

Sun

Phayao

Location: E 99°49'22.7", N19°08'27.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2025 Jan 01 (Wed)	06:03	06:54 114		12:24 49S	17:54 246		18:45
2025 Jan 02 (Thu)	06:03	06:55 114		12:25 49S	17:55 246		18:46
2025 Jan 03 (Fri)	06:04	06:55 114		12:25 49S	17:56 246		18:47
2025 Jan 04 (Sat)	06:04	06:55 114		12:26 49S	17:56 246		18:47
2025 Jan 05 (Sun)	06:04	06:55 114		12:26 49S	17:57 246		18:48
2025 Jan 06 (Mon)	06:05	06:56 114		12:27 49S	17:58 246		18:48
2025 Jan 07 (Tue)	06:05	06:56 113		12:27 49S	17:58 247		18:49
2025 Jan 08 (Wed)	06:05	06:56 113		12:27 49S	17:59 247		18:50
2025 Jan 09 (Thu)	06:06	06:56 113		12:28 50S	17:59 247		18:50
2025 Jan 10 (Fri)	06:06	06:56 113		12:28 50S	18:00 247		18:51
2025 Jan 11 (Sat)	06:06	06:57 113		12:29 50S	18:01 247		18:51
2025 Jan 12 (Sun)	06:06	06:57 113		12:29 50S	18:01 247		18:52
2025 Jan 13 (Mon)	06:06	06:57 112		12:29 50S	18:02 248		18:53
2025 Jan 14 (Tue)	06:07	06:57 112		12:30 50S	18:03 248		18:53
2025 Jan 15 (Wed)	06:07	06:57 112		12:30 50S	18:03 248		18:54
2025 Jan 16 (Thu)	06:07	06:57 112		12:30 51S	18:04 248		18:54
2025 Jan 17 (Fri)	06:07	06:57 112		12:31 51S	18:05 248		18:55
2025 Jan 18 (Sat)	06:07	06:57 111		12:31 51S	18:05 249		18:55
2025 Jan 19 (Sun)	06:07	06:57 111		12:31 51S	18:06 249		18:56
2025 Jan 20 (Mon)	06:07	06:57 111		12:32 52S	18:07 249		18:57
2025 Jan 21 (Tue)	06:07	06:57 111		12:32 52S	18:07 249		18:57
2025 Jan 22 (Wed)	06:07	06:57 111		12:32 52S	18:08 250		18:58
2025 Jan 23 (Thu)	06:07	06:57 110		12:33 52S	18:08 250		18:58
2025 Jan 24 (Fri)	06:07	06:57 110		12:33 52S	18:09 250		18:59
2025 Jan 25 (Sat)	06:07	06:57 110		12:33 53S	18:10 250		18:59
2025 Jan 26 (Sun)	06:07	06:56 110		12:33 53S	18:10 251		19:00
2025 Jan 27 (Mon)	06:07	06:56 109		12:33 53S	18:11 251		19:00
2025 Jan 28 (Tue)	06:07	06:56 109		12:34 53S	18:11 251		19:01
2025 Jan 29 (Wed)	06:06	06:56 109		12:34 54S	18:12 251		19:01
2025 Jan 30 (Thu)	06:06	06:56 108		12:34 54S	18:13 252		19:02
2025 Jan 31 (Fri)	06:06	06:55 108		12:34 54S	18:13 252		19:02
2025 Feb 01 (Sat)	06:06	06:55 108		12:34 55S	18:14 252		19:03
2025 Feb 02 (Sun)	06:06	06:55 108		12:34 55S	18:14 253		19:03
2025 Feb 03 (Mon)	06:05	06:54 107		12:35 55S	18:15 253		19:04
2025 Feb 04 (Tue)	06:05	06:54 107		12:35 55S	18:15 253		19:04
2025 Feb 05 (Wed)	06:05	06:54 107		12:35 56S	18:16 254		19:05
2025 Feb 06 (Thu)	06:05	06:53 106		12:35 56S	18:16 254		19:05
2025 Feb 07 (Fri)	06:04	06:53 106		12:35 56S	18:17 254		19:06
2025 Feb 08 (Sat)	06:04	06:53 106		12:35 57S	18:17 255		19:06
2025 Feb 09 (Sun)	06:03	06:52 105		12:35 57S	18:18 255		19:07
2025 Feb 10 (Mon)	06:03	06:52 105		12:35 57S	18:18 255		19:07
2025 Feb 11 (Tue)	06:03	06:51 105		12:35 58S	18:19 256		19:07
2025 Feb 12 (Wed)	06:02	06:51 104		12:35 58S	18:19 256		19:08
2025 Feb 13 (Thu)	06:02	06:50 104		12:35 58S	18:20 256		19:08
2025 Feb 14 (Fri)	06:01	06:50 103		12:35 59S	18:20 257		19:09
2025 Feb 15 (Sat)	06:01	06:49 103		12:35 59S	18:21 257		19:09
2025 Feb 16 (Sun)	06:00	06:49 103		12:35 59S	18:21 257		19:09
2025 Feb 17 (Mon)	06:00	06:48 102		12:35 60S	18:22 258		19:10
2025 Feb 18 (Tue)	05:59	06:47 102		12:35 60S	18:22 258		19:10
2025 Feb 19 (Wed)	05:59	06:47 102		12:34 60S	18:22 259		19:10
2025 Feb 20 (Thu)	05:58	06:46 101		12:34 61S	18:23 259		19:11
2025 Feb 21 (Fri)	05:58	06:46 101		12:34 61S	18:23 259		19:11
2025 Feb 22 (Sat)	05:57	06:45 100		12:34 61S	18:24 260		19:11
2025 Feb 23 (Sun)	05:57	06:44 100		12:34 62S	18:24 260		19:12
2025 Feb 24 (Mon)	05:56	06:44 100		12:34 62S	18:24 260		19:12

2025	Feb	25	(Tue)	05:55	06:43	99	12:34	63S	18:25	261	19:12
2025	Feb	26	(Wed)	05:55	06:42	99	12:34	63S	18:25	261	19:13
2025	Feb	27	(Thu)	05:54	06:42	99	12:33	63S	18:26	262	19:13
2025	Feb	28	(Fri)	05:53	06:41	98	12:33	64S	18:26	262	19:13
2025	Mar	01	(Sat)	05:53	06:40	98	12:33	64S	18:26	262	19:14
2025	Mar	02	(Sun)	05:52	06:39	97	12:33	64S	18:27	263	19:14
2025	Mar	03	(Mon)	05:51	06:39	97	12:33	65S	18:27	263	19:14
2025	Mar	04	(Tue)	05:50	06:38	97	12:32	65S	18:27	264	19:15
2025	Mar	05	(Wed)	05:50	06:37	96	12:32	66S	18:28	264	19:15
2025	Mar	06	(Thu)	05:49	06:36	96	12:32	66S	18:28	265	19:15
2025	Mar	07	(Fri)	05:48	06:36	95	12:32	66S	18:28	265	19:15
2025	Mar	08	(Sat)	05:47	06:35	95	12:31	67S	18:28	265	19:16
2025	Mar	09	(Sun)	05:47	06:34	94	12:31	67S	18:29	266	19:16
2025	Mar	10	(Mon)	05:46	06:33	94	12:31	68S	18:29	266	19:16
2025	Mar	11	(Tue)	05:45	06:32	94	12:31	68S	18:29	267	19:17
2025	Mar	12	(Wed)	05:44	06:32	93	12:30	68S	18:30	267	19:17
2025	Mar	13	(Thu)	05:44	06:31	93	12:30	69S	18:30	267	19:17
2025	Mar	14	(Fri)	05:43	06:30	92	12:30	69S	18:30	268	19:17
2025	Mar	15	(Sat)	05:42	06:29	92	12:30	70S	18:30	268	19:18
2025	Mar	16	(Sun)	05:41	06:28	92	12:29	70S	18:31	269	19:18
2025	Mar	17	(Mon)	05:40	06:27	91	12:29	70S	18:31	269	19:18
2025	Mar	18	(Tue)	05:39	06:27	91	12:29	71S	18:31	269	19:18
2025	Mar	19	(Wed)	05:38	06:26	90	12:28	71S	18:31	270	19:19
2025	Mar	20	(Thu)	05:38	06:25	90	12:28	72S	18:32	270	19:19
2025	Mar	21	(Fri)	05:37	06:24	89	12:28	72S	18:32	271	19:19
2025	Mar	22	(Sat)	05:36	06:23	89	12:28	72S	18:32	271	19:20
2025	Mar	23	(Sun)	05:35	06:22	89	12:27	73S	18:32	272	19:20
2025	Mar	24	(Mon)	05:34	06:22	88	12:27	73S	18:33	272	19:20
2025	Mar	25	(Tue)	05:33	06:21	88	12:27	73S	18:33	272	19:20
2025	Mar	26	(Wed)	05:32	06:20	87	12:26	74S	18:33	273	19:21
2025	Mar	27	(Thu)	05:32	06:19	87	12:26	74S	18:33	273	19:21
2025	Mar	28	(Fri)	05:31	06:18	87	12:26	75S	18:34	274	19:21
2025	Mar	29	(Sat)	05:30	06:17	86	12:25	75S	18:34	274	19:21
2025	Mar	30	(Sun)	05:29	06:16	86	12:25	75S	18:34	274	19:22
2025	Mar	31	(Mon)	05:28	06:16	85	12:25	76S	18:34	275	19:22
2025	Apr	01	(Tue)	05:27	06:15	85	12:25	76S	18:35	275	19:22
2025	Apr	02	(Wed)	05:26	06:14	84	12:24	77S	18:35	276	19:23
2025	Apr	03	(Thu)	05:25	06:13	84	12:24	77S	18:35	276	19:23
2025	Apr	04	(Fri)	05:25	06:12	84	12:24	77S	18:35	277	19:23
2025	Apr	05	(Sat)	05:24	06:11	83	12:23	78S	18:36	277	19:23
2025	Apr	06	(Sun)	05:23	06:11	83	12:23	78S	18:36	277	19:24
2025	Apr	07	(Mon)	05:22	06:10	82	12:23	78S	18:36	278	19:24
2025	Apr	08	(Tue)	05:21	06:09	82	12:23	79S	18:36	278	19:24
2025	Apr	09	(Wed)	05:20	06:08	82	12:22	79S	18:37	279	19:25
2025	Apr	10	(Thu)	05:19	06:07	81	12:22	80S	18:37	279	19:25
2025	Apr	11	(Fri)	05:18	06:07	81	12:22	80S	18:37	279	19:25
2025	Apr	12	(Sat)	05:18	06:06	81	12:21	80S	18:37	280	19:26
2025	Apr	13	(Sun)	05:17	06:05	80	12:21	81S	18:38	280	19:26
2025	Apr	14	(Mon)	05:16	06:04	80	12:21	81S	18:38	280	19:26
2025	Apr	15	(Tue)	05:15	06:04	79	12:21	81S	18:38	281	19:27
2025	Apr	16	(Wed)	05:14	06:03	79	12:20	82S	18:38	281	19:27
2025	Apr	17	(Thu)	05:13	06:02	79	12:20	82S	18:39	282	19:27
2025	Apr	18	(Fri)	05:13	06:01	78	12:20	82S	18:39	282	19:28
2025	Apr	19	(Sat)	05:12	06:01	78	12:20	83S	18:39	282	19:28
2025	Apr	20	(Sun)	05:11	06:00	78	12:20	83S	18:40	283	19:29
2025	Apr	21	(Mon)	05:10	05:59	77	12:19	84S	18:40	283	19:29
2025	Apr	22	(Tue)	05:09	05:58	77	12:19	84S	18:40	283	19:29
2025	Apr	23	(Wed)	05:09	05:58	76	12:19	84S	18:41	284	19:30
2025	Apr	24	(Thu)	05:08	05:57	76	12:19	85S	18:41	284	19:30
2025	Apr	25	(Fri)	05:07	05:56	76	12:19	85S	18:41	284	19:31
2025	Apr	26	(Sat)	05:06	05:56	75	12:18	85S	18:41	285	19:31
2025	Apr	27	(Sun)	05:06	05:55	75	12:18	85S	18:42	285	19:31
2025	Apr	28	(Mon)	05:05	05:55	75	12:18	86S	18:42	285	19:32
2025	Apr	29	(Tue)	05:04	05:54	74	12:18	86S	18:42	286	19:32
2025	Apr	30	(Wed)	05:04	05:53	74	12:18	86S	18:43	286	19:33
2025	May	01	(Thu)	05:03	05:53	74	12:18	87S	18:43	286	19:33
2025	May	02	(Fri)	05:02	05:52	73	12:18	87S	18:43	287	19:34

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

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

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

2025	Nov	20	(Thu)	05:41	06:31	111	12:06	52S	17:41	249	18:31
2025	Nov	21	(Fri)	05:42	06:32	111	12:07	52S	17:41	249	18:31
2025	Nov	22	(Sat)	05:42	06:32	111	12:07	51S	17:41	249	18:31
2025	Nov	23	(Sun)	05:43	06:33	111	12:07	51S	17:41	249	18:31
2025	Nov	24	(Mon)	05:43	06:33	112	12:07	51S	17:41	248	18:31
2025	Nov	25	(Tue)	05:44	06:34	112	12:08	51S	17:41	248	18:31
2025	Nov	26	(Wed)	05:44	06:35	112	12:08	51S	17:41	248	18:32
2025	Nov	27	(Thu)	05:45	06:35	112	12:08	50S	17:41	248	18:32
2025	Nov	28	(Fri)	05:45	06:36	112	12:09	50S	17:41	248	18:32
2025	Nov	29	(Sat)	05:46	06:36	112	12:09	50S	17:41	247	18:32
2025	Nov	30	(Sun)	05:47	06:37	113	12:09	50S	17:41	247	18:32
2025	Dec	01	(Mon)	05:47	06:38	113	12:10	50S	17:42	247	18:32
2025	Dec	02	(Tue)	05:48	06:38	113	12:10	50S	17:42	247	18:32
2025	Dec	03	(Wed)	05:48	06:39	113	12:10	49S	17:42	247	18:33
2025	Dec	04	(Thu)	05:49	06:40	113	12:11	49S	17:42	247	18:33
2025	Dec	05	(Fri)	05:49	06:40	113	12:11	49S	17:42	246	18:33
2025	Dec	06	(Sat)	05:50	06:41	114	12:12	49S	17:43	246	18:33
2025	Dec	07	(Sun)	05:50	06:41	114	12:12	49S	17:43	246	18:34
2025	Dec	08	(Mon)	05:51	06:42	114	12:13	49S	17:43	246	18:34
2025	Dec	09	(Tue)	05:52	06:43	114	12:13	49S	17:43	246	18:34
2025	Dec	10	(Wed)	05:52	06:43	114	12:13	49S	17:44	246	18:35
2025	Dec	11	(Thu)	05:53	06:44	114	12:14	49S	17:44	246	18:35
2025	Dec	12	(Fri)	05:53	06:44	114	12:14	48S	17:44	246	18:35
2025	Dec	13	(Sat)	05:54	06:45	114	12:15	48S	17:45	246	18:36
2025	Dec	14	(Sun)	05:54	06:46	114	12:15	48S	17:45	246	18:36
2025	Dec	15	(Mon)	05:55	06:46	114	12:16	48S	17:45	246	18:37
2025	Dec	16	(Tue)	05:56	06:47	114	12:16	48S	17:46	246	18:37
2025	Dec	17	(Wed)	05:56	06:47	114	12:17	48S	17:46	245	18:38
2025	Dec	18	(Thu)	05:57	06:48	115	12:17	48S	17:47	245	18:38
2025	Dec	19	(Fri)	05:57	06:48	115	12:18	48S	17:47	245	18:38
2025	Dec	20	(Sat)	05:58	06:49	115	12:18	48S	17:48	245	18:39
2025	Dec	21	(Sun)	05:58	06:49	115	12:19	48S	17:48	245	18:39
2025	Dec	22	(Mon)	05:59	06:50	115	12:19	48S	17:49	245	18:40
2025	Dec	23	(Tue)	05:59	06:50	115	12:20	48S	17:49	245	18:40
2025	Dec	24	(Wed)	06:00	06:51	115	12:20	48S	17:50	245	18:41
2025	Dec	25	(Thu)	06:00	06:51	115	12:21	48S	17:50	245	18:41
2025	Dec	26	(Fri)	06:01	06:52	115	12:21	48S	17:51	246	18:42
2025	Dec	27	(Sat)	06:01	06:52	114	12:22	48S	17:51	246	18:43
2025	Dec	28	(Sun)	06:01	06:53	114	12:22	48S	17:52	246	18:43
2025	Dec	29	(Mon)	06:02	06:53	114	12:23	48S	17:53	246	18:44
2025	Dec	30	(Tue)	06:02	06:53	114	12:23	48S	17:53	246	18:44
2025	Dec	31	(Wed)	06:03	06:54	114	12:24	48S	17:54	246	18:45

Sun

Phayao

Location: E 99°49'22.7", N19°08'27.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m				
2025	Jan	01	(Wed)	06:30	06:54	114	12:24	49S	17:54	246	18:18
2025	Jan	02	(Thu)	06:31	06:55	114	12:25	49S	17:55	246	18:19
2025	Jan	03	(Fri)	06:31	06:55	114	12:25	49S	17:56	246	18:19
2025	Jan	04	(Sat)	06:31	06:55	114	12:26	49S	17:56	246	18:20
2025	Jan	05	(Sun)	06:32	06:55	114	12:26	49S	17:57	246	18:21
2025	Jan	06	(Mon)	06:32	06:56	114	12:27	49S	17:58	246	18:21
2025	Jan	07	(Tue)	06:32	06:56	113	12:27	49S	17:58	247	18:22
2025	Jan	08	(Wed)	06:32	06:56	113	12:27	49S	17:59	247	18:22
2025	Jan	09	(Thu)	06:33	06:56	113	12:28	50S	17:59	247	18:23
2025	Jan	10	(Fri)	06:33	06:56	113	12:28	50S	18:00	247	18:24
2025	Jan	11	(Sat)	06:33	06:57	113	12:29	50S	18:01	247	18:24
2025	Jan	12	(Sun)	06:33	06:57	113	12:29	50S	18:01	247	18:25

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

2025 Mar 21 (Fri)	06:02	06:24	89	12:28	72S	18:32	271	18:54
2025 Mar 22 (Sat)	06:01	06:23	89	12:28	72S	18:32	271	18:54
2025 Mar 23 (Sun)	06:01	06:22	89	12:27	73S	18:32	272	18:54
2025 Mar 24 (Mon)	06:00	06:22	88	12:27	73S	18:33	272	18:55
2025 Mar 25 (Tue)	05:59	06:21	88	12:27	73S	18:33	272	18:55
2025 Mar 26 (Wed)	05:58	06:20	87	12:26	74S	18:33	273	18:55
2025 Mar 27 (Thu)	05:57	06:19	87	12:26	74S	18:33	273	18:55
2025 Mar 28 (Fri)	05:56	06:18	87	12:26	75S	18:34	274	18:56
2025 Mar 29 (Sat)	05:55	06:17	86	12:25	75S	18:34	274	18:56
2025 Mar 30 (Sun)	05:55	06:16	86	12:25	75S	18:34	274	18:56
2025 Mar 31 (Mon)	05:54	06:16	85	12:25	76S	18:34	275	18:56
2025 Apr 01 (Tue)	05:53	06:15	85	12:25	76S	18:35	275	18:57
2025 Apr 02 (Wed)	05:52	06:14	84	12:24	77S	18:35	276	18:57
2025 Apr 03 (Thu)	05:51	06:13	84	12:24	77S	18:35	276	18:57
2025 Apr 04 (Fri)	05:50	06:12	84	12:24	77S	18:35	277	18:57
2025 Apr 05 (Sat)	05:49	06:11	83	12:23	78S	18:36	277	18:58
2025 Apr 06 (Sun)	05:49	06:11	83	12:23	78S	18:36	277	18:58
2025 Apr 07 (Mon)	05:48	06:10	82	12:23	78S	18:36	278	18:58
2025 Apr 08 (Tue)	05:47	06:09	82	12:23	79S	18:36	278	18:59
2025 Apr 09 (Wed)	05:46	06:08	82	12:22	79S	18:37	279	18:59
2025 Apr 10 (Thu)	05:45	06:07	81	12:22	80S	18:37	279	18:59
2025 Apr 11 (Fri)	05:44	06:07	81	12:22	80S	18:37	279	18:59
2025 Apr 12 (Sat)	05:44	06:06	81	12:21	80S	18:37	280	19:00
2025 Apr 13 (Sun)	05:43	06:05	80	12:21	81S	18:38	280	19:00
2025 Apr 14 (Mon)	05:42	06:04	80	12:21	81S	18:38	280	19:00
2025 Apr 15 (Tue)	05:41	06:04	79	12:21	81S	18:38	281	19:01
2025 Apr 16 (Wed)	05:40	06:03	79	12:20	82S	18:38	281	19:01
2025 Apr 17 (Thu)	05:40	06:02	79	12:20	82S	18:39	282	19:01
2025 Apr 18 (Fri)	05:39	06:01	78	12:20	82S	18:39	282	19:02
2025 Apr 19 (Sat)	05:38	06:01	78	12:20	83S	18:39	282	19:02
2025 Apr 20 (Sun)	05:37	06:00	78	12:20	83S	18:40	283	19:02
2025 Apr 21 (Mon)	05:37	05:59	77	12:19	84S	18:40	283	19:02
2025 Apr 22 (Tue)	05:36	05:58	77	12:19	84S	18:40	283	19:03
2025 Apr 23 (Wed)	05:35	05:58	76	12:19	84S	18:41	284	19:03
2025 Apr 24 (Thu)	05:34	05:57	76	12:19	85S	18:41	284	19:04
2025 Apr 25 (Fri)	05:34	05:56	76	12:19	85S	18:41	284	19:04
2025 Apr 26 (Sat)	05:33	05:56	75	12:18	85S	18:41	285	19:04
2025 Apr 27 (Sun)	05:32	05:55	75	12:18	85S	18:42	285	19:05
2025 Apr 28 (Mon)	05:32	05:55	75	12:18	86S	18:42	285	19:05
2025 Apr 29 (Tue)	05:31	05:54	74	12:18	86S	18:42	286	19:05
2025 Apr 30 (Wed)	05:30	05:53	74	12:18	86S	18:43	286	19:06
2025 May 01 (Thu)	05:30	05:53	74	12:18	87S	18:43	286	19:06
2025 May 02 (Fri)	05:29	05:52	73	12:18	87S	18:43	287	19:06
2025 May 03 (Sat)	05:29	05:52	73	12:18	87S	18:44	287	19:07
2025 May 04 (Sun)	05:28	05:51	73	12:17	88S	18:44	287	19:07
2025 May 05 (Mon)	05:27	05:51	72	12:17	88S	18:45	288	19:08
2025 May 06 (Tue)	05:27	05:50	72	12:17	88S	18:45	288	19:08
2025 May 07 (Wed)	05:26	05:50	72	12:17	88S	18:45	288	19:08
2025 May 08 (Thu)	05:26	05:49	72	12:17	89S	18:46	289	19:09
2025 May 09 (Fri)	05:25	05:49	71	12:17	89S	18:46	289	19:09
2025 May 10 (Sat)	05:25	05:48	71	12:17	89S	18:46	289	19:10
2025 May 11 (Sun)	05:24	05:48	71	12:17	90S	18:47	289	19:10
2025 May 12 (Mon)	05:24	05:47	70	12:17	90S	18:47	290	19:10
2025 May 13 (Tue)	05:23	05:47	70	12:17	90S	18:47	290	19:11
2025 May 14 (Wed)	05:23	05:46	70	12:17	90S	18:48	290	19:11
2025 May 15 (Thu)	05:23	05:46	70	12:17	90S	18:48	290	19:12
2025 May 16 (Fri)	05:22	05:46	69	12:17	91N	18:49	291	19:12
2025 May 17 (Sat)	05:22	05:45	69	12:17	90N	18:49	291	19:13
2025 May 18 (Sun)	05:21	05:45	69	12:17	90N	18:49	291	19:13
2025 May 19 (Mon)	05:21	05:45	69	12:17	90N	18:50	291	19:13
2025 May 20 (Tue)	05:21	05:44	68	12:17	90N	18:50	292	19:14
2025 May 21 (Wed)	05:20	05:44	68	12:17	90N	18:51	292	19:14
2025 May 22 (Thu)	05:20	05:44	68	12:17	89N	18:51	292	19:15
2025 May 23 (Fri)	05:20	05:44	68	12:17	89N	18:51	292	19:15
2025 May 24 (Sat)	05:20	05:43	68	12:18	89N	18:52	292	19:16
2025 May 25 (Sun)	05:19	05:43	67	12:18	89N	18:52	293	19:16
2025 May 26 (Mon)	05:19	05:43	67	12:18	89N	18:53	293	19:16

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

2025 Aug 02 (Sat)	05:34	05:58	71	12:27	89S	18:56	289	19:19
2025 Aug 03 (Sun)	05:35	05:58	71	12:27	89S	18:56	289	19:19
2025 Aug 04 (Mon)	05:35	05:58	71	12:27	89S	18:55	288	19:18
2025 Aug 05 (Tue)	05:36	05:59	72	12:27	88S	18:54	288	19:18
2025 Aug 06 (Wed)	05:36	05:59	72	12:27	88S	18:54	288	19:17
2025 Aug 07 (Thu)	05:36	05:59	72	12:27	88S	18:53	288	19:16
2025 Aug 08 (Fri)	05:37	06:00	73	12:26	88S	18:53	287	19:16
2025 Aug 09 (Sat)	05:37	06:00	73	12:26	87S	18:52	287	19:15
2025 Aug 10 (Sun)	05:37	06:00	73	12:26	87S	18:52	287	19:15
2025 Aug 11 (Mon)	05:38	06:01	74	12:26	87S	18:51	286	19:14
2025 Aug 12 (Tue)	05:38	06:01	74	12:26	86S	18:50	286	19:13
2025 Aug 13 (Wed)	05:38	06:01	74	12:26	86S	18:50	286	19:13
2025 Aug 14 (Thu)	05:39	06:01	74	12:25	86S	18:49	285	19:12
2025 Aug 15 (Fri)	05:39	06:02	75	12:25	86S	18:48	285	19:11
2025 Aug 16 (Sat)	05:39	06:02	75	12:25	85S	18:48	285	19:11
2025 Aug 17 (Sun)	05:40	06:02	75	12:25	85S	18:47	284	19:10
2025 Aug 18 (Mon)	05:40	06:03	76	12:25	85S	18:46	284	19:09
2025 Aug 19 (Tue)	05:40	06:03	76	12:24	84S	18:46	284	19:08
2025 Aug 20 (Wed)	05:40	06:03	77	12:24	84S	18:45	283	19:08
2025 Aug 21 (Thu)	05:41	06:03	77	12:24	84S	18:44	283	19:07
2025 Aug 22 (Fri)	05:41	06:04	77	12:24	83S	18:43	283	19:06
2025 Aug 23 (Sat)	05:41	06:04	78	12:23	83S	18:43	282	19:05
2025 Aug 24 (Sun)	05:42	06:04	78	12:23	83S	18:42	282	19:04
2025 Aug 25 (Mon)	05:42	06:04	78	12:23	82S	18:41	281	19:04
2025 Aug 26 (Tue)	05:42	06:04	79	12:23	82S	18:40	281	19:03
2025 Aug 27 (Wed)	05:42	06:05	79	12:22	82S	18:40	281	19:02
2025 Aug 28 (Thu)	05:43	06:05	79	12:22	81S	18:39	280	19:01
2025 Aug 29 (Fri)	05:43	06:05	80	12:22	81S	18:38	280	19:00
2025 Aug 30 (Sat)	05:43	06:05	80	12:21	80S	18:37	280	18:59
2025 Aug 31 (Sun)	05:43	06:06	81	12:21	80S	18:36	279	18:59
2025 Sep 01 (Mon)	05:43	06:06	81	12:21	80S	18:36	279	18:58
2025 Sep 02 (Tue)	05:44	06:06	81	12:20	79S	18:35	278	18:57
2025 Sep 03 (Wed)	05:44	06:06	82	12:20	79S	18:34	278	18:56
2025 Sep 04 (Thu)	05:44	06:06	82	12:20	79S	18:33	278	18:55
2025 Sep 05 (Fri)	05:44	06:06	83	12:19	78S	18:32	277	18:54
2025 Sep 06 (Sat)	05:45	06:07	83	12:19	78S	18:31	277	18:53
2025 Sep 07 (Sun)	05:45	06:07	83	12:19	78S	18:30	277	18:52
2025 Sep 08 (Mon)	05:45	06:07	84	12:18	77S	18:29	276	18:52
2025 Sep 09 (Tue)	05:45	06:07	84	12:18	77S	18:29	276	18:51
2025 Sep 10 (Wed)	05:45	06:07	84	12:18	76S	18:28	275	18:50
2025 Sep 11 (Thu)	05:46	06:08	85	12:17	76S	18:27	275	18:49
2025 Sep 12 (Fri)	05:46	06:08	85	12:17	76S	18:26	274	18:48
2025 Sep 13 (Sat)	05:46	06:08	86	12:17	75S	18:25	274	18:47
2025 Sep 14 (Sun)	05:46	06:08	86	12:16	75S	18:24	274	18:46
2025 Sep 15 (Mon)	05:46	06:08	87	12:16	74S	18:23	273	18:45
2025 Sep 16 (Tue)	05:47	06:08	87	12:16	74S	18:22	273	18:44
2025 Sep 17 (Wed)	05:47	06:09	87	12:15	74S	18:21	272	18:43
2025 Sep 18 (Thu)	05:47	06:09	88	12:15	73S	18:21	272	18:43
2025 Sep 19 (Fri)	05:47	06:09	88	12:15	73S	18:20	272	18:42
2025 Sep 20 (Sat)	05:47	06:09	89	12:14	73S	18:19	271	18:41
2025 Sep 21 (Sun)	05:48	06:09	89	12:14	72S	18:18	271	18:40
2025 Sep 22 (Mon)	05:48	06:10	89	12:13	72S	18:17	270	18:39
2025 Sep 23 (Tue)	05:48	06:10	90	12:13	71S	18:16	270	18:38
2025 Sep 24 (Wed)	05:48	06:10	90	12:13	71S	18:15	270	18:37
2025 Sep 25 (Thu)	05:48	06:10	91	12:12	71S	18:14	269	18:36
2025 Sep 26 (Fri)	05:48	06:10	91	12:12	70S	18:13	269	18:35
2025 Sep 27 (Sat)	05:49	06:11	91	12:12	70S	18:13	268	18:34
2025 Sep 28 (Sun)	05:49	06:11	92	12:11	69S	18:12	268	18:34
2025 Sep 29 (Mon)	05:49	06:11	92	12:11	69S	18:11	268	18:33
2025 Sep 30 (Tue)	05:49	06:11	93	12:11	69S	18:10	267	18:32
2025 Oct 01 (Wed)	05:49	06:11	93	12:10	68S	18:09	267	18:31
2025 Oct 02 (Thu)	05:50	06:12	94	12:10	68S	18:08	266	18:30
2025 Oct 03 (Fri)	05:50	06:12	94	12:10	68S	18:07	266	18:29
2025 Oct 04 (Sat)	05:50	06:12	94	12:09	67S	18:07	265	18:28
2025 Oct 05 (Sun)	05:50	06:12	95	12:09	67S	18:06	265	18:28
2025 Oct 06 (Mon)	05:51	06:13	95	12:09	66S	18:05	265	18:27
2025 Oct 07 (Tue)	05:51	06:13	96	12:09	66S	18:04	264	18:26

2025	Oct	08	(Wed)	05:51	06:13	96	12:08	66S	18:03	264	18:25
2025	Oct	09	(Thu)	05:51	06:13	96	12:08	65S	18:02	263	18:24
2025	Oct	10	(Fri)	05:52	06:14	97	12:08	65S	18:02	263	18:24
2025	Oct	11	(Sat)	05:52	06:14	97	12:07	64S	18:01	263	18:23
2025	Oct	12	(Sun)	05:52	06:14	98	12:07	64S	18:00	262	18:22
2025	Oct	13	(Mon)	05:52	06:14	98	12:07	64S	17:59	262	18:21
2025	Oct	14	(Tue)	05:53	06:15	98	12:07	63S	17:59	261	18:21
2025	Oct	15	(Wed)	05:53	06:15	99	12:07	63S	17:58	261	18:20
2025	Oct	16	(Thu)	05:53	06:15	99	12:06	63S	17:57	261	18:19
2025	Oct	17	(Fri)	05:53	06:16	100	12:06	62S	17:56	260	18:19
2025	Oct	18	(Sat)	05:54	06:16	100	12:06	62S	17:56	260	18:18
2025	Oct	19	(Sun)	05:54	06:16	100	12:06	61S	17:55	260	18:17
2025	Oct	20	(Mon)	05:54	06:16	101	12:06	61S	17:54	259	18:16
2025	Oct	21	(Tue)	05:55	06:17	101	12:05	61S	17:54	259	18:16
2025	Oct	22	(Wed)	05:55	06:17	101	12:05	60S	17:53	258	18:15
2025	Oct	23	(Thu)	05:55	06:18	102	12:05	60S	17:52	258	18:15
2025	Oct	24	(Fri)	05:56	06:18	102	12:05	60S	17:52	258	18:14
2025	Oct	25	(Sat)	05:56	06:18	103	12:05	59S	17:51	257	18:13
2025	Oct	26	(Sun)	05:56	06:19	103	12:05	59S	17:50	257	18:13
2025	Oct	27	(Mon)	05:57	06:19	103	12:05	59S	17:50	257	18:12
2025	Oct	28	(Tue)	05:57	06:19	104	12:05	58S	17:49	256	18:12
2025	Oct	29	(Wed)	05:57	06:20	104	12:04	58S	17:49	256	18:11
2025	Oct	30	(Thu)	05:58	06:20	104	12:04	58S	17:48	256	18:11
2025	Oct	31	(Fri)	05:58	06:21	105	12:04	57S	17:48	255	18:10
2025	Nov	01	(Sat)	05:59	06:21	105	12:04	57S	17:47	255	18:10
2025	Nov	02	(Sun)	05:59	06:22	105	12:04	57S	17:47	255	18:09
2025	Nov	03	(Mon)	05:59	06:22	106	12:04	56S	17:46	254	18:09
2025	Nov	04	(Tue)	06:00	06:23	106	12:04	56S	17:46	254	18:09
2025	Nov	05	(Wed)	06:00	06:23	106	12:04	56S	17:45	254	18:08
2025	Nov	06	(Thu)	06:01	06:23	107	12:04	56S	17:45	253	18:08
2025	Nov	07	(Fri)	06:01	06:24	107	12:04	55S	17:45	253	18:07
2025	Nov	08	(Sat)	06:02	06:24	107	12:04	55S	17:44	253	18:07
2025	Nov	09	(Sun)	06:02	06:25	108	12:05	55S	17:44	252	18:07
2025	Nov	10	(Mon)	06:03	06:25	108	12:05	54S	17:44	252	18:06
2025	Nov	11	(Tue)	06:03	06:26	108	12:05	54S	17:43	252	18:06
2025	Nov	12	(Wed)	06:04	06:27	108	12:05	54S	17:43	251	18:06
2025	Nov	13	(Thu)	06:04	06:27	109	12:05	54S	17:43	251	18:06
2025	Nov	14	(Fri)	06:05	06:28	109	12:05	53S	17:42	251	18:05
2025	Nov	15	(Sat)	06:05	06:28	109	12:05	53S	17:42	251	18:05
2025	Nov	16	(Sun)	06:06	06:29	110	12:05	53S	17:42	250	18:05
2025	Nov	17	(Mon)	06:06	06:29	110	12:06	53S	17:42	250	18:05
2025	Nov	18	(Tue)	06:07	06:30	110	12:06	52S	17:42	250	18:05
2025	Nov	19	(Wed)	06:07	06:30	110	12:06	52S	17:42	250	18:05
2025	Nov	20	(Thu)	06:08	06:31	111	12:06	52S	17:41	249	18:05
2025	Nov	21	(Fri)	06:08	06:32	111	12:07	52S	17:41	249	18:05
2025	Nov	22	(Sat)	06:09	06:32	111	12:07	51S	17:41	249	18:05
2025	Nov	23	(Sun)	06:09	06:33	111	12:07	51S	17:41	249	18:05
2025	Nov	24	(Mon)	06:10	06:33	112	12:07	51S	17:41	248	18:05
2025	Nov	25	(Tue)	06:11	06:34	112	12:08	51S	17:41	248	18:05
2025	Nov	26	(Wed)	06:11	06:35	112	12:08	51S	17:41	248	18:05
2025	Nov	27	(Thu)	06:12	06:35	112	12:08	50S	17:41	248	18:05
2025	Nov	28	(Fri)	06:12	06:36	112	12:09	50S	17:41	248	18:05
2025	Nov	29	(Sat)	06:13	06:36	112	12:09	50S	17:41	247	18:05
2025	Nov	30	(Sun)	06:14	06:37	113	12:09	50S	17:41	247	18:05
2025	Dec	01	(Mon)	06:14	06:38	113	12:10	50S	17:42	247	18:05
2025	Dec	02	(Tue)	06:15	06:38	113	12:10	50S	17:42	247	18:05
2025	Dec	03	(Wed)	06:15	06:39	113	12:10	49S	17:42	247	18:06
2025	Dec	04	(Thu)	06:16	06:40	113	12:11	49S	17:42	247	18:06
2025	Dec	05	(Fri)	06:17	06:40	113	12:11	49S	17:42	246	18:06
2025	Dec	06	(Sat)	06:17	06:41	114	12:12	49S	17:43	246	18:06
2025	Dec	07	(Sun)	06:18	06:41	114	12:12	49S	17:43	246	18:06
2025	Dec	08	(Mon)	06:18	06:42	114	12:13	49S	17:43	246	18:07
2025	Dec	09	(Tue)	06:19	06:43	114	12:13	49S	17:43	246	18:07
2025	Dec	10	(Wed)	06:19	06:43	114	12:13	49S	17:44	246	18:07
2025	Dec	11	(Thu)	06:20	06:44	114	12:14	49S	17:44	246	18:08
2025	Dec	12	(Fri)	06:21	06:44	114	12:14	48S	17:44	246	18:08
2025	Dec	13	(Sat)	06:21	06:45	114	12:15	48S	17:45	246	18:08

2025	Dec 14	(Sun)	06:22	06:46	114	12:15	48S	17:45	246	18:09
2025	Dec 15	(Mon)	06:22	06:46	114	12:16	48S	17:45	246	18:09
2025	Dec 16	(Tue)	06:23	06:47	114	12:16	48S	17:46	246	18:10
2025	Dec 17	(Wed)	06:23	06:47	114	12:17	48S	17:46	245	18:10
2025	Dec 18	(Thu)	06:24	06:48	115	12:17	48S	17:47	245	18:11
2025	Dec 19	(Fri)	06:24	06:48	115	12:18	48S	17:47	245	18:11
2025	Dec 20	(Sat)	06:25	06:49	115	12:18	48S	17:48	245	18:12
2025	Dec 21	(Sun)	06:25	06:49	115	12:19	48S	17:48	245	18:12
2025	Dec 22	(Mon)	06:26	06:50	115	12:19	48S	17:49	245	18:13
2025	Dec 23	(Tue)	06:26	06:50	115	12:20	48S	17:49	245	18:13
2025	Dec 24	(Wed)	06:27	06:51	115	12:20	48S	17:50	245	18:14
2025	Dec 25	(Thu)	06:27	06:51	115	12:21	48S	17:50	245	18:14
2025	Dec 26	(Fri)	06:28	06:52	115	12:21	48S	17:51	246	18:15
2025	Dec 27	(Sat)	06:28	06:52	114	12:22	48S	17:51	246	18:15
2025	Dec 28	(Sun)	06:29	06:53	114	12:22	48S	17:52	246	18:16
2025	Dec 29	(Mon)	06:29	06:53	114	12:23	48S	17:53	246	18:16
2025	Dec 30	(Tue)	06:30	06:53	114	12:23	48S	17:53	246	18:17
2025	Dec 31	(Wed)	06:30	06:54	114	12:24	48S	17:54	246	18:17

Moon

Phayao

Location: E 99°49'22.7", N19°08'27.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit Alt.	Set	Az.
	h m °		h m °	h m °	
2025 Jan 01 (Wed)	08:05	117	13:39	46S	19:15 244
2025 Jan 02 (Thu)	08:54	113	14:33	50S	20:16 249
2025 Jan 03 (Fri)	09:38	108	15:25	55S	21:16 255
2025 Jan 04 (Sat)	10:18	102	16:14	62S	22:14 262
2025 Jan 05 (Sun)	10:56	95	17:01	69S	23:11 269
2025 Jan 06 (Mon)	11:33	87	17:48	76S	
2025 Jan 07 (Tue)	12:11	80	18:37	83S	00:08 276
2025 Jan 08 (Wed)	12:52	73	19:27	89S	01:07 283
2025 Jan 09 (Thu)	13:36	68	20:22	87N	02:08 290
2025 Jan 10 (Fri)	14:26	63	21:20	84N	03:12 295
2025 Jan 11 (Sat)	15:22	60	22:21	81N	04:17 299
2025 Jan 12 (Sun)	16:23	60	23:22	81N	05:21 300
2025 Jan 13 (Mon)	17:25	61			06:21 300
2025 Jan 14 (Tue)	18:27	64	00:22	83N	07:15 297
2025 Jan 15 (Wed)	19:26	69	01:17	87N	08:02 293
2025 Jan 16 (Thu)	20:21	75	02:07	90S	08:43 288
2025 Jan 17 (Fri)	21:13	81	02:53	85S	09:20 282
2025 Jan 18 (Sat)	22:02	87	03:35	79S	09:53 276
2025 Jan 19 (Sun)	22:50	93	04:15	73S	10:25 270
2025 Jan 20 (Mon)	23:37	99	04:55	67S	10:56 264
2025 Jan 21 (Tue)			05:34	61S	11:27 258
2025 Jan 22 (Wed)	00:26	105	06:15	56S	12:01 252
2025 Jan 23 (Thu)	01:16	110	06:59	51S	12:38 248
2025 Jan 24 (Fri)	02:09	115	07:45	47S	13:19 244
2025 Jan 25 (Sat)	03:05	118	08:36	44S	14:06 241
2025 Jan 26 (Sun)	04:02	120	09:31	42S	14:59 240
2025 Jan 27 (Mon)	04:59	120	10:28	43S	15:58 240
2025 Jan 28 (Tue)	05:54	119	11:26	44S	16:59 243
2025 Jan 29 (Wed)	06:46	115	12:22	48S	18:02 247
2025 Jan 30 (Thu)	07:32	110	13:16	53S	19:04 253
2025 Jan 31 (Fri)	08:15	104	14:08	59S	20:05 259
2025 Feb 01 (Sat)	08:55	97	14:57	66S	21:04 267
2025 Feb 02 (Sun)	09:33	89	15:45	74S	22:03 274
2025 Feb 03 (Mon)	10:11	82	16:34	81S	23:02 282
2025 Feb 04 (Tue)	10:51	75	17:24	87S	
2025 Feb 05 (Wed)	11:35	69	18:17	89N	00:02 288
2025 Feb 06 (Thu)	12:22	64	19:14	84N	01:05 294

2025 Feb 07 (Fri)	13:15	61	20:13	82N	02:09	298
2025 Feb 08 (Sat)	14:13	60	21:13	81N	03:12	300
2025 Feb 09 (Sun)	15:14	60	22:12	82N	04:12	300
2025 Feb 10 (Mon)	16:15	63	23:08	85N	05:07	298
2025 Feb 11 (Tue)	17:14	67	23:59	89N	05:56	295
2025 Feb 12 (Wed)	18:10	72			06:39	290
2025 Feb 13 (Thu)	19:03	78	00:46	87S	07:17	285
2025 Feb 14 (Fri)	19:53	84	01:30	81S	07:51	279
2025 Feb 15 (Sat)	20:42	91	02:11	75S	08:24	272
2025 Feb 16 (Sun)	21:30	97	02:50	69S	08:55	266
2025 Feb 17 (Mon)	22:18	103	03:30	63S	09:26	260
2025 Feb 18 (Tue)	23:08	108	04:10	58S	09:59	254
2025 Feb 19 (Wed)	23:59	113	04:52	53S	10:34	249
2025 Feb 20 (Thu)			05:37	48S	11:13	245
2025 Feb 21 (Fri)	00:53	117	06:26	45S	11:57	242
2025 Feb 22 (Sat)	01:49	120	07:18	43S	12:46	240
2025 Feb 23 (Sun)	02:45	121	08:13	42S	13:41	240
2025 Feb 24 (Mon)	03:40	120	09:10	43S	14:41	241
2025 Feb 25 (Tue)	04:33	117	10:06	46S	15:43	244
2025 Feb 26 (Wed)	05:22	113	11:02	50S	16:46	250
2025 Feb 27 (Thu)	06:06	107	11:55	56S	17:48	256
2025 Feb 28 (Fri)	06:48	100	12:46	63S	18:49	263
2025 Mar 01 (Sat)	07:28	93	13:36	70S	19:49	271
2025 Mar 02 (Sun)	08:07	85	14:26	78S	20:50	279
2025 Mar 03 (Mon)	08:48	78	15:17	85S	21:52	286
2025 Mar 04 (Tue)	09:31	71	16:11	90N	22:56	292
2025 Mar 05 (Wed)	10:19	65	17:08	85N		
2025 Mar 06 (Thu)	11:11	62	18:07	82N	00:01	297
2025 Mar 07 (Fri)	12:08	60	19:08	81N	01:06	300
2025 Mar 08 (Sat)	13:08	60	20:07	82N	02:08	300
2025 Mar 09 (Sun)	14:09	62	21:03	84N	03:04	299
2025 Mar 10 (Mon)	15:08	65	21:55	88N	03:54	296
2025 Mar 11 (Tue)	16:04	70	22:42	89S	04:38	292
2025 Mar 12 (Wed)	16:57	76	23:27	83S	05:17	287
2025 Mar 13 (Thu)	17:47	82			05:52	281
2025 Mar 14 (Fri)	18:36	88	00:08	77S	06:24	275
2025 Mar 15 (Sat)	19:24	95	00:48	71S	06:55	268
2025 Mar 16 (Sun)	20:12	101	01:27	65S	07:26	262
2025 Mar 17 (Mon)	21:01	106	02:07	60S	07:58	256
2025 Mar 18 (Tue)	21:52	112	02:49	54S	08:33	251
2025 Mar 19 (Wed)	22:45	116	03:32	50S	09:10	246
2025 Mar 20 (Thu)	23:39	119	04:19	46S	09:51	243
2025 Mar 21 (Fri)			05:09	43S	10:38	240
2025 Mar 22 (Sat)	00:34	120	06:02	42S	11:30	239
2025 Mar 23 (Sun)	01:29	120	06:57	43S	12:26	240
2025 Mar 24 (Mon)	02:21	119	07:52	44S	13:25	243
2025 Mar 25 (Tue)	03:10	115	08:47	48S	14:26	247
2025 Mar 26 (Wed)	03:56	110	09:40	53S	15:27	252
2025 Mar 27 (Thu)	04:38	104	10:31	59S	16:28	259
2025 Mar 28 (Fri)	05:19	97	11:21	67S	17:29	267
2025 Mar 29 (Sat)	05:59	89	12:12	74S	18:31	275
2025 Mar 30 (Sun)	06:39	81	13:04	82S	19:34	283
2025 Mar 31 (Mon)	07:22	74	13:58	88S	20:39	290
2025 Apr 01 (Tue)	08:10	68	14:56	87N	21:47	295
2025 Apr 02 (Wed)	09:02	63	15:57	83N	22:54	299
2025 Apr 03 (Thu)	09:59	60	16:59	81N	23:59	300
2025 Apr 04 (Fri)	11:00	60	18:00	81N		
2025 Apr 05 (Sat)	12:02	61	18:58	83N	00:59	300
2025 Apr 06 (Sun)	13:02	64	19:52	87N	01:52	297
2025 Apr 07 (Mon)	14:00	69	20:41	90S	02:38	293
2025 Apr 08 (Tue)	14:53	74	21:26	85S	03:18	288
2025 Apr 09 (Wed)	15:44	80	22:07	79S	03:53	283
2025 Apr 10 (Thu)	16:33	86	22:47	73S	04:26	277
2025 Apr 11 (Fri)	17:21	93	23:26	67S	04:58	271
2025 Apr 12 (Sat)	18:08	99			05:28	264
2025 Apr 13 (Sun)	18:57	105	00:06	62S	06:00	258
2025 Apr 14 (Mon)	19:47	110	00:47	56S	06:33	253

2025 Apr 15 (Tue)	20:39 114	01:30 51S	07:09 248
2025 Apr 16 (Wed)	21:33 118	02:15 47S	07:49 244
2025 Apr 17 (Thu)	22:28 120	03:04 44S	08:34 241
2025 Apr 18 (Fri)	23:22 121	03:56 43S	09:24 240
2025 Apr 19 (Sat)		04:49 42S	10:18 240
2025 Apr 20 (Sun)	00:14 119	05:44 44S	11:15 242
2025 Apr 21 (Mon)	01:03 117	06:37 47S	12:13 245
2025 Apr 22 (Tue)	01:49 113	07:29 51S	13:12 250
2025 Apr 23 (Wed)	02:31 107	08:19 56S	14:11 256
2025 Apr 24 (Thu)	03:11 100	09:08 63S	15:10 263
2025 Apr 25 (Fri)	03:50 93	09:57 70S	16:10 271
2025 Apr 26 (Sat)	04:29 85	10:47 78S	17:11 279
2025 Apr 27 (Sun)	05:11 78	11:40 85S	18:16 286
2025 Apr 28 (Mon)	05:56 71	12:37 90N	19:23 292
2025 Apr 29 (Tue)	06:47 65	13:38 85N	20:33 297
2025 Apr 30 (Wed)	07:44 61	14:42 82N	21:42 300
2025 May 01 (Thu)	08:46 60	15:46 81N	22:47 300
2025 May 02 (Fri)	09:50 60	16:48 82N	23:44 298
2025 May 03 (Sat)	10:53 63	17:45 85N	
2025 May 04 (Sun)	11:53 67	18:37 90N	00:34 295
2025 May 05 (Mon)	12:48 72	19:24 87S	01:17 290
2025 May 06 (Tue)	13:41 78	20:07 81S	01:54 285
2025 May 07 (Wed)	14:30 84	20:47 75S	02:28 279
2025 May 08 (Thu)	15:18 91	21:26 69S	03:00 272
2025 May 09 (Fri)	16:05 97	22:06 63S	03:31 266
2025 May 10 (Sat)	16:53 103	22:46 58S	04:02 260
2025 May 11 (Sun)	17:43 108	23:28 53S	04:35 255
2025 May 12 (Mon)	18:34 113		05:10 250
2025 May 13 (Tue)	19:28 117	00:13 49S	05:49 245
2025 May 14 (Wed)	20:23 119	01:01 45S	06:32 242
2025 May 15 (Thu)	21:17 120	01:52 43S	07:20 240
2025 May 16 (Fri)	22:10 120	02:45 42S	08:13 240
2025 May 17 (Sat)	23:00 118	03:39 43S	09:09 241
2025 May 18 (Sun)	23:46 114	04:32 46S	10:07 244
2025 May 19 (Mon)		05:23 49S	11:05 248
2025 May 20 (Tue)	00:28 109	06:13 54S	12:02 254
2025 May 21 (Wed)	01:07 103	07:01 60S	12:59 260
2025 May 22 (Thu)	01:45 96	07:48 67S	13:56 268
2025 May 23 (Fri)	02:22 89	08:36 74S	14:54 275
2025 May 24 (Sat)	03:02 81	09:26 81S	15:55 283
2025 May 25 (Sun)	03:44 74	10:19 88S	17:00 289
2025 May 26 (Mon)	04:31 68	11:17 88N	18:08 295
2025 May 27 (Tue)	05:25 63	12:20 83N	19:18 299
2025 May 28 (Wed)	06:26 60	13:26 81N	20:27 300
2025 May 29 (Thu)	07:30 60	14:31 82N	21:29 299
2025 May 30 (Fri)	08:36 62	15:32 84N	22:24 296
2025 May 31 (Sat)	09:40 65	16:28 88N	23:11 292
2025 Jun 01 (Sun)	10:39 70	17:18 89S	23:52 287
2025 Jun 02 (Mon)	11:34 76	18:03 83S	
2025 Jun 03 (Tue)	12:25 82	18:45 77S	00:28 281
2025 Jun 04 (Wed)	13:14 89	19:25 71S	01:01 274
2025 Jun 05 (Thu)	14:01 95	20:04 65S	01:32 268
2025 Jun 06 (Fri)	14:49 101	20:44 60S	02:03 262
2025 Jun 07 (Sat)	15:38 106	21:26 54S	02:35 256
2025 Jun 08 (Sun)	16:29 111	22:10 50S	03:10 251
2025 Jun 09 (Mon)	17:22 116	22:57 46S	03:47 247
2025 Jun 10 (Tue)	18:17 119	23:47 44S	04:29 243
2025 Jun 11 (Wed)	19:12 120		05:16 241
2025 Jun 12 (Thu)	20:06 120	00:40 43S	06:08 240
2025 Jun 13 (Fri)	20:57 118	01:34 43S	07:04 241
2025 Jun 14 (Sat)	21:44 115	02:28 45S	08:02 243
2025 Jun 15 (Sun)	22:27 110	03:20 48S	09:00 247
2025 Jun 16 (Mon)	23:07 105	04:10 53S	09:57 252
2025 Jun 17 (Tue)	23:44 98	04:58 59S	10:53 258
2025 Jun 18 (Wed)		05:44 65S	11:49 265
2025 Jun 19 (Thu)	00:21 91	06:31 72S	12:45 273
2025 Jun 20 (Fri)	00:58 84	07:18 79S	13:43 280

2025 Jun 21 (Sat)	01:38	77	08:08	86S	14:44	287
2025 Jun 22 (Sun)	02:21	70	09:03	90N	15:49	293
2025 Jun 23 (Mon)	03:11	65	10:02	85N	16:57	297
2025 Jun 24 (Tue)	04:07	61	11:05	82N	18:05	300
2025 Jun 25 (Wed)	05:10	60	12:10	81N	19:11	300
2025 Jun 26 (Thu)	06:15	61	13:14	83N	20:10	298
2025 Jun 27 (Fri)	07:21	64	14:13	86N	21:01	294
2025 Jun 28 (Sat)	08:24	68	15:07	91N	21:45	289
2025 Jun 29 (Sun)	09:22	74	15:55	85S	22:24	283
2025 Jun 30 (Mon)	10:16	80	16:39	79S	22:59	277
2025 Jul 01 (Tue)	11:06	86	17:21	73S	23:31	270
2025 Jul 02 (Wed)	11:55	93	18:01	67S		
2025 Jul 03 (Thu)	12:43	99	18:41	61S	00:03	264
2025 Jul 04 (Fri)	13:32	105	19:22	56S	00:35	258
2025 Jul 05 (Sat)	14:22	110	20:05	51S	01:08	253
2025 Jul 06 (Sun)	15:14	114	20:51	47S	01:45	248
2025 Jul 07 (Mon)	16:09	118	21:40	44S	02:25	244
2025 Jul 08 (Tue)	17:04	120	22:33	43S	03:10	241
2025 Jul 09 (Wed)	17:59	120	23:27	43S	04:01	240
2025 Jul 10 (Thu)	18:52	119			04:56	240
2025 Jul 11 (Fri)	19:41	116	00:22	44S	05:54	242
2025 Jul 12 (Sat)	20:26	112	01:15	47S	06:53	246
2025 Jul 13 (Sun)	21:07	106	02:07	52S	07:51	251
2025 Jul 14 (Mon)	21:45	100	02:56	57S	08:49	257
2025 Jul 15 (Tue)	22:22	93	03:43	63S	09:45	263
2025 Jul 16 (Wed)	22:59	86	04:29	70S	10:41	271
2025 Jul 17 (Thu)	23:37	79	05:16	77S	11:38	278
2025 Jul 18 (Fri)			06:04	84S	12:36	285
2025 Jul 19 (Sat)	00:18	72	06:56	90S	13:38	291
2025 Jul 20 (Sun)	01:04	67	07:51	86N	14:43	296
2025 Jul 21 (Mon)	01:56	62	08:51	83N	15:50	299
2025 Jul 22 (Tue)	02:55	60	09:54	81N	16:55	300
2025 Jul 23 (Wed)	03:58	60	10:58	82N	17:56	299
2025 Jul 24 (Thu)	05:03	62	11:58	84N	18:50	296
2025 Jul 25 (Fri)	06:07	66	12:54	88N	19:37	291
2025 Jul 26 (Sat)	07:07	71	13:45	88S	20:18	286
2025 Jul 27 (Sun)	08:03	77	14:32	82S	20:55	279
2025 Jul 28 (Mon)	08:56	84	15:15	76S	21:29	273
2025 Jul 29 (Tue)	09:46	90	15:56	70S	22:01	267
2025 Jul 30 (Wed)	10:35	97	16:36	64S	22:33	260
2025 Jul 31 (Thu)	11:24	103	17:17	58S	23:06	255
2025 Aug 01 (Fri)	12:14	108	17:59	53S	23:41	250
2025 Aug 02 (Sat)	13:06	113	18:44	49S		
2025 Aug 03 (Sun)	13:59	117	19:32	45S	00:20	245
2025 Aug 04 (Mon)	14:54	119	20:23	43S	01:03	242
2025 Aug 05 (Tue)	15:49	120	21:17	42S	01:51	240
2025 Aug 06 (Wed)	16:42	120	22:11	43S	02:45	240
2025 Aug 07 (Thu)	17:33	118	23:06	46S	03:42	241
2025 Aug 08 (Fri)	18:20	114	23:59	50S	04:41	244
2025 Aug 09 (Sat)	19:04	109			05:41	248
2025 Aug 10 (Sun)	19:44	102	00:50	55S	06:40	254
2025 Aug 11 (Mon)	20:22	95	01:38	61S	07:37	261
2025 Aug 12 (Tue)	20:59	88	02:26	68S	08:35	268
2025 Aug 13 (Wed)	21:37	81	03:13	75S	09:32	276
2025 Aug 14 (Thu)	22:17	74	04:01	82S	10:31	283
2025 Aug 15 (Fri)	23:02	68	04:52	88S	11:32	289
2025 Aug 16 (Sat)	23:51	63	05:46	88N	12:36	295
2025 Aug 17 (Sun)			06:45	84N	13:41	298
2025 Aug 18 (Mon)	00:47	60	07:46	81N	14:46	300
2025 Aug 19 (Tue)	01:48	60	08:48	81N	15:47	300
2025 Aug 20 (Wed)	02:51	61	09:48	83N	16:42	297
2025 Aug 21 (Thu)	03:54	64	10:45	87N	17:31	293
2025 Aug 22 (Fri)	04:55	69	11:37	90S	18:14	288
2025 Aug 23 (Sat)	05:52	75	12:24	84S	18:52	282
2025 Aug 24 (Sun)	06:46	81	13:09	78S	19:27	276
2025 Aug 25 (Mon)	07:37	88	13:51	72S	19:59	269
2025 Aug 26 (Tue)	08:27	94	14:31	66S	20:31	263

2025 Aug 27 (Wed)	09:16 100	15:12 60S	21:04 257
2025 Aug 28 (Thu)	10:06 106	15:54 55S	21:38 251
2025 Aug 29 (Fri)	10:57 111	16:38 50S	22:16 247
2025 Aug 30 (Sat)	11:49 115	17:24 46S	22:57 243
2025 Aug 31 (Sun)	12:43 118	18:13 44S	23:42 241
2025 Sep 01 (Mon)	13:38 120	19:05 42S	
2025 Sep 02 (Tue)	14:31 120	19:59 43S	00:33 240
2025 Sep 03 (Wed)	15:23 119	20:54 44S	01:28 240
2025 Sep 04 (Thu)	16:12 116	21:47 48S	02:26 242
2025 Sep 05 (Fri)	16:56 111	22:39 52S	03:25 246
2025 Sep 06 (Sat)	17:38 105	23:29 58S	04:25 251
2025 Sep 07 (Sun)	18:17 98		05:24 258
2025 Sep 08 (Mon)	18:56 91	00:17 65S	06:22 265
2025 Sep 09 (Tue)	19:34 84	01:06 72S	07:21 273
2025 Sep 10 (Wed)	20:15 76	01:55 79S	08:21 280
2025 Sep 11 (Thu)	20:59 70	02:46 86S	09:23 287
2025 Sep 12 (Fri)	21:48 65	03:41 89N	10:27 293
2025 Sep 13 (Sat)	22:42 61	04:39 85N	11:34 298
2025 Sep 14 (Sun)	23:42 60	05:40 82N	12:39 300
2025 Sep 15 (Mon)		06:42 81N	13:42 300
2025 Sep 16 (Tue)	00:44 60	07:42 82N	14:38 298
2025 Sep 17 (Wed)	01:47 63	08:39 85N	15:28 295
2025 Sep 18 (Thu)	02:47 67	09:32 90N	16:12 290
2025 Sep 19 (Fri)	03:45 72	10:20 87S	16:51 284
2025 Sep 20 (Sat)	04:39 79	11:05 81S	17:26 278
2025 Sep 21 (Sun)	05:30 85	11:47 75S	17:59 272
2025 Sep 22 (Mon)	06:20 92	12:28 68S	18:31 265
2025 Sep 23 (Tue)	07:09 98	13:08 62S	19:04 259
2025 Sep 24 (Wed)	07:59 104	13:50 57S	19:37 254
2025 Sep 25 (Thu)	08:49 109	14:33 52S	20:13 249
2025 Sep 26 (Fri)	09:41 114	15:18 48S	20:53 244
2025 Sep 27 (Sat)	10:34 117	16:06 45S	21:36 241
2025 Sep 28 (Sun)	11:28 120	16:57 43S	22:24 240
2025 Sep 29 (Mon)	12:21 120	17:49 42S	23:17 240
2025 Sep 30 (Tue)	13:13 120	18:42 43S	
2025 Oct 01 (Wed)	14:02 117	19:35 46S	00:12 241
2025 Oct 02 (Thu)	14:47 113	20:26 50S	01:10 244
2025 Oct 03 (Fri)	15:30 108	21:16 55S	02:08 249
2025 Oct 04 (Sat)	16:10 102	22:05 61S	03:06 255
2025 Oct 05 (Sun)	16:48 95	22:53 68S	04:05 261
2025 Oct 06 (Mon)	17:27 87	23:42 76S	05:03 269
2025 Oct 07 (Tue)	18:07 80		06:03 277
2025 Oct 08 (Wed)	18:51 73	00:34 83S	07:06 284
2025 Oct 09 (Thu)	19:39 67	01:29 90S	08:12 291
2025 Oct 10 (Fri)	20:33 62	02:27 86N	09:20 296
2025 Oct 11 (Sat)	21:33 60	03:29 83N	10:28 299
2025 Oct 12 (Sun)	22:37 60	04:33 81N	11:34 300
2025 Oct 13 (Mon)	23:40 62	05:36 82N	12:34 299
2025 Oct 14 (Tue)		06:35 84N	13:26 296
2025 Oct 15 (Wed)	00:42 66	07:29 88N	14:12 292
2025 Oct 16 (Thu)	01:40 71	08:18 88S	14:52 286
2025 Oct 17 (Fri)	02:35 77	09:04 83S	15:28 280
2025 Oct 18 (Sat)	03:26 83	09:46 77S	16:01 274
2025 Oct 19 (Sun)	04:16 89	10:26 70S	16:33 267
2025 Oct 20 (Mon)	05:05 96	11:07 64S	17:05 261
2025 Oct 21 (Tue)	05:54 102	11:48 59S	17:38 256
2025 Oct 22 (Wed)	06:44 107	12:30 54S	18:13 250
2025 Oct 23 (Thu)	07:35 112	13:14 49S	18:51 246
2025 Oct 24 (Fri)	08:28 116	14:01 46S	19:33 242
2025 Oct 25 (Sat)	09:21 119	14:51 43S	20:19 240
2025 Oct 26 (Sun)	10:15 120	15:42 42S	21:10 240
2025 Oct 27 (Mon)	11:06 120	16:34 43S	22:04 241
2025 Oct 28 (Tue)	11:55 118	17:26 45S	22:59 243
2025 Oct 29 (Wed)	12:41 115	18:17 48S	23:56 247
2025 Oct 30 (Thu)	13:23 111	19:06 53S	
2025 Oct 31 (Fri)	14:03 105	19:53 58S	00:52 252
2025 Nov 01 (Sat)	14:40 98	20:40 65S	01:48 258

2025 Nov 02 (Sun)	15:18 91	21:28 72S	02:45 265
2025 Nov 03 (Mon)	15:57 84	22:17 79S	03:43 273
2025 Nov 04 (Tue)	16:39 76	23:10 86S	04:44 280
2025 Nov 05 (Wed)	17:25 70		05:48 287
2025 Nov 06 (Thu)	18:18 64	00:08 89N	06:56 293
2025 Nov 07 (Fri)	19:17 61	01:10 84N	08:07 298
2025 Nov 08 (Sat)	20:21 60	02:16 82N	09:17 300
2025 Nov 09 (Sun)	21:28 61	03:22 81N	10:22 300
2025 Nov 10 (Mon)	22:33 65	04:25 83N	11:19 297
2025 Nov 11 (Tue)	23:34 69	05:23 87N	12:09 293
2025 Nov 12 (Wed)		06:15 90S	12:52 288
2025 Nov 13 (Thu)	00:30 75	07:02 84S	13:29 282
2025 Nov 14 (Fri)	01:23 81	07:45 78S	14:03 276
2025 Nov 15 (Sat)	02:13 87	08:26 72S	14:35 269
2025 Nov 16 (Sun)	03:02 94	09:06 66S	15:07 263
2025 Nov 17 (Mon)	03:50 100	09:47 60S	15:39 257
2025 Nov 18 (Tue)	04:40 106	10:28 55S	16:13 252
2025 Nov 19 (Wed)	05:30 111	11:12 51S	16:51 247
2025 Nov 20 (Thu)	06:23 115	11:58 47S	17:31 244
2025 Nov 21 (Fri)	07:16 118	12:47 44S	18:17 241
2025 Nov 22 (Sat)	08:10 120	13:38 43S	19:06 240
2025 Nov 23 (Sun)	09:02 120	14:30 43S	19:59 240
2025 Nov 24 (Mon)	09:52 119	15:22 44S	20:54 242
2025 Nov 25 (Tue)	10:38 116	16:12 47S	21:49 246
2025 Nov 26 (Wed)	11:20 112	17:01 51S	22:44 250
2025 Nov 27 (Thu)	12:00 107	17:47 56S	23:39 256
2025 Nov 28 (Fri)	12:37 101	18:33 62S	
2025 Nov 29 (Sat)	13:13 94	19:18 69S	00:33 262
2025 Nov 30 (Sun)	13:49 87	20:05 76S	01:28 269
2025 Dec 01 (Mon)	14:28 80	20:54 83S	02:25 277
2025 Dec 02 (Tue)	15:11 73	21:48 89S	03:26 284
2025 Dec 03 (Wed)	15:59 67	22:47 87N	04:30 290
2025 Dec 04 (Thu)	16:55 63	23:51 83N	05:39 296
2025 Dec 05 (Fri)	17:58 60		06:51 299
2025 Dec 06 (Sat)	19:06 60	00:59 81N	08:00 300
2025 Dec 07 (Sun)	20:14 63	02:06 82N	09:03 298
2025 Dec 08 (Mon)	21:20 67	03:08 85N	09:59 295
2025 Dec 09 (Tue)	22:20 73	04:05 90N	10:46 290
2025 Dec 10 (Wed)	23:16 79	04:56 86S	11:26 284
2025 Dec 11 (Thu)		05:42 80S	12:02 278
2025 Dec 12 (Fri)	00:08 85	06:24 74S	12:36 271
2025 Dec 13 (Sat)	00:58 92	07:05 68S	13:08 265
2025 Dec 14 (Sun)	01:47 98	07:46 62S	13:40 259
2025 Dec 15 (Mon)	02:36 104	08:27 57S	14:14 253
2025 Dec 16 (Tue)	03:26 109	09:10 52S	14:50 249
2025 Dec 17 (Wed)	04:18 114	09:55 48S	15:30 245
2025 Dec 18 (Thu)	05:11 117	10:43 45S	16:14 242
2025 Dec 19 (Fri)	06:04 119	11:34 43S	17:02 240
2025 Dec 20 (Sat)	06:58 120	12:26 43S	17:54 240
2025 Dec 21 (Sun)	07:49 119	13:18 44S	18:49 242
2025 Dec 22 (Mon)	08:36 117	14:09 46S	19:45 245
2025 Dec 23 (Tue)	09:20 113	14:58 50S	20:40 249
2025 Dec 24 (Wed)	10:00 108	15:45 55S	21:34 254
2025 Dec 25 (Thu)	10:37 103	16:30 61S	22:28 260
2025 Dec 26 (Fri)	11:12 96	17:15 67S	23:21 267
2025 Dec 27 (Sat)	11:48 89	17:59 74S	
2025 Dec 28 (Sun)	12:24 82	18:46 80S	00:16 274
2025 Dec 29 (Mon)	13:03 76	19:35 87S	01:12 281
2025 Dec 30 (Tue)	13:47 69	20:30 89N	02:13 288
2025 Dec 31 (Wed)	14:38 64	21:30 85N	03:17 293