

Sun

Phatthalung

Location: E100°02'59.9", N 7°35'20.4", 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)	05:44	06:33 113		12:23 60S	18:14 247		19:03
2025 Jan 02 (Thu)	05:44	06:33 113		12:24 60S	18:15 247		19:03
2025 Jan 03 (Fri)	05:45	06:33 113		12:24 60S	18:15 247		19:04
2025 Jan 04 (Sat)	05:45	06:34 113		12:25 60S	18:16 247		19:04
2025 Jan 05 (Sun)	05:46	06:34 113		12:25 61S	18:16 247		19:05
2025 Jan 06 (Mon)	05:46	06:35 113		12:26 61S	18:17 247		19:05
2025 Jan 07 (Tue)	05:46	06:35 112		12:26 61S	18:17 248		19:06
2025 Jan 08 (Wed)	05:47	06:35 112		12:26 61S	18:18 248		19:06
2025 Jan 09 (Thu)	05:47	06:36 112		12:27 61S	18:18 248		19:07
2025 Jan 10 (Fri)	05:48	06:36 112		12:27 61S	18:19 248		19:07
2025 Jan 11 (Sat)	05:48	06:36 112		12:28 61S	18:19 248		19:08
2025 Jan 12 (Sun)	05:48	06:37 112		12:28 62S	18:20 248		19:08
2025 Jan 13 (Mon)	05:49	06:37 112		12:28 62S	18:20 249		19:08
2025 Jan 14 (Tue)	05:49	06:37 111		12:29 62S	18:21 249		19:09
2025 Jan 15 (Wed)	05:49	06:37 111		12:29 62S	18:21 249		19:09
2025 Jan 16 (Thu)	05:49	06:38 111		12:30 62S	18:22 249		19:10
2025 Jan 17 (Fri)	05:50	06:38 111		12:30 62S	18:22 249		19:10
2025 Jan 18 (Sat)	05:50	06:38 111		12:30 63S	18:22 249		19:10
2025 Jan 19 (Sun)	05:50	06:38 110		12:31 63S	18:23 250		19:11
2025 Jan 20 (Mon)	05:51	06:38 110		12:31 63S	18:23 250		19:11
2025 Jan 21 (Tue)	05:51	06:38 110		12:31 63S	18:24 250		19:11
2025 Jan 22 (Wed)	05:51	06:39 110		12:31 64S	18:24 250		19:12
2025 Jan 23 (Thu)	05:51	06:39 110		12:32 64S	18:25 251		19:12
2025 Jan 24 (Fri)	05:51	06:39 109		12:32 64S	18:25 251		19:12
2025 Jan 25 (Sat)	05:51	06:39 109		12:32 64S	18:25 251		19:13
2025 Jan 26 (Sun)	05:52	06:39 109		12:32 64S	18:26 251		19:13
2025 Jan 27 (Mon)	05:52	06:39 109		12:33 65S	18:26 252		19:13
2025 Jan 28 (Tue)	05:52	06:39 108		12:33 65S	18:26 252		19:14
2025 Jan 29 (Wed)	05:52	06:39 108		12:33 65S	18:27 252		19:14
2025 Jan 30 (Thu)	05:52	06:39 108		12:33 66S	18:27 252		19:14
2025 Jan 31 (Fri)	05:52	06:39 107		12:33 66S	18:27 253		19:14
2025 Feb 01 (Sat)	05:52	06:39 107		12:33 66S	18:28 253		19:15
2025 Feb 02 (Sun)	05:52	06:39 107		12:33 66S	18:28 253		19:15
2025 Feb 03 (Mon)	05:52	06:39 107		12:34 67S	18:28 254		19:15
2025 Feb 04 (Tue)	05:52	06:39 106		12:34 67S	18:28 254		19:15
2025 Feb 05 (Wed)	05:52	06:39 106		12:34 67S	18:29 254		19:15
2025 Feb 06 (Thu)	05:52	06:39 106		12:34 68S	18:29 255		19:16
2025 Feb 07 (Fri)	05:52	06:39 105		12:34 68S	18:29 255		19:16
2025 Feb 08 (Sat)	05:52	06:39 105		12:34 68S	18:29 255		19:16
2025 Feb 09 (Sun)	05:52	06:38 105		12:34 69S	18:30 255		19:16
2025 Feb 10 (Mon)	05:52	06:38 104		12:34 69S	18:30 256		19:16
2025 Feb 11 (Tue)	05:52	06:38 104		12:34 69S	18:30 256		19:16
2025 Feb 12 (Wed)	05:52	06:38 104		12:34 70S	18:30 256		19:16
2025 Feb 13 (Thu)	05:52	06:38 103		12:34 70S	18:30 257		19:16
2025 Feb 14 (Fri)	05:51	06:38 103		12:34 70S	18:30 257		19:17
2025 Feb 15 (Sat)	05:51	06:37 103		12:34 71S	18:31 257		19:17
2025 Feb 16 (Sun)	05:51	06:37 102		12:34 71S	18:31 258		19:17
2025 Feb 17 (Mon)	05:51	06:37 102		12:34 71S	18:31 258		19:17
2025 Feb 18 (Tue)	05:51	06:37 102		12:34 72S	18:31 259		19:17
2025 Feb 19 (Wed)	05:50	06:36 101		12:34 72S	18:31 259		19:17
2025 Feb 20 (Thu)	05:50	06:36 101		12:33 72S	18:31 259		19:17
2025 Feb 21 (Fri)	05:50	06:36 101		12:33 73S	18:31 260		19:17
2025 Feb 22 (Sat)	05:50	06:35 100		12:33 73S	18:31 260		19:17
2025 Feb 23 (Sun)	05:49	06:35 100		12:33 73S	18:31 260		19:17
2025 Feb 24 (Mon)	05:49	06:35 99		12:33 74S	18:31 261		19:17

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

2025 May 03 (Sat)	05:18	06:05	74	12:17	83N	18:29	286	19:16
2025 May 04 (Sun)	05:17	06:04	74	12:17	82N	18:29	286	19:16
2025 May 05 (Mon)	05:17	06:04	73	12:16	82N	18:29	287	19:16
2025 May 06 (Tue)	05:17	06:04	73	12:16	82N	18:29	287	19:16
2025 May 07 (Wed)	05:16	06:04	73	12:16	81N	18:29	287	19:17
2025 May 08 (Thu)	05:16	06:03	73	12:16	81N	18:29	288	19:17
2025 May 09 (Fri)	05:16	06:03	72	12:16	81N	18:29	288	19:17
2025 May 10 (Sat)	05:15	06:03	72	12:16	81N	18:29	288	19:17
2025 May 11 (Sun)	05:15	06:03	72	12:16	80N	18:30	288	19:17
2025 May 12 (Mon)	05:15	06:03	72	12:16	80N	18:30	289	19:18
2025 May 13 (Tue)	05:15	06:02	71	12:16	80N	18:30	289	19:18
2025 May 14 (Wed)	05:14	06:02	71	12:16	80N	18:30	289	19:18
2025 May 15 (Thu)	05:14	06:02	71	12:16	79N	18:30	289	19:18
2025 May 16 (Fri)	05:14	06:02	71	12:16	79N	18:30	290	19:18
2025 May 17 (Sat)	05:14	06:02	70	12:16	79N	18:31	290	19:19
2025 May 18 (Sun)	05:14	06:02	70	12:16	79N	18:31	290	19:19
2025 May 19 (Mon)	05:13	06:02	70	12:16	78N	18:31	290	19:19
2025 May 20 (Tue)	05:13	06:02	70	12:16	78N	18:31	290	19:19
2025 May 21 (Wed)	05:13	06:02	70	12:16	78N	18:31	291	19:20
2025 May 22 (Thu)	05:13	06:02	69	12:16	78N	18:31	291	19:20
2025 May 23 (Fri)	05:13	06:01	69	12:17	78N	18:32	291	19:20
2025 May 24 (Sat)	05:13	06:01	69	12:17	77N	18:32	291	19:21
2025 May 25 (Sun)	05:13	06:01	69	12:17	77N	18:32	291	19:21
2025 May 26 (Mon)	05:13	06:01	69	12:17	77N	18:32	292	19:21
2025 May 27 (Tue)	05:13	06:01	68	12:17	77N	18:33	292	19:21
2025 May 28 (Wed)	05:13	06:01	68	12:17	77N	18:33	292	19:22
2025 May 29 (Thu)	05:13	06:01	68	12:17	77N	18:33	292	19:22
2025 May 30 (Fri)	05:13	06:02	68	12:17	76N	18:33	292	19:22
2025 May 31 (Sat)	05:12	06:02	68	12:17	76N	18:33	292	19:23
2025 Jun 01 (Sun)	05:13	06:02	68	12:18	76N	18:34	292	19:23
2025 Jun 02 (Mon)	05:13	06:02	67	12:18	76N	18:34	293	19:23
2025 Jun 03 (Tue)	05:13	06:02	67	12:18	76N	18:34	293	19:23
2025 Jun 04 (Wed)	05:13	06:02	67	12:18	76N	18:34	293	19:24
2025 Jun 05 (Thu)	05:13	06:02	67	12:18	76N	18:35	293	19:24
2025 Jun 06 (Fri)	05:13	06:02	67	12:18	76N	18:35	293	19:24
2025 Jun 07 (Sat)	05:13	06:02	67	12:19	76N	18:35	293	19:25
2025 Jun 08 (Sun)	05:13	06:02	67	12:19	75N	18:35	293	19:25
2025 Jun 09 (Mon)	05:13	06:02	67	12:19	75N	18:36	293	19:25
2025 Jun 10 (Tue)	05:13	06:03	67	12:19	75N	18:36	293	19:25
2025 Jun 11 (Wed)	05:13	06:03	67	12:19	75N	18:36	293	19:26
2025 Jun 12 (Thu)	05:13	06:03	67	12:20	75N	18:36	294	19:26
2025 Jun 13 (Fri)	05:14	06:03	66	12:20	75N	18:37	294	19:26
2025 Jun 14 (Sat)	05:14	06:03	66	12:20	75N	18:37	294	19:27
2025 Jun 15 (Sun)	05:14	06:03	66	12:20	75N	18:37	294	19:27
2025 Jun 16 (Mon)	05:14	06:04	66	12:21	75N	18:37	294	19:27
2025 Jun 17 (Tue)	05:14	06:04	66	12:21	75N	18:38	294	19:27
2025 Jun 18 (Wed)	05:14	06:04	66	12:21	75N	18:38	294	19:28
2025 Jun 19 (Thu)	05:15	06:04	66	12:21	75N	18:38	294	19:28
2025 Jun 20 (Fri)	05:15	06:04	66	12:21	75N	18:38	294	19:28
2025 Jun 21 (Sat)	05:15	06:05	66	12:22	75N	18:39	294	19:28
2025 Jun 22 (Sun)	05:15	06:05	66	12:22	75N	18:39	294	19:28
2025 Jun 23 (Mon)	05:15	06:05	66	12:22	75N	18:39	294	19:29
2025 Jun 24 (Tue)	05:16	06:05	66	12:22	75N	18:39	294	19:29
2025 Jun 25 (Wed)	05:16	06:06	66	12:22	75N	18:39	294	19:29
2025 Jun 26 (Thu)	05:16	06:06	66	12:23	75N	18:40	294	19:29
2025 Jun 27 (Fri)	05:16	06:06	66	12:23	75N	18:40	294	19:29
2025 Jun 28 (Sat)	05:17	06:06	66	12:23	75N	18:40	294	19:30
2025 Jun 29 (Sun)	05:17	06:07	66	12:23	75N	18:40	294	19:30
2025 Jun 30 (Mon)	05:17	06:07	66	12:24	75N	18:40	293	19:30
2025 Jul 01 (Tue)	05:17	06:07	67	12:24	75N	18:40	293	19:30
2025 Jul 02 (Wed)	05:18	06:07	67	12:24	75N	18:41	293	19:30
2025 Jul 03 (Thu)	05:18	06:07	67	12:24	75N	18:41	293	19:30
2025 Jul 04 (Fri)	05:18	06:08	67	12:24	75N	18:41	293	19:30
2025 Jul 05 (Sat)	05:19	06:08	67	12:24	76N	18:41	293	19:30
2025 Jul 06 (Sun)	05:19	06:08	67	12:25	76N	18:41	293	19:30
2025 Jul 07 (Mon)	05:19	06:08	67	12:25	76N	18:41	293	19:30
2025 Jul 08 (Tue)	05:19	06:09	67	12:25	76N	18:41	293	19:30

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

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

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

Sun

Phatthalung

Location: E100°02'59.9", N 7°35'20.4", 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)	06:10	06:33	113	12:23	60S	18:14	247	18:37
2025 Jan 02 (Thu)	06:10	06:33	113	12:24	60S	18:15	247	18:37
2025 Jan 03 (Fri)	06:11	06:33	113	12:24	60S	18:15	247	18:38
2025 Jan 04 (Sat)	06:11	06:34	113	12:25	60S	18:16	247	18:38
2025 Jan 05 (Sun)	06:12	06:34	113	12:25	61S	18:16	247	18:39
2025 Jan 06 (Mon)	06:12	06:35	113	12:26	61S	18:17	247	18:39
2025 Jan 07 (Tue)	06:12	06:35	112	12:26	61S	18:17	248	18:40
2025 Jan 08 (Wed)	06:13	06:35	112	12:26	61S	18:18	248	18:40
2025 Jan 09 (Thu)	06:13	06:36	112	12:27	61S	18:18	248	18:41
2025 Jan 10 (Fri)	06:13	06:36	112	12:27	61S	18:19	248	18:41
2025 Jan 11 (Sat)	06:14	06:36	112	12:28	61S	18:19	248	18:42
2025 Jan 12 (Sun)	06:14	06:37	112	12:28	62S	18:20	248	18:42

2025	Jan	13	(Mon)	06:14	06:37	112	12:28	62S	18:20	249	18:43
2025	Jan	14	(Tue)	06:15	06:37	111	12:29	62S	18:21	249	18:43
2025	Jan	15	(Wed)	06:15	06:37	111	12:29	62S	18:21	249	18:43
2025	Jan	16	(Thu)	06:15	06:38	111	12:30	62S	18:22	249	18:44
2025	Jan	17	(Fri)	06:16	06:38	111	12:30	62S	18:22	249	18:44
2025	Jan	18	(Sat)	06:16	06:38	111	12:30	63S	18:22	249	18:45
2025	Jan	19	(Sun)	06:16	06:38	110	12:31	63S	18:23	250	18:45
2025	Jan	20	(Mon)	06:16	06:38	110	12:31	63S	18:23	250	18:45
2025	Jan	21	(Tue)	06:16	06:38	110	12:31	63S	18:24	250	18:46
2025	Jan	22	(Wed)	06:17	06:39	110	12:31	64S	18:24	250	18:46
2025	Jan	23	(Thu)	06:17	06:39	110	12:32	64S	18:25	251	18:47
2025	Jan	24	(Fri)	06:17	06:39	109	12:32	64S	18:25	251	18:47
2025	Jan	25	(Sat)	06:17	06:39	109	12:32	64S	18:25	251	18:47
2025	Jan	26	(Sun)	06:17	06:39	109	12:32	64S	18:26	251	18:48
2025	Jan	27	(Mon)	06:17	06:39	109	12:33	65S	18:26	252	18:48
2025	Jan	28	(Tue)	06:17	06:39	108	12:33	65S	18:26	252	18:48
2025	Jan	29	(Wed)	06:17	06:39	108	12:33	65S	18:27	252	18:49
2025	Jan	30	(Thu)	06:17	06:39	108	12:33	66S	18:27	252	18:49
2025	Jan	31	(Fri)	06:17	06:39	107	12:33	66S	18:27	253	18:49
2025	Feb	01	(Sat)	06:17	06:39	107	12:33	66S	18:28	253	18:49
2025	Feb	02	(Sun)	06:17	06:39	107	12:33	66S	18:28	253	18:50
2025	Feb	03	(Mon)	06:17	06:39	107	12:34	67S	18:28	254	18:50
2025	Feb	04	(Tue)	06:17	06:39	106	12:34	67S	18:28	254	18:50
2025	Feb	05	(Wed)	06:17	06:39	106	12:34	67S	18:29	254	18:50
2025	Feb	06	(Thu)	06:17	06:39	106	12:34	68S	18:29	255	18:51
2025	Feb	07	(Fri)	06:17	06:39	105	12:34	68S	18:29	255	18:51
2025	Feb	08	(Sat)	06:17	06:39	105	12:34	68S	18:29	255	18:51
2025	Feb	09	(Sun)	06:17	06:38	105	12:34	69S	18:30	255	18:51
2025	Feb	10	(Mon)	06:17	06:38	104	12:34	69S	18:30	256	18:51
2025	Feb	11	(Tue)	06:17	06:38	104	12:34	69S	18:30	256	18:51
2025	Feb	12	(Wed)	06:17	06:38	104	12:34	70S	18:30	256	18:52
2025	Feb	13	(Thu)	06:16	06:38	103	12:34	70S	18:30	257	18:52
2025	Feb	14	(Fri)	06:16	06:38	103	12:34	70S	18:30	257	18:52
2025	Feb	15	(Sat)	06:16	06:37	103	12:34	71S	18:31	257	18:52
2025	Feb	16	(Sun)	06:16	06:37	102	12:34	71S	18:31	258	18:52
2025	Feb	17	(Mon)	06:16	06:37	102	12:34	71S	18:31	258	18:52
2025	Feb	18	(Tue)	06:15	06:37	102	12:34	72S	18:31	259	18:52
2025	Feb	19	(Wed)	06:15	06:36	101	12:34	72S	18:31	259	18:52
2025	Feb	20	(Thu)	06:15	06:36	101	12:33	72S	18:31	259	18:52
2025	Feb	21	(Fri)	06:14	06:36	101	12:33	73S	18:31	260	18:52
2025	Feb	22	(Sat)	06:14	06:35	100	12:33	73S	18:31	260	18:52
2025	Feb	23	(Sun)	06:14	06:35	100	12:33	73S	18:31	260	18:52
2025	Feb	24	(Mon)	06:14	06:35	99	12:33	74S	18:31	261	18:52
2025	Feb	25	(Tue)	06:13	06:34	99	12:33	74S	18:31	261	18:52
2025	Feb	26	(Wed)	06:13	06:34	99	12:33	74S	18:31	262	18:52
2025	Feb	27	(Thu)	06:13	06:34	98	12:32	75S	18:31	262	18:52
2025	Feb	28	(Fri)	06:12	06:33	98	12:32	75S	18:31	262	18:52
2025	Mar	01	(Sat)	06:12	06:33	98	12:32	76S	18:31	263	18:52
2025	Mar	02	(Sun)	06:11	06:32	97	12:32	76S	18:31	263	18:52
2025	Mar	03	(Mon)	06:11	06:32	97	12:32	76S	18:31	263	18:52
2025	Mar	04	(Tue)	06:11	06:32	96	12:31	77S	18:31	264	18:52
2025	Mar	05	(Wed)	06:10	06:31	96	12:31	77S	18:31	264	18:52
2025	Mar	06	(Thu)	06:10	06:31	96	12:31	78S	18:31	265	18:52
2025	Mar	07	(Fri)	06:09	06:30	95	12:31	78S	18:31	265	18:52
2025	Mar	08	(Sat)	06:09	06:30	95	12:31	78S	18:31	265	18:52
2025	Mar	09	(Sun)	06:09	06:29	94	12:30	79S	18:31	266	18:52
2025	Mar	10	(Mon)	06:08	06:29	94	12:30	79S	18:31	266	18:52
2025	Mar	11	(Tue)	06:08	06:28	94	12:30	80S	18:31	267	18:52
2025	Mar	12	(Wed)	06:07	06:28	93	12:30	80S	18:31	267	18:52
2025	Mar	13	(Thu)	06:07	06:28	93	12:29	80S	18:31	267	18:52
2025	Mar	14	(Fri)	06:06	06:27	92	12:29	81S	18:31	268	18:52
2025	Mar	15	(Sat)	06:06	06:27	92	12:29	81S	18:31	268	18:52
2025	Mar	16	(Sun)	06:05	06:26	92	12:28	81S	18:31	269	18:52
2025	Mar	17	(Mon)	06:05	06:26	91	12:28	82S	18:31	269	18:52
2025	Mar	18	(Tue)	06:04	06:25	91	12:28	82S	18:31	269	18:52
2025	Mar	19	(Wed)	06:04	06:25	90	12:28	83S	18:31	270	18:51
2025	Mar	20	(Thu)	06:03	06:24	90	12:27	83S	18:31	270	18:51

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

2025	May	27	(Tue)	05:39	06:01	68	12:17	77N	18:33	292	18:55
2025	May	28	(Wed)	05:39	06:01	68	12:17	77N	18:33	292	18:55
2025	May	29	(Thu)	05:39	06:01	68	12:17	77N	18:33	292	18:56
2025	May	30	(Fri)	05:39	06:02	68	12:17	76N	18:33	292	18:56
2025	May	31	(Sat)	05:39	06:02	68	12:17	76N	18:33	292	18:56
2025	Jun	01	(Sun)	05:39	06:02	68	12:18	76N	18:34	292	18:56
2025	Jun	02	(Mon)	05:39	06:02	67	12:18	76N	18:34	293	18:57
2025	Jun	03	(Tue)	05:39	06:02	67	12:18	76N	18:34	293	18:57
2025	Jun	04	(Wed)	05:39	06:02	67	12:18	76N	18:34	293	18:57
2025	Jun	05	(Thu)	05:39	06:02	67	12:18	76N	18:35	293	18:57
2025	Jun	06	(Fri)	05:39	06:02	67	12:18	76N	18:35	293	18:58
2025	Jun	07	(Sat)	05:39	06:02	67	12:19	76N	18:35	293	18:58
2025	Jun	08	(Sun)	05:40	06:02	67	12:19	75N	18:35	293	18:58
2025	Jun	09	(Mon)	05:40	06:02	67	12:19	75N	18:36	293	18:59
2025	Jun	10	(Tue)	05:40	06:03	67	12:19	75N	18:36	293	18:59
2025	Jun	11	(Wed)	05:40	06:03	67	12:19	75N	18:36	293	18:59
2025	Jun	12	(Thu)	05:40	06:03	67	12:20	75N	18:36	294	18:59
2025	Jun	13	(Fri)	05:40	06:03	66	12:20	75N	18:37	294	19:00
2025	Jun	14	(Sat)	05:40	06:03	66	12:20	75N	18:37	294	19:00
2025	Jun	15	(Sun)	05:41	06:03	66	12:20	75N	18:37	294	19:00
2025	Jun	16	(Mon)	05:41	06:04	66	12:21	75N	18:37	294	19:00
2025	Jun	17	(Tue)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2025	Jun	18	(Wed)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2025	Jun	19	(Thu)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2025	Jun	20	(Fri)	05:42	06:04	66	12:21	75N	18:38	294	19:01
2025	Jun	21	(Sat)	05:42	06:05	66	12:22	75N	18:39	294	19:01
2025	Jun	22	(Sun)	05:42	06:05	66	12:22	75N	18:39	294	19:02
2025	Jun	23	(Mon)	05:42	06:05	66	12:22	75N	18:39	294	19:02
2025	Jun	24	(Tue)	05:42	06:05	66	12:22	75N	18:39	294	19:02
2025	Jun	25	(Wed)	05:43	06:06	66	12:22	75N	18:39	294	19:02
2025	Jun	26	(Thu)	05:43	06:06	66	12:23	75N	18:40	294	19:02
2025	Jun	27	(Fri)	05:43	06:06	66	12:23	75N	18:40	294	19:03
2025	Jun	28	(Sat)	05:43	06:06	66	12:23	75N	18:40	294	19:03
2025	Jun	29	(Sun)	05:44	06:07	66	12:23	75N	18:40	294	19:03
2025	Jun	30	(Mon)	05:44	06:07	66	12:24	75N	18:40	293	19:03
2025	Jul	01	(Tue)	05:44	06:07	67	12:24	75N	18:40	293	19:03
2025	Jul	02	(Wed)	05:44	06:07	67	12:24	75N	18:41	293	19:03
2025	Jul	03	(Thu)	05:45	06:07	67	12:24	75N	18:41	293	19:03
2025	Jul	04	(Fri)	05:45	06:08	67	12:24	75N	18:41	293	19:04
2025	Jul	05	(Sat)	05:45	06:08	67	12:24	76N	18:41	293	19:04
2025	Jul	06	(Sun)	05:45	06:08	67	12:25	76N	18:41	293	19:04
2025	Jul	07	(Mon)	05:46	06:08	67	12:25	76N	18:41	293	19:04
2025	Jul	08	(Tue)	05:46	06:09	67	12:25	76N	18:41	293	19:04
2025	Jul	09	(Wed)	05:46	06:09	67	12:25	76N	18:41	293	19:04
2025	Jul	10	(Thu)	05:46	06:09	67	12:25	76N	18:41	292	19:04
2025	Jul	11	(Fri)	05:47	06:09	68	12:25	76N	18:41	292	19:04
2025	Jul	12	(Sat)	05:47	06:10	68	12:25	76N	18:41	292	19:04
2025	Jul	13	(Sun)	05:47	06:10	68	12:26	77N	18:41	292	19:04
2025	Jul	14	(Mon)	05:47	06:10	68	12:26	77N	18:41	292	19:04
2025	Jul	15	(Tue)	05:48	06:10	68	12:26	77N	18:41	292	19:04
2025	Jul	16	(Wed)	05:48	06:10	68	12:26	77N	18:41	292	19:04
2025	Jul	17	(Thu)	05:48	06:11	68	12:26	77N	18:41	291	19:04
2025	Jul	18	(Fri)	05:48	06:11	69	12:26	77N	18:41	291	19:04
2025	Jul	19	(Sat)	05:48	06:11	69	12:26	78N	18:41	291	19:04
2025	Jul	20	(Sun)	05:49	06:11	69	12:26	78N	18:41	291	19:04
2025	Jul	21	(Mon)	05:49	06:11	69	12:26	78N	18:41	291	19:04
2025	Jul	22	(Tue)	05:49	06:11	69	12:26	78N	18:41	290	19:03
2025	Jul	23	(Wed)	05:49	06:12	70	12:26	78N	18:41	290	19:03
2025	Jul	24	(Thu)	05:49	06:12	70	12:26	78N	18:41	290	19:03
2025	Jul	25	(Fri)	05:50	06:12	70	12:26	79N	18:41	290	19:03
2025	Jul	26	(Sat)	05:50	06:12	70	12:26	79N	18:41	290	19:03
2025	Jul	27	(Sun)	05:50	06:12	70	12:26	79N	18:40	289	19:03
2025	Jul	28	(Mon)	05:50	06:12	71	12:26	79N	18:40	289	19:02
2025	Jul	29	(Tue)	05:50	06:12	71	12:26	80N	18:40	289	19:02
2025	Jul	30	(Wed)	05:50	06:13	71	12:26	80N	18:40	289	19:02
2025	Jul	31	(Thu)	05:51	06:13	71	12:26	80N	18:40	288	19:02
2025	Aug	01	(Fri)	05:51	06:13	72	12:26	80N	18:40	288	19:02

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

2025	Oct	08	(Wed)	05:46	06:07	96	12:07	77S	18:07	264	18:28
2025	Oct	09	(Thu)	05:46	06:07	96	12:07	77S	18:07	264	18:28
2025	Oct	10	(Fri)	05:46	06:07	97	12:07	76S	18:06	263	18:27
2025	Oct	11	(Sat)	05:46	06:07	97	12:07	76S	18:06	263	18:27
2025	Oct	12	(Sun)	05:46	06:07	97	12:06	76S	18:06	262	18:27
2025	Oct	13	(Mon)	05:46	06:07	98	12:06	75S	18:05	262	18:26
2025	Oct	14	(Tue)	05:46	06:07	98	12:06	75S	18:05	262	18:26
2025	Oct	15	(Wed)	05:46	06:07	98	12:06	75S	18:04	261	18:25
2025	Oct	16	(Thu)	05:46	06:07	99	12:05	74S	18:04	261	18:25
2025	Oct	17	(Fri)	05:46	06:07	99	12:05	74S	18:03	261	18:25
2025	Oct	18	(Sat)	05:46	06:07	100	12:05	73S	18:03	260	18:24
2025	Oct	19	(Sun)	05:46	06:07	100	12:05	73S	18:03	260	18:24
2025	Oct	20	(Mon)	05:46	06:07	100	12:05	73S	18:02	260	18:23
2025	Oct	21	(Tue)	05:46	06:07	101	12:04	72S	18:02	259	18:23
2025	Oct	22	(Wed)	05:46	06:07	101	12:04	72S	18:02	259	18:23
2025	Oct	23	(Thu)	05:46	06:07	101	12:04	72S	18:01	258	18:23
2025	Oct	24	(Fri)	05:46	06:07	102	12:04	71S	18:01	258	18:22
2025	Oct	25	(Sat)	05:46	06:07	102	12:04	71S	18:01	258	18:22
2025	Oct	26	(Sun)	05:46	06:07	102	12:04	71S	18:00	257	18:22
2025	Oct	27	(Mon)	05:46	06:07	103	12:04	70S	18:00	257	18:21
2025	Oct	28	(Tue)	05:46	06:07	103	12:04	70S	18:00	257	18:21
2025	Oct	29	(Wed)	05:46	06:07	103	12:04	70S	18:00	256	18:21
2025	Oct	30	(Thu)	05:46	06:08	104	12:03	69S	17:59	256	18:21
2025	Oct	31	(Fri)	05:46	06:08	104	12:03	69S	17:59	256	18:21
2025	Nov	01	(Sat)	05:46	06:08	104	12:03	69S	17:59	255	18:20
2025	Nov	02	(Sun)	05:46	06:08	105	12:03	68S	17:59	255	18:20
2025	Nov	03	(Mon)	05:47	06:08	105	12:03	68S	17:59	255	18:20
2025	Nov	04	(Tue)	05:47	06:08	105	12:03	68S	17:58	254	18:20
2025	Nov	05	(Wed)	05:47	06:08	106	12:03	67S	17:58	254	18:20
2025	Nov	06	(Thu)	05:47	06:09	106	12:03	67S	17:58	254	18:20
2025	Nov	07	(Fri)	05:47	06:09	106	12:03	67S	17:58	254	18:20
2025	Nov	08	(Sat)	05:47	06:09	107	12:04	66S	17:58	253	18:20
2025	Nov	09	(Sun)	05:48	06:09	107	12:04	66S	17:58	253	18:20
2025	Nov	10	(Mon)	05:48	06:10	107	12:04	66S	17:58	253	18:20
2025	Nov	11	(Tue)	05:48	06:10	107	12:04	66S	17:58	252	18:20
2025	Nov	12	(Wed)	05:48	06:10	108	12:04	65S	17:58	252	18:20
2025	Nov	13	(Thu)	05:49	06:10	108	12:04	65S	17:58	252	18:20
2025	Nov	14	(Fri)	05:49	06:11	108	12:04	65S	17:58	252	18:20
2025	Nov	15	(Sat)	05:49	06:11	109	12:04	65S	17:58	251	18:20
2025	Nov	16	(Sun)	05:49	06:11	109	12:05	64S	17:58	251	18:20
2025	Nov	17	(Mon)	05:50	06:12	109	12:05	64S	17:58	251	18:20
2025	Nov	18	(Tue)	05:50	06:12	109	12:05	64S	17:58	251	18:20
2025	Nov	19	(Wed)	05:50	06:12	110	12:05	64S	17:58	250	18:20
2025	Nov	20	(Thu)	05:51	06:13	110	12:05	63S	17:58	250	18:20
2025	Nov	21	(Fri)	05:51	06:13	110	12:06	63S	17:58	250	18:20
2025	Nov	22	(Sat)	05:51	06:13	110	12:06	63S	17:58	250	18:20
2025	Nov	23	(Sun)	05:52	06:14	110	12:06	63S	17:58	249	18:21
2025	Nov	24	(Mon)	05:52	06:14	111	12:06	63S	17:59	249	18:21
2025	Nov	25	(Tue)	05:52	06:15	111	12:07	62S	17:59	249	18:21
2025	Nov	26	(Wed)	05:53	06:15	111	12:07	62S	17:59	249	18:21
2025	Nov	27	(Thu)	05:53	06:16	111	12:07	62S	17:59	249	18:22
2025	Nov	28	(Fri)	05:54	06:16	111	12:08	62S	17:59	249	18:22
2025	Nov	29	(Sat)	05:54	06:16	112	12:08	62S	18:00	248	18:22
2025	Nov	30	(Sun)	05:54	06:17	112	12:08	61S	18:00	248	18:22
2025	Dec	01	(Mon)	05:55	06:17	112	12:09	61S	18:00	248	18:23
2025	Dec	02	(Tue)	05:55	06:18	112	12:09	61S	18:01	248	18:23
2025	Dec	03	(Wed)	05:56	06:18	112	12:10	61S	18:01	248	18:23
2025	Dec	04	(Thu)	05:56	06:19	112	12:10	61S	18:01	248	18:24
2025	Dec	05	(Fri)	05:57	06:19	112	12:10	61S	18:02	247	18:24
2025	Dec	06	(Sat)	05:57	06:20	113	12:11	61S	18:02	247	18:24
2025	Dec	07	(Sun)	05:58	06:20	113	12:11	60S	18:02	247	18:25
2025	Dec	08	(Mon)	05:58	06:21	113	12:12	60S	18:03	247	18:25
2025	Dec	09	(Tue)	05:59	06:21	113	12:12	60S	18:03	247	18:26
2025	Dec	10	(Wed)	05:59	06:22	113	12:13	60S	18:03	247	18:26
2025	Dec	11	(Thu)	06:00	06:22	113	12:13	60S	18:04	247	18:26
2025	Dec	12	(Fri)	06:00	06:23	113	12:13	60S	18:04	247	18:27
2025	Dec	13	(Sat)	06:01	06:23	113	12:14	60S	18:05	247	18:27

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

Moon

Phatthalung

Location: E100°02'59.9", N 7°35'20.4", 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)	07:40	116		13:38	58S		19:37	246	
2025 Jan 02 (Thu)	08:32	112		14:32	62S		20:34	250	
2025 Jan 03 (Fri)	09:22	107		15:24	67S		21:28	256	
2025 Jan 04 (Sat)	10:08	101		16:13	74S		22:20	262	
2025 Jan 05 (Sun)	10:52	94		17:00	80S		23:11	269	
2025 Jan 06 (Mon)	11:35	87		17:47	87S				
2025 Jan 07 (Tue)	12:19	81		18:36	87N		00:02	276	
2025 Jan 08 (Wed)	13:05	74		19:26	81N		00:55	283	
2025 Jan 09 (Thu)	13:55	69		20:21	76N		01:50	289	
2025 Jan 10 (Fri)	14:50	64		21:19	72N		02:48	294	
2025 Jan 11 (Sat)	15:48	62		22:20	70N		03:49	297	
2025 Jan 12 (Sun)	16:50	61		23:21	70N		04:52	299	
2025 Jan 13 (Mon)	17:51	63					05:53	298	
2025 Jan 14 (Tue)	18:49	66		00:21	72N		06:49	296	
2025 Jan 15 (Wed)	19:43	70		01:16	75N		07:41	292	
2025 Jan 16 (Thu)	20:33	75		02:06	80N		08:27	287	
2025 Jan 17 (Fri)	21:19	81		02:52	85N		09:09	282	
2025 Jan 18 (Sat)	22:03	87		03:34	90S		09:47	276	
2025 Jan 19 (Sun)	22:46	93		04:14	84S		10:24	270	
2025 Jan 20 (Mon)	23:28	99		04:54	79S		11:00	264	
2025 Jan 21 (Tue)				05:33	73S		11:37	258	
2025 Jan 22 (Wed)	00:12	104		06:14	67S		12:15	253	
2025 Jan 23 (Thu)	00:58	109		06:58	63S		12:56	249	
2025 Jan 24 (Fri)	01:46	113		07:45	59S		13:42	245	
2025 Jan 25 (Sat)	02:38	117		08:35	56S		14:32	242	
2025 Jan 26 (Sun)	03:34	118		09:30	54S		15:26	241	
2025 Jan 27 (Mon)	04:30	119		10:27	54S		16:24	242	
2025 Jan 28 (Tue)	05:27	117		11:25	56S		17:23	244	
2025 Jan 29 (Wed)	06:22	114		12:21	60S		18:22	248	
2025 Jan 30 (Thu)	07:14	109		13:15	65S		19:19	253	
2025 Jan 31 (Fri)	08:02	103		14:07	71S		20:13	260	
2025 Feb 01 (Sat)	08:48	97		14:56	78S		21:06	267	
2025 Feb 02 (Sun)	09:33	89		15:44	85S		21:58	274	
2025 Feb 03 (Mon)	10:17	82		16:33	89N		22:51	281	
2025 Feb 04 (Tue)	11:03	76		17:23	82N		23:45	287	
2025 Feb 05 (Wed)	11:52	70		18:16	77N				
2025 Feb 06 (Thu)	12:45	65		19:13	73N		00:43	293	

2025 Feb 07 (Fri)	13:41 62	20:12 70N	01:42 296
2025 Feb 08 (Sat)	14:40 61	21:12 69N	02:43 299
2025 Feb 09 (Sun)	15:40 62	22:11 71N	03:44 299
2025 Feb 10 (Mon)	16:39 64	23:07 73N	04:41 297
2025 Feb 11 (Tue)	17:34 68	23:58 78N	05:33 294
2025 Feb 12 (Wed)	18:25 73		06:21 289
2025 Feb 13 (Thu)	19:12 79	00:45 83N	07:04 284
2025 Feb 14 (Fri)	19:57 85	01:29 89N	07:43 278
2025 Feb 15 (Sat)	20:40 91	02:10 87S	08:21 272
2025 Feb 16 (Sun)	21:23 97	02:49 81S	08:57 266
2025 Feb 17 (Mon)	22:06 102	03:29 75S	09:33 261
2025 Feb 18 (Tue)	22:51 107	04:09 69S	10:11 255
2025 Feb 19 (Wed)	23:38 112	04:51 64S	10:51 250
2025 Feb 20 (Thu)		05:36 60S	11:34 246
2025 Feb 21 (Fri)	00:28 116	06:25 57S	12:21 243
2025 Feb 22 (Sat)	01:21 118	07:17 55S	13:13 241
2025 Feb 23 (Sun)	02:16 119	08:12 54S	14:08 241
2025 Feb 24 (Mon)	03:12 118	09:09 55S	15:06 243
2025 Feb 25 (Tue)	04:07 116	10:06 58S	16:05 246
2025 Feb 26 (Wed)	05:00 112	11:01 62S	17:03 251
2025 Feb 27 (Thu)	05:51 106	11:54 68S	17:59 257
2025 Feb 28 (Fri)	06:38 100	12:45 75S	18:53 264
2025 Mar 01 (Sat)	07:25 93	13:35 82S	19:47 271
2025 Mar 02 (Sun)	08:11 85	14:25 90S	20:42 278
2025 Mar 03 (Mon)	08:58 78	15:17 85N	21:38 285
2025 Mar 04 (Tue)	09:47 72	16:10 78N	22:36 291
2025 Mar 05 (Wed)	10:40 67	17:07 74N	23:36 296
2025 Mar 06 (Thu)	11:36 63	18:06 70N	
2025 Mar 07 (Fri)	12:35 61	19:07 69N	00:38 298
2025 Mar 08 (Sat)	13:35 61	20:06 70N	01:39 299
2025 Mar 09 (Sun)	14:33 63	21:02 72N	02:36 298
2025 Mar 10 (Mon)	15:28 67	21:54 76N	03:29 295
2025 Mar 11 (Tue)	16:20 71	22:42 81N	04:18 291
2025 Mar 12 (Wed)	17:08 77	23:26 86N	05:01 286
2025 Mar 13 (Thu)	17:53 82		05:42 280
2025 Mar 14 (Fri)	18:37 88	00:07 89S	06:19 275
2025 Mar 15 (Sat)	19:19 94	00:47 83S	06:56 269
2025 Mar 16 (Sun)	20:02 100	01:26 77S	07:32 263
2025 Mar 17 (Mon)	20:46 106	02:06 71S	08:09 257
2025 Mar 18 (Tue)	21:32 110	02:48 66S	08:48 252
2025 Mar 19 (Wed)	22:21 114	03:31 61S	09:30 248
2025 Mar 20 (Thu)	23:12 117	04:18 58S	10:15 244
2025 Mar 21 (Fri)		05:08 55S	11:04 242
2025 Mar 22 (Sat)	00:05 119	06:01 54S	11:57 241
2025 Mar 23 (Sun)	01:00 119	06:56 54S	12:52 242
2025 Mar 24 (Mon)	01:54 117	07:51 56S	13:49 244
2025 Mar 25 (Tue)	02:47 114	08:46 60S	14:46 248
2025 Mar 26 (Wed)	03:37 109	09:39 65S	15:42 253
2025 Mar 27 (Thu)	04:25 103	10:30 71S	16:36 260
2025 Mar 28 (Fri)	05:12 97	11:20 78S	17:31 267
2025 Mar 29 (Sat)	05:58 89	12:11 86S	18:26 275
2025 Mar 30 (Sun)	06:46 82	13:03 88N	19:22 282
2025 Mar 31 (Mon)	07:35 75	13:57 81N	20:21 289
2025 Apr 01 (Tue)	08:29 69	14:55 76N	21:23 294
2025 Apr 02 (Wed)	09:26 64	15:56 71N	22:27 297
2025 Apr 03 (Thu)	10:26 62	16:58 69N	23:30 299
2025 Apr 04 (Fri)	11:27 61	17:59 70N	
2025 Apr 05 (Sat)	12:28 63	18:57 71N	00:31 298
2025 Apr 06 (Sun)	13:24 66	19:51 75N	01:26 296
2025 Apr 07 (Mon)	14:17 70	20:40 79N	02:16 292
2025 Apr 08 (Tue)	15:06 75	21:25 85N	03:01 288
2025 Apr 09 (Wed)	15:51 81	22:06 90N	03:42 282
2025 Apr 10 (Thu)	16:35 86	22:46 85S	04:20 276
2025 Apr 11 (Fri)	17:17 92	23:26 79S	04:56 271
2025 Apr 12 (Sat)	18:00 98		05:32 265
2025 Apr 13 (Sun)	18:43 104	00:05 73S	06:09 259
2025 Apr 14 (Mon)	19:29 109	00:46 68S	06:47 254

2025 Apr 15 (Tue)	20:16 113	01:29 63S	07:28 249
2025 Apr 16 (Wed)	21:07 116	02:15 59S	08:12 245
2025 Apr 17 (Thu)	21:59 118	03:03 56S	08:59 243
2025 Apr 18 (Fri)	22:53 119	03:55 54S	09:51 241
2025 Apr 19 (Sat)	23:46 118	04:48 54S	10:44 241
2025 Apr 20 (Sun)		05:43 55S	11:40 243
2025 Apr 21 (Mon)	00:38 115	06:36 58S	12:35 246
2025 Apr 22 (Tue)	01:28 111	07:28 63S	13:29 251
2025 Apr 23 (Wed)	02:15 106	08:18 68S	14:22 257
2025 Apr 24 (Thu)	03:01 100	09:07 75S	15:15 263
2025 Apr 25 (Fri)	03:46 93	09:56 82S	16:08 271
2025 Apr 26 (Sat)	04:32 86	10:46 89S	17:03 278
2025 Apr 27 (Sun)	05:20 78	11:39 85N	18:01 285
2025 Apr 28 (Mon)	06:12 72	12:36 78N	19:03 291
2025 Apr 29 (Tue)	07:08 66	13:37 73N	20:07 296
2025 Apr 30 (Wed)	08:09 63	14:41 70N	21:13 298
2025 May 01 (Thu)	09:13 61	15:45 69N	22:18 299
2025 May 02 (Fri)	10:16 62	16:47 71N	23:17 297
2025 May 03 (Sat)	11:16 64	17:44 74N	
2025 May 04 (Sun)	12:12 68	18:36 78N	00:11 294
2025 May 05 (Mon)	13:03 73	19:23 83N	00:59 289
2025 May 06 (Tue)	13:50 79	20:06 89N	01:41 284
2025 May 07 (Wed)	14:34 85	20:46 87S	02:20 278
2025 May 08 (Thu)	15:16 91	21:25 81S	02:57 272
2025 May 09 (Fri)	15:59 96	22:05 75S	03:33 266
2025 May 10 (Sat)	16:42 102	22:45 70S	04:09 261
2025 May 11 (Sun)	17:26 107	23:27 65S	04:47 255
2025 May 12 (Mon)	18:13 112		05:27 251
2025 May 13 (Tue)	19:03 115	00:12 60S	06:10 246
2025 May 14 (Wed)	19:55 118	01:00 57S	06:56 243
2025 May 15 (Thu)	20:48 119	01:51 55S	07:47 242
2025 May 16 (Fri)	21:42 118	02:44 54S	08:40 241
2025 May 17 (Sat)	22:34 116	03:38 55S	09:35 243
2025 May 18 (Sun)	23:23 113	04:31 57S	10:29 245
2025 May 19 (Mon)		05:22 61S	11:23 249
2025 May 20 (Tue)	00:10 108	06:12 66S	12:15 255
2025 May 21 (Wed)	00:55 102	07:00 72S	13:06 261
2025 May 22 (Thu)	01:39 96	07:47 79S	13:57 268
2025 May 23 (Fri)	02:23 89	08:35 86S	14:49 275
2025 May 24 (Sat)	03:08 82	09:25 88N	15:44 282
2025 May 25 (Sun)	03:57 75	10:18 81N	16:42 288
2025 May 26 (Mon)	04:50 69	11:16 76N	17:45 294
2025 May 27 (Tue)	05:49 64	12:19 72N	18:51 297
2025 May 28 (Wed)	06:52 62	13:25 70N	19:58 299
2025 May 29 (Thu)	07:57 61	14:30 70N	21:01 298
2025 May 30 (Fri)	09:01 63	15:31 72N	22:00 295
2025 May 31 (Sat)	10:00 67	16:27 76N	22:51 291
2025 Jun 01 (Sun)	10:55 71	17:17 81N	23:37 286
2025 Jun 02 (Mon)	11:44 77	18:02 87N	
2025 Jun 03 (Tue)	12:30 83	18:44 89S	00:18 280
2025 Jun 04 (Wed)	13:14 89	19:24 83S	00:56 274
2025 Jun 05 (Thu)	13:56 95	20:03 77S	01:33 268
2025 Jun 06 (Fri)	14:39 100	20:43 71S	02:09 263
2025 Jun 07 (Sat)	15:23 106	21:25 66S	02:46 257
2025 Jun 08 (Sun)	16:09 110	22:09 62S	03:25 252
2025 Jun 09 (Mon)	16:58 114	22:56 58S	04:07 248
2025 Jun 10 (Tue)	17:50 117	23:46 55S	04:53 244
2025 Jun 11 (Wed)	18:43 119		05:42 242
2025 Jun 12 (Thu)	19:37 118	00:39 54S	06:35 241
2025 Jun 13 (Fri)	20:30 117	01:34 55S	07:30 242
2025 Jun 14 (Sat)	21:21 114	02:27 57S	08:25 244
2025 Jun 15 (Sun)	22:09 109	03:20 60S	09:19 248
2025 Jun 16 (Mon)	22:54 104	04:09 65S	10:11 253
2025 Jun 17 (Tue)	23:37 98	04:57 70S	11:02 259
2025 Jun 18 (Wed)		05:43 77S	11:52 266
2025 Jun 19 (Thu)	00:19 91	06:30 84S	12:42 272
2025 Jun 20 (Fri)	01:02 84	07:17 91	13:34 279

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

2025 Aug 27 (Wed)	09:07 100	15:11 72S	21:14 258
2025 Aug 28 (Thu)	09:51 105	15:53 66S	21:53 252
2025 Aug 29 (Fri)	10:37 110	16:37 62S	22:35 248
2025 Aug 30 (Sat)	11:26 114	17:23 58S	23:20 244
2025 Aug 31 (Sun)	12:16 117	18:13 55S	
2025 Sep 01 (Mon)	13:09 119	19:05 54S	00:08 242
2025 Sep 02 (Tue)	14:03 119	19:58 54S	01:00 241
2025 Sep 03 (Wed)	14:56 117	20:53 56S	01:54 242
2025 Sep 04 (Thu)	15:48 115	21:46 59S	02:50 244
2025 Sep 05 (Fri)	16:37 110	22:38 64S	03:45 247
2025 Sep 06 (Sat)	17:24 105	23:28 70S	04:40 252
2025 Sep 07 (Sun)	18:09 98		05:33 259
2025 Sep 08 (Mon)	18:54 91	00:16 77S	06:25 265
2025 Sep 09 (Tue)	19:39 84	01:05 84S	07:18 273
2025 Sep 10 (Wed)	20:26 77	01:54 90N	08:11 280
2025 Sep 11 (Thu)	21:16 71	02:45 83N	09:07 286
2025 Sep 12 (Fri)	22:10 66	03:40 78N	10:06 292
2025 Sep 13 (Sat)	23:08 62	04:38 73N	11:08 296
2025 Sep 14 (Sun)		05:39 70N	12:11 298
2025 Sep 15 (Mon)	00:09 61	06:41 69N	13:13 299
2025 Sep 16 (Tue)	01:10 62	07:41 71N	14:12 297
2025 Sep 17 (Wed)	02:10 64	08:39 73N	15:05 294
2025 Sep 18 (Thu)	03:06 68	09:31 78N	15:54 289
2025 Sep 19 (Fri)	03:59 73	10:19 83N	16:38 284
2025 Sep 20 (Sat)	04:47 79	11:04 89N	17:18 278
2025 Sep 21 (Sun)	05:33 85	11:46 86S	17:57 272
2025 Sep 22 (Mon)	06:18 91	12:27 80S	18:34 266
2025 Sep 23 (Tue)	07:02 97	13:07 74S	19:12 260
2025 Sep 24 (Wed)	07:46 103	13:49 68S	19:50 254
2025 Sep 25 (Thu)	08:32 108	14:32 64S	20:31 250
2025 Sep 26 (Fri)	09:19 113	15:17 59S	21:14 246
2025 Sep 27 (Sat)	10:09 116	16:05 56S	22:01 243
2025 Sep 28 (Sun)	11:00 118	16:56 54S	22:51 241
2025 Sep 29 (Mon)	11:53 119	17:48 54S	23:44 241
2025 Sep 30 (Tue)	12:45 118	18:41 55S	
2025 Oct 01 (Wed)	13:36 116	19:34 58S	00:38 243
2025 Oct 02 (Thu)	14:26 112	20:25 62S	01:32 246
2025 Oct 03 (Fri)	15:13 107	21:15 67S	02:26 250
2025 Oct 04 (Sat)	15:59 101	22:04 73S	03:19 255
2025 Oct 05 (Sun)	16:43 95	22:52 80S	04:11 262
2025 Oct 06 (Mon)	17:28 87	23:41 88S	05:03 269
2025 Oct 07 (Tue)	18:15 80		05:57 276
2025 Oct 08 (Wed)	19:05 73	00:33 87N	06:53 283
2025 Oct 09 (Thu)	19:59 68	01:28 80N	07:52 290
2025 Oct 10 (Fri)	20:58 64	02:26 75N	08:55 295
2025 Oct 11 (Sat)	22:00 61	03:29 71N	10:00 298
2025 Oct 12 (Sun)	23:03 61	04:32 69N	11:05 299
2025 Oct 13 (Mon)		05:35 70N	12:06 298
2025 Oct 14 (Tue)	00:05 63	06:34 72N	13:02 295
2025 Oct 15 (Wed)	01:03 67	07:28 76N	13:52 291
2025 Oct 16 (Thu)	01:56 72	08:17 81N	14:37 285
2025 Oct 17 (Fri)	02:45 77	09:03 87N	15:18 280
2025 Oct 18 (Sat)	03:31 83	09:45 88S	15:57 274
2025 Oct 19 (Sun)	04:16 89	10:26 82S	16:34 268
2025 Oct 20 (Mon)	04:59 95	11:06 76S	17:11 262
2025 Oct 21 (Tue)	05:43 101	11:47 70S	17:49 256
2025 Oct 22 (Wed)	06:28 106	12:29 65S	18:29 251
2025 Oct 23 (Thu)	07:14 111	13:13 61S	19:11 247
2025 Oct 24 (Fri)	08:03 115	14:00 57S	19:57 244
2025 Oct 25 (Sat)	08:54 117	14:50 55S	20:46 242
2025 Oct 26 (Sun)	09:46 119	15:41 54S	21:37 241
2025 Oct 27 (Mon)	10:38 118	16:34 55S	22:30 242
2025 Oct 28 (Tue)	11:29 117	17:25 57S	23:23 244
2025 Oct 29 (Wed)	12:18 114	18:16 60S	
2025 Oct 30 (Thu)	13:04 110	19:05 65S	00:15 248
2025 Oct 31 (Fri)	13:49 104	19:52 70S	01:07 253
2025 Nov 01 (Sat)	14:33 98	20:39 77S	01:57 259

2025 Nov 02 (Sun)	15:16 91	21:27 84S	02:48 265
2025 Nov 03 (Mon)	16:01 84	22:17 90N	03:40 272
2025 Nov 04 (Tue)	16:49 77	23:10 83N	04:34 280
2025 Nov 05 (Wed)	17:42 71		05:32 286
2025 Nov 06 (Thu)	18:40 65	00:07 77N	06:34 292
2025 Nov 07 (Fri)	19:43 62	01:09 73N	07:40 296
2025 Nov 08 (Sat)	20:48 61	02:15 70N	08:48 298
2025 Nov 09 (Sun)	21:53 63	03:21 70N	09:54 298
2025 Nov 10 (Mon)	22:55 66	04:24 72N	10:54 296
2025 Nov 11 (Tue)	23:51 70	05:22 75N	11:48 292
2025 Nov 12 (Wed)		06:14 80N	12:35 287
2025 Nov 13 (Thu)	00:42 76	07:01 85N	13:18 281
2025 Nov 14 (Fri)	01:30 82	07:44 90S	13:57 275
2025 Nov 15 (Sat)	02:14 88	08:25 84S	14:35 269
2025 Nov 16 (Sun)	02:58 94	09:05 78S	15:12 263
2025 Nov 17 (Mon)	03:41 99	09:46 72S	15:49 258
2025 Nov 18 (Tue)	04:25 105	10:27 67S	16:28 253
2025 Nov 19 (Wed)	05:11 110	11:11 62S	17:10 248
2025 Nov 20 (Thu)	05:59 114	11:57 58S	17:54 245
2025 Nov 21 (Fri)	06:50 117	12:46 56S	18:42 242
2025 Nov 22 (Sat)	07:41 118	13:37 54S	19:33 241
2025 Nov 23 (Sun)	08:34 119	14:29 55S	20:25 242
2025 Nov 24 (Mon)	09:25 117	15:21 56S	21:18 244
2025 Nov 25 (Tue)	10:14 115	16:11 59S	22:10 247
2025 Nov 26 (Wed)	11:00 111	17:00 63S	23:00 251
2025 Nov 27 (Thu)	11:44 106	17:46 68S	23:50 257
2025 Nov 28 (Fri)	12:27 100	18:32 74S	
2025 Nov 29 (Sat)	13:08 94	19:17 81S	00:38 263
2025 Nov 30 (Sun)	13:51 87	20:04 88S	01:28 269
2025 Dec 01 (Mon)	14:36 80	20:53 87N	02:19 276
2025 Dec 02 (Tue)	15:25 74	21:47 80N	03:13 283
2025 Dec 03 (Wed)	16:19 68	22:46 75N	04:11 289
2025 Dec 04 (Thu)	17:19 64	23:50 71N	05:15 294
2025 Dec 05 (Fri)	18:25 62		06:23 298
2025 Dec 06 (Sat)	19:32 62	00:58 70N	07:31 298
2025 Dec 07 (Sun)	20:38 64	02:05 71N	08:36 297
2025 Dec 08 (Mon)	21:39 68	03:07 73N	09:35 294
2025 Dec 09 (Tue)	22:34 74	04:04 78N	10:27 289
2025 Dec 10 (Wed)	23:24 80	04:55 83N	11:14 283
2025 Dec 11 (Thu)		05:41 89N	11:55 277
2025 Dec 12 (Fri)	00:11 86	06:23 86S	12:34 271
2025 Dec 13 (Sat)	00:55 92	07:04 80S	13:11 265
2025 Dec 14 (Sun)	01:39 98	07:45 74S	13:49 259
2025 Dec 15 (Mon)	02:23 103	08:26 68S	14:27 254
2025 Dec 16 (Tue)	03:08 108	09:09 64S	15:08 250
2025 Dec 17 (Wed)	03:56 112	09:54 60S	15:51 246
2025 Dec 18 (Thu)	04:45 116	10:42 57S	16:38 243
2025 Dec 19 (Fri)	05:37 118	11:33 55S	17:28 242
2025 Dec 20 (Sat)	06:29 119	12:25 54S	18:21 242
2025 Dec 21 (Sun)	07:21 118	13:17 56S	19:14 243
2025 Dec 22 (Mon)	08:11 116	14:08 58S	20:06 246
2025 Dec 23 (Tue)	08:58 112	14:57 62S	20:57 250
2025 Dec 24 (Wed)	09:43 107	15:44 67S	21:47 255
2025 Dec 25 (Thu)	10:25 102	16:29 72S	22:35 261
2025 Dec 26 (Fri)	11:06 96	17:14 79S	23:23 267
2025 Dec 27 (Sat)	11:47 89	17:58 85S	
2025 Dec 28 (Sun)	12:29 83	18:45 89N	00:11 274
2025 Dec 29 (Mon)	13:15 76	19:34 83N	01:02 281
2025 Dec 30 (Tue)	14:04 70	20:29 77N	01:56 287
2025 Dec 31 (Wed)	15:00 66	21:29 73N	02:55 292