

Sun

Phang-nga

Location: E 98°31'26.4", N 8°26'45.5", 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)	05:51	06:40 113		12:29 59S	18:19 247		19:08
2025 Jan 02 (Thu)	05:52	06:41 113		12:30 59S	18:19 247		19:08
2025 Jan 03 (Fri)	05:52	06:41 113		12:30 59S	18:20 247		19:09
2025 Jan 04 (Sat)	05:53	06:41 113		12:31 60S	18:20 247		19:09
2025 Jan 05 (Sun)	05:53	06:42 113		12:31 60S	18:21 247		19:10
2025 Jan 06 (Mon)	05:53	06:42 113		12:32 60S	18:21 247		19:10
2025 Jan 07 (Tue)	05:54	06:42 112		12:32 60S	18:22 248		19:11
2025 Jan 08 (Wed)	05:54	06:43 112		12:33 60S	18:22 248		19:11
2025 Jan 09 (Thu)	05:55	06:43 112		12:33 60S	18:23 248		19:11
2025 Jan 10 (Fri)	05:55	06:43 112		12:33 60S	18:23 248		19:12
2025 Jan 11 (Sat)	05:55	06:44 112		12:34 61S	18:24 248		19:12
2025 Jan 12 (Sun)	05:56	06:44 112		12:34 61S	18:24 248		19:13
2025 Jan 13 (Mon)	05:56	06:44 112		12:35 61S	18:25 248		19:13
2025 Jan 14 (Tue)	05:56	06:45 111		12:35 61S	18:25 249		19:14
2025 Jan 15 (Wed)	05:57	06:45 111		12:35 61S	18:26 249		19:14
2025 Jan 16 (Thu)	05:57	06:45 111		12:36 61S	18:26 249		19:15
2025 Jan 17 (Fri)	05:57	06:45 111		12:36 62S	18:27 249		19:15
2025 Jan 18 (Sat)	05:57	06:45 111		12:36 62S	18:27 249		19:15
2025 Jan 19 (Sun)	05:58	06:46 110		12:37 62S	18:28 250		19:16
2025 Jan 20 (Mon)	05:58	06:46 110		12:37 62S	18:28 250		19:16
2025 Jan 21 (Tue)	05:58	06:46 110		12:37 62S	18:29 250		19:16
2025 Jan 22 (Wed)	05:58	06:46 110		12:37 63S	18:29 250		19:17
2025 Jan 23 (Thu)	05:58	06:46 110		12:38 63S	18:29 251		19:17
2025 Jan 24 (Fri)	05:59	06:46 109		12:38 63S	18:30 251		19:17
2025 Jan 25 (Sat)	05:59	06:46 109		12:38 63S	18:30 251		19:18
2025 Jan 26 (Sun)	05:59	06:46 109		12:38 64S	18:31 251		19:18
2025 Jan 27 (Mon)	05:59	06:46 109		12:39 64S	18:31 252		19:18
2025 Jan 28 (Tue)	05:59	06:46 108		12:39 64S	18:31 252		19:19
2025 Jan 29 (Wed)	05:59	06:46 108		12:39 64S	18:32 252		19:19
2025 Jan 30 (Thu)	05:59	06:46 108		12:39 65S	18:32 252		19:19
2025 Jan 31 (Fri)	05:59	06:46 107		12:39 65S	18:32 253		19:19
2025 Feb 01 (Sat)	05:59	06:46 107		12:39 65S	18:33 253		19:20
2025 Feb 02 (Sun)	05:59	06:46 107		12:40 66S	18:33 253		19:20
2025 Feb 03 (Mon)	05:59	06:46 107		12:40 66S	18:33 254		19:20
2025 Feb 04 (Tue)	05:59	06:46 106		12:40 66S	18:34 254		19:20
2025 Feb 05 (Wed)	05:59	06:46 106		12:40 66S	18:34 254		19:21
2025 Feb 06 (Thu)	05:59	06:46 106		12:40 67S	18:34 254		19:21
2025 Feb 07 (Fri)	05:59	06:46 105		12:40 67S	18:34 255		19:21
2025 Feb 08 (Sat)	05:59	06:46 105		12:40 67S	18:35 255		19:21
2025 Feb 09 (Sun)	05:59	06:45 105		12:40 68S	18:35 255		19:21
2025 Feb 10 (Mon)	05:59	06:45 104		12:40 68S	18:35 256		19:21
2025 Feb 11 (Tue)	05:59	06:45 104		12:40 68S	18:35 256		19:22
2025 Feb 12 (Wed)	05:59	06:45 104		12:40 69S	18:35 256		19:22
2025 Feb 13 (Thu)	05:58	06:45 103		12:40 69S	18:36 257		19:22
2025 Feb 14 (Fri)	05:58	06:44 103		12:40 69S	18:36 257		19:22
2025 Feb 15 (Sat)	05:58	06:44 103		12:40 70S	18:36 257		19:22
2025 Feb 16 (Sun)	05:58	06:44 102		12:40 70S	18:36 258		19:22
2025 Feb 17 (Mon)	05:58	06:44 102		12:40 70S	18:36 258		19:22
2025 Feb 18 (Tue)	05:57	06:43 102		12:40 71S	18:36 259		19:22
2025 Feb 19 (Wed)	05:57	06:43 101		12:40 71S	18:36 259		19:22
2025 Feb 20 (Thu)	05:57	06:43 101		12:40 71S	18:37 259		19:22
2025 Feb 21 (Fri)	05:57	06:42 101		12:39 72S	18:37 260		19:22
2025 Feb 22 (Sat)	05:56	06:42 100		12:39 72S	18:37 260		19:22
2025 Feb 23 (Sun)	05:56	06:42 100		12:39 73S	18:37 260		19:23
2025 Feb 24 (Mon)	05:56	06:41 99		12:39 73S	18:37 261		19:23

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

2025	May	03	(Sat)	05:23	06:10	74	12:23	83N	18:36	286	19:23
2025	May	04	(Sun)	05:22	06:09	74	12:23	83N	18:36	286	19:23
2025	May	05	(Mon)	05:22	06:09	73	12:23	83N	18:36	287	19:24
2025	May	06	(Tue)	05:21	06:09	73	12:23	83N	18:36	287	19:24
2025	May	07	(Wed)	05:21	06:09	73	12:22	82N	18:36	287	19:24
2025	May	08	(Thu)	05:21	06:08	73	12:22	82N	18:36	288	19:24
2025	May	09	(Fri)	05:21	06:08	72	12:22	82N	18:37	288	19:24
2025	May	10	(Sat)	05:20	06:08	72	12:22	81N	18:37	288	19:25
2025	May	11	(Sun)	05:20	06:08	72	12:22	81N	18:37	288	19:25
2025	May	12	(Mon)	05:20	06:08	72	12:22	81N	18:37	289	19:25
2025	May	13	(Tue)	05:19	06:07	71	12:22	81N	18:37	289	19:25
2025	May	14	(Wed)	05:19	06:07	71	12:22	80N	18:37	289	19:25
2025	May	15	(Thu)	05:19	06:07	71	12:22	80N	18:38	289	19:26
2025	May	16	(Fri)	05:19	06:07	71	12:22	80N	18:38	290	19:26
2025	May	17	(Sat)	05:18	06:07	70	12:22	80N	18:38	290	19:26
2025	May	18	(Sun)	05:18	06:07	70	12:22	80N	18:38	290	19:26
2025	May	19	(Mon)	05:18	06:07	70	12:22	79N	18:38	290	19:27
2025	May	20	(Tue)	05:18	06:06	70	12:22	79N	18:38	290	19:27
2025	May	21	(Wed)	05:18	06:06	69	12:22	79N	18:39	291	19:27
2025	May	22	(Thu)	05:18	06:06	69	12:23	79N	18:39	291	19:28
2025	May	23	(Fri)	05:18	06:06	69	12:23	79N	18:39	291	19:28
2025	May	24	(Sat)	05:17	06:06	69	12:23	78N	18:39	291	19:28
2025	May	25	(Sun)	05:17	06:06	69	12:23	78N	18:40	291	19:28
2025	May	26	(Mon)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2025	May	27	(Tue)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2025	May	28	(Wed)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2025	May	29	(Thu)	05:17	06:06	68	12:23	77N	18:41	292	19:30
2025	May	30	(Fri)	05:17	06:06	68	12:23	77N	18:41	292	19:30
2025	May	31	(Sat)	05:17	06:06	68	12:24	77N	18:41	292	19:30
2025	Jun	01	(Sun)	05:17	06:06	68	12:24	77N	18:41	293	19:31
2025	Jun	02	(Mon)	05:17	06:06	67	12:24	77N	18:42	293	19:31
2025	Jun	03	(Tue)	05:17	06:06	67	12:24	77N	18:42	293	19:31
2025	Jun	04	(Wed)	05:17	06:07	67	12:24	77N	18:42	293	19:31
2025	Jun	05	(Thu)	05:17	06:07	67	12:24	77N	18:42	293	19:32
2025	Jun	06	(Fri)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2025	Jun	07	(Sat)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2025	Jun	08	(Sun)	05:17	06:07	67	12:25	76N	18:43	293	19:33
2025	Jun	09	(Mon)	05:17	06:07	67	12:25	76N	18:43	293	19:33
2025	Jun	10	(Tue)	05:18	06:07	67	12:25	76N	18:44	293	19:33
2025	Jun	11	(Wed)	05:18	06:07	67	12:26	76N	18:44	294	19:34
2025	Jun	12	(Thu)	05:18	06:08	66	12:26	76N	18:44	294	19:34
2025	Jun	13	(Fri)	05:18	06:08	66	12:26	76N	18:44	294	19:34
2025	Jun	14	(Sat)	05:18	06:08	66	12:26	76N	18:45	294	19:34
2025	Jun	15	(Sun)	05:18	06:08	66	12:26	76N	18:45	294	19:35
2025	Jun	16	(Mon)	05:18	06:08	66	12:27	76N	18:45	294	19:35
2025	Jun	17	(Tue)	05:19	06:08	66	12:27	76N	18:45	294	19:35
2025	Jun	18	(Wed)	05:19	06:09	66	12:27	76N	18:46	294	19:35
2025	Jun	19	(Thu)	05:19	06:09	66	12:27	76N	18:46	294	19:36
2025	Jun	20	(Fri)	05:19	06:09	66	12:27	76N	18:46	294	19:36
2025	Jun	21	(Sat)	05:19	06:09	66	12:28	76N	18:46	294	19:36
2025	Jun	22	(Sun)	05:20	06:09	66	12:28	76N	18:46	294	19:36
2025	Jun	23	(Mon)	05:20	06:10	66	12:28	76N	18:47	294	19:36
2025	Jun	24	(Tue)	05:20	06:10	66	12:28	76N	18:47	294	19:37
2025	Jun	25	(Wed)	05:20	06:10	66	12:29	76N	18:47	294	19:37
2025	Jun	26	(Thu)	05:21	06:10	66	12:29	76N	18:47	294	19:37
2025	Jun	27	(Fri)	05:21	06:11	66	12:29	76N	18:47	294	19:37
2025	Jun	28	(Sat)	05:21	06:11	66	12:29	76N	18:48	294	19:37
2025	Jun	29	(Sun)	05:21	06:11	66	12:29	76N	18:48	294	19:37
2025	Jun	30	(Mon)	05:22	06:11	66	12:30	76N	18:48	294	19:38
2025	Jul	01	(Tue)	05:22	06:12	66	12:30	76N	18:48	293	19:38
2025	Jul	02	(Wed)	05:22	06:12	67	12:30	76N	18:48	293	19:38
2025	Jul	03	(Thu)	05:22	06:12	67	12:30	76N	18:48	293	19:38
2025	Jul	04	(Fri)	05:23	06:12	67	12:30	76N	18:48	293	19:38
2025	Jul	05	(Sat)	05:23	06:13	67	12:31	76N	18:48	293	19:38
2025	Jul	06	(Sun)	05:23	06:13	67	12:31	76N	18:49	293	19:38
2025	Jul	07	(Mon)	05:24	06:13	67	12:31	77N	18:49	293	19:38
2025	Jul	08	(Tue)	05:24	06:13	67	12:31	77N	18:49	293	19:38

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

2025 Sep 14 (Sun)	05:31	06:16	86	12:21	86S	18:27	273	19:12
2025 Sep 15 (Mon)	05:31	06:16	87	12:21	85S	18:26	273	19:11
2025 Sep 16 (Tue)	05:31	06:16	87	12:21	85S	18:25	273	19:11
2025 Sep 17 (Wed)	05:31	06:16	88	12:20	84S	18:25	272	19:10
2025 Sep 18 (Thu)	05:30	06:16	88	12:20	84S	18:24	272	19:10
2025 Sep 19 (Fri)	05:30	06:16	88	12:20	84S	18:24	271	19:09
2025 Sep 20 (Sat)	05:30	06:15	89	12:19	83S	18:23	271	19:08
2025 Sep 21 (Sun)	05:30	06:15	89	12:19	83S	18:23	271	19:08
2025 Sep 22 (Mon)	05:30	06:15	90	12:19	82S	18:22	270	19:07
2025 Sep 23 (Tue)	05:30	06:15	90	12:18	82S	18:21	270	19:07
2025 Sep 24 (Wed)	05:30	06:15	90	12:18	82S	18:21	269	19:06
2025 Sep 25 (Thu)	05:30	06:15	91	12:18	81S	18:20	269	19:05
2025 Sep 26 (Fri)	05:30	06:15	91	12:17	81S	18:20	269	19:05
2025 Sep 27 (Sat)	05:29	06:15	92	12:17	81S	18:19	268	19:04
2025 Sep 28 (Sun)	05:29	06:15	92	12:17	80S	18:19	268	19:04
2025 Sep 29 (Mon)	05:29	06:14	92	12:16	80S	18:18	267	19:03
2025 Sep 30 (Tue)	05:29	06:14	93	12:16	79S	18:17	267	19:03
2025 Oct 01 (Wed)	05:29	06:14	93	12:16	79S	18:17	267	19:02
2025 Oct 02 (Thu)	05:29	06:14	93	12:15	79S	18:16	266	19:02
2025 Oct 03 (Fri)	05:29	06:14	94	12:15	78S	18:16	266	19:01
2025 Oct 04 (Sat)	05:29	06:14	94	12:15	78S	18:15	266	19:00
2025 Oct 05 (Sun)	05:29	06:14	95	12:14	77S	18:15	265	19:00
2025 Oct 06 (Mon)	05:29	06:14	95	12:14	77S	18:14	265	18:59
2025 Oct 07 (Tue)	05:28	06:14	95	12:14	77S	18:14	264	18:59
2025 Oct 08 (Wed)	05:28	06:14	96	12:13	76S	18:13	264	18:58
2025 Oct 09 (Thu)	05:28	06:14	96	12:13	76S	18:13	264	18:58
2025 Oct 10 (Fri)	05:28	06:14	97	12:13	76S	18:12	263	18:58
2025 Oct 11 (Sat)	05:28	06:14	97	12:13	75S	18:12	263	18:57
2025 Oct 12 (Sun)	05:28	06:13	97	12:12	75S	18:11	262	18:57
2025 Oct 13 (Mon)	05:28	06:13	98	12:12	74S	18:11	262	18:56
2025 Oct 14 (Tue)	05:28	06:13	98	12:12	74S	18:10	262	18:56
2025 Oct 15 (Wed)	05:28	06:13	98	12:12	74S	18:10	261	18:55
2025 Oct 16 (Thu)	05:28	06:13	99	12:11	73S	18:09	261	18:55
2025 Oct 17 (Fri)	05:28	06:13	99	12:11	73S	18:09	261	18:55
2025 Oct 18 (Sat)	05:28	06:13	100	12:11	73S	18:09	260	18:54
2025 Oct 19 (Sun)	05:28	06:14	100	12:11	72S	18:08	260	18:54
2025 Oct 20 (Mon)	05:28	06:14	100	12:11	72S	18:08	259	18:54
2025 Oct 21 (Tue)	05:28	06:14	101	12:11	71S	18:07	259	18:53
2025 Oct 22 (Wed)	05:28	06:14	101	12:10	71S	18:07	259	18:53
2025 Oct 23 (Thu)	05:28	06:14	101	12:10	71S	18:07	258	18:53
2025 Oct 24 (Fri)	05:28	06:14	102	12:10	70S	18:06	258	18:52
2025 Oct 25 (Sat)	05:28	06:14	102	12:10	70S	18:06	258	18:52
2025 Oct 26 (Sun)	05:28	06:14	102	12:10	70S	18:06	257	18:52
2025 Oct 27 (Mon)	05:28	06:14	103	12:10	69S	18:05	257	18:52
2025 Oct 28 (Tue)	05:28	06:14	103	12:10	69S	18:05	257	18:51
2025 Oct 29 (Wed)	05:28	06:14	103	12:10	69S	18:05	256	18:51
2025 Oct 30 (Thu)	05:28	06:14	104	12:10	68S	18:05	256	18:51
2025 Oct 31 (Fri)	05:28	06:15	104	12:10	68S	18:04	256	18:51
2025 Nov 01 (Sat)	05:28	06:15	104	12:10	68S	18:04	255	18:51
2025 Nov 02 (Sun)	05:28	06:15	105	12:09	67S	18:04	255	18:50
2025 Nov 03 (Mon)	05:29	06:15	105	12:09	67S	18:04	255	18:50
2025 Nov 04 (Tue)	05:29	06:15	105	12:09	67S	18:04	254	18:50
2025 Nov 05 (Wed)	05:29	06:16	106	12:10	67S	18:03	254	18:50
2025 Nov 06 (Thu)	05:29	06:16	106	12:10	66S	18:03	254	18:50
2025 Nov 07 (Fri)	05:29	06:16	106	12:10	66S	18:03	254	18:50
2025 Nov 08 (Sat)	05:29	06:16	107	12:10	66S	18:03	253	18:50
2025 Nov 09 (Sun)	05:29	06:16	107	12:10	65S	18:03	253	18:50
2025 Nov 10 (Mon)	05:30	06:17	107	12:10	65S	18:03	253	18:50
2025 Nov 11 (Tue)	05:30	06:17	107	12:10	65S	18:03	252	18:50
2025 Nov 12 (Wed)	05:30	06:17	108	12:10	65S	18:03	252	18:50
2025 Nov 13 (Thu)	05:30	06:18	108	12:10	64S	18:03	252	18:50
2025 Nov 14 (Fri)	05:31	06:18	108	12:10	64S	18:03	252	18:50
2025 Nov 15 (Sat)	05:31	06:18	109	12:10	64S	18:03	251	18:50
2025 Nov 16 (Sun)	05:31	06:19	109	12:11	63S	18:03	251	18:50
2025 Nov 17 (Mon)	05:31	06:19	109	12:11	63S	18:03	251	18:50
2025 Nov 18 (Tue)	05:32	06:19	109	12:11	63S	18:03	251	18:50
2025 Nov 19 (Wed)	05:32	06:20	110	12:11	63S	18:03	250	18:51

2025 Nov 20 (Thu)	05:32	06:20	110	12:12	63S	18:03	250	18:51
2025 Nov 21 (Fri)	05:33	06:20	110	12:12	62S	18:03	250	18:51
2025 Nov 22 (Sat)	05:33	06:21	110	12:12	62S	18:03	250	18:51
2025 Nov 23 (Sun)	05:33	06:21	110	12:12	62S	18:03	249	18:51
2025 Nov 24 (Mon)	05:34	06:22	111	12:13	62S	18:03	249	18:51
2025 Nov 25 (Tue)	05:34	06:22	111	12:13	61S	18:04	249	18:52
2025 Nov 26 (Wed)	05:34	06:23	111	12:13	61S	18:04	249	18:52
2025 Nov 27 (Thu)	05:35	06:23	111	12:14	61S	18:04	249	18:52
2025 Nov 28 (Fri)	05:35	06:23	111	12:14	61S	18:04	248	18:53
2025 Nov 29 (Sat)	05:36	06:24	112	12:14	61S	18:04	248	18:53
2025 Nov 30 (Sun)	05:36	06:24	112	12:15	61S	18:05	248	18:53
2025 Dec 01 (Mon)	05:36	06:25	112	12:15	60S	18:05	248	18:53
2025 Dec 02 (Tue)	05:37	06:25	112	12:15	60S	18:05	248	18:54
2025 Dec 03 (Wed)	05:37	06:26	112	12:16	60S	18:06	248	18:54
2025 Dec 04 (Thu)	05:38	06:26	112	12:16	60S	18:06	248	18:54
2025 Dec 05 (Fri)	05:38	06:27	112	12:16	60S	18:06	247	18:55
2025 Dec 06 (Sat)	05:39	06:27	113	12:17	60S	18:07	247	18:55
2025 Dec 07 (Sun)	05:39	06:28	113	12:17	60S	18:07	247	18:56
2025 Dec 08 (Mon)	05:40	06:28	113	12:18	60S	18:07	247	18:56
2025 Dec 09 (Tue)	05:40	06:29	113	12:18	59S	18:08	247	18:56
2025 Dec 10 (Wed)	05:40	06:29	113	12:19	59S	18:08	247	18:57
2025 Dec 11 (Thu)	05:41	06:30	113	12:19	59S	18:08	247	18:57
2025 Dec 12 (Fri)	05:41	06:30	113	12:20	59S	18:09	247	18:58
2025 Dec 13 (Sat)	05:42	06:31	113	12:20	59S	18:09	247	18:58
2025 Dec 14 (Sun)	05:42	06:31	113	12:21	59S	18:10	247	18:59
2025 Dec 15 (Mon)	05:43	06:32	113	12:21	59S	18:10	247	18:59
2025 Dec 16 (Tue)	05:43	06:32	113	12:21	59S	18:11	247	19:00
2025 Dec 17 (Wed)	05:44	06:33	113	12:22	59S	18:11	246	19:00
2025 Dec 18 (Thu)	05:44	06:33	114	12:22	59S	18:12	246	19:01
2025 Dec 19 (Fri)	05:45	06:34	114	12:23	59S	18:12	246	19:01
2025 Dec 20 (Sat)	05:45	06:34	114	12:23	59S	18:12	246	19:02
2025 Dec 21 (Sun)	05:46	06:35	114	12:24	59S	18:13	246	19:02
2025 Dec 22 (Mon)	05:46	06:35	114	12:24	59S	18:13	246	19:03
2025 Dec 23 (Tue)	05:47	06:36	114	12:25	59S	18:14	246	19:03
2025 Dec 24 (Wed)	05:47	06:36	114	12:25	59S	18:15	246	19:04
2025 Dec 25 (Thu)	05:48	06:37	114	12:26	59S	18:15	246	19:04
2025 Dec 26 (Fri)	05:48	06:37	114	12:26	59S	18:16	247	19:05
2025 Dec 27 (Sat)	05:49	06:38	113	12:27	59S	18:16	247	19:05
2025 Dec 28 (Sun)	05:49	06:38	113	12:27	59S	18:17	247	19:06
2025 Dec 29 (Mon)	05:50	06:39	113	12:28	59S	18:17	247	19:06
2025 Dec 30 (Tue)	05:50	06:39	113	12:28	59S	18:18	247	19:07
2025 Dec 31 (Wed)	05:51	06:40	113	12:29	59S	18:18	247	19:07

Sun

Phang-nga

Location: E 98°31'26.4", N 8°26'45.5", 0m
(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)	06:17	06:40	113	12:29	59S	18:19	247
2025 Jan 02 (Thu)	06:18	06:41	113	12:30	59S	18:19	247
2025 Jan 03 (Fri)	06:18	06:41	113	12:30	59S	18:20	247
2025 Jan 04 (Sat)	06:19	06:41	113	12:31	60S	18:20	247
2025 Jan 05 (Sun)	06:19	06:42	113	12:31	60S	18:21	247
2025 Jan 06 (Mon)	06:20	06:42	113	12:32	60S	18:21	247
2025 Jan 07 (Tue)	06:20	06:42	112	12:32	60S	18:22	248
2025 Jan 08 (Wed)	06:20	06:43	112	12:33	60S	18:22	248
2025 Jan 09 (Thu)	06:21	06:43	112	12:33	60S	18:23	248
2025 Jan 10 (Fri)	06:21	06:43	112	12:33	60S	18:23	248
2025 Jan 11 (Sat)	06:21	06:44	112	12:34	61S	18:24	248
2025 Jan 12 (Sun)	06:22	06:44	112	12:34	61S	18:24	248

2025	Jan	13	(Mon)	06:22	06:44	112	12:35	61S	18:25	248	18:47
2025	Jan	14	(Tue)	06:22	06:45	111	12:35	61S	18:25	249	18:48
2025	Jan	15	(Wed)	06:22	06:45	111	12:35	61S	18:26	249	18:48
2025	Jan	16	(Thu)	06:23	06:45	111	12:36	61S	18:26	249	18:49
2025	Jan	17	(Fri)	06:23	06:45	111	12:36	62S	18:27	249	18:49
2025	Jan	18	(Sat)	06:23	06:45	111	12:36	62S	18:27	249	18:50
2025	Jan	19	(Sun)	06:23	06:46	110	12:37	62S	18:28	250	18:50
2025	Jan	20	(Mon)	06:24	06:46	110	12:37	62S	18:28	250	18:50
2025	Jan	21	(Tue)	06:24	06:46	110	12:37	62S	18:29	250	18:51
2025	Jan	22	(Wed)	06:24	06:46	110	12:37	63S	18:29	250	18:51
2025	Jan	23	(Thu)	06:24	06:46	110	12:38	63S	18:29	251	18:52
2025	Jan	24	(Fri)	06:24	06:46	109	12:38	63S	18:30	251	18:52
2025	Jan	25	(Sat)	06:24	06:46	109	12:38	63S	18:30	251	18:52
2025	Jan	26	(Sun)	06:24	06:46	109	12:38	64S	18:31	251	18:53
2025	Jan	27	(Mon)	06:24	06:46	109	12:39	64S	18:31	252	18:53
2025	Jan	28	(Tue)	06:24	06:46	108	12:39	64S	18:31	252	18:53
2025	Jan	29	(Wed)	06:25	06:46	108	12:39	64S	18:32	252	18:54
2025	Jan	30	(Thu)	06:25	06:46	108	12:39	65S	18:32	252	18:54
2025	Jan	31	(Fri)	06:25	06:46	107	12:39	65S	18:32	253	18:54
2025	Feb	01	(Sat)	06:25	06:46	107	12:39	65S	18:33	253	18:54
2025	Feb	02	(Sun)	06:25	06:46	107	12:40	66S	18:33	253	18:55
2025	Feb	03	(Mon)	06:24	06:46	107	12:40	66S	18:33	254	18:55
2025	Feb	04	(Tue)	06:24	06:46	106	12:40	66S	18:34	254	18:55
2025	Feb	05	(Wed)	06:24	06:46	106	12:40	66S	18:34	254	18:55
2025	Feb	06	(Thu)	06:24	06:46	106	12:40	67S	18:34	254	18:56
2025	Feb	07	(Fri)	06:24	06:46	105	12:40	67S	18:34	255	18:56
2025	Feb	08	(Sat)	06:24	06:46	105	12:40	67S	18:35	255	18:56
2025	Feb	09	(Sun)	06:24	06:45	105	12:40	68S	18:35	255	18:56
2025	Feb	10	(Mon)	06:24	06:45	104	12:40	68S	18:35	256	18:56
2025	Feb	11	(Tue)	06:24	06:45	104	12:40	68S	18:35	256	18:57
2025	Feb	12	(Wed)	06:23	06:45	104	12:40	69S	18:35	256	18:57
2025	Feb	13	(Thu)	06:23	06:45	103	12:40	69S	18:36	257	18:57
2025	Feb	14	(Fri)	06:23	06:44	103	12:40	69S	18:36	257	18:57
2025	Feb	15	(Sat)	06:23	06:44	103	12:40	70S	18:36	257	18:57
2025	Feb	16	(Sun)	06:23	06:44	102	12:40	70S	18:36	258	18:57
2025	Feb	17	(Mon)	06:22	06:44	102	12:40	70S	18:36	258	18:57
2025	Feb	18	(Tue)	06:22	06:43	102	12:40	71S	18:36	259	18:58
2025	Feb	19	(Wed)	06:22	06:43	101	12:40	71S	18:36	259	18:58
2025	Feb	20	(Thu)	06:22	06:43	101	12:40	71S	18:37	259	18:58
2025	Feb	21	(Fri)	06:21	06:42	101	12:39	72S	18:37	260	18:58
2025	Feb	22	(Sat)	06:21	06:42	100	12:39	72S	18:37	260	18:58
2025	Feb	23	(Sun)	06:21	06:42	100	12:39	73S	18:37	260	18:58
2025	Feb	24	(Mon)	06:20	06:41	99	12:39	73S	18:37	261	18:58
2025	Feb	25	(Tue)	06:20	06:41	99	12:39	73S	18:37	261	18:58
2025	Feb	26	(Wed)	06:20	06:41	99	12:39	74S	18:37	262	18:58
2025	Feb	27	(Thu)	06:19	06:40	98	12:39	74S	18:37	262	18:58
2025	Feb	28	(Fri)	06:19	06:40	98	12:38	74S	18:37	262	18:58
2025	Mar	01	(Sat)	06:18	06:39	98	12:38	75S	18:37	263	18:58
2025	Mar	02	(Sun)	06:18	06:39	97	12:38	75S	18:37	263	18:58
2025	Mar	03	(Mon)	06:18	06:39	97	12:38	76S	18:37	263	18:58
2025	Mar	04	(Tue)	06:17	06:38	96	12:38	76S	18:37	264	18:58
2025	Mar	05	(Wed)	06:17	06:38	96	12:37	76S	18:37	264	18:58
2025	Mar	06	(Thu)	06:16	06:37	96	12:37	77S	18:37	265	18:58
2025	Mar	07	(Fri)	06:16	06:37	95	12:37	77S	18:37	265	18:58
2025	Mar	08	(Sat)	06:15	06:36	95	12:37	77S	18:37	265	18:58
2025	Mar	09	(Sun)	06:15	06:36	94	12:36	78S	18:37	266	18:58
2025	Mar	10	(Mon)	06:14	06:35	94	12:36	78S	18:37	266	18:58
2025	Mar	11	(Tue)	06:14	06:35	94	12:36	79S	18:37	267	18:58
2025	Mar	12	(Wed)	06:13	06:34	93	12:36	79S	18:37	267	18:58
2025	Mar	13	(Thu)	06:13	06:34	93	12:35	79S	18:37	267	18:58
2025	Mar	14	(Fri)	06:12	06:33	92	12:35	80S	18:37	268	18:58
2025	Mar	15	(Sat)	06:12	06:33	92	12:35	80S	18:37	268	18:58
2025	Mar	16	(Sun)	06:11	06:32	92	12:35	81S	18:37	269	18:58
2025	Mar	17	(Mon)	06:11	06:32	91	12:34	81S	18:37	269	18:58
2025	Mar	18	(Tue)	06:10	06:31	91	12:34	81S	18:37	269	18:58
2025	Mar	19	(Wed)	06:10	06:31	90	12:34	82S	18:37	270	18:58
2025	Mar	20	(Thu)	06:09	06:30	90	12:33	82S	18:37	270	18:58

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

2025	May	27	(Tue)	05:44	06:06	68	12:23	78N	18:40	292	19:03
2025	May	28	(Wed)	05:44	06:06	68	12:23	78N	18:40	292	19:03
2025	May	29	(Thu)	05:44	06:06	68	12:23	77N	18:41	292	19:03
2025	May	30	(Fri)	05:44	06:06	68	12:23	77N	18:41	292	19:03
2025	May	31	(Sat)	05:44	06:06	68	12:24	77N	18:41	292	19:04
2025	Jun	01	(Sun)	05:44	06:06	68	12:24	77N	18:41	293	19:04
2025	Jun	02	(Mon)	05:44	06:06	67	12:24	77N	18:42	293	19:04
2025	Jun	03	(Tue)	05:44	06:06	67	12:24	77N	18:42	293	19:05
2025	Jun	04	(Wed)	05:44	06:07	67	12:24	77N	18:42	293	19:05
2025	Jun	05	(Thu)	05:44	06:07	67	12:24	77N	18:42	293	19:05
2025	Jun	06	(Fri)	05:44	06:07	67	12:25	76N	18:43	293	19:05
2025	Jun	07	(Sat)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2025	Jun	08	(Sun)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2025	Jun	09	(Mon)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2025	Jun	10	(Tue)	05:44	06:07	67	12:25	76N	18:44	293	19:06
2025	Jun	11	(Wed)	05:44	06:07	67	12:26	76N	18:44	294	19:07
2025	Jun	12	(Thu)	05:45	06:08	66	12:26	76N	18:44	294	19:07
2025	Jun	13	(Fri)	05:45	06:08	66	12:26	76N	18:44	294	19:07
2025	Jun	14	(Sat)	05:45	06:08	66	12:26	76N	18:45	294	19:07
2025	Jun	15	(Sun)	05:45	06:08	66	12:26	76N	18:45	294	19:08
2025	Jun	16	(Mon)	05:45	06:08	66	12:27	76N	18:45	294	19:08
2025	Jun	17	(Tue)	05:45	06:08	66	12:27	76N	18:45	294	19:08
2025	Jun	18	(Wed)	05:46	06:09	66	12:27	76N	18:46	294	19:08
2025	Jun	19	(Thu)	05:46	06:09	66	12:27	76N	18:46	294	19:09
2025	Jun	20	(Fri)	05:46	06:09	66	12:27	76N	18:46	294	19:09
2025	Jun	21	(Sat)	05:46	06:09	66	12:28	76N	18:46	294	19:09
2025	Jun	22	(Sun)	05:47	06:09	66	12:28	76N	18:46	294	19:09
2025	Jun	23	(Mon)	05:47	06:10	66	12:28	76N	18:47	294	19:10
2025	Jun	24	(Tue)	05:47	06:10	66	12:28	76N	18:47	294	19:10
2025	Jun	25	(Wed)	05:47	06:10	66	12:29	76N	18:47	294	19:10
2025	Jun	26	(Thu)	05:47	06:10	66	12:29	76N	18:47	294	19:10
2025	Jun	27	(Fri)	05:48	06:11	66	12:29	76N	18:47	294	19:10
2025	Jun	28	(Sat)	05:48	06:11	66	12:29	76N	18:48	294	19:10
2025	Jun	29	(Sun)	05:48	06:11	66	12:29	76N	18:48	294	19:11
2025	Jun	30	(Mon)	05:48	06:11	66	12:30	76N	18:48	294	19:11
2025	Jul	01	(Tue)	05:49	06:12	66	12:30	76N	18:48	293	19:11
2025	Jul	02	(Wed)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2025	Jul	03	(Thu)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2025	Jul	04	(Fri)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2025	Jul	05	(Sat)	05:50	06:13	67	12:31	76N	18:48	293	19:11
2025	Jul	06	(Sun)	05:50	06:13	67	12:31	76N	18:49	293	19:11
2025	Jul	07	(Mon)	05:50	06:13	67	12:31	77N	18:49	293	19:11
2025	Jul	08	(Tue)	05:51	06:13	67	12:31	77N	18:49	293	19:11
2025	Jul	09	(Wed)	05:51	06:14	67	12:31	77N	18:49	293	19:12
2025	Jul	10	(Thu)	05:51	06:14	67	12:31	77N	18:49	293	19:12
2025	Jul	11	(Fri)	05:51	06:14	68	12:31	77N	18:49	292	19:12
2025	Jul	12	(Sat)	05:52	06:14	68	12:32	77N	18:49	292	19:12
2025	Jul	13	(Sun)	05:52	06:14	68	12:32	77N	18:49	292	19:12
2025	Jul	14	(Mon)	05:52	06:15	68	12:32	78N	18:49	292	19:12
2025	Jul	15	(Tue)	05:52	06:15	68	12:32	78N	18:49	292	19:12
2025	Jul	16	(Wed)	05:52	06:15	68	12:32	78N	18:49	292	19:11
2025	Jul	17	(Thu)	05:53	06:15	68	12:32	78N	18:49	291	19:11
2025	Jul	18	(Fri)	05:53	06:15	69	12:32	78N	18:49	291	19:11
2025	Jul	19	(Sat)	05:53	06:16	69	12:32	78N	18:49	291	19:11
2025	Jul	20	(Sun)	05:53	06:16	69	12:32	79N	18:49	291	19:11
2025	Jul	21	(Mon)	05:54	06:16	69	12:32	79N	18:49	291	19:11
2025	Jul	22	(Tue)	05:54	06:16	69	12:32	79N	18:48	291	19:11
2025	Jul	23	(Wed)	05:54	06:16	70	12:32	79N	18:48	290	19:11
2025	Jul	24	(Thu)	05:54	06:17	70	12:32	79N	18:48	290	19:11
2025	Jul	25	(Fri)	05:54	06:17	70	12:32	80N	18:48	290	19:10
2025	Jul	26	(Sat)	05:55	06:17	70	12:32	80N	18:48	290	19:10
2025	Jul	27	(Sun)	05:55	06:17	70	12:32	80N	18:48	289	19:10
2025	Jul	28	(Mon)	05:55	06:17	71	12:32	80N	18:48	289	19:10
2025	Jul	29	(Tue)	05:55	06:17	71	12:32	80N	18:47	289	19:10
2025	Jul	30	(Wed)	05:55	06:17	71	12:32	81N	18:47	289	19:09
2025	Jul	31	(Thu)	05:55	06:18	71	12:32	81N	18:47	288	19:09
2025	Aug	01	(Fri)	05:56	06:18	72	12:32	81N	18:47	288	19:09

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

2025	Oct	08	(Wed)	05:53	06:14	96	12:13	76S	18:13	264	18:34
2025	Oct	09	(Thu)	05:53	06:14	96	12:13	76S	18:13	264	18:34
2025	Oct	10	(Fri)	05:53	06:14	97	12:13	76S	18:12	263	18:33
2025	Oct	11	(Sat)	05:52	06:14	97	12:13	75S	18:12	263	18:33
2025	Oct	12	(Sun)	05:52	06:13	97	12:12	75S	18:11	262	18:32
2025	Oct	13	(Mon)	05:52	06:13	98	12:12	74S	18:11	262	18:32
2025	Oct	14	(Tue)	05:52	06:13	98	12:12	74S	18:10	262	18:31
2025	Oct	15	(Wed)	05:52	06:13	98	12:12	74S	18:10	261	18:31
2025	Oct	16	(Thu)	05:52	06:13	99	12:11	73S	18:09	261	18:31
2025	Oct	17	(Fri)	05:52	06:13	99	12:11	73S	18:09	261	18:30
2025	Oct	18	(Sat)	05:52	06:13	100	12:11	73S	18:09	260	18:30
2025	Oct	19	(Sun)	05:52	06:14	100	12:11	72S	18:08	260	18:29
2025	Oct	20	(Mon)	05:52	06:14	100	12:11	72S	18:08	259	18:29
2025	Oct	21	(Tue)	05:52	06:14	101	12:11	71S	18:07	259	18:29
2025	Oct	22	(Wed)	05:52	06:14	101	12:10	71S	18:07	259	18:28
2025	Oct	23	(Thu)	05:52	06:14	101	12:10	71S	18:07	258	18:28
2025	Oct	24	(Fri)	05:52	06:14	102	12:10	70S	18:06	258	18:28
2025	Oct	25	(Sat)	05:53	06:14	102	12:10	70S	18:06	258	18:27
2025	Oct	26	(Sun)	05:53	06:14	102	12:10	70S	18:06	257	18:27
2025	Oct	27	(Mon)	05:53	06:14	103	12:10	69S	18:05	257	18:27
2025	Oct	28	(Tue)	05:53	06:14	103	12:10	69S	18:05	257	18:27
2025	Oct	29	(Wed)	05:53	06:14	103	12:10	69S	18:05	256	18:26
2025	Oct	30	(Thu)	05:53	06:14	104	12:10	68S	18:05	256	18:26
2025	Oct	31	(Fri)	05:53	06:15	104	12:10	68S	18:04	256	18:26
2025	Nov	01	(Sat)	05:53	06:15	104	12:10	68S	18:04	255	18:26
2025	Nov	02	(Sun)	05:53	06:15	105	12:09	67S	18:04	255	18:25
2025	Nov	03	(Mon)	05:54	06:15	105	12:09	67S	18:04	255	18:25
2025	Nov	04	(Tue)	05:54	06:15	105	12:09	67S	18:04	254	18:25
2025	Nov	05	(Wed)	05:54	06:16	106	12:10	67S	18:03	254	18:25
2025	Nov	06	(Thu)	05:54	06:16	106	12:10	66S	18:03	254	18:25
2025	Nov	07	(Fri)	05:54	06:16	106	12:10	66S	18:03	254	18:25
2025	Nov	08	(Sat)	05:54	06:16	107	12:10	66S	18:03	253	18:25
2025	Nov	09	(Sun)	05:55	06:16	107	12:10	65S	18:03	253	18:25
2025	Nov	10	(Mon)	05:55	06:17	107	12:10	65S	18:03	253	18:25
2025	Nov	11	(Tue)	05:55	06:17	107	12:10	65S	18:03	252	18:25
2025	Nov	12	(Wed)	05:55	06:17	108	12:10	65S	18:03	252	18:25
2025	Nov	13	(Thu)	05:56	06:18	108	12:10	64S	18:03	252	18:25
2025	Nov	14	(Fri)	05:56	06:18	108	12:10	64S	18:03	252	18:25
2025	Nov	15	(Sat)	05:56	06:18	109	12:10	64S	18:03	251	18:25
2025	Nov	16	(Sun)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2025	Nov	17	(Mon)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2025	Nov	18	(Tue)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2025	Nov	19	(Wed)	05:58	06:20	110	12:11	63S	18:03	250	18:25
2025	Nov	20	(Thu)	05:58	06:20	110	12:12	63S	18:03	250	18:25
2025	Nov	21	(Fri)	05:58	06:20	110	12:12	62S	18:03	250	18:25
2025	Nov	22	(Sat)	05:59	06:21	110	12:12	62S	18:03	250	18:25
2025	Nov	23	(Sun)	05:59	06:21	110	12:12	62S	18:03	249	18:26
2025	Nov	24	(Mon)	05:59	06:22	111	12:13	62S	18:03	249	18:26
2025	Nov	25	(Tue)	06:00	06:22	111	12:13	61S	18:04	249	18:26
2025	Nov	26	(Wed)	06:00	06:23	111	12:13	61S	18:04	249	18:26
2025	Nov	27	(Thu)	06:01	06:23	111	12:14	61S	18:04	249	18:26
2025	Nov	28	(Fri)	06:01	06:23	111	12:14	61S	18:04	248	18:27
2025	Nov	29	(Sat)	06:01	06:24	112	12:14	61S	18:04	248	18:27
2025	Nov	30	(Sun)	06:02	06:24	112	12:15	61S	18:05	248	18:27
2025	Dec	01	(Mon)	06:02	06:25	112	12:15	60S	18:05	248	18:27
2025	Dec	02	(Tue)	06:03	06:25	112	12:15	60S	18:05	248	18:28
2025	Dec	03	(Wed)	06:03	06:26	112	12:16	60S	18:06	248	18:28
2025	Dec	04	(Thu)	06:04	06:26	112	12:16	60S	18:06	248	18:28
2025	Dec	05	(Fri)	06:04	06:27	112	12:16	60S	18:06	247	18:29
2025	Dec	06	(Sat)	06:05	06:27	113	12:17	60S	18:07	247	18:29
2025	Dec	07	(Sun)	06:05	06:28	113	12:17	60S	18:07	247	18:29
2025	Dec	08	(Mon)	06:06	06:28	113	12:18	60S	18:07	247	18:30
2025	Dec	09	(Tue)	06:06	06:29	113	12:18	59S	18:08	247	18:30
2025	Dec	10	(Wed)	06:07	06:29	113	12:19	59S	18:08	247	18:31
2025	Dec	11	(Thu)	06:07	06:30	113	12:19	59S	18:08	247	18:31
2025	Dec	12	(Fri)	06:08	06:30	113	12:20	59S	18:09	247	18:32
2025	Dec	13	(Sat)	06:08	06:31	113	12:20	59S	18:09	247	18:32

2025	Dec 14	(Sun)	06:09	06:31	113	12:21	59S	18:10	247	18:32
2025	Dec 15	(Mon)	06:09	06:32	113	12:21	59S	18:10	247	18:33
2025	Dec 16	(Tue)	06:10	06:32	113	12:21	59S	18:11	247	18:33
2025	Dec 17	(Wed)	06:10	06:33	113	12:22	59S	18:11	246	18:34
2025	Dec 18	(Thu)	06:11	06:33	114	12:22	59S	18:12	246	18:34
2025	Dec 19	(Fri)	06:11	06:34	114	12:23	59S	18:12	246	18:35
2025	Dec 20	(Sat)	06:12	06:34	114	12:23	59S	18:12	246	18:35
2025	Dec 21	(Sun)	06:12	06:35	114	12:24	59S	18:13	246	18:36
2025	Dec 22	(Mon)	06:13	06:35	114	12:24	59S	18:13	246	18:36
2025	Dec 23	(Tue)	06:13	06:36	114	12:25	59S	18:14	246	18:37
2025	Dec 24	(Wed)	06:14	06:36	114	12:25	59S	18:15	246	18:37
2025	Dec 25	(Thu)	06:14	06:37	114	12:26	59S	18:15	246	18:38
2025	Dec 26	(Fri)	06:15	06:37	114	12:26	59S	18:16	247	18:38
2025	Dec 27	(Sat)	06:15	06:38	113	12:27	59S	18:16	247	18:39
2025	Dec 28	(Sun)	06:16	06:38	113	12:27	59S	18:17	247	18:39
2025	Dec 29	(Mon)	06:16	06:39	113	12:28	59S	18:17	247	18:40
2025	Dec 30	(Tue)	06:16	06:39	113	12:28	59S	18:18	247	18:40
2025	Dec 31	(Wed)	06:17	06:40	113	12:29	59S	18:18	247	18:41

Moon

Phang-nga

Location: E 98°31'26.4", N 8°26'45.5", 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)	07:48	116		13:44	57S		19:42	246	
2025 Jan 02 (Thu)	08:40	112		14:39	61S		20:39	250	
2025 Jan 03 (Fri)	09:29	107		15:30	66S		21:33	256	
2025 Jan 04 (Sat)	10:15	101		16:19	73S		22:26	262	
2025 Jan 05 (Sun)	10:58	94		17:07	80S		23:17	269	
2025 Jan 06 (Mon)	11:41	87		17:54	87S				
2025 Jan 07 (Tue)	12:24	80		18:42	88N		00:09	276	
2025 Jan 08 (Wed)	13:10	74		19:33	82N		01:02	283	
2025 Jan 09 (Thu)	14:00	69		20:27	76N		01:57	289	
2025 Jan 10 (Fri)	14:54	64		21:25	73N		02:56	294	
2025 Jan 11 (Sat)	15:53	62		22:26	71N		03:58	297	
2025 Jan 12 (Sun)	16:54	61		23:28	71N		05:00	299	
2025 Jan 13 (Mon)	17:55	63					06:01	298	
2025 Jan 14 (Tue)	18:54	66		00:27	72N		06:58	296	
2025 Jan 15 (Wed)	19:48	70		01:22	76N		07:49	292	
2025 Jan 16 (Thu)	20:38	75		02:12	81N		08:34	287	
2025 Jan 17 (Fri)	21:25	81		02:58	86N		09:16	282	
2025 Jan 18 (Sat)	22:09	87		03:41	90S		09:54	276	
2025 Jan 19 (Sun)	22:52	93		04:21	84S		10:30	270	
2025 Jan 20 (Mon)	23:35	99		05:00	78S		11:06	264	
2025 Jan 21 (Tue)				05:39	72S		11:42	258	
2025 Jan 22 (Wed)	00:19	104		06:20	67S		12:20	253	
2025 Jan 23 (Thu)	01:05	109		07:04	62S		13:01	249	
2025 Jan 24 (Fri)	01:54	113		07:51	58S		13:46	245	
2025 Jan 25 (Sat)	02:47	117		08:42	55S		14:36	242	
2025 Jan 26 (Sun)	03:42	119		09:36	53S		15:31	241	
2025 Jan 27 (Mon)	04:39	119		10:33	53S		16:28	242	
2025 Jan 28 (Tue)	05:35	117		11:31	55S		17:28	244	
2025 Jan 29 (Wed)	06:30	114		12:28	59S		18:27	248	
2025 Jan 30 (Thu)	07:21	109		13:22	64S		19:24	253	
2025 Jan 31 (Fri)	08:09	103		14:13	70S		20:19	260	
2025 Feb 01 (Sat)	08:55	97		15:02	77S		21:12	267	
2025 Feb 02 (Sun)	09:39	89		15:51	85S		22:05	274	
2025 Feb 03 (Mon)	10:23	82		16:39	90N		22:58	281	
2025 Feb 04 (Tue)	11:09	76		17:30	83N		23:53	287	
2025 Feb 05 (Wed)	11:57	70		18:23	78N				
2025 Feb 06 (Thu)	12:49	65		19:19	73N		00:51	293	

2025 Feb 07 (Fri)	13:46 62	20:18 71N	01:51 297
2025 Feb 08 (Sat)	14:45 61	21:18 70N	02:52 299
2025 Feb 09 (Sun)	15:45 62	22:17 71N	03:52 299
2025 Feb 10 (Mon)	16:43 64	23:13 74N	04:49 297
2025 Feb 11 (Tue)	17:38 68		05:41 294
2025 Feb 12 (Wed)	18:30 73	00:04 79N	06:28 289
2025 Feb 13 (Thu)	19:18 79	00:51 84N	07:11 284
2025 Feb 14 (Fri)	20:03 85	01:35 89N	07:50 278
2025 Feb 15 (Sat)	20:47 91	02:16 86S	08:27 272
2025 Feb 16 (Sun)	21:30 97	02:56 80S	09:03 266
2025 Feb 17 (Mon)	22:13 102	03:35 74S	09:39 261
2025 Feb 18 (Tue)	22:58 107	04:15 68S	10:16 255
2025 Feb 19 (Wed)	23:46 112	04:58 63S	10:56 250
2025 Feb 20 (Thu)		05:43 59S	11:39 246
2025 Feb 21 (Fri)	00:36 116	06:31 56S	12:26 243
2025 Feb 22 (Sat)	01:29 118	07:23 54S	13:17 241
2025 Feb 23 (Sun)	02:24 119	08:18 53S	14:13 241
2025 Feb 24 (Mon)	03:20 118	09:15 54S	15:11 243
2025 Feb 25 (Tue)	04:15 116	10:12 57S	16:09 246
2025 Feb 26 (Wed)	05:08 112	11:07 61S	17:08 251
2025 Feb 27 (Thu)	05:58 106	12:00 67S	18:04 257
2025 Feb 28 (Fri)	06:45 100	12:51 74S	18:59 264
2025 Mar 01 (Sat)	07:31 93	13:41 81S	19:54 271
2025 Mar 02 (Sun)	08:17 85	14:31 89S	20:49 278
2025 Mar 03 (Mon)	09:03 78	15:23 86N	21:45 285
2025 Mar 04 (Tue)	09:52 72	16:17 79N	22:44 291
2025 Mar 05 (Wed)	10:45 66	17:14 75N	23:44 296
2025 Mar 06 (Thu)	11:41 63	18:13 71N	
2025 Mar 07 (Fri)	12:39 61	19:13 70N	00:46 298
2025 Mar 08 (Sat)	13:39 61	20:12 71N	01:47 299
2025 Mar 09 (Sun)	14:38 63	21:08 73N	02:45 298
2025 Mar 10 (Mon)	15:33 67	22:00 77N	03:37 295
2025 Mar 11 (Tue)	16:25 71	22:48 82N	04:25 291
2025 Mar 12 (Wed)	17:13 77	23:32 87N	05:09 286
2025 Mar 13 (Thu)	17:59 82		05:48 280
2025 Mar 14 (Fri)	18:43 88	00:13 88S	06:26 275
2025 Mar 15 (Sat)	19:26 94	00:53 82S	07:02 269
2025 Mar 16 (Sun)	20:09 100	01:33 76S	07:38 263
2025 Mar 17 (Mon)	20:53 106	02:12 70S	08:14 257
2025 Mar 18 (Tue)	21:40 110	02:54 65S	08:53 252
2025 Mar 19 (Wed)	22:29 114	03:38 61S	09:34 248
2025 Mar 20 (Thu)	23:20 117	04:24 57S	10:19 244
2025 Mar 21 (Fri)		05:15 54S	11:08 242
2025 Mar 22 (Sat)	00:14 119	06:07 53S	12:01 241
2025 Mar 23 (Sun)	01:08 119	07:02 53S	12:57 242
2025 Mar 24 (Mon)	02:02 117	07:58 55S	13:54 244
2025 Mar 25 (Tue)	02:55 114	08:52 59S	14:51 248
2025 Mar 26 (Wed)	03:45 109	09:45 64S	15:47 253
2025 Mar 27 (Thu)	04:33 103	10:36 70S	16:42 260
2025 Mar 28 (Fri)	05:19 96	11:27 77S	17:37 267
2025 Mar 29 (Sat)	06:05 89	12:17 85S	18:32 275
2025 Mar 30 (Sun)	06:51 82	13:09 89N	19:29 282
2025 Mar 31 (Mon)	07:41 75	14:04 82N	20:29 289
2025 Apr 01 (Tue)	08:33 69	15:01 76N	21:31 294
2025 Apr 02 (Wed)	09:30 64	16:02 72N	22:35 297
2025 Apr 03 (Thu)	10:30 62	17:04 70N	23:39 299
2025 Apr 04 (Fri)	11:32 61	18:06 70N	
2025 Apr 05 (Sat)	12:32 62	19:04 72N	00:39 298
2025 Apr 06 (Sun)	13:29 66	19:57 76N	01:34 296
2025 Apr 07 (Mon)	14:22 70	20:46 80N	02:24 292
2025 Apr 08 (Tue)	15:11 75	21:31 86N	03:08 288
2025 Apr 09 (Wed)	15:57 81	22:13 90S	03:49 282
2025 Apr 10 (Thu)	16:41 86	22:53 84S	04:26 276
2025 Apr 11 (Fri)	17:24 92	23:32 78S	05:02 271
2025 Apr 12 (Sat)	18:07 98		05:38 265
2025 Apr 13 (Sun)	18:51 104	00:11 72S	06:14 259
2025 Apr 14 (Mon)	19:36 109	00:52 67S	06:52 254

2025 Apr 15 (Tue)	20:24 113	01:35 62S	07:33 249
2025 Apr 16 (Wed)	21:15 116	02:21 58S	08:16 245
2025 Apr 17 (Thu)	22:07 118	03:10 55S	09:04 242
2025 Apr 18 (Fri)	23:01 119	04:01 53S	09:55 241
2025 Apr 19 (Sat)	23:54 118	04:55 53S	10:49 241
2025 Apr 20 (Sun)		05:49 54S	11:44 243
2025 Apr 21 (Mon)	00:46 115	06:42 57S	12:39 246
2025 Apr 22 (Tue)	01:36 111	07:34 62S	13:34 251
2025 Apr 23 (Wed)	02:23 106	08:24 67S	14:28 257
2025 Apr 24 (Thu)	03:08 100	09:13 74S	15:21 263
2025 Apr 25 (Fri)	03:53 93	10:02 81S	16:15 271
2025 Apr 26 (Sat)	04:38 85	10:53 89S	17:10 278
2025 Apr 27 (Sun)	05:26 78	11:46 86N	18:08 285
2025 Apr 28 (Mon)	06:17 72	12:43 79N	19:10 291
2025 Apr 29 (Tue)	07:13 66	13:43 74N	20:15 296
2025 Apr 30 (Wed)	08:14 63	14:47 71N	21:22 298
2025 May 01 (Thu)	09:17 61	15:52 70N	22:26 299
2025 May 02 (Fri)	10:20 62	16:54 71N	23:26 297
2025 May 03 (Sat)	11:21 64	17:51 74N	
2025 May 04 (Sun)	12:17 68	18:42 79N	00:19 294
2025 May 05 (Mon)	13:08 73	19:29 84N	01:06 289
2025 May 06 (Tue)	13:55 79	20:12 90N	01:48 284
2025 May 07 (Wed)	14:40 85	20:52 86S	02:27 278
2025 May 08 (Thu)	15:23 91	21:32 80S	03:03 272
2025 May 09 (Fri)	16:05 96	22:11 74S	03:39 266
2025 May 10 (Sat)	16:49 102	22:51 69S	04:15 261
2025 May 11 (Sun)	17:34 107	23:33 64S	04:52 255
2025 May 12 (Mon)	18:21 112		05:32 250
2025 May 13 (Tue)	19:11 115	00:18 59S	06:14 246
2025 May 14 (Wed)	20:03 118	01:06 56S	07:01 243
2025 May 15 (Thu)	20:57 119	01:57 54S	07:51 242
2025 May 16 (Fri)	21:50 118	02:50 53S	08:44 241
2025 May 17 (Sat)	22:42 116	03:44 54S	09:39 242
2025 May 18 (Sun)	23:31 113	04:37 56S	10:34 245
2025 May 19 (Mon)		05:29 60S	11:28 249
2025 May 20 (Tue)	00:18 108	06:18 65S	12:20 255
2025 May 21 (Wed)	01:02 102	07:06 71S	13:12 261
2025 May 22 (Thu)	01:45 96	07:53 78S	14:03 268
2025 May 23 (Fri)	02:29 89	08:41 85S	14:56 275
2025 May 24 (Sat)	03:14 82	09:31 89N	15:51 282
2025 May 25 (Sun)	04:02 75	10:25 82N	16:50 288
2025 May 26 (Mon)	04:55 69	11:23 77N	17:53 294
2025 May 27 (Tue)	05:53 64	12:26 73N	18:59 297
2025 May 28 (Wed)	06:56 62	13:31 71N	20:06 299
2025 May 29 (Thu)	08:02 61	14:36 71N	21:10 298
2025 May 30 (Fri)	09:05 63	15:37 73N	22:08 295
2025 May 31 (Sat)	10:05 67	16:33 77N	22:59 291
2025 Jun 01 (Sun)	11:00 71	17:23 82N	23:44 286
2025 Jun 02 (Mon)	11:50 77	18:08 88N	
2025 Jun 03 (Tue)	12:36 83	18:50 88S	00:25 280
2025 Jun 04 (Wed)	13:20 89	19:30 82S	01:03 274
2025 Jun 05 (Thu)	14:03 95	20:10 76S	01:39 268
2025 Jun 06 (Fri)	14:46 100	20:49 70S	02:14 262
2025 Jun 07 (Sat)	15:30 106	21:31 65S	02:51 257
2025 Jun 08 (Sun)	16:17 110	22:15 61S	03:30 252
2025 Jun 09 (Mon)	17:06 114	23:02 57S	04:12 248
2025 Jun 10 (Tue)	17:58 117	23:53 54S	04:57 244
2025 Jun 11 (Wed)	18:52 119		05:47 242
2025 Jun 12 (Thu)	19:46 119	00:46 53S	06:40 241
2025 Jun 13 (Fri)	20:39 117	01:40 54S	07:34 242
2025 Jun 14 (Sat)	21:29 114	02:34 56S	08:30 244
2025 Jun 15 (Sun)	22:16 109	03:26 59S	09:24 248
2025 Jun 16 (Mon)	23:01 104	04:16 64S	10:17 253
2025 Jun 17 (Tue)	23:44 98	05:03 70S	11:08 259
2025 Jun 18 (Wed)		05:50 76S	11:58 266
2025 Jun 19 (Thu)	00:26 91	06:36 83S	12:49 272
2025 Jun 20 (Fri)	01:08 84	07:23 90S	13:41 279

2025 Jun 21 (Sat)	01:54 77	08:14 85N	14:36 286
2025 Jun 22 (Sun)	02:43 71	09:08 79N	15:35 292
2025 Jun 23 (Mon)	03:37 66	10:07 74N	16:39 296
2025 Jun 24 (Tue)	04:37 63	11:10 71N	17:45 298
2025 Jun 25 (Wed)	05:41 61	12:16 70N	18:50 299
2025 Jun 26 (Thu)	06:46 62	13:19 72N	19:52 297
2025 Jun 27 (Fri)	07:49 65	14:19 75N	20:47 293
2025 Jun 28 (Sat)	08:47 69	15:12 80N	21:36 288
2025 Jun 29 (Sun)	09:40 75	16:01 85N	22:19 282
2025 Jun 30 (Mon)	10:29 80	16:45 90S	22:59 276
2025 Jul 01 (Tue)	11:14 87	17:26 84S	23:36 270
2025 Jul 02 (Wed)	11:58 93	18:06 78S	
2025 Jul 03 (Thu)	12:42 98	18:46 72S	00:12 264
2025 Jul 04 (Fri)	13:26 104	19:27 67S	00:49 259
2025 Jul 05 (Sat)	14:12 109	20:10 62S	01:27 254
2025 Jul 06 (Sun)	15:00 113	20:56 58S	02:08 249
2025 Jul 07 (Mon)	15:51 116	21:46 55S	02:52 245
2025 Jul 08 (Tue)	16:44 118	22:38 54S	03:40 243
2025 Jul 09 (Wed)	17:38 119	23:32 53S	04:32 241
2025 Jul 10 (Thu)	18:32 118		05:27 242
2025 Jul 11 (Fri)	19:24 115	00:27 55S	06:23 243
2025 Jul 12 (Sat)	20:13 111	01:21 58S	07:18 247
2025 Jul 13 (Sun)	20:59 106	02:12 62S	08:13 252
2025 Jul 14 (Mon)	21:43 99	03:01 68S	09:05 257
2025 Jul 15 (Tue)	22:25 93	03:48 74S	09:55 264
2025 Jul 16 (Wed)	23:07 86	04:34 81S	10:46 271
2025 Jul 17 (Thu)	23:51 79	05:21 88S	11:37 277
2025 Jul 18 (Fri)		06:09 87N	12:30 284
2025 Jul 19 (Sat)	00:38 73	07:01 81N	13:26 290
2025 Jul 20 (Sun)	01:29 68	07:57 76N	14:27 295
2025 Jul 21 (Mon)	02:25 64	08:57 72N	15:30 298
2025 Jul 22 (Tue)	03:26 61	10:00 70N	16:34 299
2025 Jul 23 (Wed)	04:29 61	11:03 71N	17:36 298
2025 Jul 24 (Thu)	05:32 63	12:04 73N	18:34 295
2025 Jul 25 (Fri)	06:32 67	13:00 78N	19:25 290
2025 Jul 26 (Sat)	07:28 72	13:51 83N	20:11 285
2025 Jul 27 (Sun)	08:19 78	14:37 89N	20:53 279
2025 Jul 28 (Mon)	09:06 84	15:20 87S	21:32 273
2025 Jul 29 (Tue)	09:52 90	16:01 80S	22:09 267
2025 Jul 30 (Wed)	10:36 96	16:42 74S	22:46 261
2025 Jul 31 (Thu)	11:20 102	17:22 69S	23:23 255
2025 Aug 01 (Fri)	12:05 107	18:05 64S	
2025 Aug 02 (Sat)	12:52 112	18:50 59S	00:03 251
2025 Aug 03 (Sun)	13:42 115	19:37 56S	00:46 246
2025 Aug 04 (Mon)	14:34 118	20:28 54S	01:32 243
2025 Aug 05 (Tue)	15:28 119	21:22 53S	02:22 242
2025 Aug 06 (Wed)	16:22 118	22:17 54S	03:16 241
2025 Aug 07 (Thu)	17:16 116	23:11 56S	04:12 242
2025 Aug 08 (Fri)	18:06 113		05:08 245
2025 Aug 09 (Sat)	18:54 108	00:04 60S	06:04 250
2025 Aug 10 (Sun)	19:40 102	00:55 66S	06:58 255
2025 Aug 11 (Mon)	20:23 95	01:44 72S	07:50 262
2025 Aug 12 (Tue)	21:06 88	02:31 79S	08:41 268
2025 Aug 13 (Wed)	21:50 81	03:18 86S	09:33 275
2025 Aug 14 (Thu)	22:36 75	04:07 89N	10:26 282
2025 Aug 15 (Fri)	23:25 69	04:58 82N	11:22 288
2025 Aug 16 (Sat)		05:52 77N	12:21 294
2025 Aug 17 (Sun)	00:19 65	06:50 73N	13:22 297
2025 Aug 18 (Mon)	01:18 62	07:51 71N	14:25 299
2025 Aug 19 (Tue)	02:19 61	08:53 70N	15:27 298
2025 Aug 20 (Wed)	03:21 62	09:54 72N	16:25 296
2025 Aug 21 (Thu)	04:21 65	10:50 76N	17:17 292
2025 Aug 22 (Fri)	05:17 70	11:42 80N	18:05 287
2025 Aug 23 (Sat)	06:10 75	12:30 86N	18:48 282
2025 Aug 24 (Sun)	06:58 81	13:14 89S	19:27 275
2025 Aug 25 (Mon)	07:45 88	13:56 83S	20:05 269
2025 Aug 26 (Tue)	08:29 94	14:37 77S	20:42 263

2025 Aug 27 (Wed)	09:14 100	15:17 71S	21:20 257
2025 Aug 28 (Thu)	09:58 105	15:59 66S	21:59 252
2025 Aug 29 (Fri)	10:45 110	16:43 61S	22:40 248
2025 Aug 30 (Sat)	11:34 114	17:29 57S	23:24 244
2025 Aug 31 (Sun)	12:24 117	18:19 55S	
2025 Sep 01 (Mon)	13:17 119	19:11 53S	00:13 242
2025 Sep 02 (Tue)	14:11 119	20:05 53S	01:04 241
2025 Sep 03 (Wed)	15:04 117	20:59 55S	01:59 242
2025 Sep 04 (Thu)	15:56 115	21:52 58S	02:55 244
2025 Sep 05 (Fri)	16:45 110	22:44 63S	03:50 247
2025 Sep 06 (Sat)	17:31 105	23:34 69S	04:45 252
2025 Sep 07 (Sun)	18:16 98		05:39 259
2025 Sep 08 (Mon)	19:00 91	00:23 76S	06:31 265
2025 Sep 09 (Tue)	19:45 84	01:11 83S	07:24 273
2025 Sep 10 (Wed)	20:31 77	02:00 90S	08:18 280
2025 Sep 11 (Thu)	21:21 71	02:52 84N	09:15 286
2025 Sep 12 (Fri)	22:14 66	03:46 78N	10:14 292
2025 Sep 13 (Sat)	23:12 62	04:44 74N	11:16 296
2025 Sep 14 (Sun)		05:45 71N	12:19 299
2025 Sep 15 (Mon)	00:13 61	06:47 70N	13:21 299
2025 Sep 16 (Tue)	01:15 62	07:48 71N	14:20 297
2025 Sep 17 (Wed)	02:15 64	08:45 74N	15:13 294
2025 Sep 18 (Thu)	03:11 68	09:37 79N	16:01 289
2025 Sep 19 (Fri)	04:04 73	10:26 84N	16:45 284
2025 Sep 20 (Sat)	04:53 79	11:10 90N	17:25 278
2025 Sep 21 (Sun)	05:39 85	11:52 85S	18:03 272
2025 Sep 22 (Mon)	06:24 91	12:33 79S	18:40 266
2025 Sep 23 (Tue)	07:08 97	13:14 73S	19:17 260
2025 Sep 24 (Wed)	07:53 103	13:55 68S	19:56 254
2025 Sep 25 (Thu)	08:39 108	14:38 63S	20:36 249
2025 Sep 26 (Fri)	09:27 113	15:23 59S	21:19 246
2025 Sep 27 (Sat)	10:17 116	16:11 55S	22:06 243
2025 Sep 28 (Sun)	11:08 118	17:02 54S	22:55 241
2025 Sep 29 (Mon)	12:01 119	17:54 53S	23:48 241
2025 Sep 30 (Tue)	12:53 118	18:47 54S	
2025 Oct 01 (Wed)	13:45 116	19:40 57S	00:42 243
2025 Oct 02 (Thu)	14:34 112	20:31 61S	01:37 246
2025 Oct 03 (Fri)	15:20 107	21:21 66S	02:31 250
2025 Oct 04 (Sat)	16:06 101	22:10 72S	03:24 255
2025 Oct 05 (Sun)	16:50 95	22:59 79S	04:17 262
2025 Oct 06 (Mon)	17:34 87	23:48 87S	05:09 269
2025 Oct 07 (Tue)	18:21 80		06:04 276
2025 Oct 08 (Wed)	19:10 73	00:39 87N	07:00 283
2025 Oct 09 (Thu)	20:04 68	01:34 81N	08:00 290
2025 Oct 10 (Fri)	21:02 64	02:33 76N	09:03 295
2025 Oct 11 (Sat)	22:04 61	03:35 72N	10:09 298
2025 Oct 12 (Sun)	23:08 61	04:39 70N	11:13 299
2025 Oct 13 (Mon)		05:42 71N	12:14 298
2025 Oct 14 (Tue)	00:09 63	06:41 73N	13:10 295
2025 Oct 15 (Wed)	01:07 67	07:35 77N	14:00 291
2025 Oct 16 (Thu)	02:01 72	08:24 82N	14:44 285
2025 Oct 17 (Fri)	02:51 77	09:09 88N	15:25 280
2025 Oct 18 (Sat)	03:37 83	09:51 87S	16:03 274
2025 Oct 19 (Sun)	04:22 89	10:32 81S	16:40 268
2025 Oct 20 (Mon)	05:06 95	11:12 75S	17:17 262
2025 Oct 21 (Tue)	05:50 101	11:53 70S	17:54 256
2025 Oct 22 (Wed)	06:35 107	12:35 64S	18:34 251
2025 Oct 23 (Thu)	07:22 111	13:20 60S	19:16 247
2025 Oct 24 (Fri)	08:11 115	14:07 56S	20:01 244
2025 Oct 25 (Sat)	09:02 117	14:56 54S	20:50 242
2025 Oct 26 (Sun)	09:54 119	15:48 53S	21:41 241
2025 Oct 27 (Mon)	10:46 119	16:40 54S	22:34 242
2025 Oct 28 (Tue)	11:37 117	17:32 56S	23:27 244
2025 Oct 29 (Wed)	12:26 114	18:22 59S	
2025 Oct 30 (Thu)	13:12 110	19:11 64S	00:20 248
2025 Oct 31 (Fri)	13:56 104	19:59 69S	01:12 253
2025 Nov 01 (Sat)	14:39 98	20:46 76S	02:03 259

2025 Nov 02 (Sun)	15:23 91	21:33 83S	02:54 265
2025 Nov 03 (Mon)	16:07 84	22:23 90S	03:46 273
2025 Nov 04 (Tue)	16:55 77	23:16 84N	04:41 280
2025 Nov 05 (Wed)	17:47 70		05:39 287
2025 Nov 06 (Thu)	18:45 65	00:13 78N	06:42 292
2025 Nov 07 (Fri)	19:47 62	01:16 74N	07:49 297
2025 Nov 08 (Sat)	20:53 61	02:22 71N	08:56 299
2025 Nov 09 (Sun)	21:58 63	03:28 71N	10:02 298
2025 Nov 10 (Mon)	22:59 66	04:31 72N	11:02 296
2025 Nov 11 (Tue)	23:56 70	05:28 76N	11:55 292
2025 Nov 12 (Wed)		06:20 81N	12:43 287
2025 Nov 13 (Thu)	00:48 76	07:07 86N	13:25 281
2025 Nov 14 (Fri)	01:35 82	07:51 89S	14:04 275
2025 Nov 15 (Sat)	02:21 88	08:32 83S	14:41 269
2025 Nov 16 (Sun)	03:04 94	09:12 77S	15:17 263
2025 Nov 17 (Mon)	03:48 99	09:52 71S	15:54 258
2025 Nov 18 (Tue)	04:33 105	10:34 66S	16:33 253
2025 Nov 19 (Wed)	05:19 110	11:17 61S	17:14 248
2025 Nov 20 (Thu)	06:07 114	12:04 58S	17:59 245
2025 Nov 21 (Fri)	06:58 117	12:52 55S	18:46 242
2025 Nov 22 (Sat)	07:50 118	13:43 54S	19:37 241
2025 Nov 23 (Sun)	08:42 119	14:35 54S	20:29 242
2025 Nov 24 (Mon)	09:33 117	15:27 55S	21:22 244
2025 Nov 25 (Tue)	10:22 115	16:18 58S	22:14 247
2025 Nov 26 (Wed)	11:08 111	17:06 62S	23:05 251
2025 Nov 27 (Thu)	11:52 106	17:53 67S	23:55 257
2025 Nov 28 (Fri)	12:34 100	18:38 73S	
2025 Nov 29 (Sat)	13:15 94	19:23 80S	00:44 263
2025 Nov 30 (Sun)	13:57 87	20:10 87S	01:34 269
2025 Dec 01 (Mon)	14:41 80	20:59 88N	02:25 276
2025 Dec 02 (Tue)	15:30 74	21:53 81N	03:20 283
2025 Dec 03 (Wed)	16:24 68	22:52 76N	04:19 289
2025 Dec 04 (Thu)	17:24 64	23:57 72N	05:23 294
2025 Dec 05 (Fri)	18:29 62		06:31 298
2025 Dec 06 (Sat)	19:37 62	01:04 71N	07:40 299
2025 Dec 07 (Sun)	20:43 64	02:11 71N	08:45 297
2025 Dec 08 (Mon)	21:44 68	03:14 74N	09:43 294
2025 Dec 09 (Tue)	22:39 74	04:10 79N	10:35 289
2025 Dec 10 (Wed)	23:30 80	05:01 84N	11:21 283
2025 Dec 11 (Thu)		05:47 90N	12:02 277
2025 Dec 12 (Fri)	00:17 86	06:30 85S	12:40 271
2025 Dec 13 (Sat)	01:02 92	07:10 79S	13:17 265
2025 Dec 14 (Sun)	01:46 98	07:51 73S	13:54 259
2025 Dec 15 (Mon)	02:30 103	08:32 67S	14:32 254
2025 Dec 16 (Tue)	03:16 108	09:15 63S	15:13 250
2025 Dec 17 (Wed)	04:03 113	10:00 59S	15:56 246
2025 Dec 18 (Thu)	04:53 116	10:48 56S	16:43 243
2025 Dec 19 (Fri)	05:45 118	11:39 54S	17:33 242
2025 Dec 20 (Sat)	06:37 119	12:31 54S	18:25 242
2025 Dec 21 (Sun)	07:29 118	13:23 55S	19:18 243
2025 Dec 22 (Mon)	08:19 116	14:15 57S	20:11 246
2025 Dec 23 (Tue)	09:06 112	15:04 61S	21:03 250
2025 Dec 24 (Wed)	09:50 107	15:51 66S	21:52 255
2025 Dec 25 (Thu)	10:32 102	16:36 72S	22:41 261
2025 Dec 26 (Fri)	11:13 96	17:20 78S	23:29 267
2025 Dec 27 (Sat)	11:54 89	18:05 84S	
2025 Dec 28 (Sun)	12:35 83	18:51 90N	00:18 274
2025 Dec 29 (Mon)	13:20 76	19:41 84N	01:09 281
2025 Dec 30 (Tue)	14:09 70	20:35 78N	02:04 287
2025 Dec 31 (Wed)	15:04 66	21:35 74N	03:03 292