thu)	16:37 86	22:48 85S	04:21 276
2025 Apr 11 (Fri)	17:19 92	23:27 79S	04:58 271
2025 Apr 12 (Sat)	18:02 98		05:34 265
2025 Apr 13 (Sun)	18:45 104	00:07 73S	06:10 259
2025 Apr 14 (Mon)	19:31 109	00:48 68S	06:49 254
2025 Apr 15 (Tue)	20:18 113	01:31 63S	07:30 249
2025 Apr 16 (Wed)	21:08 116	02:16 59S	08:14 245
2025 Apr 17 (Thu)	22:01 118	03:05 56S	09:01 243
2025 Apr 18 (Fri)	22:54 119	03:57 54S	09:53 241
2025 Apr 19 (Sat)	23:48 118	04:50 54S	10:46 241
2025 Apr 20 (Sun)		05:44 55S	11:41 243
2025 Apr 21 (Mon)	00:40 115	06:38 58S	12:37 246
2025 Apr 22 (Tue)	01:30 111	07:30 63S	13:31 251
2025 Apr 23 (Wed)	02:17 106	08:20 68S	14:24 257
2025 Apr 24 (Thu)	03:03 100	09:09 75S	15:17 263
2025 Apr 25 (Fri)	03:48 93	09:58 82S	16:10 271
2025 Apr 26 (Sat)	04:34 86	10:48 89S	17:05 278
2025 Apr 27 (Sun)	05:22 78	11:41 85N	18:03 285
2025 Apr 28 (Mon)	06:14 72	12:38 78N	19:04 291
2025 Apr 29 (Tue)	07:10 66	13:39 73N	20:09 296
2025 Apr 30 (Wed)	08:11 63	14:43 70N	21:15 298
2025 May 01 (Thu)	09:15 61	15:47 69N	22:19 299
2025 May 02 (Fri)	10:18 62	16:49 71N	23:19 297
2025 May 03 (Sat)	11:18 64	17:46 74N	
2025 May 04 (Sun)	12:14 68	18:38 78N	00:13 294
2025 May 05 (Mon)	13:05 73	19:25 83N	01:00 289
2025 May 06 (Tue)	13:51 79	20:08 89N	01:43 284
2025 May 07 (Wed)	14:36 85	20:48 87S	02:22 278
2025 May 08 (Thu)	15:18 91	21:27 81S	02:59 272
2025 May 09 (Fri)	16:00 96	22:06 75S	03:35 266
2025 May 10 (Sat)	16:43 102	22:47 70S	04:11 261
2025 May 11 (Sun)	17:28 107	23:29 65S	04:48 255
2025 May 12 (Mon)	18:15 112		05:28 251
2025 May 13 (Tue)	19:05 115	00:14 60S	06:12 246
2025 May 14 (Wed)	19:57 118	01:02 57S	06:58 243
2025 May 15 (Thu)	20:50 119	01:53 55S	07:49 242
2025 May 16 (Fri)	21:44 118	02:46 54S	08:42 241
2025 May 17 (Sat)	22:36 116	03:40 55S	09:37 243
2025 May 18 (Sun)	23:25 113	04:33 57S	10:31 245
2025 May 19 (Mon)		05:24 61S	11:25 249
2025 May 20 (Tue)	00:12 108	06:14 66S	12:17 255
2025 May 21 (Wed)	00:57 102	07:01 72S	13:08 261
2025 May 22 (Thu)	01:41 96	07:49 79S	13:59 268
2025 May 23 (Fri)	02:24 89	08:37 86S	14:51 275
2025 May 24 (Sat)	03:10 82	09:27 88N	15:45 282
2025 May 25 (Sun)	03:59 75	10:20 81N	16:44 288
2025 May 26 (Mon)	04:52 69	11:18 76N	17:46 294
2025 May 27 (Tue)	05:51 64	12:21 72N	18:53 297
2025 May 28 (Wed)	06:54 62	13:26 70N	19:59 299
2025 May 29 (Thu)	07:59 61	14:31 70N	21:03 298
2025 May 30 (Fri)	09:03 63	15:33 72N	22:01 295
2025 May 31 (Sat)	10:02 67	16:28 76N	22:53 291
2025 Jun 01 (Sun)	10:57 71	17:19 81N	23:39 286
2025 Jun 02 (Mon)	11:46 77	18:04 87N	
2025 Jun 03 (Tue)	12:32 83	18:46 89S	00:20 280
2025 Jun 04 (Wed)	13:16 89	19:26 83S	00:58 274
2025 Jun 05 (Thu)	13:58 95	20:05 77S	01:34 268
2025 Jun 06 (Fri)	14:41 100	20:45 71S	02:11 263
2025 Jun 07 (Sat)	15:25 106	21:26 66S	02:48 257
2025 Jun 08 (Sun)	16:11 110	22:10 62S	03:27 252
2025 Jun 09 (Mon)	17:00 114	22:58 58S	04:09 248
2025 Jun 10 (Tue)	17:51 117	23:48 55S	04:55 244
2025 Jun 11 (Wed)	18:45 119		05:44 242
2025 Jun 12 (Thu)	19:39 118	00:41 54S	06:37 241
2025 Jun 13 (Fri)	20:32 117	01:35 55S	07:32 242
2025 Jun 14 (Sat)	21:23 114	02:29 57S	08:27 244
2025 Jun 15 (Sun)	22:10 109	03:21 60S	09:21 248
2025 Jun 16 (Mon)	22:55 104	04:11 65S	10:13 253
2025 Jun 17 (Tue)	23:38 98	04:59 71S	11:04 259
2025 Jun 18 (Wed)		05:45 77S	11:54 266

2025 Jun 19 (Thu)	00:21 91	06:31 84S	12:44 272
2025 Jun 20 (Fri)	01:04 84	07:19 91N	13:36 279
2025 Jun 21 (Sat)	01:50 77	08:09 84N	14:30 286
2025 Jun 22 (Sun)	02:40 71	09:03 78N	15:29 292
2025 Jun 23 (Mon)	03:34 66	10:03 73N	16:32 296
2025 Jun 24 (Tue)	04:34 63	11:06 70N	17:38 298
2025 Jun 25 (Wed)	05:39 61	12:11 69N	18:44 298
2025 Jun 26 (Thu)	06:43 62	13:15 71N	19:45 297
2025 Jun 27 (Fri)	07:46 65	14:14 74N	20:41 293
2025 Jun 28 (Sat)	08:44 69	15:08 79N	21:30 288
2025 Jun 29 (Sun)	09:36 75	15:56 84N	22:14 282
2025 Jun 30 (Mon)	10:25 80	16:40 90N	22:54 276
2025 Jul 01 (Tue)	11:10 87	17:22 85S	23:32 270
2025 Jul 02 (Wed)	11:54 93	18:02 79S	
2025 Jul 03 (Thu)	12:37 98	18:42 73S	00:08 264
2025 Jul 04 (Fri)	13:20 104	19:23 68S	00:45 259
2025 Jul 05 (Sat)	14:06 109	20:06 63S	01:24 254
2025 Jul 06 (Sun)	14:54 113	20:52 59S	02:05 249
2025 Jul 07 (Mon)	15:44 116	21:41 56S	02:49 245
2025 Jul 08 (Tue)	16:37 118	22:34 54S	03:38 243
2025 Jul 09 (Wed)	17:32 119	23:28 54S	04:30 241
2025 Jul 10 (Thu)	18:26 118		05:24 242
2025 Jul 11 (Fri)	19:18 115	00:23 56S	06:20 244
2025 Jul 12 (Sat)	20:07 111	01:16 59S	07:16 247
2025 Jul 13 (Sun)	20:54 106	02:08 63S	08:09 252
2025 Jul 14 (Mon)	21:38 99	02:57 69S	09:01 257
2025 Jul 15 (Tue)	22:20 93	03:44 75S	09:51 264
2025 Jul 16 (Wed)	23:03 86	04:30 82S	10:41 271
2025 Jul 17 (Thu)	23:47 79	05:16 89S	11:32 277
2025 Jul 18 (Fri)		06:05 86N	12:24 284
2025 Jul 19 (Sat)	00:34 73	06:56 80N	13:20 290
2025 Jul 20 (Sun)	01:26 68	07:52 75N	14:20 295
2025 Jul 21 (Mon)	02:22 64	08:52 71N	15:23 298
2025 Jul 22 (Tue)	03:23 62	09:55 69N	16:28 299
2025 Jul 23 (Wed)	04:27 62	10:59 70N	17:30 298
2025 Jul 24 (Thu)	05:30 63	11:59 72N	18:28 295
2025 Jul 25 (Fri)	06:29 67	12:55 77N	19:19 290
2025 Jul 26 (Sat)	07:24 72	13:46 82N	20:06 285
2025 Jul 27 (Sun)	08:15 78	14:33 88N	20:48 279
2025 Jul 28 (Mon)	09:02 84	15:16 88S	21:27 273
2025 Jul 29 (Tue)	09:47 90	15:57 81S	22:05 267
2025 Jul 30 (Wed)	10:31 96	16:37 75S	22:42 261
2025 Jul 31 (Thu)	11:15 102	17:18 70S	23:20 255
2025 Aug 01 (Fri)	11:59 107	18:00 65S	24:00 251
2025 Aug 02 (Sat)	12:46 112	18:45 60S	
2025 Aug 03 (Sun)	13:36 115	19:33 57S	00:43 246
2025 Aug 04 (Mon)	14:28 118	20:24 55S	01:29 243
2025 Aug 05 (Tue)	15:21 119	21:17 54S	02:20 242
2025 Aug 06 (Wed)	16:16 118	22:12 55S	03:14 241
2025 Aug 07 (Thu)	17:09 116	23:07 57S	04:09 242
2025 Aug 08 (Fri)	18:00 113	24:00 61S	05:05 245
2025 Aug 09 (Sat)	18:49 108		06:01 250
2025 Aug 10 (Sun)	19:34 102	00:51 67S	06:54 255
2025 Aug 11 (Mon)	20:18 95	01:39 73S	07:46 262
2025 Aug 12 (Tue)	21:02 88	02:27 80S	08:37 268
2025 Aug 13 (Wed)	21:46 81	03:14 87S	09:28 275
2025 Aug 14 (Thu)	22:32 75	04:02 88N	10:21 282
2025 Aug 15 (Fri)	23:22 69	04:53 81N	11:16 288
2025 Aug 16 (Sat)		05:47 76N	12:14 293
2025 Aug 17 (Sun)	00:16 65	06:45 72N	13:16 297
2025 Aug 18 (Mon)	01:15 62	07:47 70N	14:18 299
2025 Aug 19 (Tue)	02:17 61	08:49 69N	15:20 298
2025 Aug 20 (Wed)	03:19 62	09:49 71N	16:18 296
2025 Aug 21 (Thu)	04:18 66	10:46 75N	17:11 292
2025 Aug 22 (Fri)	05:14 70	11:38 79N	17:59 287
2025 Aug 23 (Sat)	06:06 75	12:25 85N	18:42 282
2025 Aug 24 (Sun)	06:54 81	13:09 90S	19:23 275
2025 Aug 25 (Mon)	07:40 88	13:51 84S	20:01 269
2025 Aug 26 (Tue)	08:24 94	14:32 78S	20:38 263
2025 Aug 27 (Wed)	09:08 100	15:13 72S	21:16 258
2025 Aug 28 (Thu)	09:53 105	15:55 67S	21:55 252
2025 Aug 29 (Fri)	10:39 110	16:39 62S	22:37 248

2025 Aug 30 (Sat)	11:27 114	17:25 58S	23:22 244
2025 Aug 31 (Sun)	12:18 117	18:14 55S	
2025 Sep 01 (Mon)	13:11 119	19:06 54S	00:10 242
2025 Sep 02 (Tue)	14:04 119	20:00 54S	01:02 241
2025 Sep 03 (Wed)	14:58 117	20:54 56S	01:56 242
2025 Sep 04 (Thu)	15:49 115	21:48 59S	02:52 244
2025 Sep 05 (Fri)	16:39 110	22:40 64S	03:47 247
2025 Sep 06 (Sat)	17:26 105	23:30 70S	04:42 252
2025 Sep 07 (Sun)	18:11 98		05:35 259
2025 Sep 08 (Mon)	18:56 91	00:18 77S	06:27 265
2025 Sep 09 (Tue)	19:41 84	01:07 84S	07:19 273
2025 Sep 10 (Wed)	20:27 77	01:56 90N	08:13 280
2025 Sep 11 (Thu)	21:17 71	02:47 83N	09:09 286
2025 Sep 12 (Fri)	22:11 66	03:42 77N	10:08 292
2025 Sep 13 (Sat)	23:10 62	04:40 73N	11:09 296
2025 Sep 14 (Sun)		05:41 70N	12:12 298
2025 Sep 15 (Mon)	00:11 61	06:43 69N	13:15 299
2025 Sep 16 (Tue)	01:12 62	07:43 70N	14:13 297
2025 Sep 17 (Wed)	02:12 64	08:40 73N	15:07 294
2025 Sep 18 (Thu)	03:08 68	09:33 78N	15:56 289
2025 Sep 19 (Fri)	04:01 73	10:21 83N	16:40 284
2025 Sep 20 (Sat)	04:49 79	11:06 89N	17:20 278
2025 Sep 21 (Sun)	05:35 85	11:48 86S	17:59 272
2025 Sep 22 (Mon)	06:20 91	12:29 80S	18:36 266
2025 Sep 23 (Tue)	07:03 97	13:09 74S	19:13 260
2025 Sep 24 (Wed)	07:48 103	13:51 69S	19:52 254
2025 Sep 25 (Thu)	08:33 108	14:34 64S	20:33 250
2025 Sep 26 (Fri)	09:21 113	15:19 59S	21:16 246
2025 Sep 27 (Sat)	10:10 116	16:07 56S	22:03 243
2025 Sep 28 (Sun)	11:02 118	16:57 55S	22:53 241
2025 Sep 29 (Mon)	11:54 119	17:50 54S	23:46 241
2025 Sep 30 (Tue)	12:47 118	18:43 55S	
2025 Oct 01 (Wed)	13:38 116	19:36 58S	00:40 243
2025 Oct 02 (Thu)	14:28 112	20:27 62S	01:34 246
2025 Oct 03 (Fri)	15:15 107	21:17 67S	02:28 250
2025 Oct 04 (Sat)	16:00 101	22:06 73S	03:20 255
2025 Oct 05 (Sun)	16:45 95	22:54 80S	04:13 262
2025 Oct 06 (Mon)	17:30 87	23:43 88S	05:05 269
2025 Oct 07 (Tue)	18:17 80		05:59 276
2025 Oct 08 (Wed)	19:07 73	00:35 87N	06:55 283
2025 Oct 09 (Thu)	20:01 68	01:29 80N	07:54 290
2025 Oct 10 (Fri)	21:00 64	02:28 75N	08:57 295
2025 Oct 11 (Sat)	22:02 61	03:30 71N	10:02 298
2025 Oct 12 (Sun)	23:05 61	04:34 69N	11:07 299
2025 Oct 13 (Mon)		05:37 70N	12:08 298
2025 Oct 14 (Tue)	00:07 63	06:36 72N	13:04 295
2025 Oct 15 (Wed)	01:04 67	07:30 76N	13:54 291
2025 Oct 16 (Thu)	01:58 72	08:19 81N	14:39 285
2025 Oct 17 (Fri)	02:47 77	09:04 87N	15:20 280
2025 Oct 18 (Sat)	03:33 83	09:47 88S	15:59 274
2025 Oct 19 (Sun)	04:17 89	10:27 82S	16:36 268
2025 Oct 20 (Mon)	05:01 95	11:08 76S	17:13 262
2025 Oct 21 (Tue)	05:45 101	11:48 70S	17:51 256
2025 Oct 22 (Wed)	06:29 106	12:31 65S	18:31 251
2025 Oct 23 (Thu)	07:16 111	13:15 61S	19:13 247
2025 Oct 24 (Fri)	08:05 115	14:02 57S	19:59 244
2025 Oct 25 (Sat)	08:56 117	14:52 55S	20:48 242
2025 Oct 26 (Sun)	09:48 119	15:43 54S	21:39 241
2025 Oct 27 (Mon)	10:40 118	16:35 55S	22:31 242
2025 Oct 28 (Tue)	11:30 117	17:27 57S	23:25 244
2025 Oct 29 (Wed)	12:19 114	18:18 60S	
2025 Oct 30 (Thu)	13:06 110	19:07 65S	00:17 248
2025 Oct 31 (Fri)	13:51 104	19:54 70S	01:08 253
2025 Nov 01 (Sat)	14:34 98	20:41 77S	01:59 259
2025 Nov 02 (Sun)	15:18 91	21:29 84S	02:50 265
2025 Nov 03 (Mon)	16:03 84	22:18 90N	03:42 273
2025 Nov 04 (Tue)	16:51 77	23:11 83N	04:36 280
2025 Nov 05 (Wed)	17:44 71		05:34 286
2025 Nov 06 (Thu)	18:42 65	00:09 77N	06:36 292
2025 Nov 07 (Fri)	19:45 62	01:11 73N	07:42 296
2025 Nov 08 (Sat)	20:50 61	02:17 70N	08:50 298
2025 Nov 09 (Sun)	21:55 63	03:23 70N	09:55 298

2025 Nov 10 (Mon)	22:57 66	04:26 71N	10:56 296
2025 Nov 11 (Tue)	23:53 70	05:24 75N	11:49 292
2025 Nov 12 (Wed)		06:16 80N	12:37 287
2025 Nov 13 (Thu)	00:44 76	07:03 85N	13:20 281
2025 Nov 14 (Fri)	01:31 82	07:46 90S	13:59 275
2025 Nov 15 (Sat)	02:16 88	08:27 84S	14:36 269
2025 Nov 16 (Sun)	03:00 94	09:07 78S	15:13 263
2025 Nov 17 (Mon)	03:43 99	09:48 72S	15:51 258
2025 Nov 18 (Tue)	04:27 105	10:29 67S	16:30 253
2025 Nov 19 (Wed)	05:13 110	11:13 62S	17:11 248
2025 Nov 20 (Thu)	06:01 114	11:59 59S	17:56 245
2025 Nov 21 (Fri)	06:51 117	12:48 56S	18:44 242
2025 Nov 22 (Sat)	07:43 118	13:39 55S	19:35 241
2025 Nov 23 (Sun)	08:35 119	14:31 55S	20:27 242
2025 Nov 24 (Mon)	09:26 117	15:23 56S	21:20 244
2025 Nov 25 (Tue)	10:15 115	16:13 59S	22:12 247
2025 Nov 26 (Wed)	11:02 111	17:01 63S	23:02 251
2025 Nov 27 (Thu)	11:46 106	17:48 68S	23:52 257
2025 Nov 28 (Fri)	12:28 100	18:33 74S	
2025 Nov 29 (Sat)	13:10 94	19:19 81S	00:40 263
2025 Nov 30 (Sun)	13:53 87	20:06 88S	01:29 269
2025 Dec 01 (Mon)	14:38 80	20:55 87N	02:20 276
2025 Dec 02 (Tue)	15:26 74	21:49 80N	03:14 283
2025 Dec 03 (Wed)	16:21 68	22:48 75N	04:13 289
2025 Dec 04 (Thu)	17:21 64	23:52 71N	05:17 294
2025 Dec 05 (Fri)	18:27 62		06:25 298
2025 Dec 06 (Sat)	19:34 62	01:00 70N	07:33 298
2025 Dec 07 (Sun)	20:40 64	02:07 70N	08:38 297
2025 Dec 08 (Mon)	21:41 68	03:09 73N	09:37 294
2025 Dec 09 (Tue)	22:36 74	04:06 78N	10:29 289
2025 Dec 10 (Wed)	23:26 80	04:57 83N	11:15 283
2025 Dec 11 (Thu)		05:42 89N	11:57 277
2025 Dec 12 (Fri)	00:13 86	06:25 86S	12:36 271
2025 Dec 13 (Sat)	00:57 92	07:06 80S	13:13 265
2025 Dec 14 (Sun)	01:41 98	07:46 74S	13:50 259
2025 Dec 15 (Mon)	02:25 103	08:28 68S	14:29 254
2025 Dec 16 (Tue)	03:10 108	09:10 64S	15:10 250
2025 Dec 17 (Wed)	03:57 112	09:56 60S	15:53 246
2025 Dec 18 (Thu)	04:47 116	10:44 57S	16:40 243
2025 Dec 19 (Fri)	05:38 118	11:34 55S	17:30 242
2025 Dec 20 (Sat)	06:31 119	12:27 54S	18:23 242
2025 Dec 21 (Sun)	07:23 118	13:19 56S	19:16 243
2025 Dec 22 (Mon)	08:13 116	14:10 58S	20:08 246
2025 Dec 23 (Tue)	09:00 112	14:59 62S	20:59 250
2025 Dec 24 (Wed)	09:45 107	15:46 67S	21:49 255
2025 Dec 25 (Thu)	10:27 102	16:31 72S	22:37 261
2025 Dec 26 (Fri)	11:08 96	17:15 79S	23:25 267
2025 Dec 27 (Sat)	11:49 89	18:00 85S	
2025 Dec 28 (Sun)	12:31 83	18:47 89N	00:13 274
2025 Dec 29 (Mon)	13:16 76	19:36 83N	01:04 281
2025 Dec 30 (Tue)	14:06 70	20:31 77N	01:58 287
2025 Dec 31 (Wed)	15:02 66	21:31 73N	02:57 292