

Sun

Phitsanulok

Location: E100°15'36.0", N16°48'54.0", 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)	05:58	06:48 114		12:23 51S	17:57 246		18:47
2025 Jan 02 (Thu)	05:58	06:48 114		12:23 51S	17:58 246		18:48
2025 Jan 03 (Fri)	05:58	06:49 114		12:23 51S	17:58 246		18:49
2025 Jan 04 (Sat)	05:59	06:49 114		12:24 51S	17:59 247		18:49
2025 Jan 05 (Sun)	05:59	06:49 113		12:24 51S	17:59 247		18:50
2025 Jan 06 (Mon)	05:59	06:50 113		12:25 51S	18:00 247		18:50
2025 Jan 07 (Tue)	06:00	06:50 113		12:25 52S	18:01 247		18:51
2025 Jan 08 (Wed)	06:00	06:50 113		12:26 52S	18:01 247		18:51
2025 Jan 09 (Thu)	06:00	06:50 113		12:26 52S	18:02 247		18:52
2025 Jan 10 (Fri)	06:01	06:51 113		12:26 52S	18:02 247		18:52
2025 Jan 11 (Sat)	06:01	06:51 113		12:27 52S	18:03 248		18:53
2025 Jan 12 (Sun)	06:01	06:51 112		12:27 52S	18:04 248		18:54
2025 Jan 13 (Mon)	06:01	06:51 112		12:28 52S	18:04 248		18:54
2025 Jan 14 (Tue)	06:01	06:51 112		12:28 53S	18:05 248		18:55
2025 Jan 15 (Wed)	06:02	06:51 112		12:28 53S	18:06 248		18:55
2025 Jan 16 (Thu)	06:02	06:51 112		12:29 53S	18:06 248		18:56
2025 Jan 17 (Fri)	06:02	06:51 111		12:29 53S	18:07 249		18:56
2025 Jan 18 (Sat)	06:02	06:52 111		12:29 53S	18:07 249		18:57
2025 Jan 19 (Sun)	06:02	06:52 111		12:30 54S	18:08 249		18:57
2025 Jan 20 (Mon)	06:02	06:52 111		12:30 54S	18:08 249		18:58
2025 Jan 21 (Tue)	06:02	06:52 111		12:30 54S	18:09 250		18:58
2025 Jan 22 (Wed)	06:02	06:52 110		12:31 54S	18:10 250		18:59
2025 Jan 23 (Thu)	06:02	06:51 110		12:31 55S	18:10 250		18:59
2025 Jan 24 (Fri)	06:02	06:51 110		12:31 55S	18:11 250		19:00
2025 Jan 25 (Sat)	06:02	06:51 110		12:31 55S	18:11 251		19:00
2025 Jan 26 (Sun)	06:02	06:51 109		12:31 55S	18:12 251		19:01
2025 Jan 27 (Mon)	06:02	06:51 109		12:32 56S	18:12 251		19:01
2025 Jan 28 (Tue)	06:02	06:51 109		12:32 56S	18:13 251		19:02
2025 Jan 29 (Wed)	06:02	06:51 108		12:32 56S	18:14 252		19:02
2025 Jan 30 (Thu)	06:02	06:51 108		12:32 56S	18:14 252		19:03
2025 Jan 31 (Fri)	06:02	06:50 108		12:32 57S	18:15 252		19:03
2025 Feb 01 (Sat)	06:02	06:50 108		12:33 57S	18:15 253		19:04
2025 Feb 02 (Sun)	06:01	06:50 107		12:33 57S	18:16 253		19:04
2025 Feb 03 (Mon)	06:01	06:50 107		12:33 57S	18:16 253		19:04
2025 Feb 04 (Tue)	06:01	06:49 107		12:33 58S	18:17 253		19:05
2025 Feb 05 (Wed)	06:01	06:49 106		12:33 58S	18:17 254		19:05
2025 Feb 06 (Thu)	06:01	06:49 106		12:33 58S	18:17 254		19:06
2025 Feb 07 (Fri)	06:00	06:48 106		12:33 59S	18:18 254		19:06
2025 Feb 08 (Sat)	06:00	06:48 105		12:33 59S	18:18 255		19:06
2025 Feb 09 (Sun)	06:00	06:48 105		12:33 59S	18:19 255		19:07
2025 Feb 10 (Mon)	05:59	06:47 105		12:33 60S	18:19 255		19:07
2025 Feb 11 (Tue)	05:59	06:47 104		12:33 60S	18:20 256		19:07
2025 Feb 12 (Wed)	05:59	06:46 104		12:33 60S	18:20 256		19:08
2025 Feb 13 (Thu)	05:58	06:46 104		12:33 61S	18:20 256		19:08
2025 Feb 14 (Fri)	05:58	06:46 103		12:33 61S	18:21 257		19:08
2025 Feb 15 (Sat)	05:57	06:45 103		12:33 61S	18:21 257		19:09
2025 Feb 16 (Sun)	05:57	06:45 103		12:33 62S	18:22 258		19:09
2025 Feb 17 (Mon)	05:57	06:44 102		12:33 62S	18:22 258		19:09
2025 Feb 18 (Tue)	05:56	06:44 102		12:33 62S	18:22 258		19:10
2025 Feb 19 (Wed)	05:56	06:43 102		12:33 63S	18:23 259		19:10
2025 Feb 20 (Thu)	05:55	06:42 101		12:33 63S	18:23 259		19:10
2025 Feb 21 (Fri)	05:55	06:42 101		12:33 63S	18:23 259		19:11
2025 Feb 22 (Sat)	05:54	06:41 100		12:32 64S	18:24 260		19:11
2025 Feb 23 (Sun)	05:54	06:41 100		12:32 64S	18:24 260		19:11
2025 Feb 24 (Mon)	05:53	06:40 100		12:32 65S	18:24 261		19:11

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

2025	May	03	(Sat)	05:04	05:53	73	12:16	90S	18:39	287	19:28
2025	May	04	(Sun)	05:03	05:52	73	12:16	90S	18:39	287	19:29
2025	May	05	(Mon)	05:02	05:52	73	12:16	90S	18:40	287	19:29
2025	May	06	(Tue)	05:02	05:51	72	12:16	91S	18:40	288	19:30
2025	May	07	(Wed)	05:01	05:51	72	12:16	91N	18:40	288	19:30
2025	May	08	(Thu)	05:01	05:51	72	12:15	90N	18:41	288	19:30
2025	May	09	(Fri)	05:00	05:50	72	12:15	90N	18:41	289	19:31
2025	May	10	(Sat)	05:00	05:50	71	12:15	90N	18:41	289	19:31
2025	May	11	(Sun)	04:59	05:49	71	12:15	90N	18:42	289	19:32
2025	May	12	(Mon)	04:59	05:49	71	12:15	89N	18:42	289	19:32
2025	May	13	(Tue)	04:58	05:49	70	12:15	89N	18:42	290	19:32
2025	May	14	(Wed)	04:58	05:48	70	12:15	89N	18:43	290	19:33
2025	May	15	(Thu)	04:58	05:48	70	12:15	89N	18:43	290	19:33
2025	May	16	(Fri)	04:57	05:48	70	12:15	88N	18:43	290	19:34
2025	May	17	(Sat)	04:57	05:47	70	12:15	88N	18:44	291	19:34
2025	May	18	(Sun)	04:56	05:47	69	12:15	88N	18:44	291	19:35
2025	May	19	(Mon)	04:56	05:47	69	12:15	88N	18:44	291	19:35
2025	May	20	(Tue)	04:56	05:47	69	12:15	87N	18:45	291	19:35
2025	May	21	(Wed)	04:55	05:46	69	12:16	87N	18:45	292	19:36
2025	May	22	(Thu)	04:55	05:46	68	12:16	87N	18:45	292	19:36
2025	May	23	(Fri)	04:55	05:46	68	12:16	87N	18:46	292	19:37
2025	May	24	(Sat)	04:55	05:46	68	12:16	87N	18:46	292	19:37
2025	May	25	(Sun)	04:54	05:46	68	12:16	87N	18:46	292	19:38
2025	May	26	(Mon)	04:54	05:45	68	12:16	86N	18:47	292	19:38
2025	May	27	(Tue)	04:54	05:45	67	12:16	86N	18:47	293	19:39
2025	May	28	(Wed)	04:54	05:45	67	12:16	86N	18:47	293	19:39
2025	May	29	(Thu)	04:54	05:45	67	12:16	86N	18:48	293	19:39
2025	May	30	(Fri)	04:53	05:45	67	12:17	86N	18:48	293	19:40
2025	May	31	(Sat)	04:53	05:45	67	12:17	86N	18:49	293	19:40
2025	Jun	01	(Sun)	04:53	05:45	67	12:17	85N	18:49	293	19:41
2025	Jun	02	(Mon)	04:53	05:45	66	12:17	85N	18:49	294	19:41
2025	Jun	03	(Tue)	04:53	05:45	66	12:17	85N	18:50	294	19:41
2025	Jun	04	(Wed)	04:53	05:45	66	12:17	85N	18:50	294	19:42
2025	Jun	05	(Thu)	04:53	05:45	66	12:17	85N	18:50	294	19:42
2025	Jun	06	(Fri)	04:53	05:45	66	12:18	85N	18:51	294	19:43
2025	Jun	07	(Sat)	04:53	05:45	66	12:18	85N	18:51	294	19:43
2025	Jun	08	(Sun)	04:53	05:45	66	12:18	85N	18:51	294	19:43
2025	Jun	09	(Mon)	04:53	05:45	66	12:18	85N	18:52	294	19:44
2025	Jun	10	(Tue)	04:53	05:45	66	12:18	84N	18:52	294	19:44
2025	Jun	11	(Wed)	04:53	05:45	66	12:19	84N	18:52	294	19:44
2025	Jun	12	(Thu)	04:53	05:45	65	12:19	84N	18:52	295	19:45
2025	Jun	13	(Fri)	04:53	05:45	65	12:19	84N	18:53	295	19:45
2025	Jun	14	(Sat)	04:53	05:46	65	12:19	84N	18:53	295	19:45
2025	Jun	15	(Sun)	04:53	05:46	65	12:19	84N	18:53	295	19:46
2025	Jun	16	(Mon)	04:54	05:46	65	12:20	84N	18:54	295	19:46
2025	Jun	17	(Tue)	04:54	05:46	65	12:20	84N	18:54	295	19:46
2025	Jun	18	(Wed)	04:54	05:46	65	12:20	84N	18:54	295	19:46
2025	Jun	19	(Thu)	04:54	05:46	65	12:20	84N	18:54	295	19:47
2025	Jun	20	(Fri)	04:54	05:47	65	12:21	84N	18:55	295	19:47
2025	Jun	21	(Sat)	04:54	05:47	65	12:21	84N	18:55	295	19:47
2025	Jun	22	(Sun)	04:55	05:47	65	12:21	84N	18:55	295	19:47
2025	Jun	23	(Mon)	04:55	05:47	65	12:21	84N	18:55	295	19:48
2025	Jun	24	(Tue)	04:55	05:47	65	12:21	84N	18:55	295	19:48
2025	Jun	25	(Wed)	04:55	05:48	65	12:22	84N	18:56	295	19:48
2025	Jun	26	(Thu)	04:56	05:48	65	12:22	84N	18:56	295	19:48
2025	Jun	27	(Fri)	04:56	05:48	65	12:22	84N	18:56	295	19:48
2025	Jun	28	(Sat)	04:56	05:49	65	12:22	84N	18:56	295	19:48
2025	Jun	29	(Sun)	04:57	05:49	65	12:22	84N	18:56	295	19:48
2025	Jun	30	(Mon)	04:57	05:49	65	12:23	84N	18:56	295	19:48
2025	Jul	01	(Tue)	04:57	05:49	66	12:23	84N	18:56	294	19:48
2025	Jul	02	(Wed)	04:58	05:50	66	12:23	85N	18:56	294	19:49
2025	Jul	03	(Thu)	04:58	05:50	66	12:23	85N	18:56	294	19:49
2025	Jul	04	(Fri)	04:58	05:50	66	12:23	85N	18:56	294	19:49
2025	Jul	05	(Sat)	04:59	05:51	66	12:24	85N	18:57	294	19:49
2025	Jul	06	(Sun)	04:59	05:51	66	12:24	85N	18:57	294	19:49
2025	Jul	07	(Mon)	04:59	05:51	66	12:24	85N	18:57	294	19:48
2025	Jul	08	(Tue)	05:00	05:52	66	12:24	85N	18:57	294	19:48

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

2025 Sep 14 (Sun)	05:20	06:07	86	12:15	77S	18:22	274	19:09
2025 Sep 15 (Mon)	05:20	06:07	87	12:14	77S	18:21	273	19:08
2025 Sep 16 (Tue)	05:20	06:07	87	12:14	76S	18:20	273	19:07
2025 Sep 17 (Wed)	05:21	06:07	87	12:13	76S	18:19	272	19:06
2025 Sep 18 (Thu)	05:21	06:07	88	12:13	76S	18:19	272	19:05
2025 Sep 19 (Fri)	05:21	06:08	88	12:13	75S	18:18	272	19:04
2025 Sep 20 (Sat)	05:21	06:08	89	12:12	75S	18:17	271	19:04
2025 Sep 21 (Sun)	05:21	06:08	89	12:12	74S	18:16	271	19:03
2025 Sep 22 (Mon)	05:21	06:08	89	12:12	74S	18:15	270	19:02
2025 Sep 23 (Tue)	05:21	06:08	90	12:11	74S	18:14	270	19:01
2025 Sep 24 (Wed)	05:21	06:08	90	12:11	73S	18:14	270	19:00
2025 Sep 25 (Thu)	05:22	06:08	91	12:11	73S	18:13	269	18:59
2025 Sep 26 (Fri)	05:22	06:08	91	12:10	73S	18:12	269	18:59
2025 Sep 27 (Sat)	05:22	06:09	91	12:10	72S	18:11	268	18:58
2025 Sep 28 (Sun)	05:22	06:09	92	12:10	72S	18:10	268	18:57
2025 Sep 29 (Mon)	05:22	06:09	92	12:09	71S	18:10	268	18:56
2025 Sep 30 (Tue)	05:22	06:09	93	12:09	71S	18:09	267	18:55
2025 Oct 01 (Wed)	05:22	06:09	93	12:09	71S	18:08	267	18:55
2025 Oct 02 (Thu)	05:23	06:09	93	12:08	70S	18:07	266	18:54
2025 Oct 03 (Fri)	05:23	06:09	94	12:08	70S	18:06	266	18:53
2025 Oct 04 (Sat)	05:23	06:10	94	12:08	69S	18:06	266	18:52
2025 Oct 05 (Sun)	05:23	06:10	95	12:07	69S	18:05	265	18:52
2025 Oct 06 (Mon)	05:23	06:10	95	12:07	69S	18:04	265	18:51
2025 Oct 07 (Tue)	05:23	06:10	95	12:07	68S	18:03	264	18:50
2025 Oct 08 (Wed)	05:23	06:10	96	12:07	68S	18:03	264	18:49
2025 Oct 09 (Thu)	05:24	06:10	96	12:06	68S	18:02	264	18:49
2025 Oct 10 (Fri)	05:24	06:11	97	12:06	67S	18:01	263	18:48
2025 Oct 11 (Sat)	05:24	06:11	97	12:06	67S	18:00	263	18:47
2025 Oct 12 (Sun)	05:24	06:11	97	12:05	66S	18:00	262	18:47
2025 Oct 13 (Mon)	05:24	06:11	98	12:05	66S	17:59	262	18:46
2025 Oct 14 (Tue)	05:24	06:11	98	12:05	66S	17:58	262	18:45
2025 Oct 15 (Wed)	05:25	06:12	99	12:05	65S	17:58	261	18:45
2025 Oct 16 (Thu)	05:25	06:12	99	12:05	65S	17:57	261	18:44
2025 Oct 17 (Fri)	05:25	06:12	99	12:04	65S	17:56	260	18:43
2025 Oct 18 (Sat)	05:25	06:12	100	12:04	64S	17:56	260	18:43
2025 Oct 19 (Sun)	05:25	06:13	100	12:04	64S	17:55	260	18:42
2025 Oct 20 (Mon)	05:26	06:13	101	12:04	63S	17:54	259	18:42
2025 Oct 21 (Tue)	05:26	06:13	101	12:04	63S	17:54	259	18:41
2025 Oct 22 (Wed)	05:26	06:13	101	12:03	63S	17:53	259	18:41
2025 Oct 23 (Thu)	05:26	06:14	102	12:03	62S	17:53	258	18:40
2025 Oct 24 (Fri)	05:27	06:14	102	12:03	62S	17:52	258	18:40
2025 Oct 25 (Sat)	05:27	06:14	102	12:03	62S	17:52	257	18:39
2025 Oct 26 (Sun)	05:27	06:15	103	12:03	61S	17:51	257	18:39
2025 Oct 27 (Mon)	05:27	06:15	103	12:03	61S	17:50	257	18:38
2025 Oct 28 (Tue)	05:28	06:15	103	12:03	61S	17:50	256	18:38
2025 Oct 29 (Wed)	05:28	06:16	104	12:03	60S	17:49	256	18:37
2025 Oct 30 (Thu)	05:28	06:16	104	12:03	60S	17:49	256	18:37
2025 Oct 31 (Fri)	05:29	06:16	104	12:03	60S	17:49	255	18:36
2025 Nov 01 (Sat)	05:29	06:17	105	12:03	59S	17:48	255	18:36
2025 Nov 02 (Sun)	05:29	06:17	105	12:03	59S	17:48	255	18:36
2025 Nov 03 (Mon)	05:30	06:18	105	12:03	59S	17:47	254	18:35
2025 Nov 04 (Tue)	05:30	06:18	106	12:03	58S	17:47	254	18:35
2025 Nov 05 (Wed)	05:30	06:18	106	12:03	58S	17:47	254	18:35
2025 Nov 06 (Thu)	05:31	06:19	106	12:03	58S	17:46	253	18:34
2025 Nov 07 (Fri)	05:31	06:19	107	12:03	58S	17:46	253	18:34
2025 Nov 08 (Sat)	05:31	06:20	107	12:03	57S	17:46	253	18:34
2025 Nov 09 (Sun)	05:32	06:20	107	12:03	57S	17:45	252	18:34
2025 Nov 10 (Mon)	05:32	06:21	108	12:03	57S	17:45	252	18:34
2025 Nov 11 (Tue)	05:32	06:21	108	12:03	56S	17:45	252	18:33
2025 Nov 12 (Wed)	05:33	06:22	108	12:03	56S	17:45	252	18:33
2025 Nov 13 (Thu)	05:33	06:22	109	12:03	56S	17:44	251	18:33
2025 Nov 14 (Fri)	05:34	06:23	109	12:03	56S	17:44	251	18:33
2025 Nov 15 (Sat)	05:34	06:23	109	12:04	55S	17:44	251	18:33
2025 Nov 16 (Sun)	05:35	06:24	109	12:04	55S	17:44	251	18:33
2025 Nov 17 (Mon)	05:35	06:24	110	12:04	55S	17:44	250	18:33
2025 Nov 18 (Tue)	05:35	06:25	110	12:04	55S	17:44	250	18:33
2025 Nov 19 (Wed)	05:36	06:25	110	12:04	54S	17:43	250	18:33

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

Sun

Phitsanulok

Location: E100°15'36.0", N16°48'54.0", 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)	06:25	06:48	114	12:23	51S	17:57	246
2025 Jan 02 (Thu)	06:25	06:48	114	12:23	51S	17:58	246
2025 Jan 03 (Fri)	06:25	06:49	114	12:23	51S	17:58	246
2025 Jan 04 (Sat)	06:26	06:49	114	12:24	51S	17:59	247
2025 Jan 05 (Sun)	06:26	06:49	113	12:24	51S	17:59	247
2025 Jan 06 (Mon)	06:26	06:50	113	12:25	51S	18:00	247
2025 Jan 07 (Tue)	06:27	06:50	113	12:25	52S	18:01	247
2025 Jan 08 (Wed)	06:27	06:50	113	12:26	52S	18:01	247
2025 Jan 09 (Thu)	06:27	06:50	113	12:26	52S	18:02	247
2025 Jan 10 (Fri)	06:27	06:51	113	12:26	52S	18:02	247
2025 Jan 11 (Sat)	06:28	06:51	113	12:27	52S	18:03	248
2025 Jan 12 (Sun)	06:28	06:51	112	12:27	52S	18:04	248

2025	Jan 13	(Mon)	06:28	06:51	112	12:28	52S	18:04	248	18:27
2025	Jan 14	(Tue)	06:28	06:51	112	12:28	53S	18:05	248	18:28
2025	Jan 15	(Wed)	06:28	06:51	112	12:28	53S	18:06	248	18:29
2025	Jan 16	(Thu)	06:28	06:51	112	12:29	53S	18:06	248	18:29
2025	Jan 17	(Fri)	06:28	06:51	111	12:29	53S	18:07	249	18:30
2025	Jan 18	(Sat)	06:29	06:52	111	12:29	53S	18:07	249	18:30
2025	Jan 19	(Sun)	06:29	06:52	111	12:30	54S	18:08	249	18:31
2025	Jan 20	(Mon)	06:29	06:52	111	12:30	54S	18:08	249	18:31
2025	Jan 21	(Tue)	06:29	06:52	111	12:30	54S	18:09	250	18:32
2025	Jan 22	(Wed)	06:29	06:52	110	12:31	54S	18:10	250	18:33
2025	Jan 23	(Thu)	06:29	06:51	110	12:31	55S	18:10	250	18:33
2025	Jan 24	(Fri)	06:29	06:51	110	12:31	55S	18:11	250	18:34
2025	Jan 25	(Sat)	06:29	06:51	110	12:31	55S	18:11	251	18:34
2025	Jan 26	(Sun)	06:28	06:51	109	12:31	55S	18:12	251	18:35
2025	Jan 27	(Mon)	06:28	06:51	109	12:32	56S	18:12	251	18:35
2025	Jan 28	(Tue)	06:28	06:51	109	12:32	56S	18:13	251	18:36
2025	Jan 29	(Wed)	06:28	06:51	108	12:32	56S	18:14	252	18:36
2025	Jan 30	(Thu)	06:28	06:51	108	12:32	56S	18:14	252	18:37
2025	Jan 31	(Fri)	06:28	06:50	108	12:32	57S	18:15	252	18:37
2025	Feb 01	(Sat)	06:28	06:50	108	12:33	57S	18:15	253	18:38
2025	Feb 02	(Sun)	06:27	06:50	107	12:33	57S	18:16	253	18:38
2025	Feb 03	(Mon)	06:27	06:50	107	12:33	57S	18:16	253	18:39
2025	Feb 04	(Tue)	06:27	06:49	107	12:33	58S	18:17	253	18:39
2025	Feb 05	(Wed)	06:27	06:49	106	12:33	58S	18:17	254	18:39
2025	Feb 06	(Thu)	06:26	06:49	106	12:33	58S	18:17	254	18:40
2025	Feb 07	(Fri)	06:26	06:48	106	12:33	59S	18:18	254	18:40
2025	Feb 08	(Sat)	06:26	06:48	105	12:33	59S	18:18	255	18:41
2025	Feb 09	(Sun)	06:25	06:48	105	12:33	59S	18:19	255	18:41
2025	Feb 10	(Mon)	06:25	06:47	105	12:33	60S	18:19	255	18:41
2025	Feb 11	(Tue)	06:25	06:47	104	12:33	60S	18:20	256	18:42
2025	Feb 12	(Wed)	06:24	06:46	104	12:33	60S	18:20	256	18:42
2025	Feb 13	(Thu)	06:24	06:46	104	12:33	61S	18:20	256	18:43
2025	Feb 14	(Fri)	06:23	06:46	103	12:33	61S	18:21	257	18:43
2025	Feb 15	(Sat)	06:23	06:45	103	12:33	61S	18:21	257	18:43
2025	Feb 16	(Sun)	06:23	06:45	103	12:33	62S	18:22	258	18:44
2025	Feb 17	(Mon)	06:22	06:44	102	12:33	62S	18:22	258	18:44
2025	Feb 18	(Tue)	06:22	06:44	102	12:33	62S	18:22	258	18:44
2025	Feb 19	(Wed)	06:21	06:43	102	12:33	63S	18:23	259	18:45
2025	Feb 20	(Thu)	06:21	06:42	101	12:33	63S	18:23	259	18:45
2025	Feb 21	(Fri)	06:20	06:42	101	12:33	63S	18:23	259	18:45
2025	Feb 22	(Sat)	06:19	06:41	100	12:32	64S	18:24	260	18:46
2025	Feb 23	(Sun)	06:19	06:41	100	12:32	64S	18:24	260	18:46
2025	Feb 24	(Mon)	06:18	06:40	100	12:32	65S	18:24	261	18:46
2025	Feb 25	(Tue)	06:18	06:40	99	12:32	65S	18:25	261	18:46
2025	Feb 26	(Wed)	06:17	06:39	99	12:32	65S	18:25	261	18:47
2025	Feb 27	(Thu)	06:17	06:38	98	12:32	66S	18:25	262	18:47
2025	Feb 28	(Fri)	06:16	06:38	98	12:31	66S	18:25	262	18:47
2025	Mar 01	(Sat)	06:15	06:37	98	12:31	66S	18:26	263	18:47
2025	Mar 02	(Sun)	06:15	06:36	97	12:31	67S	18:26	263	18:48
2025	Mar 03	(Mon)	06:14	06:36	97	12:31	67S	18:26	263	18:48
2025	Mar 04	(Tue)	06:13	06:35	96	12:31	68S	18:27	264	18:48
2025	Mar 05	(Wed)	06:13	06:34	96	12:30	68S	18:27	264	18:48
2025	Mar 06	(Thu)	06:12	06:34	96	12:30	68S	18:27	265	18:49
2025	Mar 07	(Fri)	06:11	06:33	95	12:30	69S	18:27	265	18:49
2025	Mar 08	(Sat)	06:11	06:32	95	12:30	69S	18:27	265	18:49
2025	Mar 09	(Sun)	06:10	06:31	94	12:29	69S	18:28	266	18:49
2025	Mar 10	(Mon)	06:09	06:31	94	12:29	70S	18:28	266	18:50
2025	Mar 11	(Tue)	06:08	06:30	94	12:29	70S	18:28	267	18:50
2025	Mar 12	(Wed)	06:08	06:29	93	12:29	71S	18:28	267	18:50
2025	Mar 13	(Thu)	06:07	06:29	93	12:28	71S	18:29	267	18:50
2025	Mar 14	(Fri)	06:06	06:28	92	12:28	71S	18:29	268	18:50
2025	Mar 15	(Sat)	06:05	06:27	92	12:28	72S	18:29	268	18:51
2025	Mar 16	(Sun)	06:05	06:26	92	12:28	72S	18:29	269	18:51
2025	Mar 17	(Mon)	06:04	06:26	91	12:27	73S	18:29	269	18:51
2025	Mar 18	(Tue)	06:03	06:25	91	12:27	73S	18:29	269	18:51
2025	Mar 19	(Wed)	06:02	06:24	90	12:27	73S	18:30	270	18:51
2025	Mar 20	(Thu)	06:02	06:23	90	12:26	74S	18:30	270	18:51

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

2025	May	27	(Tue)	05:22	05:45	67	12:16	86N	18:47	293	19:11
2025	May	28	(Wed)	05:22	05:45	67	12:16	86N	18:47	293	19:11
2025	May	29	(Thu)	05:21	05:45	67	12:16	86N	18:48	293	19:11
2025	May	30	(Fri)	05:21	05:45	67	12:17	86N	18:48	293	19:12
2025	May	31	(Sat)	05:21	05:45	67	12:17	86N	18:49	293	19:12
2025	Jun	01	(Sun)	05:21	05:45	67	12:17	85N	18:49	293	19:13
2025	Jun	02	(Mon)	05:21	05:45	66	12:17	85N	18:49	294	19:13
2025	Jun	03	(Tue)	05:21	05:45	66	12:17	85N	18:50	294	19:13
2025	Jun	04	(Wed)	05:21	05:45	66	12:17	85N	18:50	294	19:14
2025	Jun	05	(Thu)	05:21	05:45	66	12:17	85N	18:50	294	19:14
2025	Jun	06	(Fri)	05:21	05:45	66	12:18	85N	18:51	294	19:14
2025	Jun	07	(Sat)	05:21	05:45	66	12:18	85N	18:51	294	19:15
2025	Jun	08	(Sun)	05:21	05:45	66	12:18	85N	18:51	294	19:15
2025	Jun	09	(Mon)	05:21	05:45	66	12:18	85N	18:52	294	19:15
2025	Jun	10	(Tue)	05:21	05:45	66	12:18	84N	18:52	294	19:16
2025	Jun	11	(Wed)	05:21	05:45	66	12:19	84N	18:52	294	19:16
2025	Jun	12	(Thu)	05:21	05:45	65	12:19	84N	18:52	295	19:16
2025	Jun	13	(Fri)	05:21	05:45	65	12:19	84N	18:53	295	19:17
2025	Jun	14	(Sat)	05:22	05:46	65	12:19	84N	18:53	295	19:17
2025	Jun	15	(Sun)	05:22	05:46	65	12:19	84N	18:53	295	19:17
2025	Jun	16	(Mon)	05:22	05:46	65	12:20	84N	18:54	295	19:18
2025	Jun	17	(Tue)	05:22	05:46	65	12:20	84N	18:54	295	19:18
2025	Jun	18	(Wed)	05:22	05:46	65	12:20	84N	18:54	295	19:18
2025	Jun	19	(Thu)	05:22	05:46	65	12:20	84N	18:54	295	19:18
2025	Jun	20	(Fri)	05:23	05:47	65	12:21	84N	18:55	295	19:19
2025	Jun	21	(Sat)	05:23	05:47	65	12:21	84N	18:55	295	19:19
2025	Jun	22	(Sun)	05:23	05:47	65	12:21	84N	18:55	295	19:19
2025	Jun	23	(Mon)	05:23	05:47	65	12:21	84N	18:55	295	19:19
2025	Jun	24	(Tue)	05:23	05:47	65	12:21	84N	18:55	295	19:19
2025	Jun	25	(Wed)	05:24	05:48	65	12:22	84N	18:56	295	19:19
2025	Jun	26	(Thu)	05:24	05:48	65	12:22	84N	18:56	295	19:20
2025	Jun	27	(Fri)	05:24	05:48	65	12:22	84N	18:56	295	19:20
2025	Jun	28	(Sat)	05:25	05:49	65	12:22	84N	18:56	295	19:20
2025	Jun	29	(Sun)	05:25	05:49	65	12:22	84N	18:56	295	19:20
2025	Jun	30	(Mon)	05:25	05:49	65	12:23	84N	18:56	295	19:20
2025	Jul	01	(Tue)	05:25	05:49	66	12:23	84N	18:56	294	19:20
2025	Jul	02	(Wed)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jul	03	(Thu)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jul	04	(Fri)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jul	05	(Sat)	05:27	05:51	66	12:24	85N	18:57	294	19:20
2025	Jul	06	(Sun)	05:27	05:51	66	12:24	85N	18:57	294	19:20
2025	Jul	07	(Mon)	05:27	05:51	66	12:24	85N	18:57	294	19:20
2025	Jul	08	(Tue)	05:28	05:52	66	12:24	85N	18:57	294	19:20
2025	Jul	09	(Wed)	05:28	05:52	66	12:24	85N	18:57	294	19:20
2025	Jul	10	(Thu)	05:28	05:52	66	12:24	85N	18:56	293	19:20
2025	Jul	11	(Fri)	05:29	05:53	67	12:25	85N	18:56	293	19:20
2025	Jul	12	(Sat)	05:29	05:53	67	12:25	86N	18:56	293	19:20
2025	Jul	13	(Sun)	05:30	05:53	67	12:25	86N	18:56	293	19:20
2025	Jul	14	(Mon)	05:30	05:54	67	12:25	86N	18:56	293	19:20
2025	Jul	15	(Tue)	05:30	05:54	67	12:25	86N	18:56	293	19:20
2025	Jul	16	(Wed)	05:31	05:54	67	12:25	86N	18:56	293	19:19
2025	Jul	17	(Thu)	05:31	05:54	68	12:25	86N	18:56	292	19:19
2025	Jul	18	(Fri)	05:31	05:55	68	12:25	87N	18:56	292	19:19
2025	Jul	19	(Sat)	05:32	05:55	68	12:25	87N	18:55	292	19:19
2025	Jul	20	(Sun)	05:32	05:55	68	12:25	87N	18:55	292	19:19
2025	Jul	21	(Mon)	05:32	05:56	68	12:25	87N	18:55	292	19:18
2025	Jul	22	(Tue)	05:33	05:56	69	12:25	87N	18:55	291	19:18
2025	Jul	23	(Wed)	05:33	05:56	69	12:25	88N	18:54	291	19:18
2025	Jul	24	(Thu)	05:33	05:57	69	12:26	88N	18:54	291	19:17
2025	Jul	25	(Fri)	05:34	05:57	69	12:26	88N	18:54	291	19:17
2025	Jul	26	(Sat)	05:34	05:57	69	12:26	88N	18:54	290	19:17
2025	Jul	27	(Sun)	05:34	05:58	70	12:26	88N	18:53	290	19:16
2025	Jul	28	(Mon)	05:35	05:58	70	12:26	89N	18:53	290	19:16
2025	Jul	29	(Tue)	05:35	05:58	70	12:25	89N	18:53	290	19:16
2025	Jul	30	(Wed)	05:36	05:59	70	12:25	89N	18:52	289	19:15
2025	Jul	31	(Thu)	05:36	05:59	71	12:25	89N	18:52	289	19:15
2025	Aug	01	(Fri)	05:36	05:59	71	12:25	90N	18:51	289	19:14

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

2025	Oct	08	(Wed)	05:49	06:10	96	12:07	68S	18:03	264	18:24
2025	Oct	09	(Thu)	05:49	06:10	96	12:06	68S	18:02	264	18:24
2025	Oct	10	(Fri)	05:49	06:11	97	12:06	67S	18:01	263	18:23
2025	Oct	11	(Sat)	05:49	06:11	97	12:06	67S	18:00	263	18:22
2025	Oct	12	(Sun)	05:49	06:11	97	12:05	66S	18:00	262	18:21
2025	Oct	13	(Mon)	05:49	06:11	98	12:05	66S	17:59	262	18:21
2025	Oct	14	(Tue)	05:50	06:11	98	12:05	66S	17:58	262	18:20
2025	Oct	15	(Wed)	05:50	06:12	99	12:05	65S	17:58	261	18:19
2025	Oct	16	(Thu)	05:50	06:12	99	12:05	65S	17:57	261	18:19
2025	Oct	17	(Fri)	05:50	06:12	99	12:04	65S	17:56	260	18:18
2025	Oct	18	(Sat)	05:51	06:12	100	12:04	64S	17:56	260	18:18
2025	Oct	19	(Sun)	05:51	06:13	100	12:04	64S	17:55	260	18:17
2025	Oct	20	(Mon)	05:51	06:13	101	12:04	63S	17:54	259	18:16
2025	Oct	21	(Tue)	05:51	06:13	101	12:04	63S	17:54	259	18:16
2025	Oct	22	(Wed)	05:52	06:13	101	12:03	63S	17:53	259	18:15
2025	Oct	23	(Thu)	05:52	06:14	102	12:03	62S	17:53	258	18:15
2025	Oct	24	(Fri)	05:52	06:14	102	12:03	62S	17:52	258	18:14
2025	Oct	25	(Sat)	05:52	06:14	102	12:03	62S	17:52	257	18:14
2025	Oct	26	(Sun)	05:53	06:15	103	12:03	61S	17:51	257	18:13
2025	Oct	27	(Mon)	05:53	06:15	103	12:03	61S	17:50	257	18:13
2025	Oct	28	(Tue)	05:53	06:15	103	12:03	61S	17:50	256	18:12
2025	Oct	29	(Wed)	05:54	06:16	104	12:03	60S	17:49	256	18:12
2025	Oct	30	(Thu)	05:54	06:16	104	12:03	60S	17:49	256	18:11
2025	Oct	31	(Fri)	05:54	06:16	104	12:03	60S	17:49	255	18:11
2025	Nov	01	(Sat)	05:55	06:17	105	12:03	59S	17:48	255	18:10
2025	Nov	02	(Sun)	05:55	06:17	105	12:03	59S	17:48	255	18:10
2025	Nov	03	(Mon)	05:55	06:18	105	12:03	59S	17:47	254	18:10
2025	Nov	04	(Tue)	05:56	06:18	106	12:03	58S	17:47	254	18:09
2025	Nov	05	(Wed)	05:56	06:18	106	12:03	58S	17:47	254	18:09
2025	Nov	06	(Thu)	05:56	06:19	106	12:03	58S	17:46	253	18:09
2025	Nov	07	(Fri)	05:57	06:19	107	12:03	58S	17:46	253	18:08
2025	Nov	08	(Sat)	05:57	06:20	107	12:03	57S	17:46	253	18:08
2025	Nov	09	(Sun)	05:58	06:20	107	12:03	57S	17:45	252	18:08
2025	Nov	10	(Mon)	05:58	06:21	108	12:03	57S	17:45	252	18:08
2025	Nov	11	(Tue)	05:58	06:21	108	12:03	56S	17:45	252	18:07
2025	Nov	12	(Wed)	05:59	06:22	108	12:03	56S	17:45	252	18:07
2025	Nov	13	(Thu)	05:59	06:22	109	12:03	56S	17:44	251	18:07
2025	Nov	14	(Fri)	06:00	06:23	109	12:03	56S	17:44	251	18:07
2025	Nov	15	(Sat)	06:00	06:23	109	12:04	55S	17:44	251	18:07
2025	Nov	16	(Sun)	06:01	06:24	109	12:04	55S	17:44	251	18:07
2025	Nov	17	(Mon)	06:01	06:24	110	12:04	55S	17:44	250	18:06
2025	Nov	18	(Tue)	06:02	06:25	110	12:04	55S	17:44	250	18:06
2025	Nov	19	(Wed)	06:02	06:25	110	12:04	54S	17:43	250	18:06
2025	Nov	20	(Thu)	06:03	06:26	110	12:05	54S	17:43	250	18:06
2025	Nov	21	(Fri)	06:03	06:26	111	12:05	54S	17:43	249	18:06
2025	Nov	22	(Sat)	06:04	06:27	111	12:05	54S	17:43	249	18:06
2025	Nov	23	(Sun)	06:04	06:27	111	12:05	54S	17:43	249	18:06
2025	Nov	24	(Mon)	06:05	06:28	111	12:06	53S	17:43	249	18:06
2025	Nov	25	(Tue)	06:05	06:28	111	12:06	53S	17:43	248	18:06
2025	Nov	26	(Wed)	06:06	06:29	112	12:06	53S	17:43	248	18:06
2025	Nov	27	(Thu)	06:06	06:30	112	12:07	53S	17:43	248	18:07
2025	Nov	28	(Fri)	06:07	06:30	112	12:07	53S	17:44	248	18:07
2025	Nov	29	(Sat)	06:08	06:31	112	12:07	52S	17:44	248	18:07
2025	Nov	30	(Sun)	06:08	06:31	112	12:08	52S	17:44	248	18:07
2025	Dec	01	(Mon)	06:09	06:32	113	12:08	52S	17:44	247	18:07
2025	Dec	02	(Tue)	06:09	06:32	113	12:08	52S	17:44	247	18:07
2025	Dec	03	(Wed)	06:10	06:33	113	12:09	52S	17:44	247	18:08
2025	Dec	04	(Thu)	06:10	06:34	113	12:09	52S	17:45	247	18:08
2025	Dec	05	(Fri)	06:11	06:34	113	12:10	51S	17:45	247	18:08
2025	Dec	06	(Sat)	06:11	06:35	113	12:10	51S	17:45	247	18:08
2025	Dec	07	(Sun)	06:12	06:35	113	12:10	51S	17:45	247	18:09
2025	Dec	08	(Mon)	06:13	06:36	114	12:11	51S	17:46	246	18:09
2025	Dec	09	(Tue)	06:13	06:37	114	12:11	51S	17:46	246	18:09
2025	Dec	10	(Wed)	06:14	06:37	114	12:12	51S	17:46	246	18:10
2025	Dec	11	(Thu)	06:14	06:38	114	12:12	51S	17:47	246	18:10
2025	Dec	12	(Fri)	06:15	06:38	114	12:13	51S	17:47	246	18:10
2025	Dec	13	(Sat)	06:15	06:39	114	12:13	51S	17:47	246	18:11

2025	Dec 14	(Sun)	06:16	06:39	114	12:14	51S	17:48	246	18:11
2025	Dec 15	(Mon)	06:16	06:40	114	12:14	51S	17:48	246	18:12
2025	Dec 16	(Tue)	06:17	06:41	114	12:15	51S	17:49	246	18:12
2025	Dec 17	(Wed)	06:18	06:41	114	12:15	51S	17:49	246	18:12
2025	Dec 18	(Thu)	06:18	06:42	114	12:16	50S	17:49	246	18:13
2025	Dec 19	(Fri)	06:19	06:42	114	12:16	50S	17:50	246	18:13
2025	Dec 20	(Sat)	06:19	06:43	114	12:17	50S	17:50	246	18:14
2025	Dec 21	(Sun)	06:20	06:43	114	12:17	50S	17:51	246	18:14
2025	Dec 22	(Mon)	06:20	06:44	114	12:18	50S	17:51	246	18:15
2025	Dec 23	(Tue)	06:21	06:44	114	12:18	50S	17:52	246	18:15
2025	Dec 24	(Wed)	06:21	06:45	114	12:19	50S	17:52	246	18:16
2025	Dec 25	(Thu)	06:22	06:45	114	12:19	51S	17:53	246	18:16
2025	Dec 26	(Fri)	06:22	06:46	114	12:20	51S	17:53	246	18:17
2025	Dec 27	(Sat)	06:22	06:46	114	12:20	51S	17:54	246	18:18
2025	Dec 28	(Sun)	06:23	06:46	114	12:20	51S	17:55	246	18:18
2025	Dec 29	(Mon)	06:23	06:47	114	12:21	51S	17:55	246	18:19
2025	Dec 30	(Tue)	06:24	06:47	114	12:21	51S	17:56	246	18:19
2025	Dec 31	(Wed)	06:24	06:48	114	12:22	51S	17:56	246	18:20

Moon

Phitsanulok

Location: E100°15'36.0", N16°48'54.0", 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	°
2025 Jan 01 (Wed)	07:58	117	13:37	48S	19:18	245
2025 Jan 02 (Thu)	08:48	113	14:31	52S	20:18	249
2025 Jan 03 (Fri)	09:33	108	15:23	58S	21:17	255
2025 Jan 04 (Sat)	10:14	101	16:12	64S	22:14	262
2025 Jan 05 (Sun)	10:54	94	16:59	71S	23:09	269
2025 Jan 06 (Mon)	11:32	87	17:47	78S		
2025 Jan 07 (Tue)	12:11	80	18:35	85S	00:05	276
2025 Jan 08 (Wed)	12:53	74	19:26	90N	01:03	283
2025 Jan 09 (Thu)	13:39	68	20:20	85N	02:03	290
2025 Jan 10 (Fri)	14:30	63	21:18	81N	03:05	295
2025 Jan 11 (Sat)	15:26	61	22:19	79N	04:09	298
2025 Jan 12 (Sun)	16:27	60	23:21	79N	05:13	300
2025 Jan 13 (Mon)	17:29	62			06:13	299
2025 Jan 14 (Tue)	18:30	65	00:20	81N	07:08	297
2025 Jan 15 (Wed)	19:28	69	01:15	84N	07:56	293
2025 Jan 16 (Thu)	20:22	75	02:05	89N	08:38	288
2025 Jan 17 (Fri)	21:12	81	02:51	87S	09:16	282
2025 Jan 18 (Sat)	22:00	87	03:33	81S	09:50	276
2025 Jan 19 (Sun)	22:47	93	04:14	75S	10:23	270
2025 Jan 20 (Mon)	23:34	99	04:53	69S	10:55	264
2025 Jan 21 (Tue)			05:32	63S	11:28	258
2025 Jan 22 (Wed)	00:21	105	06:13	58S	12:02	253
2025 Jan 23 (Thu)	01:11	110	06:57	53S	12:40	248
2025 Jan 24 (Fri)	02:03	114	07:44	49S	13:22	244
2025 Jan 25 (Sat)	02:58	118	08:34	46S	14:10	241
2025 Jan 26 (Sun)	03:54	120	09:29	45S	15:03	240
2025 Jan 27 (Mon)	04:52	120	10:26	45S	16:02	241
2025 Jan 28 (Tue)	05:47	118	11:24	47S	17:03	243
2025 Jan 29 (Wed)	06:39	115	12:21	50S	18:05	247
2025 Jan 30 (Thu)	07:27	110	13:15	56S	19:06	253
2025 Jan 31 (Fri)	08:11	104	14:06	62S	20:05	259
2025 Feb 01 (Sat)	08:52	97	14:55	69S	21:03	267
2025 Feb 02 (Sun)	09:31	89	15:43	76S	22:00	274
2025 Feb 03 (Mon)	10:11	82	16:32	83S	22:58	281
2025 Feb 04 (Tue)	10:52	75	17:22	90S	23:57	288
2025 Feb 05 (Wed)	11:37	69	18:16	86N		
2025 Feb 06 (Thu)	12:26	64	19:12	82N	00:59	293

2025 Feb 07 (Fri)	13:19	61	20:11	79N	02:02	297
2025 Feb 08 (Sat)	14:17	60	21:11	79N	03:04	300
2025 Feb 09 (Sun)	15:18	61	22:10	80N	04:05	300
2025 Feb 10 (Mon)	16:18	63	23:06	83N	05:00	298
2025 Feb 11 (Tue)	17:17	67	23:57	87N	05:50	295
2025 Feb 12 (Wed)	18:12	72			06:34	290
2025 Feb 13 (Thu)	19:03	78	00:44	89S	07:13	285
2025 Feb 14 (Fri)	19:53	84	01:28	84S	07:48	279
2025 Feb 15 (Sat)	20:40	91	02:09	78S	08:21	272
2025 Feb 16 (Sun)	21:27	97	02:49	71S	08:54	266
2025 Feb 17 (Mon)	22:14	103	03:28	66S	09:26	260
2025 Feb 18 (Tue)	23:02	108	04:08	60S	10:00	255
2025 Feb 19 (Wed)	23:53	113	04:51	55S	10:36	250
2025 Feb 20 (Thu)			05:36	51S	11:16	245
2025 Feb 21 (Fri)	00:46	117	06:24	47S	12:00	242
2025 Feb 22 (Sat)	01:41	119	07:16	45S	12:50	240
2025 Feb 23 (Sun)	02:37	120	08:11	45S	13:45	240
2025 Feb 24 (Mon)	03:33	119	09:08	46S	14:44	241
2025 Feb 25 (Tue)	04:26	117	10:05	48S	15:46	245
2025 Feb 26 (Wed)	05:15	113	11:00	53S	16:48	250
2025 Feb 27 (Thu)	06:01	107	11:53	59S	17:48	256
2025 Feb 28 (Fri)	06:44	100	12:44	65S	18:48	263
2025 Mar 01 (Sat)	07:26	93	13:34	73S	19:47	271
2025 Mar 02 (Sun)	08:06	85	14:24	80S	20:47	279
2025 Mar 03 (Mon)	08:48	78	15:16	87S	21:48	286
2025 Mar 04 (Tue)	09:33	71	16:10	88N	22:50	292
2025 Mar 05 (Wed)	10:22	66	17:06	83N	23:54	297
2025 Mar 06 (Thu)	11:15	62	18:06	80N		
2025 Mar 07 (Fri)	12:12	60	19:06	79N	00:58	299
2025 Mar 08 (Sat)	13:12	60	20:05	79N	02:00	300
2025 Mar 09 (Sun)	14:12	62	21:01	82N	02:57	299
2025 Mar 10 (Mon)	15:10	66	21:53	85N	03:47	296
2025 Mar 11 (Tue)	16:06	71	22:41	90N	04:32	292
2025 Mar 12 (Wed)	16:58	76	23:25	86S	05:12	287
2025 Mar 13 (Thu)	17:47	82			05:48	281
2025 Mar 14 (Fri)	18:35	88	00:06	80S	06:21	275
2025 Mar 15 (Sat)	19:21	95	00:46	74S	06:54	269
2025 Mar 16 (Sun)	20:08	101	01:25	68S	07:26	262
2025 Mar 17 (Mon)	20:56	106	02:05	62S	07:59	257
2025 Mar 18 (Tue)	21:46	111	02:47	57S	08:34	251
2025 Mar 19 (Wed)	22:38	115	03:31	52S	09:12	247
2025 Mar 20 (Thu)	23:32	118	04:17	48S	09:55	243
2025 Mar 21 (Fri)			05:07	46S	10:42	241
2025 Mar 22 (Sat)	00:26	120	06:00	45S	11:34	240
2025 Mar 23 (Sun)	01:21	120	06:55	45S	12:30	241
2025 Mar 24 (Mon)	02:14	118	07:50	47S	13:29	243
2025 Mar 25 (Tue)	03:04	115	08:45	50S	14:29	247
2025 Mar 26 (Wed)	03:50	110	09:38	55S	15:29	253
2025 Mar 27 (Thu)	04:34	104	10:29	62S	16:28	259
2025 Mar 28 (Fri)	05:16	97	11:20	69S	17:28	267
2025 Mar 29 (Sat)	05:57	89	12:10	76S	18:28	275
2025 Mar 30 (Sun)	06:39	81	13:02	84S	19:30	282
2025 Mar 31 (Mon)	07:24	74	13:56	91N	20:34	289
2025 Apr 01 (Tue)	08:12	68	14:54	85N	21:40	295
2025 Apr 02 (Wed)	09:05	63	15:55	81N	22:47	298
2025 Apr 03 (Thu)	10:03	61	16:57	79N	23:52	300
2025 Apr 04 (Fri)	11:04	60	17:58	79N		
2025 Apr 05 (Sat)	12:06	61	18:57	81N	00:51	299
2025 Apr 06 (Sun)	13:05	65	19:50	84N	01:45	297
2025 Apr 07 (Mon)	14:02	69	20:39	89N	02:32	293
2025 Apr 08 (Tue)	14:54	74	21:24	87S	03:13	288
2025 Apr 09 (Wed)	15:44	80	22:06	82S	03:49	283
2025 Apr 10 (Thu)	16:32	86	22:46	76S	04:23	277
2025 Apr 11 (Fri)	17:18	93	23:25	70S	04:56	271
2025 Apr 12 (Sat)	18:05	99			05:28	264
2025 Apr 13 (Sun)	18:52	104	00:04	64S	06:00	259
2025 Apr 14 (Mon)	19:41	110	00:45	58S	06:34	253

2025 Apr 15 (Tue)	20:33 114	01:28 54S	07:12 248
2025 Apr 16 (Wed)	21:26 117	02:14 50S	07:53 244
2025 Apr 17 (Thu)	22:20 119	03:03 47S	08:38 242
2025 Apr 18 (Fri)	23:14 120	03:54 45S	09:28 240
2025 Apr 19 (Sat)		04:48 45S	10:22 240
2025 Apr 20 (Sun)	00:07 119	05:42 46S	11:18 242
2025 Apr 21 (Mon)	00:56 116	06:35 49S	12:16 245
2025 Apr 22 (Tue)	01:43 112	07:27 53S	13:14 250
2025 Apr 23 (Wed)	02:26 107	08:17 59S	14:12 256
2025 Apr 24 (Thu)	03:07 100	09:06 65S	15:10 263
2025 Apr 25 (Fri)	03:47 93	09:55 73S	16:08 271
2025 Apr 26 (Sat)	04:28 85	10:46 80S	17:08 278
2025 Apr 27 (Sun)	05:11 78	11:39 87S	18:11 286
2025 Apr 28 (Mon)	05:58 71	12:35 88N	19:17 292
2025 Apr 29 (Tue)	06:50 65	13:36 83N	20:26 297
2025 Apr 30 (Wed)	07:48 62	14:40 80N	21:34 299
2025 May 01 (Thu)	08:50 60	15:45 79N	22:39 300
2025 May 02 (Fri)	09:54 61	16:46 80N	23:37 298
2025 May 03 (Sat)	10:56 63	17:44 83N	
2025 May 04 (Sun)	11:55 68	18:35 87N	00:28 294
2025 May 05 (Mon)	12:50 73	19:22 89S	01:11 290
2025 May 06 (Tue)	13:41 78	20:05 83S	01:50 284
2025 May 07 (Wed)	14:29 84	20:45 78S	02:25 279
2025 May 08 (Thu)	15:16 91	21:25 72S	02:58 272
2025 May 09 (Fri)	16:02 97	22:04 66S	03:30 266
2025 May 10 (Sat)	16:49 103	22:44 60S	04:02 260
2025 May 11 (Sun)	17:38 108	23:26 55S	04:35 255
2025 May 12 (Mon)	18:28 113		05:12 250
2025 May 13 (Tue)	19:21 116	00:11 51S	05:52 246
2025 May 14 (Wed)	20:15 119	00:59 48S	06:36 242
2025 May 15 (Thu)	21:09 120	01:50 45S	07:24 240
2025 May 16 (Fri)	22:02 119	02:43 45S	08:17 240
2025 May 17 (Sat)	22:53 117	03:37 46S	09:13 241
2025 May 18 (Sun)	23:39 114	04:30 48S	10:10 244
2025 May 19 (Mon)		05:22 52S	11:07 249
2025 May 20 (Tue)	00:22 109	06:11 57S	12:03 254
2025 May 21 (Wed)	01:03 103	06:59 63S	12:59 260
2025 May 22 (Thu)	01:42 96	07:46 70S	13:54 268
2025 May 23 (Fri)	02:21 89	08:34 77S	14:51 275
2025 May 24 (Sat)	03:01 81	09:24 84S	15:51 282
2025 May 25 (Sun)	03:45 74	10:17 91S	16:54 289
2025 May 26 (Mon)	04:34 68	11:16 85N	18:02 295
2025 May 27 (Tue)	05:29 63	12:18 81N	19:11 298
2025 May 28 (Wed)	06:30 61	13:24 79N	20:19 300
2025 May 29 (Thu)	07:34 60	14:29 79N	21:22 299
2025 May 30 (Fri)	08:40 62	15:30 82N	22:17 296
2025 May 31 (Sat)	09:42 66	16:26 85N	23:05 292
2025 Jun 01 (Sun)	10:40 71	17:16 90N	23:47 286
2025 Jun 02 (Mon)	11:34 76	18:01 85S	
2025 Jun 03 (Tue)	12:24 82	18:43 79S	00:24 280
2025 Jun 04 (Wed)	13:12 89	19:23 73S	00:58 274
2025 Jun 05 (Thu)	13:59 95	20:02 68S	01:31 268
2025 Jun 06 (Fri)	14:45 101	20:42 62S	02:03 262
2025 Jun 07 (Sat)	15:33 106	21:24 57S	02:36 257
2025 Jun 08 (Sun)	16:23 111	22:08 52S	03:11 251
2025 Jun 09 (Mon)	17:15 115	22:55 49S	03:50 247
2025 Jun 10 (Tue)	18:09 118	23:45 46S	04:33 243
2025 Jun 11 (Wed)	19:04 120		05:20 241
2025 Jun 12 (Thu)	19:58 120	00:38 45S	06:12 240
2025 Jun 13 (Fri)	20:50 118	01:33 45S	07:08 241
2025 Jun 14 (Sat)	21:38 115	02:27 47S	08:05 243
2025 Jun 15 (Sun)	22:22 110	03:19 51S	09:02 247
2025 Jun 16 (Mon)	23:03 104	04:09 55S	09:59 252
2025 Jun 17 (Tue)	23:41 98	04:56 61S	10:54 259
2025 Jun 18 (Wed)		05:43 67S	11:48 265
2025 Jun 19 (Thu)	00:19 91	06:29 74S	12:43 273
2025 Jun 20 (Fri)	00:58 84	07:16 81S	13:40 280

2025 Jun 21 (Sat)	01:38 77	08:06 88S	14:39 286
2025 Jun 22 (Sun)	02:23 71	09:01 87N	15:43 292
2025 Jun 23 (Mon)	03:14 65	10:00 83N	16:49 297
2025 Jun 24 (Tue)	04:11 62	11:03 80N	17:57 299
2025 Jun 25 (Wed)	05:14 60	12:08 79N	19:03 300
2025 Jun 26 (Thu)	06:19 61	13:12 80N	20:03 298
2025 Jun 27 (Fri)	07:24 64	14:11 84N	20:55 294
2025 Jun 28 (Sat)	08:26 69	15:05 88N	21:40 289
2025 Jun 29 (Sun)	09:23 74	15:53 88S	22:20 283
2025 Jun 30 (Mon)	10:16 80	16:38 82S	22:56 277
2025 Jul 01 (Tue)	11:05 86	17:19 76S	23:29 270
2025 Jul 02 (Wed)	11:53 93	17:59 70S	
2025 Jul 03 (Thu)	12:40 99	18:39 64S	00:02 264
2025 Jul 04 (Fri)	13:28 104	19:20 58S	00:35 258
2025 Jul 05 (Sat)	14:17 110	20:03 54S	01:09 253
2025 Jul 06 (Sun)	15:08 114	20:49 50S	01:47 248
2025 Jul 07 (Mon)	16:01 117	21:39 47S	02:28 244
2025 Jul 08 (Tue)	16:56 119	22:31 45S	03:14 242
2025 Jul 09 (Wed)	17:51 120	23:25 45S	04:05 240
2025 Jul 10 (Thu)	18:44 119		05:00 240
2025 Jul 11 (Fri)	19:34 116	00:20 46S	05:57 242
2025 Jul 12 (Sat)	20:20 112	01:14 49S	06:56 246
2025 Jul 13 (Sun)	21:02 106	02:05 54S	07:53 251
2025 Jul 14 (Mon)	21:42 100	02:54 59S	08:49 257
2025 Jul 15 (Tue)	22:20 93	03:41 66S	09:44 263
2025 Jul 16 (Wed)	22:58 86	04:27 72S	10:39 271
2025 Jul 17 (Thu)	23:37 79	05:14 79S	11:34 278
2025 Jul 18 (Fri)		06:02 86S	12:32 285
2025 Jul 19 (Sat)	00:19 72	06:54 89N	13:32 291
2025 Jul 20 (Sun)	01:07 67	07:49 84N	14:36 296
2025 Jul 21 (Mon)	02:00 63	08:50 81N	15:42 299
2025 Jul 22 (Tue)	02:59 61	09:53 79N	16:47 300
2025 Jul 23 (Wed)	04:02 60	10:56 79N	17:48 299
2025 Jul 24 (Thu)	05:07 62	11:57 82N	18:43 296
2025 Jul 25 (Fri)	06:10 66	12:53 86N	19:32 291
2025 Jul 26 (Sat)	07:09 71	13:43 90S	20:14 285
2025 Jul 27 (Sun)	08:04 77	14:30 84S	20:52 279
2025 Jul 28 (Mon)	08:55 84	15:13 78S	21:27 273
2025 Jul 29 (Tue)	09:45 90	15:54 72S	22:00 267
2025 Jul 30 (Wed)	10:33 96	16:34 66S	22:33 261
2025 Jul 31 (Thu)	11:20 102	17:15 60S	23:07 255
2025 Aug 01 (Fri)	12:09 108	17:58 55S	23:43 250
2025 Aug 02 (Sat)	13:00 113	18:42 51S	
2025 Aug 03 (Sun)	13:52 116	19:30 48S	00:23 246
2025 Aug 04 (Mon)	14:46 119	20:21 45S	01:07 242
2025 Aug 05 (Tue)	15:41 120	21:15 45S	01:55 240
2025 Aug 06 (Wed)	16:35 119	22:10 46S	02:49 240
2025 Aug 07 (Thu)	17:26 117	23:04 48S	03:46 241
2025 Aug 08 (Fri)	18:14 113	23:57 52S	04:44 244
2025 Aug 09 (Sat)	18:59 108		05:43 249
2025 Aug 10 (Sun)	19:40 102	00:48 57S	06:41 255
2025 Aug 11 (Mon)	20:19 95	01:37 63S	07:37 261
2025 Aug 12 (Tue)	20:58 88	02:24 70S	08:33 268
2025 Aug 13 (Wed)	21:37 81	03:11 77S	09:29 276
2025 Aug 14 (Thu)	22:19 74	04:00 84S	10:27 283
2025 Aug 15 (Fri)	23:04 68	04:50 91S	11:27 289
2025 Aug 16 (Sat)	23:55 64	05:45 85N	12:29 294
2025 Aug 17 (Sun)		06:43 81N	13:34 298
2025 Aug 18 (Mon)	00:51 61	07:44 79N	14:38 300
2025 Aug 19 (Tue)	01:52 60	08:46 79N	15:39 299
2025 Aug 20 (Wed)	02:55 61	09:46 81N	16:35 297
2025 Aug 21 (Thu)	03:57 65	10:43 84N	17:25 293
2025 Aug 22 (Fri)	04:57 69	11:35 89N	18:09 288
2025 Aug 23 (Sat)	05:53 75	12:23 87S	18:48 282
2025 Aug 24 (Sun)	06:46 81	13:07 81S	19:24 276
2025 Aug 25 (Mon)	07:36 88	13:49 74S	19:58 269
2025 Aug 26 (Tue)	08:24 94	14:30 68S	20:31 263

2025 Aug 27 (Wed)	09:13 100	15:10 62S	21:05 257
2025 Aug 28 (Thu)	10:01 106	15:52 57S	21:40 252
2025 Aug 29 (Fri)	10:51 111	16:36 52S	22:18 247
2025 Aug 30 (Sat)	11:43 115	17:22 49S	23:00 243
2025 Aug 31 (Sun)	12:36 118	18:12 46S	23:46 241
2025 Sep 01 (Mon)	13:30 120	19:04 45S	
2025 Sep 02 (Tue)	14:24 120	19:57 45S	00:37 240
2025 Sep 03 (Wed)	15:16 118	20:52 47S	01:32 240
2025 Sep 04 (Thu)	16:05 115	21:45 50S	02:29 243
2025 Sep 05 (Fri)	16:51 111	22:37 55S	03:28 247
2025 Sep 06 (Sat)	17:33 105	23:27 61S	04:26 252
2025 Sep 07 (Sun)	18:14 98		05:24 258
2025 Sep 08 (Mon)	18:54 91	00:16 67S	06:21 265
2025 Sep 09 (Tue)	19:34 84	01:04 74S	07:19 273
2025 Sep 10 (Wed)	20:15 76	01:53 82S	08:17 280
2025 Sep 11 (Thu)	21:01 70	02:44 89S	09:18 287
2025 Sep 12 (Fri)	21:51 65	03:39 87N	10:21 293
2025 Sep 13 (Sat)	22:46 61	04:37 82N	11:27 297
2025 Sep 14 (Sun)	23:46 60	05:38 80N	12:32 300
2025 Sep 15 (Mon)		06:40 79N	13:34 300
2025 Sep 16 (Tue)	00:48 61	07:41 80N	14:31 298
2025 Sep 17 (Wed)	01:50 63	08:38 83N	15:22 295
2025 Sep 18 (Thu)	02:50 67	09:30 87N	16:07 290
2025 Sep 19 (Fri)	03:46 73	10:18 89S	16:47 284
2025 Sep 20 (Sat)	04:39 79	11:03 83S	17:23 278
2025 Sep 21 (Sun)	05:29 85	11:45 77S	17:57 272
2025 Sep 22 (Mon)	06:18 91	12:26 71S	18:30 265
2025 Sep 23 (Tue)	07:06 98	13:07 65S	19:04 259
2025 Sep 24 (Wed)	07:54 104	13:48 59S	19:38 254
2025 Sep 25 (Thu)	08:44 109	14:31 54S	20:15 249
2025 Sep 26 (Fri)	09:35 113	15:16 50S	20:56 245
2025 Sep 27 (Sat)	10:27 117	16:04 47S	21:40 242
2025 Sep 28 (Sun)	11:20 119	16:55 45S	22:28 240
2025 Sep 29 (Mon)	12:14 120	17:47 45S	23:21 240
2025 Sep 30 (Tue)	13:06 119	18:40 46S	
2025 Oct 01 (Wed)	13:55 117	19:33 48S	00:16 242
2025 Oct 02 (Thu)	14:41 113	20:24 52S	01:13 245
2025 Oct 03 (Fri)	15:25 108	21:14 57S	02:10 249
2025 Oct 04 (Sat)	16:06 102	22:03 64S	03:07 255
2025 Oct 05 (Sun)	16:46 95	22:51 71S	04:04 262
2025 Oct 06 (Mon)	17:26 87	23:41 78S	05:02 269
2025 Oct 07 (Tue)	18:07 80		06:00 277
2025 Oct 08 (Wed)	18:52 73	00:32 85S	07:02 284
2025 Oct 09 (Thu)	19:42 67	01:27 89N	08:06 290
2025 Oct 10 (Fri)	20:37 63	02:25 84N	09:13 296
2025 Oct 11 (Sat)	21:37 60	03:28 80N	10:21 299
2025 Oct 12 (Sun)	22:41 60	04:32 79N	11:26 300
2025 Oct 13 (Mon)	23:44 62	05:34 79N	12:26 299
2025 Oct 14 (Tue)		06:33 82N	13:20 296
2025 Oct 15 (Wed)	00:45 66	07:27 86N	14:06 291
2025 Oct 16 (Thu)	01:42 71	08:17 91S	14:47 286
2025 Oct 17 (Fri)	02:35 77	09:02 85S	15:24 280
2025 Oct 18 (Sat)	03:26 83	09:44 79S	15:58 274
2025 Oct 19 (Sun)	04:14 89	10:25 73S	16:31 268
2025 Oct 20 (Mon)	05:02 96	11:05 67S	17:04 261
2025 Oct 21 (Tue)	05:50 102	11:46 61S	17:38 256
2025 Oct 22 (Wed)	06:39 107	12:28 56S	18:14 251
2025 Oct 23 (Thu)	07:29 112	13:13 51S	18:54 246
2025 Oct 24 (Fri)	08:21 116	14:00 48S	19:36 243
2025 Oct 25 (Sat)	09:14 118	14:49 46S	20:23 241
2025 Oct 26 (Sun)	10:07 120	15:41 45S	21:14 240
2025 Oct 27 (Mon)	10:59 120	16:33 45S	22:07 241
2025 Oct 28 (Tue)	11:48 118	17:24 47S	23:03 243
2025 Oct 29 (Wed)	12:34 115	18:15 51S	23:58 247
2025 Oct 30 (Thu)	13:17 110	19:04 55S	
2025 Oct 31 (Fri)	13:58 105	19:51 61S	00:53 252
2025 Nov 01 (Sat)	14:37 98	20:38 67S	01:49 258

2025 Nov 02 (Sun)	15:16 91	21:26 74S	02:44 265
2025 Nov 03 (Mon)	15:56 84	22:16 82S	03:41 273
2025 Nov 04 (Tue)	16:39 76	23:09 89S	04:40 280
2025 Nov 05 (Wed)	17:27 70		05:43 287
2025 Nov 06 (Thu)	18:21 65	00:06 87N	06:50 293
2025 Nov 07 (Fri)	19:21 61	01:09 82N	08:00 297
2025 Nov 08 (Sat)	20:26 60	02:14 79N	09:09 300
2025 Nov 09 (Sun)	21:32 62	03:20 79N	10:14 299
2025 Nov 10 (Mon)	22:36 65	04:23 81N	11:12 297
2025 Nov 11 (Tue)	23:36 70	05:21 84N	12:03 293
2025 Nov 12 (Wed)		06:13 89N	12:46 288
2025 Nov 13 (Thu)	00:31 75	07:00 87S	13:25 282
2025 Nov 14 (Fri)	01:23 81	07:43 81S	14:00 276
2025 Nov 15 (Sat)	02:12 88	08:25 75S	14:33 269
2025 Nov 16 (Sun)	02:59 94	09:05 69S	15:06 263
2025 Nov 17 (Mon)	03:47 100	09:45 63S	15:40 257
2025 Nov 18 (Tue)	04:35 105	10:26 57S	16:15 252
2025 Nov 19 (Wed)	05:25 110	11:10 53S	16:53 248
2025 Nov 20 (Thu)	06:16 115	11:56 49S	17:35 244
2025 Nov 21 (Fri)	07:09 118	12:45 46S	18:20 241
2025 Nov 22 (Sat)	08:02 119	13:36 45S	19:10 240
2025 Nov 23 (Sun)	08:54 120	14:28 45S	20:03 241
2025 Nov 24 (Mon)	09:44 118	15:20 47S	20:57 243
2025 Nov 25 (Tue)	10:31 116	16:10 50S	21:52 246
2025 Nov 26 (Wed)	11:14 112	16:59 54S	22:46 251
2025 Nov 27 (Thu)	11:55 107	17:45 59S	23:39 256
2025 Nov 28 (Fri)	12:33 101	18:31 65S	
2025 Nov 29 (Sat)	13:10 94	19:16 71S	00:33 262
2025 Nov 30 (Sun)	13:48 87	20:03 78S	01:26 269
2025 Dec 01 (Mon)	14:28 80	20:52 85S	02:22 277
2025 Dec 02 (Tue)	15:12 73	21:46 90N	03:21 284
2025 Dec 03 (Wed)	16:02 67	22:45 84N	04:25 290
2025 Dec 04 (Thu)	16:59 63	23:50 81N	05:33 295
2025 Dec 05 (Fri)	18:02 61		06:43 299
2025 Dec 06 (Sat)	19:10 61	00:57 79N	07:52 300
2025 Dec 07 (Sun)	20:18 63	02:04 80N	08:56 298
2025 Dec 08 (Mon)	21:22 68	03:07 83N	09:52 295
2025 Dec 09 (Tue)	22:21 73	04:03 87N	10:40 290
2025 Dec 10 (Wed)	23:16 79	04:54 89S	11:22 284
2025 Dec 11 (Thu)		05:40 83S	11:59 278
2025 Dec 12 (Fri)	00:07 86	06:22 76S	12:34 271
2025 Dec 13 (Sat)	00:56 92	07:03 70S	13:07 265
2025 Dec 14 (Sun)	01:44 98	07:44 64S	13:40 259
2025 Dec 15 (Mon)	02:32 104	08:25 59S	14:15 254
2025 Dec 16 (Tue)	03:21 109	09:08 54S	14:52 249
2025 Dec 17 (Wed)	04:11 113	09:53 50S	15:33 245
2025 Dec 18 (Thu)	05:04 117	10:41 47S	16:17 242
2025 Dec 19 (Fri)	05:57 119	11:32 45S	17:06 241
2025 Dec 20 (Sat)	06:50 120	12:24 45S	17:58 241
2025 Dec 21 (Sun)	07:41 119	13:16 46S	18:53 242
2025 Dec 22 (Mon)	08:29 117	14:07 49S	19:48 245
2025 Dec 23 (Tue)	09:14 113	14:57 52S	20:42 249
2025 Dec 24 (Wed)	09:55 108	15:43 57S	21:35 255
2025 Dec 25 (Thu)	10:33 102	16:29 63S	22:28 261
2025 Dec 26 (Fri)	11:10 96	17:13 69S	23:20 267
2025 Dec 27 (Sat)	11:46 89	17:57 76S	
2025 Dec 28 (Sun)	12:24 83	18:44 83S	00:13 274
2025 Dec 29 (Mon)	13:04 76	19:34 89S	01:09 281
2025 Dec 30 (Tue)	13:49 70	20:28 87N	02:08 287
2025 Dec 31 (Wed)	14:41 65	21:28 82N	03:11 293