

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
2024 Jan 01 (Mon)	05:43	06:32 113		12:23 60S	18:14 247		19:03
2024 Jan 02 (Tue)	05:44	06:33 113		12:23 60S	18:14 247		19:03
2024 Jan 03 (Wed)	05:44	06:33 113		12:24 60S	18:15 247		19:04
2024 Jan 04 (Thu)	05:45	06:33 113		12:24 60S	18:15 247		19:04
2024 Jan 05 (Fri)	05:45	06:34 113		12:25 60S	18:16 247		19:05
2024 Jan 06 (Sat)	05:46	06:34 113		12:25 61S	18:16 247		19:05
2024 Jan 07 (Sun)	05:46	06:35 113		12:26 61S	18:17 248		19:05
2024 Jan 08 (Mon)	05:46	06:35 112		12:26 61S	18:17 248		19:06
2024 Jan 09 (Tue)	05:47	06:35 112		12:27 61S	18:18 248		19:06
2024 Jan 10 (Wed)	05:47	06:36 112		12:27 61S	18:18 248		19:07
2024 Jan 11 (Thu)	05:48	06:36 112		12:27 61S	18:19 248		19:07
2024 Jan 12 (Fri)	05:48	06:36 112		12:28 61S	18:19 248		19:08
2024 Jan 13 (Sat)	05:48	06:37 112		12:28 62S	18:20 248		19:08
2024 Jan 14 (Sun)	05:49	06:37 112		12:29 62S	18:20 249		19:09
2024 Jan 15 (Mon)	05:49	06:37 111		12:29 62S	18:21 249		19:09
2024 Jan 16 (Tue)	05:49	06:37 111		12:29 62S	18:21 249		19:09
2024 Jan 17 (Wed)	05:50	06:38 111		12:30 62S	18:22 249		19:10
2024 Jan 18 (Thu)	05:50	06:38 111		12:30 62S	18:22 249		19:10
2024 Jan 19 (Fri)	05:50	06:38 111		12:30 63S	18:23 250		19:11
2024 Jan 20 (Sat)	05:50	06:38 110		12:31 63S	18:23 250		19:11
2024 Jan 21 (Sun)	05:51	06:38 110		12:31 63S	18:23 250		19:11
2024 Jan 22 (Mon)	05:51	06:39 110		12:31 63S	18:24 250		19:12
2024 Jan 23 (Tue)	05:51	06:39 110		12:31 64S	18:24 250		19:12
2024 Jan 24 (Wed)	05:51	06:39 109		12:32 64S	18:25 251		19:12
2024 Jan 25 (Thu)	05:51	06:39 109		12:32 64S	18:25 251		19:13
2024 Jan 26 (Fri)	05:52	06:39 109		12:32 64S	18:25 251		19:13
2024 Jan 27 (Sat)	05:52	06:39 109		12:32 65S	18:26 251		19:13
2024 Jan 28 (Sun)	05:52	06:39 108		12:33 65S	18:26 252		19:13
2024 Jan 29 (Mon)	05:52	06:39 108		12:33 65S	18:26 252		19:14
2024 Jan 30 (Tue)	05:52	06:39 108		12:33 65S	18:27 252		19:14
2024 Jan 31 (Wed)	05:52	06:39 108		12:33 66S	18:27 253		19:14
2024 Feb 01 (Thu)	05:52	06:39 107		12:33 66S	18:27 253		19:14
2024 Feb 02 (Fri)	05:52	06:39 107		12:33 66S	18:28 253		19:15
2024 Feb 03 (Sat)	05:52	06:39 107		12:34 66S	18:28 253		19:15
2024 Feb 04 (Sun)	05:52	06:39 106		12:34 67S	18:28 254		19:15
2024 Feb 05 (Mon)	05:52	06:39 106		12:34 67S	18:28 254		19:15
2024 Feb 06 (Tue)	05:52	06:39 106		12:34 67S	18:29 254		19:15
2024 Feb 07 (Wed)	05:52	06:39 106		12:34 68S	18:29 255		19:16
2024 Feb 08 (Thu)	05:52	06:39 105		12:34 68S	18:29 255		19:16
2024 Feb 09 (Fri)	05:52	06:39 105		12:34 68S	18:29 255		19:16
2024 Feb 10 (Sat)	05:52	06:38 105		12:34 69S	18:30 256		19:16
2024 Feb 11 (Sun)	05:52	06:38 104		12:34 69S	18:30 256		19:16
2024 Feb 12 (Mon)	05:52	06:38 104		12:34 69S	18:30 256		19:16
2024 Feb 13 (Tue)	05:52	06:38 104		12:34 70S	18:30 257		19:16
2024 Feb 14 (Wed)	05:52	06:38 103		12:34 70S	18:30 257		19:16
2024 Feb 15 (Thu)	05:51	06:38 103		12:34 70S	18:30 257		19:17
2024 Feb 16 (Fri)	05:51	06:37 103		12:34 71S	18:31 258		19:17
2024 Feb 17 (Sat)	05:51	06:37 102		12:34 71S	18:31 258		19:17
2024 Feb 18 (Sun)	05:51	06:37 102		12:34 71S	18:31 258		19:17
2024 Feb 19 (Mon)	05:51	06:37 102		12:34 72S	18:31 259		19:17
2024 Feb 20 (Tue)	05:50	06:36 101		12:34 72S	18:31 259		19:17
2024 Feb 21 (Wed)	05:50	06:36 101		12:33 72S	18:31 259		19:17
2024 Feb 22 (Thu)	05:50	06:36 100		12:33 73S	18:31 260		19:17
2024 Feb 23 (Fri)	05:50	06:35 100		12:33 73S	18:31 260		19:17
2024 Feb 24 (Sat)	05:49	06:35 100		12:33 73S	18:31 260		19:17

2024	Feb	25	(Sun)	05:49	06:35	99	12:33	74S	18:31	261	19:17
2024	Feb	26	(Mon)	05:49	06:34	99	12:33	74S	18:31	261	19:17
2024	Feb	27	(Tue)	05:48	06:34	99	12:33	75S	18:31	262	19:17
2024	Feb	28	(Wed)	05:48	06:34	98	12:32	75S	18:31	262	19:17
2024	Feb	29	(Thu)	05:48	06:33	98	12:32	75S	18:31	262	19:17
2024	Mar	01	(Fri)	05:47	06:33	97	12:32	76S	18:31	263	19:17
2024	Mar	02	(Sat)	05:47	06:32	97	12:32	76S	18:31	263	19:17
2024	Mar	03	(Sun)	05:47	06:32	97	12:32	76S	18:31	264	19:17
2024	Mar	04	(Mon)	05:46	06:32	96	12:31	77S	18:31	264	19:17
2024	Mar	05	(Tue)	05:46	06:31	96	12:31	77S	18:31	264	19:17
2024	Mar	06	(Wed)	05:45	06:31	96	12:31	78S	18:31	265	19:17
2024	Mar	07	(Thu)	05:45	06:30	95	12:31	78S	18:31	265	19:17
2024	Mar	08	(Fri)	05:45	06:30	95	12:30	78S	18:31	265	19:17
2024	Mar	09	(Sat)	05:44	06:29	94	12:30	79S	18:31	266	19:16
2024	Mar	10	(Sun)	05:44	06:29	94	12:30	79S	18:31	266	19:16
2024	Mar	11	(Mon)	05:43	06:28	94	12:30	80S	18:31	267	19:16
2024	Mar	12	(Tue)	05:43	06:28	93	12:29	80S	18:31	267	19:16
2024	Mar	13	(Wed)	05:42	06:27	93	12:29	80S	18:31	267	19:16
2024	Mar	14	(Thu)	05:42	06:27	92	12:29	81S	18:31	268	19:16
2024	Mar	15	(Fri)	05:41	06:26	92	12:29	81S	18:31	268	19:16
2024	Mar	16	(Sat)	05:41	06:26	92	12:28	82S	18:31	269	19:16
2024	Mar	17	(Sun)	05:40	06:25	91	12:28	82S	18:31	269	19:16
2024	Mar	18	(Mon)	05:40	06:25	91	12:28	82S	18:31	269	19:16
2024	Mar	19	(Tue)	05:39	06:24	90	12:27	83S	18:31	270	19:16
2024	Mar	20	(Wed)	05:39	06:24	90	12:27	83S	18:31	270	19:16
2024	Mar	21	(Thu)	05:38	06:23	90	12:27	84S	18:30	271	19:16
2024	Mar	22	(Fri)	05:38	06:23	89	12:27	84S	18:30	271	19:15
2024	Mar	23	(Sat)	05:37	06:22	89	12:26	84S	18:30	271	19:15
2024	Mar	24	(Sun)	05:37	06:22	88	12:26	85S	18:30	272	19:15
2024	Mar	25	(Mon)	05:36	06:21	88	12:26	85S	18:30	272	19:15
2024	Mar	26	(Tue)	05:36	06:21	88	12:25	86S	18:30	273	19:15
2024	Mar	27	(Wed)	05:35	06:20	87	12:25	86S	18:30	273	19:15
2024	Mar	28	(Thu)	05:35	06:20	87	12:25	86S	18:30	273	19:15
2024	Mar	29	(Fri)	05:34	06:19	86	12:24	87S	18:30	274	19:15
2024	Mar	30	(Sat)	05:34	06:19	86	12:24	87S	18:30	274	19:15
2024	Mar	31	(Sun)	05:33	06:18	86	12:24	87S	18:30	275	19:15
2024	Apr	01	(Mon)	05:33	06:18	85	12:24	88S	18:29	275	19:15
2024	Apr	02	(Tue)	05:32	06:17	85	12:23	88S	18:29	275	19:15
2024	Apr	03	(Wed)	05:31	06:17	84	12:23	89S	18:29	276	19:15
2024	Apr	04	(Thu)	05:31	06:16	84	12:23	89S	18:29	276	19:15
2024	Apr	05	(Fri)	05:30	06:16	84	12:22	89S	18:29	277	19:15
2024	Apr	06	(Sat)	05:30	06:15	83	12:22	90S	18:29	277	19:15
2024	Apr	07	(Sun)	05:29	06:15	83	12:22	90S	18:29	277	19:14
2024	Apr	08	(Mon)	05:29	06:14	83	12:22	91S	18:29	278	19:14
2024	Apr	09	(Tue)	05:28	06:14	82	12:21	91N	18:29	278	19:14
2024	Apr	10	(Wed)	05:28	06:13	82	12:21	90N	18:29	278	19:14
2024	Apr	11	(Thu)	05:27	06:13	81	12:21	90N	18:29	279	19:14
2024	Apr	12	(Fri)	05:27	06:12	81	12:21	89N	18:29	279	19:14
2024	Apr	13	(Sat)	05:26	06:12	81	12:20	89N	18:29	280	19:14
2024	Apr	14	(Sun)	05:26	06:12	80	12:20	89N	18:29	280	19:14
2024	Apr	15	(Mon)	05:25	06:11	80	12:20	88N	18:29	280	19:14
2024	Apr	16	(Tue)	05:25	06:11	80	12:20	88N	18:28	281	19:14
2024	Apr	17	(Wed)	05:24	06:10	79	12:19	88N	18:28	281	19:15
2024	Apr	18	(Thu)	05:24	06:10	79	12:19	87N	18:28	281	19:15
2024	Apr	19	(Fri)	05:23	06:09	79	12:19	87N	18:28	282	19:15
2024	Apr	20	(Sat)	05:23	06:09	78	12:19	87N	18:28	282	19:15
2024	Apr	21	(Sun)	05:22	06:09	78	12:18	86N	18:28	282	19:15
2024	Apr	22	(Mon)	05:22	06:08	77	12:18	86N	18:28	283	19:15
2024	Apr	23	(Tue)	05:21	06:08	77	12:18	86N	18:28	283	19:15
2024	Apr	24	(Wed)	05:21	06:07	77	12:18	85N	18:28	283	19:15
2024	Apr	25	(Thu)	05:21	06:07	76	12:18	85N	18:28	284	19:15
2024	Apr	26	(Fri)	05:20	06:07	76	12:18	85N	18:28	284	19:15
2024	Apr	27	(Sat)	05:20	06:06	76	12:17	84N	18:28	284	19:15
2024	Apr	28	(Sun)	05:19	06:06	76	12:17	84N	18:29	285	19:15
2024	Apr	29	(Mon)	05:19	06:06	75	12:17	84N	18:29	285	19:15
2024	Apr	30	(Tue)	05:19	06:05	75	12:17	83N	18:29	285	19:16
2024	May	01	(Wed)	05:18	06:05	75	12:17	83N	18:29	286	19:16

2024	May	02	(Thu)	05:18	06:05	74	12:17	83N	18:29	286	19:16
2024	May	03	(Fri)	05:17	06:05	74	12:17	82N	18:29	286	19:16
2024	May	04	(Sat)	05:17	06:04	74	12:17	82N	18:29	286	19:16
2024	May	05	(Sun)	05:17	06:04	73	12:16	82N	18:29	287	19:16
2024	May	06	(Mon)	05:16	06:04	73	12:16	82N	18:29	287	19:16
2024	May	07	(Tue)	05:16	06:04	73	12:16	81N	18:29	287	19:17
2024	May	08	(Wed)	05:16	06:03	73	12:16	81N	18:29	288	19:17
2024	May	09	(Thu)	05:16	06:03	72	12:16	81N	18:29	288	19:17
2024	May	10	(Fri)	05:15	06:03	72	12:16	81N	18:30	288	19:17
2024	May	11	(Sat)	05:15	06:03	72	12:16	80N	18:30	288	19:17
2024	May	12	(Sun)	05:15	06:03	72	12:16	80N	18:30	289	19:18
2024	May	13	(Mon)	05:15	06:02	71	12:16	80N	18:30	289	19:18
2024	May	14	(Tue)	05:14	06:02	71	12:16	80N	18:30	289	19:18
2024	May	15	(Wed)	05:14	06:02	71	12:16	79N	18:30	289	19:18
2024	May	16	(Thu)	05:14	06:02	71	12:16	79N	18:30	290	19:19
2024	May	17	(Fri)	05:14	06:02	70	12:16	79N	18:31	290	19:19
2024	May	18	(Sat)	05:14	06:02	70	12:16	79N	18:31	290	19:19
2024	May	19	(Sun)	05:13	06:02	70	12:16	78N	18:31	290	19:19
2024	May	20	(Mon)	05:13	06:02	70	12:16	78N	18:31	290	19:20
2024	May	21	(Tue)	05:13	06:02	69	12:16	78N	18:31	291	19:20
2024	May	22	(Wed)	05:13	06:02	69	12:17	78N	18:32	291	19:20
2024	May	23	(Thu)	05:13	06:01	69	12:17	78N	18:32	291	19:20
2024	May	24	(Fri)	05:13	06:01	69	12:17	77N	18:32	291	19:21
2024	May	25	(Sat)	05:13	06:01	69	12:17	77N	18:32	291	19:21
2024	May	26	(Sun)	05:13	06:01	69	12:17	77N	18:32	292	19:21
2024	May	27	(Mon)	05:13	06:01	68	12:17	77N	18:33	292	19:21
2024	May	28	(Tue)	05:13	06:01	68	12:17	77N	18:33	292	19:22
2024	May	29	(Wed)	05:13	06:01	68	12:17	77N	18:33	292	19:22
2024	May	30	(Thu)	05:12	06:02	68	12:17	76N	18:33	292	19:22
2024	May	31	(Fri)	05:12	06:02	68	12:18	76N	18:34	292	19:23
2024	Jun	01	(Sat)	05:13	06:02	68	12:18	76N	18:34	292	19:23
2024	Jun	02	(Sun)	05:13	06:02	67	12:18	76N	18:34	293	19:23
2024	Jun	03	(Mon)	05:13	06:02	67	12:18	76N	18:34	293	19:24
2024	Jun	04	(Tue)	05:13	06:02	67	12:18	76N	18:35	293	19:24
2024	Jun	05	(Wed)	05:13	06:02	67	12:18	76N	18:35	293	19:24
2024	Jun	06	(Thu)	05:13	06:02	67	12:19	76N	18:35	293	19:24
2024	Jun	07	(Fri)	05:13	06:02	67	12:19	75N	18:35	293	19:25
2024	Jun	08	(Sat)	05:13	06:02	67	12:19	75N	18:36	293	19:25
2024	Jun	09	(Sun)	05:13	06:03	67	12:19	75N	18:36	293	19:25
2024	Jun	10	(Mon)	05:13	06:03	67	12:19	75N	18:36	293	19:26
2024	Jun	11	(Tue)	05:13	06:03	67	12:20	75N	18:36	293	19:26
2024	Jun	12	(Wed)	05:13	06:03	66	12:20	75N	18:37	294	19:26
2024	Jun	13	(Thu)	05:14	06:03	66	12:20	75N	18:37	294	19:26
2024	Jun	14	(Fri)	05:14	06:03	66	12:20	75N	18:37	294	19:27
2024	Jun	15	(Sat)	05:14	06:04	66	12:20	75N	18:37	294	19:27
2024	Jun	16	(Sun)	05:14	06:04	66	12:21	75N	18:37	294	19:27
2024	Jun	17	(Mon)	05:14	06:04	66	12:21	75N	18:38	294	19:27
2024	Jun	18	(Tue)	05:14	06:04	66	12:21	75N	18:38	294	19:28
2024	Jun	19	(Wed)	05:15	06:04	66	12:21	75N	18:38	294	19:28
2024	Jun	20	(Thu)	05:15	06:05	66	12:21	75N	18:38	294	19:28
2024	Jun	21	(Fri)	05:15	06:05	66	12:22	75N	18:39	294	19:28
2024	Jun	22	(Sat)	05:15	06:05	66	12:22	75N	18:39	294	19:28
2024	Jun	23	(Sun)	05:15	06:05	66	12:22	75N	18:39	294	19:29
2024	Jun	24	(Mon)	05:16	06:05	66	12:22	75N	18:39	294	19:29
2024	Jun	25	(Tue)	05:16	06:06	66	12:23	75N	18:39	294	19:29
2024	Jun	26	(Wed)	05:16	06:06	66	12:23	75N	18:40	294	19:29
2024	Jun	27	(Thu)	05:16	06:06	66	12:23	75N	18:40	294	19:29
2024	Jun	28	(Fri)	05:17	06:06	66	12:23	75N	18:40	294	19:30
2024	Jun	29	(Sat)	05:17	06:07	66	12:23	75N	18:40	294	19:30
2024	Jun	30	(Sun)	05:17	06:07	67	12:24	75N	18:40	293	19:30
2024	Jul	01	(Mon)	05:17	06:07	67	12:24	75N	18:40	293	19:30
2024	Jul	02	(Tue)	05:18	06:07	67	12:24	75N	18:41	293	19:30
2024	Jul	03	(Wed)	05:18	06:08	67	12:24	75N	18:41	293	19:30
2024	Jul	04	(Thu)	05:18	06:08	67	12:24	75N	18:41	293	19:30
2024	Jul	05	(Fri)	05:19	06:08	67	12:24	76N	18:41	293	19:30
2024	Jul	06	(Sat)	05:19	06:08	67	12:25	76N	18:41	293	19:30
2024	Jul	07	(Sun)	05:19	06:08	67	12:25	76N	18:41	293	19:30

2024	Jul	08	(Mon)	05:19	06:09	67	12:25	76N	18:41	293	19:30
2024	Jul	09	(Tue)	05:20	06:09	67	12:25	76N	18:41	293	19:30
2024	Jul	10	(Wed)	05:20	06:09	67	12:25	76N	18:41	292	19:30
2024	Jul	11	(Thu)	05:20	06:09	68	12:25	76N	18:41	292	19:30
2024	Jul	12	(Fri)	05:20	06:10	68	12:26	76N	18:41	292	19:30
2024	Jul	13	(Sat)	05:21	06:10	68	12:26	77N	18:41	292	19:30
2024	Jul	14	(Sun)	05:21	06:10	68	12:26	77N	18:41	292	19:30
2024	Jul	15	(Mon)	05:21	06:10	68	12:26	77N	18:41	292	19:30
2024	Jul	16	(Tue)	05:22	06:10	68	12:26	77N	18:41	292	19:30
2024	Jul	17	(Wed)	05:22	06:11	69	12:26	77N	18:41	291	19:30
2024	Jul	18	(Thu)	05:22	06:11	69	12:26	77N	18:41	291	19:30
2024	Jul	19	(Fri)	05:22	06:11	69	12:26	78N	18:41	291	19:30
2024	Jul	20	(Sat)	05:23	06:11	69	12:26	78N	18:41	291	19:30
2024	Jul	21	(Sun)	05:23	06:11	69	12:26	78N	18:41	291	19:30
2024	Jul	22	(Mon)	05:23	06:11	69	12:26	78N	18:41	290	19:29
2024	Jul	23	(Tue)	05:23	06:12	70	12:26	78N	18:41	290	19:29
2024	Jul	24	(Wed)	05:23	06:12	70	12:26	79N	18:41	290	19:29
2024	Jul	25	(Thu)	05:24	06:12	70	12:26	79N	18:41	290	19:29
2024	Jul	26	(Fri)	05:24	06:12	70	12:26	79N	18:41	290	19:29
2024	Jul	27	(Sat)	05:24	06:12	71	12:26	79N	18:40	289	19:28
2024	Jul	28	(Sun)	05:24	06:12	71	12:26	79N	18:40	289	19:28
2024	Jul	29	(Mon)	05:24	06:12	71	12:26	80N	18:40	289	19:28
2024	Jul	30	(Tue)	05:25	06:13	71	12:26	80N	18:40	289	19:28
2024	Jul	31	(Wed)	05:25	06:13	72	12:26	80N	18:40	288	19:27
2024	Aug	01	(Thu)	05:25	06:13	72	12:26	80N	18:39	288	19:27
2024	Aug	02	(Fri)	05:25	06:13	72	12:26	81N	18:39	288	19:27
2024	Aug	03	(Sat)	05:25	06:13	72	12:26	81N	18:39	288	19:27
2024	Aug	04	(Sun)	05:25	06:13	73	12:26	81N	18:39	287	19:26
2024	Aug	05	(Mon)	05:26	06:13	73	12:26	81N	18:38	287	19:26
2024	Aug	06	(Tue)	05:26	06:13	73	12:26	82N	18:38	287	19:25
2024	Aug	07	(Wed)	05:26	06:13	73	12:26	82N	18:38	286	19:25
2024	Aug	08	(Thu)	05:26	06:13	74	12:25	82N	18:38	286	19:25
2024	Aug	09	(Fri)	05:26	06:13	74	12:25	83N	18:37	286	19:24
2024	Aug	10	(Sat)	05:26	06:13	74	12:25	83N	18:37	286	19:24
2024	Aug	11	(Sun)	05:26	06:13	75	12:25	83N	18:37	285	19:24
2024	Aug	12	(Mon)	05:26	06:13	75	12:25	83N	18:36	285	19:23
2024	Aug	13	(Tue)	05:26	06:13	75	12:25	84N	18:36	285	19:23
2024	Aug	14	(Wed)	05:27	06:13	75	12:24	84N	18:36	284	19:22
2024	Aug	15	(Thu)	05:27	06:13	76	12:24	84N	18:35	284	19:22
2024	Aug	16	(Fri)	05:27	06:13	76	12:24	85N	18:35	284	19:21
2024	Aug	17	(Sat)	05:27	06:13	76	12:24	85N	18:34	283	19:21
2024	Aug	18	(Sun)	05:27	06:13	77	12:24	85N	18:34	283	19:20
2024	Aug	19	(Mon)	05:27	06:13	77	12:23	86N	18:34	283	19:20
2024	Aug	20	(Tue)	05:27	06:13	77	12:23	86N	18:33	282	19:19
2024	Aug	21	(Wed)	05:27	06:13	78	12:23	86N	18:33	282	19:19
2024	Aug	22	(Thu)	05:27	06:13	78	12:23	87N	18:32	282	19:18
2024	Aug	23	(Fri)	05:27	06:13	78	12:22	87N	18:32	281	19:18
2024	Aug	24	(Sat)	05:27	06:13	79	12:22	87N	18:31	281	19:17
2024	Aug	25	(Sun)	05:27	06:13	79	12:22	88N	18:31	281	19:17
2024	Aug	26	(Mon)	05:27	06:13	79	12:22	88N	18:30	280	19:16
2024	Aug	27	(Tue)	05:27	06:13	80	12:21	88N	18:30	280	19:16
2024	Aug	28	(Wed)	05:27	06:12	80	12:21	89N	18:29	280	19:15
2024	Aug	29	(Thu)	05:27	06:12	81	12:21	89N	18:29	279	19:15
2024	Aug	30	(Fri)	05:27	06:12	81	12:20	89N	18:28	279	19:14
2024	Aug	31	(Sat)	05:26	06:12	81	12:20	90N	18:28	279	19:14
2024	Sep	01	(Sun)	05:26	06:12	82	12:20	90N	18:27	278	19:13
2024	Sep	02	(Mon)	05:26	06:12	82	12:19	91N	18:27	278	19:12
2024	Sep	03	(Tue)	05:26	06:12	82	12:19	90S	18:26	277	19:12
2024	Sep	04	(Wed)	05:26	06:12	83	12:19	90S	18:26	277	19:11
2024	Sep	05	(Thu)	05:26	06:12	83	12:18	90S	18:25	277	19:11
2024	Sep	06	(Fri)	05:26	06:11	83	12:18	89S	18:25	276	19:10
2024	Sep	07	(Sat)	05:26	06:11	84	12:18	89S	18:24	276	19:09
2024	Sep	08	(Sun)	05:26	06:11	84	12:17	89S	18:24	276	19:09
2024	Sep	09	(Mon)	05:26	06:11	85	12:17	88S	18:23	275	19:08
2024	Sep	10	(Tue)	05:26	06:11	85	12:17	88S	18:22	275	19:08
2024	Sep	11	(Wed)	05:25	06:11	85	12:16	87S	18:22	274	19:07
2024	Sep	12	(Thu)	05:25	06:11	86	12:16	87S	18:21	274	19:07

2024	Sep	13	(Fri)	05:25	06:10	86	12:16	87S	18:21	274	19:06
2024	Sep	14	(Sat)	05:25	06:10	87	12:15	86S	18:20	273	19:05
2024	Sep	15	(Sun)	05:25	06:10	87	12:15	86S	18:20	273	19:05
2024	Sep	16	(Mon)	05:25	06:10	87	12:15	86S	18:19	272	19:04
2024	Sep	17	(Tue)	05:25	06:10	88	12:14	85S	18:19	272	19:04
2024	Sep	18	(Wed)	05:25	06:10	88	12:14	85S	18:18	272	19:03
2024	Sep	19	(Thu)	05:24	06:10	88	12:14	84S	18:17	271	19:02
2024	Sep	20	(Fri)	05:24	06:09	89	12:13	84S	18:17	271	19:02
2024	Sep	21	(Sat)	05:24	06:09	89	12:13	84S	18:16	271	19:01
2024	Sep	22	(Sun)	05:24	06:09	90	12:12	83S	18:16	270	19:01
2024	Sep	23	(Mon)	05:24	06:09	90	12:12	83S	18:15	270	19:00
2024	Sep	24	(Tue)	05:24	06:09	90	12:12	82S	18:15	269	19:00
2024	Sep	25	(Wed)	05:24	06:09	91	12:11	82S	18:14	269	18:59
2024	Sep	26	(Thu)	05:23	06:08	91	12:11	82S	18:13	269	18:59
2024	Sep	27	(Fri)	05:23	06:08	92	12:11	81S	18:13	268	18:58
2024	Sep	28	(Sat)	05:23	06:08	92	12:10	81S	18:12	268	18:57
2024	Sep	29	(Sun)	05:23	06:08	92	12:10	81S	18:12	267	18:57
2024	Sep	30	(Mon)	05:23	06:08	93	12:10	80S	18:11	267	18:56
2024	Oct	01	(Tue)	05:23	06:08	93	12:09	80S	18:11	267	18:56
2024	Oct	02	(Wed)	05:23	06:08	94	12:09	79S	18:10	266	18:55
2024	Oct	03	(Thu)	05:23	06:08	94	12:09	79S	18:10	266	18:55
2024	Oct	04	(Fri)	05:22	06:08	94	12:08	79S	18:09	265	18:54
2024	Oct	05	(Sat)	05:22	06:07	95	12:08	78S	18:09	265	18:54
2024	Oct	06	(Sun)	05:22	06:07	95	12:08	78S	18:08	265	18:53
2024	Oct	07	(Mon)	05:22	06:07	96	12:08	77S	18:08	264	18:53
2024	Oct	08	(Tue)	05:22	06:07	96	12:07	77S	18:07	264	18:53
2024	Oct	09	(Wed)	05:22	06:07	96	12:07	77S	18:07	264	18:52
2024	Oct	10	(Thu)	05:22	06:07	97	12:07	76S	18:06	263	18:52
2024	Oct	11	(Fri)	05:22	06:07	97	12:06	76S	18:06	263	18:51
2024	Oct	12	(Sat)	05:22	06:07	97	12:06	76S	18:05	262	18:51
2024	Oct	13	(Sun)	05:21	06:07	98	12:06	75S	18:05	262	18:50
2024	Oct	14	(Mon)	05:21	06:07	98	12:06	75S	18:05	262	18:50
2024	Oct	15	(Tue)	05:21	06:07	99	12:06	74S	18:04	261	18:50
2024	Oct	16	(Wed)	05:21	06:07	99	12:05	74S	18:04	261	18:49
2024	Oct	17	(Thu)	05:21	06:07	99	12:05	74S	18:03	261	18:49
2024	Oct	18	(Fri)	05:21	06:07	100	12:05	73S	18:03	260	18:49
2024	Oct	19	(Sat)	05:21	06:07	100	12:05	73S	18:03	260	18:48
2024	Oct	20	(Sun)	05:21	06:07	100	12:05	73S	18:02	259	18:48
2024	Oct	21	(Mon)	05:21	06:07	101	12:04	72S	18:02	259	18:48
2024	Oct	22	(Tue)	05:21	06:07	101	12:04	72S	18:02	259	18:47
2024	Oct	23	(Wed)	05:21	06:07	101	12:04	72S	18:01	258	18:47
2024	Oct	24	(Thu)	05:21	06:07	102	12:04	71S	18:01	258	18:47
2024	Oct	25	(Fri)	05:21	06:07	102	12:04	71S	18:01	258	18:47
2024	Oct	26	(Sat)	05:21	06:07	103	12:04	71S	18:00	257	18:46
2024	Oct	27	(Sun)	05:21	06:07	103	12:04	70S	18:00	257	18:46
2024	Oct	28	(Mon)	05:21	06:07	103	12:04	70S	18:00	257	18:46
2024	Oct	29	(Tue)	05:21	06:07	104	12:03	70S	17:59	256	18:46
2024	Oct	30	(Wed)	05:21	06:08	104	12:03	69S	17:59	256	18:46
2024	Oct	31	(Thu)	05:21	06:08	104	12:03	69S	17:59	256	18:45
2024	Nov	01	(Fri)	05:21	06:08	105	12:03	69S	17:59	255	18:45
2024	Nov	02	(Sat)	05:21	06:08	105	12:03	68S	17:59	255	18:45
2024	Nov	03	(Sun)	05:22	06:08	105	12:03	68S	17:58	255	18:45
2024	Nov	04	(Mon)	05:22	06:08	105	12:03	68S	17:58	254	18:45
2024	Nov	05	(Tue)	05:22	06:09	106	12:03	67S	17:58	254	18:45
2024	Nov	06	(Wed)	05:22	06:09	106	12:03	67S	17:58	254	18:45
2024	Nov	07	(Thu)	05:22	06:09	106	12:03	67S	17:58	253	18:45
2024	Nov	08	(Fri)	05:22	06:09	107	12:04	66S	17:58	253	18:45
2024	Nov	09	(Sat)	05:22	06:09	107	12:04	66S	17:58	253	18:45
2024	Nov	10	(Sun)	05:23	06:10	107	12:04	66S	17:58	253	18:45
2024	Nov	11	(Mon)	05:23	06:10	108	12:04	66S	17:58	252	18:45
2024	Nov	12	(Tue)	05:23	06:10	108	12:04	65S	17:58	252	18:45
2024	Nov	13	(Wed)	05:23	06:10	108	12:04	65S	17:58	252	18:45
2024	Nov	14	(Thu)	05:23	06:11	108	12:04	65S	17:58	252	18:45
2024	Nov	15	(Fri)	05:24	06:11	109	12:04	65S	17:58	251	18:45
2024	Nov	16	(Sat)	05:24	06:11	109	12:05	64S	17:58	251	18:45
2024	Nov	17	(Sun)	05:24	06:12	109	12:05	64S	17:58	251	18:45
2024	Nov	18	(Mon)	05:24	06:12	109	12:05	64S	17:58	251	18:45

2024	Nov	19	(Tue)	05:25	06:12	110	12:05	64S	17:58	250	18:46
2024	Nov	20	(Wed)	05:25	06:13	110	12:05	63S	17:58	250	18:46
2024	Nov	21	(Thu)	05:25	06:13	110	12:06	63S	17:58	250	18:46
2024	Nov	22	(Fri)	05:26	06:14	110	12:06	63S	17:58	250	18:46
2024	Nov	23	(Sat)	05:26	06:14	110	12:06	63S	17:58	249	18:46
2024	Nov	24	(Sun)	05:26	06:14	111	12:07	62S	17:59	249	18:47
2024	Nov	25	(Mon)	05:27	06:15	111	12:07	62S	17:59	249	18:47
2024	Nov	26	(Tue)	05:27	06:15	111	12:07	62S	17:59	249	18:47
2024	Nov	27	(Wed)	05:27	06:16	111	12:07	62S	17:59	249	18:47
2024	Nov	28	(Thu)	05:28	06:16	111	12:08	62S	18:00	248	18:48
2024	Nov	29	(Fri)	05:28	06:16	112	12:08	62S	18:00	248	18:48
2024	Nov	30	(Sat)	05:29	06:17	112	12:09	61S	18:00	248	18:48
2024	Dec	01	(Sun)	05:29	06:17	112	12:09	61S	18:00	248	18:49
2024	Dec	02	(Mon)	05:29	06:18	112	12:09	61S	18:01	248	18:49
2024	Dec	03	(Tue)	05:30	06:18	112	12:10	61S	18:01	248	18:49
2024	Dec	04	(Wed)	05:30	06:19	112	12:10	61S	18:01	248	18:50
2024	Dec	05	(Thu)	05:31	06:19	112	12:10	61S	18:02	247	18:50
2024	Dec	06	(Fri)	05:31	06:20	113	12:11	61S	18:02	247	18:51
2024	Dec	07	(Sat)	05:32	06:20	113	12:11	60S	18:02	247	18:51
2024	Dec	08	(Sun)	05:32	06:21	113	12:12	60S	18:03	247	18:51
2024	Dec	09	(Mon)	05:33	06:21	113	12:12	60S	18:03	247	18:52
2024	Dec	10	(Tue)	05:33	06:22	113	12:13	60S	18:03	247	18:52
2024	Dec	11	(Wed)	05:34	06:22	113	12:13	60S	18:04	247	18:53
2024	Dec	12	(Thu)	05:34	06:23	113	12:14	60S	18:04	247	18:53
2024	Dec	13	(Fri)	05:35	06:23	113	12:14	60S	18:05	247	18:54
2024	Dec	14	(Sat)	05:35	06:24	113	12:15	60S	18:05	247	18:54
2024	Dec	15	(Sun)	05:36	06:24	113	12:15	60S	18:06	247	18:55
2024	Dec	16	(Mon)	05:36	06:25	113	12:16	60S	18:06	247	18:55
2024	Dec	17	(Tue)	05:36	06:25	113	12:16	60S	18:07	247	18:55
2024	Dec	18	(Wed)	05:37	06:26	113	12:16	60S	18:07	246	18:56
2024	Dec	19	(Thu)	05:37	06:26	114	12:17	60S	18:08	246	18:56
2024	Dec	20	(Fri)	05:38	06:27	114	12:17	60S	18:08	246	18:57
2024	Dec	21	(Sat)	05:38	06:27	114	12:18	60S	18:09	246	18:57
2024	Dec	22	(Sun)	05:39	06:28	114	12:18	60S	18:09	246	18:58
2024	Dec	23	(Mon)	05:39	06:28	114	12:19	60S	18:10	246	18:58
2024	Dec	24	(Tue)	05:40	06:29	114	12:19	60S	18:10	246	18:59
2024	Dec	25	(Wed)	05:40	06:29	113	12:20	60S	18:11	247	18:59
2024	Dec	26	(Thu)	05:41	06:30	113	12:20	60S	18:11	247	19:00
2024	Dec	27	(Fri)	05:41	06:30	113	12:21	60S	18:12	247	19:00
2024	Dec	28	(Sat)	05:42	06:31	113	12:21	60S	18:12	247	19:01
2024	Dec	29	(Sun)	05:42	06:31	113	12:22	60S	18:13	247	19:01
2024	Dec	30	(Mon)	05:43	06:32	113	12:22	60S	18:13	247	19:02
2024	Dec	31	(Tue)	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		Rise		Az.	Transit Alt.		Set		Az.	End Civil Twilight		
				h	m	h		m	°	h		m	°	h		m
2024	Jan	01	(Mon)	06:10		06:32	113			12:23	60S	18:14	247		18:36	
2024	Jan	02	(Tue)	06:10		06:33	113			12:23	60S	18:14	247		18:37	
2024	Jan	03	(Wed)	06:10		06:33	113			12:24	60S	18:15	247		18:37	
2024	Jan	04	(Thu)	06:11		06:33	113			12:24	60S	18:15	247		18:38	
2024	Jan	05	(Fri)	06:11		06:34	113			12:25	60S	18:16	247		18:38	
2024	Jan	06	(Sat)	06:12		06:34	113			12:25	61S	18:16	247		18:39	
2024	Jan	07	(Sun)	06:12		06:35	113			12:26	61S	18:17	248		18:39	
2024	Jan	08	(Mon)	06:12		06:35	112			12:26	61S	18:17	248		18:40	
2024	Jan	09	(Tue)	06:13		06:35	112			12:27	61S	18:18	248		18:40	
2024	Jan	10	(Wed)	06:13		06:36	112			12:27	61S	18:18	248		18:41	
2024	Jan	11	(Thu)	06:14		06:36	112			12:27	61S	18:19	248		18:41	

2024	Jan	12	(Fri)	06:14	06:36	112	12:28	61S	18:19	248	18:42
2024	Jan	13	(Sat)	06:14	06:37	112	12:28	62S	18:20	248	18:42
2024	Jan	14	(Sun)	06:14	06:37	112	12:29	62S	18:20	249	18:43
2024	Jan	15	(Mon)	06:15	06:37	111	12:29	62S	18:21	249	18:43
2024	Jan	16	(Tue)	06:15	06:37	111	12:29	62S	18:21	249	18:44
2024	Jan	17	(Wed)	06:15	06:38	111	12:30	62S	18:22	249	18:44
2024	Jan	18	(Thu)	06:16	06:38	111	12:30	62S	18:22	249	18:44
2024	Jan	19	(Fri)	06:16	06:38	111	12:30	63S	18:23	250	18:45
2024	Jan	20	(Sat)	06:16	06:38	110	12:31	63S	18:23	250	18:45
2024	Jan	21	(Sun)	06:16	06:38	110	12:31	63S	18:23	250	18:46
2024	Jan	22	(Mon)	06:16	06:39	110	12:31	63S	18:24	250	18:46
2024	Jan	23	(Tue)	06:17	06:39	110	12:31	64S	18:24	250	18:46
2024	Jan	24	(Wed)	06:17	06:39	109	12:32	64S	18:25	251	18:47
2024	Jan	25	(Thu)	06:17	06:39	109	12:32	64S	18:25	251	18:47
2024	Jan	26	(Fri)	06:17	06:39	109	12:32	64S	18:25	251	18:47
2024	Jan	27	(Sat)	06:17	06:39	109	12:32	65S	18:26	251	18:48
2024	Jan	28	(Sun)	06:17	06:39	108	12:33	65S	18:26	252	18:48
2024	Jan	29	(Mon)	06:17	06:39	108	12:33	65S	18:26	252	18:48
2024	Jan	30	(Tue)	06:17	06:39	108	12:33	65S	18:27	252	18:49
2024	Jan	31	(Wed)	06:17	06:39	108	12:33	66S	18:27	253	18:49
2024	Feb	01	(Thu)	06:17	06:39	107	12:33	66S	18:27	253	18:49
2024	Feb	02	(Fri)	06:17	06:39	107	12:33	66S	18:28	253	18:49
2024	Feb	03	(Sat)	06:17	06:39	107	12:34	66S	18:28	253	18:50
2024	Feb	04	(Sun)	06:17	06:39	106	12:34	67S	18:28	254	18:50
2024	Feb	05	(Mon)	06:17	06:39	106	12:34	67S	18:28	254	18:50
2024	Feb	06	(Tue)	06:17	06:39	106	12:34	67S	18:29	254	18:50
2024	Feb	07	(Wed)	06:17	06:39	106	12:34	68S	18:29	255	18:51
2024	Feb	08	(Thu)	06:17	06:39	105	12:34	68S	18:29	255	18:51
2024	Feb	09	(Fri)	06:17	06:39	105	12:34	68S	18:29	255	18:51
2024	Feb	10	(Sat)	06:17	06:38	105	12:34	69S	18:30	256	18:51
2024	Feb	11	(Sun)	06:17	06:38	104	12:34	69S	18:30	256	18:51
2024	Feb	12	(Mon)	06:17	06:38	104	12:34	69S	18:30	256	18:51
2024	Feb	13	(Tue)	06:17	06:38	104	12:34	70S	18:30	257	18:52
2024	Feb	14	(Wed)	06:16	06:38	103	12:34	70S	18:30	257	18:52
2024	Feb	15	(Thu)	06:16	06:38	103	12:34	70S	18:30	257	18:52
2024	Feb	16	(Fri)	06:16	06:37	103	12:34	71S	18:31	258	18:52
2024	Feb	17	(Sat)	06:16	06:37	102	12:34	71S	18:31	258	18:52
2024	Feb	18	(Sun)	06:16	06:37	102	12:34	71S	18:31	258	18:52
2024	Feb	19	(Mon)	06:15	06:37	102	12:34	72S	18:31	259	18:52
2024	Feb	20	(Tue)	06:15	06:36	101	12:34	72S	18:31	259	18:52
2024	Feb	21	(Wed)	06:15	06:36	101	12:33	72S	18:31	259	18:52
2024	Feb	22	(Thu)	06:14	06:36	100	12:33	73S	18:31	260	18:52
2024	Feb	23	(Fri)	06:14	06:35	100	12:33	73S	18:31	260	18:52
2024	Feb	24	(Sat)	06:14	06:35	100	12:33	73S	18:31	260	18:52
2024	Feb	25	(Sun)	06:14	06:35	99	12:33	74S	18:31	261	18:52
2024	Feb	26	(Mon)	06:13	06:34	99	12:33	74S	18:31	261	18:52
2024	Feb	27	(Tue)	06:13	06:34	99	12:33	75S	18:31	262	18:52
2024	Feb	28	(Wed)	06:12	06:34	98	12:32	75S	18:31	262	18:52
2024	Feb	29	(Thu)	06:12	06:33	98	12:32	75S	18:31	262	18:52
2024	Mar	01	(Fri)	06:12	06:33	97	12:32	76S	18:31	263	18:52
2024	Mar	02	(Sat)	06:11	06:32	97	12:32	76S	18:31	263	18:52
2024	Mar	03	(Sun)	06:11	06:32	97	12:32	76S	18:31	264	18:52
2024	Mar	04	(Mon)	06:11	06:32	96	12:31	77S	18:31	264	18:52
2024	Mar	05	(Tue)	06:10	06:31	96	12:31	77S	18:31	264	18:52
2024	Mar	06	(Wed)	06:10	06:31	96	12:31	78S	18:31	265	18:52
2024	Mar	07	(Thu)	06:09	06:30	95	12:31	78S	18:31	265	18:52
2024	Mar	08	(Fri)	06:09	06:30	95	12:30	78S	18:31	265	18:52
2024	Mar	09	(Sat)	06:08	06:29	94	12:30	79S	18:31	266	18:52
2024	Mar	10	(Sun)	06:08	06:29	94	12:30	79S	18:31	266	18:52
2024	Mar	11	(Mon)	06:07	06:28	94	12:30	80S	18:31	267	18:52
2024	Mar	12	(Tue)	06:07	06:28	93	12:29	80S	18:31	267	18:52
2024	Mar	13	(Wed)	06:07	06:27	93	12:29	80S	18:31	267	18:52
2024	Mar	14	(Thu)	06:06	06:27	92	12:29	81S	18:31	268	18:52
2024	Mar	15	(Fri)	06:06	06:26	92	12:29	81S	18:31	268	18:52
2024	Mar	16	(Sat)	06:05	06:26	92	12:28	82S	18:31	269	18:52
2024	Mar	17	(Sun)	06:05	06:25	91	12:28	82S	18:31	269	18:52
2024	Mar	18	(Mon)	06:04	06:25	91	12:28	82S	18:31	269	18:52

2024	Mar	19	(Tue)	06:04	06:24	90	12:27	83S	18:31	270	18:51
2024	Mar	20	(Wed)	06:03	06:24	90	12:27	83S	18:31	270	18:51
2024	Mar	21	(Thu)	06:03	06:23	90	12:27	84S	18:30	271	18:51
2024	Mar	22	(Fri)	06:02	06:23	89	12:27	84S	18:30	271	18:51
2024	Mar	23	(Sat)	06:02	06:22	89	12:26	84S	18:30	271	18:51
2024	Mar	24	(Sun)	06:01	06:22	88	12:26	85S	18:30	272	18:51
2024	Mar	25	(Mon)	06:01	06:21	88	12:26	85S	18:30	272	18:51
2024	Mar	26	(Tue)	06:00	06:21	88	12:25	86S	18:30	273	18:51
2024	Mar	27	(Wed)	05:59	06:20	87	12:25	86S	18:30	273	18:51
2024	Mar	28	(Thu)	05:59	06:20	87	12:25	86S	18:30	273	18:51
2024	Mar	29	(Fri)	05:58	06:19	86	12:24	87S	18:30	274	18:51
2024	Mar	30	(Sat)	05:58	06:19	86	12:24	87S	18:30	274	18:51
2024	Mar	31	(Sun)	05:57	06:18	86	12:24	87S	18:30	275	18:50
2024	Apr	01	(Mon)	05:57	06:18	85	12:24	88S	18:29	275	18:50
2024	Apr	02	(Tue)	05:56	06:17	85	12:23	88S	18:29	275	18:50
2024	Apr	03	(Wed)	05:56	06:17	84	12:23	89S	18:29	276	18:50
2024	Apr	04	(Thu)	05:55	06:16	84	12:23	89S	18:29	276	18:50
2024	Apr	05	(Fri)	05:55	06:16	84	12:22	89S	18:29	277	18:50
2024	Apr	06	(Sat)	05:54	06:15	83	12:22	90S	18:29	277	18:50
2024	Apr	07	(Sun)	05:54	06:15	83	12:22	90S	18:29	277	18:50
2024	Apr	08	(Mon)	05:53	06:14	83	12:22	91S	18:29	278	18:50
2024	Apr	09	(Tue)	05:53	06:14	82	12:21	91N	18:29	278	18:50
2024	Apr	10	(Wed)	05:52	06:13	82	12:21	90N	18:29	278	18:50
2024	Apr	11	(Thu)	05:52	06:13	81	12:21	90N	18:29	279	18:50
2024	Apr	12	(Fri)	05:51	06:12	81	12:21	89N	18:29	279	18:50
2024	Apr	13	(Sat)	05:51	06:12	81	12:20	89N	18:29	280	18:50
2024	Apr	14	(Sun)	05:50	06:12	80	12:20	89N	18:29	280	18:50
2024	Apr	15	(Mon)	05:50	06:11	80	12:20	88N	18:29	280	18:50
2024	Apr	16	(Tue)	05:49	06:11	80	12:20	88N	18:28	281	18:50
2024	Apr	17	(Wed)	05:49	06:10	79	12:19	88N	18:28	281	18:50
2024	Apr	18	(Thu)	05:49	06:10	79	12:19	87N	18:28	281	18:50
2024	Apr	19	(Fri)	05:48	06:09	79	12:19	87N	18:28	282	18:50
2024	Apr	20	(Sat)	05:48	06:09	78	12:19	87N	18:28	282	18:50
2024	Apr	21	(Sun)	05:47	06:09	78	12:18	86N	18:28	282	18:50
2024	Apr	22	(Mon)	05:47	06:08	77	12:18	86N	18:28	283	18:50
2024	Apr	23	(Tue)	05:46	06:08	77	12:18	86N	18:28	283	18:50
2024	Apr	24	(Wed)	05:46	06:07	77	12:18	85N	18:28	283	18:50
2024	Apr	25	(Thu)	05:46	06:07	76	12:18	85N	18:28	284	18:50
2024	Apr	26	(Fri)	05:45	06:07	76	12:18	85N	18:28	284	18:50
2024	Apr	27	(Sat)	05:45	06:06	76	12:17	84N	18:28	284	18:50
2024	Apr	28	(Sun)	05:45	06:06	76	12:17	84N	18:29	285	18:50
2024	Apr	29	(Mon)	05:44	06:06	75	12:17	84N	18:29	285	18:50
2024	Apr	30	(Tue)	05:44	06:05	75	12:17	83N	18:29	285	18:50
2024	May	01	(Wed)	05:43	06:05	75	12:17	83N	18:29	286	18:50
2024	May	02	(Thu)	05:43	06:05	74	12:17	83N	18:29	286	18:50
2024	May	03	(Fri)	05:43	06:05	74	12:17	82N	18:29	286	18:51
2024	May	04	(Sat)	05:43	06:04	74	12:17	82N	18:29	286	18:51
2024	May	05	(Sun)	05:42	06:04	73	12:16	82N	18:29	287	18:51
2024	May	06	(Mon)	05:42	06:04	73	12:16	82N	18:29	287	18:51
2024	May	07	(Tue)	05:42	06:04	73	12:16	81N	18:29	287	18:51
2024	May	08	(Wed)	05:41	06:03	73	12:16	81N	18:29	288	18:51
2024	May	09	(Thu)	05:41	06:03	72	12:16	81N	18:29	288	18:51
2024	May	10	(Fri)	05:41	06:03	72	12:16	81N	18:30	288	18:52
2024	May	11	(Sat)	05:41	06:03	72	12:16	80N	18:30	288	18:52
2024	May	12	(Sun)	05:41	06:03	72	12:16	80N	18:30	289	18:52
2024	May	13	(Mon)	05:40	06:02	71	12:16	80N	18:30	289	18:52
2024	May	14	(Tue)	05:40	06:02	71	12:16	80N	18:30	289	18:52
2024	May	15	(Wed)	05:40	06:02	71	12:16	79N	18:30	289	18:52
2024	May	16	(Thu)	05:40	06:02	71	12:16	79N	18:30	290	18:53
2024	May	17	(Fri)	05:40	06:02	70	12:16	79N	18:31	290	18:53
2024	May	18	(Sat)	05:40	06:02	70	12:16	79N	18:31	290	18:53
2024	May	19	(Sun)	05:39	06:02	70	12:16	78N	18:31	290	18:53
2024	May	20	(Mon)	05:39	06:02	70	12:16	78N	18:31	290	18:53
2024	May	21	(Tue)	05:39	06:02	69	12:16	78N	18:31	291	18:54
2024	May	22	(Wed)	05:39	06:02	69	12:17	78N	18:32	291	18:54
2024	May	23	(Thu)	05:39	06:01	69	12:17	78N	18:32	291	18:54
2024	May	24	(Fri)	05:39	06:01	69	12:17	77N	18:32	291	18:54

2024	May	25	(Sat)	05:39	06:01	69	12:17	77N	18:32	291	18:55
2024	May	26	(Sun)	05:39	06:01	69	12:17	77N	18:32	292	18:55
2024	May	27	(Mon)	05:39	06:01	68	12:17	77N	18:33	292	18:55
2024	May	28	(Tue)	05:39	06:01	68	12:17	77N	18:33	292	18:55
2024	May	29	(Wed)	05:39	06:01	68	12:17	77N	18:33	292	18:56
2024	May	30	(Thu)	05:39	06:02	68	12:17	76N	18:33	292	18:56
2024	May	31	(Fri)	05:39	06:02	68	12:18	76N	18:34	292	18:56
2024	Jun	01	(Sat)	05:39	06:02	68	12:18	76N	18:34	292	18:56
2024	Jun	02	(Sun)	05:39	06:02	67	12:18	76N	18:34	293	18:57
2024	Jun	03	(Mon)	05:39	06:02	67	12:18	76N	18:34	293	18:57
2024	Jun	04	(Tue)	05:39	06:02	67	12:18	76N	18:35	293	18:57
2024	Jun	05	(Wed)	05:39	06:02	67	12:18	76N	18:35	293	18:58
2024	Jun	06	(Thu)	05:39	06:02	67	12:19	76N	18:35	293	18:58
2024	Jun	07	(Fri)	05:39	06:02	67	12:19	75N	18:35	293	18:58
2024	Jun	08	(Sat)	05:40	06:02	67	12:19	75N	18:36	293	18:58
2024	Jun	09	(Sun)	05:40	06:03	67	12:19	75N	18:36	293	18:59
2024	Jun	10	(Mon)	05:40	06:03	67	12:19	75N	18:36	293	18:59
2024	Jun	11	(Tue)	05:40	06:03	67	12:20	75N	18:36	293	18:59
2024	Jun	12	(Wed)	05:40	06:03	66	12:20	75N	18:37	294	18:59
2024	Jun	13	(Thu)	05:40	06:03	66	12:20	75N	18:37	294	19:00
2024	Jun	14	(Fri)	05:40	06:03	66	12:20	75N	18:37	294	19:00
2024	Jun	15	(Sat)	05:41	06:04	66	12:20	75N	18:37	294	19:00
2024	Jun	16	(Sun)	05:41	06:04	66	12:21	75N	18:37	294	19:00
2024	Jun	17	(Mon)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2024	Jun	18	(Tue)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2024	Jun	19	(Wed)	05:41	06:04	66	12:21	75N	18:38	294	19:01
2024	Jun	20	(Thu)	05:42	06:05	66	12:21	75N	18:38	294	19:01
2024	Jun	21	(Fri)	05:42	06:05	66	12:22	75N	18:39	294	19:01
2024	Jun	22	(Sat)	05:42	06:05	66	12:22	75N	18:39	294	19:02
2024	Jun	23	(Sun)	05:42	06:05	66	12:22	75N	18:39	294	19:02
2024	Jun	24	(Mon)	05:43	06:05	66	12:22	75N	18:39	294	19:02
2024	Jun	25	(Tue)	05:43	06:06	66	12:23	75N	18:39	294	19:02
2024	Jun	26	(Wed)	05:43	06:06	66	12:23	75N	18:40	294	19:02
2024	Jun	27	(Thu)	05:43	06:06	66	12:23	75N	18:40	294	19:03
2024	Jun	28	(Fri)	05:43	06:06	66	12:23	75N	18:40	294	19:03
2024	Jun	29	(Sat)	05:44	06:07	66	12:23	75N	18:40	294	19:03
2024	Jun	30	(Sun)	05:44	06:07	67	12:24	75N	18:40	293	19:03
2024	Jul	01	(Mon)	05:44	06:07	67	12:24	75N	18:40	293	19:03
2024	Jul	02	(Tue)	05:44	06:07	67	12:24	75N	18:41	293	19:03
2024	Jul	03	(Wed)	05:45	06:08	67	12:24	75N	18:41	293	19:03
2024	Jul	04	(Thu)	05:45	06:08	67	12:24	75N	18:41	293	19:04
2024	Jul	05	(Fri)	05:45	06:08	67	12:24	76N	18:41	293	19:04
2024	Jul	06	(Sat)	05:45	06:08	67	12:25	76N	18:41	293	19:04
2024	Jul	07	(Sun)	05:46	06:08	67	12:25	76N	18:41	293	19:04
2024	Jul	08	(Mon)	05:46	06:09	67	12:25	76N	18:41	293	19:04
2024	Jul	09	(Tue)	05:46	06:09	67	12:25	76N	18:41	293	19:04
2024	Jul	10	(Wed)	05:46	06:09	67	12:25	76N	18:41	292	19:04
2024	Jul	11	(Thu)	05:47	06:09	68	12:25	76N	18:41	292	19:04
2024	Jul	12	(Fri)	05:47	06:10	68	12:26	76N	18:41	292	19:04
2024	Jul	13	(Sat)	05:47	06:10	68	12:26	77N	18:41	292	19:04
2024	Jul	14	(Sun)	05:47	06:10	68	12:26	77N	18:41	292	19:04
2024	Jul	15	(Mon)	05:48	06:10	68	12:26	77N	18:41	292	19:04
2024	Jul	16	(Tue)	05:48	06:10	68	12:26	77N	18:41	292	19:04
2024	Jul	17	(Wed)	05:48	06:11	69	12:26	77N	18:41	291	19:04
2024	Jul	18	(Thu)	05:48	06:11	69	12:26	77N	18:41	291	19:04
2024	Jul	19	(Fri)	05:49	06:11	69	12:26	78N	18:41	291	19:04
2024	Jul	20	(Sat)	05:49	06:11	69	12:26	78N	18:41	291	19:04
2024	Jul	21	(Sun)	05:49	06:11	69	12:26	78N	18:41	291	19:04
2024	Jul	22	(Mon)	05:49	06:11	69	12:26	78N	18:41	290	19:03
2024	Jul	23	(Tue)	05:49	06:12	70	12:26	78N	18:41	290	19:03
2024	Jul	24	(Wed)	05:50	06:12	70	12:26	79N	18:41	290	19:03
2024	Jul	25	(Thu)	05:50	06:12	70	12:26	79N	18:41	290	19:03
2024	Jul	26	(Fri)	05:50	06:12	70	12:26	79N	18:41	290	19:03
2024	Jul	27	(Sat)	05:50	06:12	71	12:26	79N	18:40	289	19:03
2024	Jul	28	(Sun)	05:50	06:12	71	12:26	79N	18:40	289	19:02
2024	Jul	29	(Mon)	05:50	06:12	71	12:26	80N	18:40	289	19:02
2024	Jul	30	(Tue)	05:50	06:13	71	12:26	80N	18:40	289	19:02

2024	Jul	31	(Wed)	05:51	06:13	72	12:26	80N	18:40	288	19:02
2024	Aug	01	(Thu)	05:51	06:13	72	12:26	80N	18:39	288	19:01
2024	Aug	02	(Fri)	05:51	06:13	72	12:26	81N	18:39	288	19:01
2024	Aug	03	(Sat)	05:51	06:13	72	12:26	81N	18:39	288	19:01
2024	Aug	04	(Sun)	05:51	06:13	73	12:26	81N	18:39	287	19:01
2024	Aug	05	(Mon)	05:51	06:13	73	12:26	81N	18:38	287	19:00
2024	Aug	06	(Tue)	05:51	06:13	73	12:26	82N	18:38	287	19:00
2024	Aug	07	(Wed)	05:51	06:13	73	12:26	82N	18:38	286	19:00
2024	Aug	08	(Thu)	05:51	06:13	74	12:25	82N	18:38	286	18:59
2024	Aug	09	(Fri)	05:51	06:13	74	12:25	83N	18:37	286	18:59
2024	Aug	10	(Sat)	05:52	06:13	74	12:25	83N	18:37	286	18:59
2024	Aug	11	(Sun)	05:52	06:13	75	12:25	83N	18:37	285	18:58
2024	Aug	12	(Mon)	05:52	06:13	75	12:25	83N	18:36	285	18:58
2024	Aug	13	(Tue)	05:52	06:13	75	12:25	84N	18:36	285	18:58
2024	Aug	14	(Wed)	05:52	06:13	75	12:24	84N	18:36	284	18:57
2024	Aug	15	(Thu)	05:52	06:13	76	12:24	84N	18:35	284	18:57
2024	Aug	16	(Fri)	05:52	06:13	76	12:24	85N	18:35	284	18:56
2024	Aug	17	(Sat)	05:52	06:13	76	12:24	85N	18:34	283	18:56
2024	Aug	18	(Sun)	05:52	06:13	77	12:24	85N	18:34	283	18:55
2024	Aug	19	(Mon)	05:52	06:13	77	12:23	86N	18:34	283	18:55
2024	Aug	20	(Tue)	05:52	06:13	77	12:23	86N	18:33	282	18:54
2024	Aug	21	(Wed)	05:52	06:13	78	12:23	86N	18:33	282	18:54
2024	Aug	22	(Thu)	05:52	06:13	78	12:23	87N	18:32	282	18:54
2024	Aug	23	(Fri)	05:52	06:13	78	12:22	87N	18:32	281	18:53
2024	Aug	24	(Sat)	05:52	06:13	79	12:22	87N	18:31	281	18:53
2024	Aug	25	(Sun)	05:51	06:13	79	12:22	88N	18:31	281	18:52
2024	Aug	26	(Mon)	05:51	06:13	79	12:22	88N	18:30	280	18:52
2024	Aug	27	(Tue)	05:51	06:13	80	12:21	88N	18:30	280	18:51
2024	Aug	28	(Wed)	05:51	06:12	80	12:21	89N	18:29	280	18:51
2024	Aug	29	(Thu)	05:51	06:12	81	12:21	89N	18:29	279	18:50
2024	Aug	30	(Fri)	05:51	06:12	81	12:20	89N	18:28	279	18:49
2024	Aug	31	(Sat)	05:51	06:12	81	12:20	90N	18:28	279	18:49
2024	Sep	01	(Sun)	05:51	06:12	82	12:20	90N	18:27	278	18:48
2024	Sep	02	(Mon)	05:51	06:12	82	12:19	91N	18:27	278	18:48
2024	Sep	03	(Tue)	05:51	06:12	82	12:19	90S	18:26	277	18:47
2024	Sep	04	(Wed)	05:51	06:12	83	12:19	90S	18:26	277	18:47
2024	Sep	05	(Thu)	05:51	06:12	83	12:18	90S	18:25	277	18:46
2024	Sep	06	(Fri)	05:50	06:11	83	12:18	89S	18:25	276	18:46
2024	Sep	07	(Sat)	05:50	06:11	84	12:18	89S	18:24	276	18:45
2024	Sep	08	(Sun)	05:50	06:11	84	12:17	89S	18:24	276	18:45
2024	Sep	09	(Mon)	05:50	06:11	85	12:17	88S	18:23	275	18:44
2024	Sep	10	(Tue)	05:50	06:11	85	12:17	88S	18:22	275	18:43
2024	Sep	11	(Wed)	05:50	06:11	85	12:16	87S	18:22	274	18:43
2024	Sep	12	(Thu)	05:50	06:11	86	12:16	87S	18:21	274	18:42
2024	Sep	13	(Fri)	05:50	06:10	86	12:16	87S	18:21	274	18:42
2024	Sep	14	(Sat)	05:49	06:10	87	12:15	86S	18:20	273	18:41
2024	Sep	15	(Sun)	05:49	06:10	87	12:15	86S	18:20	273	18:41
2024	Sep	16	(Mon)	05:49	06:10	87	12:15	86S	18:19	272	18:40
2024	Sep	17	(Tue)	05:49	06:10	88	12:14	85S	18:19	272	18:39
2024	Sep	18	(Wed)	05:49	06:10	88	12:14	85S	18:18	272	18:39
2024	Sep	19	(Thu)	05:49	06:10	88	12:14	84S	18:17	271	18:38
2024	Sep	20	(Fri)	05:48	06:09	89	12:13	84S	18:17	271	18:38
2024	Sep	21	(Sat)	05:48	06:09	89	12:13	84S	18:16	271	18:37
2024	Sep	22	(Sun)	05:48	06:09	90	12:12	83S	18:16	270	18:37
2024	Sep	23	(Mon)	05:48	06:09	90	12:12	83S	18:15	270	18:36
2024	Sep	24	(Tue)	05:48	06:09	90	12:12	82S	18:15	269	18:35
2024	Sep	25	(Wed)	05:48	06:09	91	12:11	82S	18:14	269	18:35
2024	Sep	26	(Thu)	05:48	06:08	91	12:11	82S	18:13	269	18:34
2024	Sep	27	(Fri)	05:48	06:08	92	12:11	81S	18:13	268	18:34
2024	Sep	28	(Sat)	05:47	06:08	92	12:10	81S	18:12	268	18:33
2024	Sep	29	(Sun)	05:47	06:08	92	12:10	81S	18:12	267	18:33
2024	Sep	30	(Mon)	05:47	06:08	93	12:10	80S	18:11	267	18:32
2024	Oct	01	(Tue)	05:47	06:08	93	12:09	80S	18:11	267	18:32
2024	Oct	02	(Wed)	05:47	06:08	94	12:09	79S	18:10	266	18:31
2024	Oct	03	(Thu)	05:47	06:08	94	12:09	79S	18:10	266	18:31
2024	Oct	04	(Fri)	05:47	06:08	94	12:08	79S	18:09	265	18:30
2024	Oct	05	(Sat)	05:47	06:07	95	12:08	78S	18:09	265	18:30

2024	Oct	06	(Sun)	05:46	06:07	95	12:08	78S	18:08	265	18:29
2024	Oct	07	(Mon)	05:46	06:07	96	12:08	77S	18:08	264	18:29
2024	Oct	08	(Tue)	05:46	06:07	96	12:07	77S	18:07	264	18:28
2024	Oct	09	(Wed)	05:46	06:07	96	12:07	77S	18:07	264	18:28
2024	Oct	10	(Thu)	05:46	06:07	97	12:07	76S	18:06	263	18:27
2024	Oct	11	(Fri)	05:46	06:07	97	12:06	76S	18:06	263	18:27
2024	Oct	12	(Sat)	05:46	06:07	97	12:06	76S	18:05	262	18:26
2024	Oct	13	(Sun)	05:46	06:07	98	12:06	75S	18:05	262	18:26
2024	Oct	14	(Mon)	05:46	06:07	98	12:06	75S	18:05	262	18:26
2024	Oct	15	(Tue)	05:46	06:07	99	12:06	74S	18:04	261	18:25
2024	Oct	16	(Wed)	05:46	06:07	99	12:05	74S	18:04	261	18:25
2024	Oct	17	(Thu)	05:46	06:07	99	12:05	74S	18:03	261	18:24
2024	Oct	18	(Fri)	05:46	06:07	100	12:05	73S	18:03	260	18:24
2024	Oct	19	(Sat)	05:46	06:07	100	12:05	73S	18:03	260	18:24
2024	Oct	20	(Sun)	05:46	06:07	100	12:05	73S	18:02	259	18:23
2024	Oct	21	(Mon)	05:46	06:07	101	12:04	72S	18:02	259	18:23
2024	Oct	22	(Tue)	05:46	06:07	101	12:04	72S	18:02	259	18:23
2024	Oct	23	(Wed)	05:46	06:07	101	12:04	72S	18:01	258	18:22
2024	Oct	24	(Thu)	05:46	06:07	102	12:04	71S	18:01	258	18:22
2024	Oct	25	(Fri)	05:46	06:07	102	12:04	71S	18:01	258	18:22
2024	Oct	26	(Sat)	05:46	06:07	103	12:04	71S	18:00	257	18:22
2024	Oct	27	(Sun)	05:46	06:07	103	12:04	70S	18:00	257	18:21
2024	Oct	28	(Mon)	05:46	06:07	103	12:04	70S	18:00	257	18:21
2024	Oct	29	(Tue)	05:46	06:07	104	12:03	70S	17:59	256	18:21
2024	Oct	30	(Wed)	05:46	06:08	104	12:03	69S	17:59	256	18:21
2024	Oct	31	(Thu)	05:46	06:08	104	12:03	69S	17:59	256	18:21
2024	Nov	01	(Fri)	05:46	06:08	105	12:03	69S	17:59	255	18:20
2024	Nov	02	(Sat)	05:46	06:08	105	12:03	68S	17:59	255	18:20
2024	Nov	03	(Sun)	05:47	06:08	105	12:03	68S	17:58	255	18:20
2024	Nov	04	(Mon)	05:47	06:08	105	12:03	68S	17:58	254	18:20
2024	Nov	05	(Tue)	05:47	06:09	106	12:03	67S	17:58	254	18:20
2024	Nov	06	(Wed)	05:47	06:09	106	12:03	67S	17:58	254	18:20
2024	Nov	07	(Thu)	05:47	06:09	106	12:03	67S	17:58	253	18:20
2024	Nov	08	(Fri)	05:47	06:09	107	12:04	66S	17:58	253	18:20
2024	Nov	09	(Sat)	05:48	06:09	107	12:04	66S	17:58	253	18:20
2024	Nov	10	(Sun)	05:48	06:10	107	12:04	66S	17:58	253	18:20
2024	Nov	11	(Mon)	05:48	06:10	108	12:04	66S	17:58	252	18:20
2024	Nov	12	(Tue)	05:48	06:10	108	12:04	65S	17:58	252	18:20
2024	Nov	13	(Wed)	05:49	06:10	108	12:04	65S	17:58	252	18:20
2024	Nov	14	(Thu)	05:49	06:11	108	12:04	65S	17:58	252	18:20
2024	Nov	15	(Fri)	05:49	06:11	109	12:04	65S	17:58	251	18:20
2024	Nov	16	(Sat)	05:49	06:11	109	12:05	64S	17:58	251	18:20
2024	Nov	17	(Sun)	05:50	06:12	109	12:05	64S	17:58	251	18:20
2024	Nov	18	(Mon)	05:50	06:12	109	12:05	64S	17:58	251	18:20
2024	Nov	19	(Tue)	05:50	06:12	110	12:05	64S	17:58	250	18:20
2024	Nov	20	(Wed)	05:51	06:13	110	12:05	63S	17:58	250	18:20
2024	Nov	21	(Thu)	05:51	06:13	110	12:06	63S	17:58	250	18:20
2024	Nov	22	(Fri)	05:51	06:14	110	12:06	63S	17:58	250	18:21
2024	Nov	23	(Sat)	05:52	06:14	110	12:06	63S	17:58	249	18:21
2024	Nov	24	(Sun)	05:52	06:14	111	12:07	62S	17:59	249	18:21
2024	Nov	25	(Mon)	05:52	06:15	111	12:07	62S	17:59	249	18:21
2024	Nov	26	(Tue)	05:53	06:15	111	12:07	62S	17:59	249	18:21
2024	Nov	27	(Wed)	05:53	06:16	111	12:07	62S	17:59	249	18:22
2024	Nov	28	(Thu)	05:54	06:16	111	12:08	62S	18:00	248	18:22
2024	Nov	29	(Fri)	05:54	06:16	112	12:08	62S	18:00	248	18:22
2024	Nov	30	(Sat)	05:55	06:17	112	12:09	61S	18:00	248	18:22
2024	Dec	01	(Sun)	05:55	06:17	112	12:09	61S	18:00	248	18:23
2024	Dec	02	(Mon)	05:55	06:18	112	12:09	61S	18:01	248	18:23
2024	Dec	03	(Tue)	05:56	06:18	112	12:10	61S	18:01	248	18:23
2024	Dec	04	(Wed)	05:56	06:19	112	12:10	61S	18:01	248	18:24
2024	Dec	05	(Thu)	05:57	06:19	112	12:10	61S	18:02	247	18:24
2024	Dec	06	(Fri)	05:57	06:20	113	12:11	61S	18:02	247	18:24
2024	Dec	07	(Sat)	05:58	06:20	113	12:11	60S	18:02	247	18:25
2024	Dec	08	(Sun)	05:58	06:21	113	12:12	60S	18:03	247	18:25
2024	Dec	09	(Mon)	05:59	06:21	113	12:12	60S	18:03	247	18:26
2024	Dec	10	(Tue)	05:59	06:22	113	12:13	60S	18:03	247	18:26
2024	Dec	11	(Wed)	06:00	06:22	113	12:13	60S	18:04	247	18:27

2024	Dec 12	(Thu)	06:00	06:23	113	12:14	60S	18:04	247	18:27
2024	Dec 13	(Fri)	06:01	06:23	113	12:14	60S	18:05	247	18:27
2024	Dec 14	(Sat)	06:01	06:24	113	12:15	60S	18:05	247	18:28
2024	Dec 15	(Sun)	06:02	06:24	113	12:15	60S	18:06	247	18:28
2024	Dec 16	(Mon)	06:02	06:25	113	12:16	60S	18:06	247	18:29
2024	Dec 17	(Tue)	06:03	06:25	113	12:16	60S	18:07	247	18:29
2024	Dec 18	(Wed)	06:03	06:26	113	12:16	60S	18:07	246	18:30
2024	Dec 19	(Thu)	06:04	06:26	114	12:17	60S	18:08	246	18:30
2024	Dec 20	(Fri)	06:04	06:27	114	12:17	60S	18:08	246	18:31
2024	Dec 21	(Sat)	06:05	06:27	114	12:18	60S	18:09	246	18:31
2024	Dec 22	(Sun)	06:05	06:28	114	12:18	60S	18:09	246	18:32
2024	Dec 23	(Mon)	06:06	06:28	114	12:19	60S	18:10	246	18:32
2024	Dec 24	(Tue)	06:06	06:29	114	12:19	60S	18:10	246	18:33
2024	Dec 25	(Wed)	06:07	06:29	113	12:20	60S	18:11	247	18:33
2024	Dec 26	(Thu)	06:07	06:30	113	12:20	60S	18:11	247	18:34
2024	Dec 27	(Fri)	06:08	06:30	113	12:21	60S	18:12	247	18:34
2024	Dec 28	(Sat)	06:08	06:31	113	12:21	60S	18:12	247	18:35
2024	Dec 29	(Sun)	06:09	06:31	113	12:22	60S	18:13	247	18:35
2024	Dec 30	(Mon)	06:09	06:32	113	12:22	60S	18:13	247	18:36
2024	Dec 31	(Tue)	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	°
2024	Jan 01	(Mon)	22:37	81	04:11	85N	10:27	282
2024	Jan 02	(Tue)	23:19	86	04:51	90N	11:04	276
2024	Jan 03	(Wed)			05:30	85S	11:40	271
2024	Jan 04	(Thu)	00:01	92	06:10	79S	12:16	265
2024	Jan 05	(Fri)	00:44	98	06:50	74S	12:54	259
2024	Jan 06	(Sat)	01:30	104	07:33	68S	13:35	254
2024	Jan 07	(Sun)	02:19	109	08:20	63S	14:19	249
2024	Jan 08	(Mon)	03:12	113	09:11	59S	15:10	245
2024	Jan 09	(Tue)	04:10	117	10:08	56S	16:06	242
2024	Jan 10	(Wed)	05:12	118	11:10	54S	17:08	242
2024	Jan 11	(Thu)	06:15	118	12:14	55S	18:13	243
2024	Jan 12	(Fri)	07:17	116	13:17	58S	19:17	246
2024	Jan 13	(Sat)	08:15	111	14:16	63S	20:19	251
2024	Jan 14	(Sun)	09:07	106	15:11	69S	21:17	258
2024	Jan 15	(Mon)	09:56	99	16:03	76S	22:12	265
2024	Jan 16	(Tue)	10:41	92	16:52	83S	23:04	272
2024	Jan 17	(Wed)	11:25	85	17:40	90S	23:56	278
2024	Jan 18	(Thu)	12:10	78	18:28	85N		
2024	Jan 19	(Fri)	12:55	72	19:17	79N	00:47	285
2024	Jan 20	(Sat)	13:43	68	20:09	75N	01:41	290
2024	Jan 21	(Sun)	14:34	64	21:02	72N	02:35	294
2024	Jan 22	(Mon)	15:27	62	21:57	70N	03:32	297
2024	Jan 23	(Tue)	16:22	62	22:53	70N	04:28	298
2024	Jan 24	(Wed)	17:17	63	23:46	71N	05:22	298
2024	Jan 25	(Thu)	18:10	65			06:14	296
2024	Jan 26	(Fri)	19:01	69	00:37	74N	07:01	293
2024	Jan 27	(Sat)	19:48	74	01:24	78N	07:45	289
2024	Jan 28	(Sun)	20:32	79	02:07	83N	08:25	284
2024	Jan 29	(Mon)	21:15	84	02:48	89N	09:03	278
2024	Jan 30	(Tue)	21:57	90	03:28	87S	09:39	273
2024	Jan 31	(Wed)	22:40	96	04:07	81S	10:14	267
2024	Feb 01	(Thu)	23:23	102	04:46	76S	10:51	261
2024	Feb 02	(Fri)			05:27	70S	11:29	256
2024	Feb 03	(Sat)	00:09	107	06:11	65S	12:11	251
2024	Feb 04	(Sun)	00:59	112	06:59	60S	12:57	246

2024 Feb 05 (Mon)	01:54 115	07:52 57S	13:50 243
2024 Feb 06 (Tue)	02:52 118	08:50 55S	14:48 242
2024 Feb 07 (Wed)	03:54 119	09:52 54S	15:50 242
2024 Feb 08 (Thu)	04:56 117	10:55 56S	16:55 244
2024 Feb 09 (Fri)	05:57 114	11:57 60S	17:59 249
2024 Feb 10 (Sat)	06:53 109	12:56 66S	19:00 254
2024 Feb 11 (Sun)	07:44 102	13:50 73S	19:58 261
2024 Feb 12 (Mon)	08:33 95	14:42 80S	20:53 269
2024 Feb 13 (Tue)	09:19 88	15:32 87S	21:47 276
2024 Feb 14 (Wed)	10:05 81	16:22 87N	22:41 283
2024 Feb 15 (Thu)	10:51 74	17:12 81N	23:35 289
2024 Feb 16 (Fri)	11:40 69	18:04 76N	
2024 Feb 17 (Sat)	12:30 65	18:58 72N	00:31 293
2024 Feb 18 (Sun)	13:23 62	19:53 70N	01:27 297
2024 Feb 19 (Mon)	14:18 61	20:48 70N	02:24 298
2024 Feb 20 (Tue)	15:13 62	21:42 71N	03:18 298
2024 Feb 21 (Wed)	16:06 64	22:33 73N	04:11 297
2024 Feb 22 (Thu)	16:57 68	23:21 77N	04:59 294
2024 Feb 23 (Fri)	17:45 72		05:43 290
2024 Feb 24 (Sat)	18:30 77	00:05 81N	06:24 286
2024 Feb 25 (Sun)	19:13 83	00:47 87N	07:02 280
2024 Feb 26 (Mon)	19:55 88	01:27 89S	07:39 275
2024 Feb 27 (Tue)	20:37 94	02:06 83S	08:14 269
2024 Feb 28 (Wed)	21:20 100	02:45 77S	08:50 263
2024 Feb 29 (Thu)	22:05 105	03:25 72S	09:28 257
2024 Mar 01 (Fri)	22:53 110	04:07 66S	10:08 252
2024 Mar 02 (Sat)	23:44 114	04:53 62S	10:51 248
2024 Mar 03 (Sun)		05:42 58S	11:40 244
2024 Mar 04 (Mon)	00:40 117	06:37 55S	12:34 242
2024 Mar 05 (Tue)	01:38 119	07:35 54S	13:32 241
2024 Mar 06 (Wed)	02:39 118	08:36 55S	14:34 243
2024 Mar 07 (Thu)	03:38 116	09:37 58S	15:37 246
2024 Mar 08 (Fri)	04:35 112	10:36 62S	16:39 251
2024 Mar 09 (Sat)	05:28 106	11:32 69S	17:38 257
2024 Mar 10 (Sun)	06:18 99	12:26 76S	18:35 265
2024 Mar 11 (Mon)	07:06 91	13:18 83S	19:31 272
2024 Mar 12 (Tue)	07:54 84	14:09 90N	20:27 280
2024 Mar 13 (Wed)	08:41 77	15:01 84N	21:23 286
2024 Mar 14 (Thu)	09:31 71	15:54 78N	22:20 292
2024 Mar 15 (Fri)	10:22 66	16:49 73N	23:18 296
2024 Mar 16 (Sat)	11:16 63	17:46 70N	
2024 Mar 17 (Sun)	12:12 61	18:43 69N	00:16 298
2024 Mar 18 (Mon)	13:08 62	19:38 70N	01:13 299
2024 Mar 19 (Tue)	14:02 63	20:30 72N	02:07 298
2024 Mar 20 (Wed)	14:53 66	21:18 76N	02:57 295
2024 Mar 21 (Thu)	15:42 70	22:04 80N	03:42 292
2024 Mar 22 (Fri)	16:28 75	22:46 85N	04:24 287
2024 Mar 23 (Sat)	17:12 81	23:26 90N	05:02 282
2024 Mar 24 (Sun)	17:54 86		05:39 276
2024 Mar 25 (Mon)	18:36 92	00:05 85S	06:15 271
2024 Mar 26 (Tue)	19:19 98	00:44 79S	06:51 265
2024 Mar 27 (Wed)	20:03 104	01:24 73S	07:28 259
2024 Mar 28 (Thu)	20:50 109	02:06 68S	08:07 254
2024 Mar 29 (Fri)	21:40 113	02:50 63S	08:49 249
2024 Mar 30 (Sat)	22:33 117	03:38 59S	09:36 245
2024 Mar 31 (Sun)	23:30 118	04:31 56S	10:27 242
2024 Apr 01 (Mon)		05:27 54S	11:23 241
2024 Apr 02 (Tue)	00:28 119	06:25 54S	12:22 242
2024 Apr 03 (Wed)	01:26 117	07:24 56S	13:23 244
2024 Apr 04 (Thu)	02:22 114	08:22 60S	14:23 248
2024 Apr 05 (Fri)	03:15 109	09:17 65S	15:21 254
2024 Apr 06 (Sat)	04:05 103	10:11 72S	16:18 261
2024 Apr 07 (Sun)	04:53 95	11:02 79S	17:13 268
2024 Apr 08 (Mon)	05:40 88	11:53 87S	18:08 276
2024 Apr 09 (Tue)	06:27 81	12:45 87N	19:05 283
2024 Apr 10 (Wed)	07:16 74	13:38 81N	20:02 289
2024 Apr 11 (Thu)	08:08 68	14:34 75N	21:02 294

2024 Apr 12 (Fri)	09:03 64	15:32 71N	22:03 297
2024 Apr 13 (Sat)	10:00 62	16:31 70N	23:02 299
2024 Apr 14 (Sun)	10:58 61	17:29 70N	23:59 298
2024 Apr 15 (Mon)	11:54 62	18:23 71N	
2024 Apr 16 (Tue)	12:48 65	19:14 74N	00:51 296
2024 Apr 17 (Wed)	13:38 69	20:01 78N	01:39 293
2024 Apr 18 (Thu)	14:25 73	20:44 83N	02:22 289
2024 Apr 19 (Fri)	15:09 79	21:25 88N	03:02 284
2024 Apr 20 (Sat)	15:52 84	22:04 87S	03:39 278
2024 Apr 21 (Sun)	16:34 90	22:43 81S	04:15 273
2024 Apr 22 (Mon)	17:16 96	23:23 75S	04:51 267
2024 Apr 23 (Tue)	18:00 102		05:27 261
2024 Apr 24 (Wed)	18:47 107	00:04 70S	06:06 255
2024 Apr 25 (Thu)	19:36 112	00:48 64S	06:48 250
2024 Apr 26 (Fri)	20:29 116	01:35 60S	07:34 246
2024 Apr 27 (Sat)	21:25 118	02:27 57S	08:24 243
2024 Apr 28 (Sun)	22:23 119	03:22 54S	09:18 241
2024 Apr 29 (Mon)	23:21 118	04:20 54S	10:16 241
2024 Apr 30 (Tue)		05:18 56S	11:16 243
2024 May 01 (Wed)	00:16 115	06:15 59S	12:15 247
2024 May 02 (Thu)	01:09 111	07:10 63S	13:12 252
2024 May 03 (Fri)	01:58 105	08:02 69S	14:07 258
2024 May 04 (Sat)	02:45 99	08:52 76S	15:01 265
2024 May 05 (Sun)	03:30 91	09:41 83S	15:54 272
2024 May 06 (Mon)	04:16 84	10:31 91N	16:48 280
2024 May 07 (Tue)	05:03 77	11:23 84N	17:45 286
2024 May 08 (Wed)	05:53 71	12:17 78N	18:43 292
2024 May 09 (Thu)	06:47 66	13:15 73N	19:44 296
2024 May 10 (Fri)	07:44 63	14:14 70N	20:46 298
2024 May 11 (Sat)	08:43 61	15:14 69N	21:45 299
2024 May 12 (Sun)	09:41 62	16:12 70N	22:41 297
2024 May 13 (Mon)	10:38 64	17:05 73N	23:32 294
2024 May 14 (Tue)	11:30 67	17:55 77N	
2024 May 15 (Wed)	12:19 72	18:40 81N	00:18 291
2024 May 16 (Thu)	13:05 77	19:22 86N	00:59 286
2024 May 17 (Fri)	13:48 82	20:02 89S	01:37 280
2024 May 18 (Sat)	14:30 88	20:41 83S	02:14 275
2024 May 19 (Sun)	15:13 94	21:20 78S	02:50 269
2024 May 20 (Mon)	15:56 100	22:00 72S	03:26 263
2024 May 21 (Tue)	16:41 105	22:43 66S	04:04 257
2024 May 22 (Wed)	17:30 110	23:30 62S	04:44 252
2024 May 23 (Thu)	18:22 114		05:29 248
2024 May 24 (Fri)	19:18 117	00:21 58S	06:18 244
2024 May 25 (Sat)	20:17 119	01:16 55S	07:12 242
2024 May 26 (Sun)	21:15 118	02:14 54S	08:10 241
2024 May 27 (Mon)	22:12 116	03:13 55S	09:10 243
2024 May 28 (Tue)	23:06 112	04:11 58S	10:10 246
2024 May 29 (Wed)	23:55 107	05:06 62S	11:07 250
2024 May 30 (Thu)		05:58 68S	12:02 256
2024 May 31 (Fri)	00:42 101	06:48 74S	12:55 263
2024 Jun 01 (Sat)	01:27 94	07:36 81S	13:47 270
2024 Jun 02 (Sun)	02:11 87	08:24 88S	14:39 277
2024 Jun 03 (Mon)	02:56 80	09:13 86N	15:33 284
2024 Jun 04 (Tue)	03:43 73	10:05 80N	16:29 290
2024 Jun 05 (Wed)	04:34 68	11:00 75N	17:28 294
2024 Jun 06 (Thu)	05:29 64	11:58 72N	18:29 297
2024 Jun 07 (Fri)	06:27 62	12:58 70N	19:30 299
2024 Jun 08 (Sat)	07:26 61	13:57 70N	20:28 298
2024 Jun 09 (Sun)	08:24 63	14:54 72N	21:22 296
2024 Jun 10 (Mon)	09:20 66	15:46 75N	22:10 292
2024 Jun 11 (Tue)	10:11 70	16:33 79N	22:54 288
2024 Jun 12 (Wed)	10:58 75	17:17 84N	23:34 282
2024 Jun 13 (Thu)	11:43 80	17:58 90N	
2024 Jun 14 (Fri)	12:26 86	18:37 86S	00:11 277
2024 Jun 15 (Sat)	13:08 92	19:16 80S	00:47 271
2024 Jun 16 (Sun)	13:50 98	19:56 74S	01:23 265
2024 Jun 17 (Mon)	14:34 103	20:37 68S	02:00 260

2024 Jun 18 (Tue)	15:21 108	21:22 63S	02:39 254
2024 Jun 19 (Wed)	16:12 113	22:11 59S	03:22 249
2024 Jun 20 (Thu)	17:07 116	23:05 56S	04:09 245
2024 Jun 21 (Fri)	18:06 118		05:02 243
2024 Jun 22 (Sat)	19:05 119	00:03 54S	06:00 241
2024 Jun 23 (Sun)	20:04 117	01:03 55S	07:01 242
2024 Jun 24 (Mon)	21:00 113	02:03 57S	08:02 245
2024 Jun 25 (Tue)	21:52 108	03:00 61S	09:01 249
2024 Jun 26 (Wed)	22:40 102	03:54 66S	09:58 254
2024 Jun 27 (Thu)	23:26 96	04:45 72S	10:52 261
2024 Jun 28 (Fri)		05:34 79S	11:44 268
2024 Jun 29 (Sat)	00:09 89	06:21 86S	12:35 275
2024 Jun 30 (Sun)	00:53 82	07:09 88N	13:28 282
2024 Jul 01 (Mon)	01:39 75	07:59 82N	14:22 288
2024 Jul 02 (Tue)	02:28 70	08:52 77N	15:18 293
2024 Jul 03 (Wed)	03:20 65	09:48 73N	16:17 296
2024 Jul 04 (Thu)	04:16 62	10:46 70N	17:17 298
2024 Jul 05 (Fri)	05:14 61	11:45 70N	18:16 298
2024 Jul 06 (Sat)	06:12 62	12:42 71N	19:11 297
2024 Jul 07 (Sun)	07:09 65	13:36 74N	20:02 294
2024 Jul 08 (Mon)	08:02 68	14:26 78N	20:48 289
2024 Jul 09 (Tue)	08:51 73	15:11 82N	21:30 284
2024 Jul 10 (Wed)	09:37 78	15:53 88N	22:08 279
2024 Jul 11 (Thu)	10:20 84	16:33 88S	22:44 273
2024 Jul 12 (Fri)	11:03 90	17:12 82S	23:20 267
2024 Jul 13 (Sat)	11:45 95	17:51 76S	23:56 262
2024 Jul 14 (Sun)	12:28 101	18:31 70S	
2024 Jul 15 (Mon)	13:13 106	19:14 65S	00:34 256
2024 Jul 16 (Tue)	14:02 111	20:01 61S	01:15 251
2024 Jul 17 (Wed)	14:54 115	20:52 57S	02:00 247
2024 Jul 18 (Thu)	15:51 118	21:48 55S	02:50 243
2024 Jul 19 (Fri)	16:50 119	22:48 54S	03:45 242
2024 Jul 20 (Sat)	17:51 118	23:49 56S	04:45 241
2024 Jul 21 (Sun)	18:49 115		05:47 243
2024 Jul 22 (Mon)	19:44 110	00:48 59S	06:49 247
2024 Jul 23 (Tue)	20:35 105	01:45 64S	07:48 252
2024 Jul 24 (Wed)	21:22 98	02:39 70S	08:45 259
2024 Jul 25 (Thu)	22:07 91	03:30 77S	09:39 266
2024 Jul 26 (Fri)	22:52 84	04:18 84S	10:31 273
2024 Jul 27 (Sat)	23:37 77	05:07 90N	11:24 280
2024 Jul 28 (Sun)		05:57 84N	12:18 286
2024 Jul 29 (Mon)	00:25 71	06:48 78N	13:13 292
2024 Jul 30 (Tue)	01:16 66	07:43 73N	14:11 296
2024 Jul 31 (Wed)	02:10 63	08:39 71N	15:10 298
2024 Aug 01 (Thu)	03:06 61	09:37 69N	16:08 299
2024 Aug 02 (Fri)	04:04 62	10:34 70N	17:04 298
2024 Aug 03 (Sat)	05:00 63	11:29 72N	17:56 295
2024 Aug 04 (Sun)	05:54 67	12:19 76N	18:43 291
2024 Aug 05 (Mon)	06:45 71	13:06 81N	19:26 286
2024 Aug 06 (Tue)	07:32 76	13:49 86N	20:05 281
2024 Aug 07 (Wed)	08:16 82	14:30 90S	20:42 275
2024 Aug 08 (Thu)	08:59 88	15:09 84S	21:18 269
2024 Aug 09 (Fri)	09:40 93	15:48 78S	21:54 264
2024 Aug 10 (Sat)	10:23 99	16:27 72S	22:31 258
2024 Aug 11 (Sun)	11:07 105	17:09 67S	23:09 253
2024 Aug 12 (Mon)	11:53 110	17:53 62S	23:52 248
2024 Aug 13 (Tue)	12:43 114	18:41 58S	
2024 Aug 14 (Wed)	13:37 117	19:34 55S	00:39 245
2024 Aug 15 (Thu)	14:34 119	20:31 54S	01:31 242
2024 Aug 16 (Fri)	15:34 119	21:31 54S	02:28 241
2024 Aug 17 (Sat)	16:33 117	22:31 57S	03:29 242
2024 Aug 18 (Sun)	17:29 113	23:30 61S	04:31 245
2024 Aug 19 (Mon)	18:23 107		05:32 250
2024 Aug 20 (Tue)	19:13 101	00:26 67S	06:31 256
2024 Aug 21 (Wed)	20:00 94	01:19 74S	07:27 263
2024 Aug 22 (Thu)	20:46 86	02:10 81S	08:22 270
2024 Aug 23 (Fri)	21:33 79	03:00 89S	09:16 277

2024 Aug 24 (Sat)	22:21	73	03:51	86N	10:11	284
2024 Aug 25 (Sun)	23:12	67	04:43	79N	11:08	290
2024 Aug 26 (Mon)			05:38	75N	12:06	295
2024 Aug 27 (Tue)	00:05	64	06:35	71N	13:05	298
2024 Aug 28 (Wed)	01:02	62	07:32	69N	14:04	299
2024 Aug 29 (Thu)	01:59	61	08:30	70N	15:00	298
2024 Aug 30 (Fri)	02:55	63	09:25	71N	15:53	296
2024 Aug 31 (Sat)	03:50	65	10:16	75N	16:41	293
2024 Sep 01 (Sun)	04:41	69	11:03	79N	17:24	288
2024 Sep 02 (Mon)	05:28	74	11:47	84N	18:05	283
2024 Sep 03 (Tue)	06:13	80	12:28	90N	18:42	277
2024 Sep 04 (Wed)	06:56	86	13:08	86S	19:18	271
2024 Sep 05 (Thu)	07:38	91	13:47	80S	19:54	266
2024 Sep 06 (Fri)	08:20	97	14:26	74S	20:30	260
2024 Sep 07 (Sat)	09:03	103	15:06	69S	21:07	255
2024 Sep 08 (Sun)	09:48	108	15:49	64S	21:48	250
2024 Sep 09 (Mon)	10:36	112	16:35	59S	22:32	246
2024 Sep 10 (Tue)	11:28	116	17:25	56S	23:21	243
2024 Sep 11 (Wed)	12:22	118	18:19	54S		
2024 Sep 12 (Thu)	13:19	119	19:16	54S	00:15	241
2024 Sep 13 (Fri)	14:17	118	20:14	55S	01:12	241
2024 Sep 14 (Sat)	15:13	115	21:13	59S	02:12	243
2024 Sep 15 (Sun)	16:08	111	22:09	64S	03:13	247
2024 Sep 16 (Mon)	16:59	104	23:03	70S	04:12	252
2024 Sep 17 (Tue)	17:47	97	23:55	77S	05:09	259
2024 Sep 18 (Wed)	18:35	90			06:06	266
2024 Sep 19 (Thu)	19:22	82	00:47	85S	07:01	274
2024 Sep 20 (Fri)	20:11	75	01:39	89N	07:57	281
2024 Sep 21 (Sat)	21:03	69	02:32	82N	08:55	288
2024 Sep 22 (Sun)	21:57	65	03:28	76N	09:55	293
2024 Sep 23 (Mon)	22:54	62	04:26	72N	10:56	297
2024 Sep 24 (Tue)	23:53	61	05:25	70N	11:57	299
2024 Sep 25 (Wed)			06:24	69N	12:55	299
2024 Sep 26 (Thu)	00:51	62	07:21	71N	13:49	297
2024 Sep 27 (Fri)	01:46	64	08:13	73N	14:39	294
2024 Sep 28 (Sat)	02:38	68	09:02	77N	15:24	290
2024 Sep 29 (Sun)	03:26	73	09:46	82N	16:05	285
2024 Sep 30 (Mon)	04:11	78	10:28	88N	16:43	279
2024 Oct 01 (Tue)	04:55	84	11:08	88S	17:19	273
2024 Oct 02 (Wed)	05:37	90	11:46	82S	17:54	268
2024 Oct 03 (Thu)	06:19	95	12:25	76S	18:30	262
2024 Oct 04 (Fri)	07:01	101	13:05	71S	19:07	256
2024 Oct 05 (Sat)	07:46	106	13:47	65S	19:47	251
2024 Oct 06 (Sun)	08:33	111	14:32	61S	20:30	247
2024 Oct 07 (Mon)	09:23	115	15:20	57S	21:17	244
2024 Oct 08 (Tue)	10:16	118	16:12	55S	22:08	242
2024 Oct 09 (Wed)	11:11	119	17:07	54S	23:03	241
2024 Oct 10 (Thu)	12:07	119	18:03	55S		
2024 Oct 11 (Fri)	13:02	117	19:00	57S	00:00	242
2024 Oct 12 (Sat)	13:55	113	19:55	61S	00:59	245
2024 Oct 13 (Sun)	14:46	108	20:48	67S	01:56	250
2024 Oct 14 (Mon)	15:34	101	21:40	73S	02:53	255
2024 Oct 15 (Tue)	16:21	94	22:31	81S	03:48	262
2024 Oct 16 (Wed)	17:08	86	23:22	89S	04:43	270
2024 Oct 17 (Thu)	17:56	79			05:39	277
2024 Oct 18 (Fri)	18:47	72	00:15	86N	06:36	285
2024 Oct 19 (Sat)	19:42	67	01:11	79N	07:36	291
2024 Oct 20 (Sun)	20:40	63	02:10	74N	08:39	295
2024 Oct 21 (Mon)	21:40	61	03:11	71N	09:42	298
2024 Oct 22 (Tue)	22:41	61	04:12	69N	10:44	299
2024 Oct 23 (Wed)	23:39	63	05:12	70N	11:42	298
2024 Oct 24 (Thu)			06:07	72N	12:35	295
2024 Oct 25 (Fri)	00:33	67	06:58	76N	13:22	291
2024 Oct 26 (Sat)	01:23	71	07:44	81N	14:04	286
2024 Oct 27 (Sun)	02:09	76	08:27	86N	14:43	281
2024 Oct 28 (Mon)	02:53	82	09:07	90S	15:20	275
2024 Oct 29 (Tue)	03:35	88	09:46	84S	15:55	269

2024 Oct 30 (Wed)	04:17 93	10:25 78S	16:31 264
2024 Oct 31 (Thu)	05:00 99	11:04 72S	17:07 258
2024 Nov 01 (Fri)	05:44 105	11:46 67S	17:46 253
2024 Nov 02 (Sat)	06:30 110	12:30 62S	18:28 248
2024 Nov 03 (Sun)	07:19 114	13:17 58S	19:14 245
2024 Nov 04 (Mon)	08:12 117	14:08 55S	20:05 242
2024 Nov 05 (Tue)	09:06 119	15:02 54S	20:58 241
2024 Nov 06 (Wed)	10:02 119	15:58 54S	21:55 242
2024 Nov 07 (Thu)	10:57 117	16:54 56S	22:52 244
2024 Nov 08 (Fri)	11:49 114	17:48 60S	23:48 248
2024 Nov 09 (Sat)	12:39 110	18:40 65S	
2024 Nov 10 (Sun)	13:26 104	19:30 71S	00:43 253
2024 Nov 11 (Mon)	14:12 97	20:19 77S	01:36 259
2024 Nov 12 (Tue)	14:57 90	21:08 85S	02:29 266
2024 Nov 13 (Wed)	15:43 83	21:59 89N	03:22 274
2024 Nov 14 (Thu)	16:31 76	22:52 82N	04:17 281
2024 Nov 15 (Fri)	17:24 70	23:49 76N	05:15 288
2024 Nov 16 (Sat)	18:21 65		06:17 293
2024 Nov 17 (Sun)	19:21 62	00:50 72N	07:21 297
2024 Nov 18 (Mon)	20:24 61	01:53 70N	08:25 299
2024 Nov 19 (Tue)	21:25 62	02:56 70N	09:27 298
2024 Nov 20 (Wed)	22:22 65	03:55 71N	10:24 296
2024 Nov 21 (Thu)	23:16 69	04:49 75N	11:15 293
2024 Nov 22 (Fri)		05:39 79N	12:00 288
2024 Nov 23 (Sat)	00:04 74	06:23 84N	12:41 283
2024 Nov 24 (Sun)	00:50 80	07:05 90N	13:18 277
2024 Nov 25 (Mon)	01:33 86	07:44 86S	13:54 271
2024 Nov 26 (Tue)	02:14 91	08:23 80S	14:30 266
2024 Nov 27 (Wed)	02:57 97	09:02 74S	15:06 260
2024 Nov 28 (Thu)	03:40 103	09:43 69S	15:44 255
2024 Nov 29 (Fri)	04:25 108	10:26 64S	16:25 250
2024 Nov 30 (Sat)	05:14 112	11:13 60S	17:10 246
2024 Dec 01 (Sun)	06:06 116	12:03 56S	18:00 243
2024 Dec 02 (Mon)	07:00 118	12:57 54S	18:53 241
2024 Dec 03 (Tue)	07:57 119	13:53 54S	19:50 242
2024 Dec 04 (Wed)	08:52 118	14:49 56S	20:47 243
2024 Dec 05 (Thu)	09:46 115	15:44 59S	21:44 247
2024 Dec 06 (Fri)	10:37 111	16:37 63S	22:39 252
2024 Dec 07 (Sat)	11:24 106	17:27 69S	23:31 257
2024 Dec 08 (Sun)	12:09 99	18:15 75S	
2024 Dec 09 (Mon)	12:52 93	19:02 82S	00:23 264
2024 Dec 10 (Tue)	13:36 85	19:50 89S	01:14 271
2024 Dec 11 (Wed)	14:22 79	20:40 85N	02:06 278
2024 Dec 12 (Thu)	15:10 72	21:34 79N	03:01 285
2024 Dec 13 (Fri)	16:04 67	22:31 74N	03:59 291
2024 Dec 14 (Sat)	17:02 63	23:33 71N	05:00 295
2024 Dec 15 (Sun)	18:03 61		06:04 298
2024 Dec 16 (Mon)	19:06 62	00:36 70N	07:08 299
2024 Dec 17 (Tue)	20:07 64	01:37 70N	08:08 297
2024 Dec 18 (Wed)	21:03 68	02:35 73N	09:03 294
2024 Dec 19 (Thu)	21:55 72	03:28 77N	09:51 290
2024 Dec 20 (Fri)	22:43 78	04:16 82N	10:35 285
2024 Dec 21 (Sat)	23:27 83	04:59 87N	11:15 279
2024 Dec 22 (Sun)		05:40 88S	11:52 274
2024 Dec 23 (Mon)	00:10 89	06:19 82S	12:28 268
2024 Dec 24 (Tue)	00:52 95	06:58 76S	13:03 262
2024 Dec 25 (Wed)	01:34 101	07:38 71S	13:41 256
2024 Dec 26 (Thu)	02:19 106	08:20 66S	14:20 251
2024 Dec 27 (Fri)	03:06 111	09:05 61S	15:04 247
2024 Dec 28 (Sat)	03:57 115	09:54 57S	15:52 244
2024 Dec 29 (Sun)	04:51 117	10:47 55S	16:44 242
2024 Dec 30 (Mon)	05:47 119	11:44 54S	17:40 241
2024 Dec 31 (Tue)	06:44 118	12:41 55S	18:39 243