

Sun

Nong Khai

Location: E102°45'39.5", N17°53'24.0", 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)	05:49	06:40	114	12:13	50S	17:45	246	18:36
2025	Jan	02 (Thu)	05:50	06:40	114	12:13	50S	17:46	246	18:36
2025	Jan	03 (Fri)	05:50	06:41	114	12:13	50S	17:46	246	18:37
2025	Jan	04 (Sat)	05:50	06:41	114	12:14	50S	17:47	246	18:37
2025	Jan	05 (Sun)	05:51	06:41	114	12:14	50S	17:47	247	18:38
2025	Jan	06 (Mon)	05:51	06:42	113	12:15	50S	17:48	247	18:39
2025	Jan	07 (Tue)	05:51	06:42	113	12:15	50S	17:49	247	18:39
2025	Jan	08 (Wed)	05:52	06:42	113	12:16	51S	17:49	247	18:40
2025	Jan	09 (Thu)	05:52	06:42	113	12:16	51S	17:50	247	18:40
2025	Jan	10 (Fri)	05:52	06:42	113	12:16	51S	17:51	247	18:41
2025	Jan	11 (Sat)	05:52	06:43	113	12:17	51S	17:51	247	18:41
2025	Jan	12 (Sun)	05:53	06:43	113	12:17	51S	17:52	248	18:42
2025	Jan	13 (Mon)	05:53	06:43	112	12:18	51S	17:52	248	18:43
2025	Jan	14 (Tue)	05:53	06:43	112	12:18	52S	17:53	248	18:43
2025	Jan	15 (Wed)	05:53	06:43	112	12:18	52S	17:54	248	18:44
2025	Jan	16 (Thu)	05:53	06:43	112	12:19	52S	17:54	248	18:44
2025	Jan	17 (Fri)	05:53	06:43	112	12:19	52S	17:55	249	18:45
2025	Jan	18 (Sat)	05:53	06:43	111	12:19	52S	17:56	249	18:45
2025	Jan	19 (Sun)	05:54	06:43	111	12:20	53S	17:56	249	18:46
2025	Jan	20 (Mon)	05:54	06:43	111	12:20	53S	17:57	249	18:46
2025	Jan	21 (Tue)	05:54	06:43	111	12:20	53S	17:57	249	18:47
2025	Jan	22 (Wed)	05:54	06:43	110	12:21	53S	17:58	250	18:47
2025	Jan	23 (Thu)	05:54	06:43	110	12:21	53S	17:59	250	18:48
2025	Jan	24 (Fri)	05:54	06:43	110	12:21	54S	17:59	250	18:49
2025	Jan	25 (Sat)	05:54	06:43	110	12:21	54S	18:00	250	18:49
2025	Jan	26 (Sun)	05:54	06:43	109	12:21	54S	18:00	251	18:50
2025	Jan	27 (Mon)	05:53	06:43	109	12:22	54S	18:01	251	18:50
2025	Jan	28 (Tue)	05:53	06:42	109	12:22	55S	18:01	251	18:51
2025	Jan	29 (Wed)	05:53	06:42	109	12:22	55S	18:02	252	18:51
2025	Jan	30 (Thu)	05:53	06:42	108	12:22	55S	18:03	252	18:51
2025	Jan	31 (Fri)	05:53	06:42	108	12:22	56S	18:03	252	18:52
2025	Feb	01 (Sat)	05:53	06:42	108	12:23	56S	18:04	252	18:52
2025	Feb	02 (Sun)	05:53	06:41	107	12:23	56S	18:04	253	18:53
2025	Feb	03 (Mon)	05:52	06:41	107	12:23	56S	18:05	253	18:53
2025	Feb	04 (Tue)	05:52	06:41	107	12:23	57S	18:05	253	18:54
2025	Feb	05 (Wed)	05:52	06:40	106	12:23	57S	18:06	254	18:54
2025	Feb	06 (Thu)	05:52	06:40	106	12:23	57S	18:06	254	18:55
2025	Feb	07 (Fri)	05:51	06:40	106	12:23	58S	18:07	254	18:55
2025	Feb	08 (Sat)	05:51	06:39	105	12:23	58S	18:07	255	18:55
2025	Feb	09 (Sun)	05:51	06:39	105	12:23	58S	18:08	255	18:56
2025	Feb	10 (Mon)	05:50	06:38	105	12:23	59S	18:08	255	18:56
2025	Feb	11 (Tue)	05:50	06:38	104	12:23	59S	18:08	256	18:57
2025	Feb	12 (Wed)	05:50	06:38	104	12:23	59S	18:09	256	18:57
2025	Feb	13 (Thu)	05:49	06:37	104	12:23	60S	18:09	256	18:57
2025	Feb	14 (Fri)	05:49	06:37	103	12:23	60S	18:10	257	18:58
2025	Feb	15 (Sat)	05:48	06:36	103	12:23	60S	18:10	257	18:58
2025	Feb	16 (Sun)	05:48	06:36	103	12:23	61S	18:11	257	18:58
2025	Feb	17 (Mon)	05:47	06:35	102	12:23	61S	18:11	258	18:59
2025	Feb	18 (Tue)	05:47	06:35	102	12:23	61S	18:11	258	18:59
2025	Feb	19 (Wed)	05:46	06:34	102	12:23	62S	18:12	259	18:59
2025	Feb	20 (Thu)	05:46	06:33	101	12:23	62S	18:12	259	19:00
2025	Feb	21 (Fri)	05:45	06:33	101	12:23	62S	18:13	259	19:00
2025	Feb	22 (Sat)	05:45	06:32	100	12:22	63S	18:13	260	19:00
2025	Feb	23 (Sun)	05:44	06:32	100	12:22	63S	18:13	260	19:01
2025	Feb	24 (Mon)	05:44	06:31	100	12:22	63S	18:14	261	19:01
2025	Feb	25 (Tue)	05:43	06:30	99	12:22	64S	18:14	261	19:01
2025	Feb	26 (Wed)	05:42	06:30	99	12:22	64S	18:14	261	19:01
2025	Feb	27 (Thu)	05:42	06:29	98	12:22	65S	18:15	262	19:02
2025	Feb	28 (Fri)	05:41	06:28	98	12:21	65S	18:15	262	19:02
2025	Mar	01 (Sat)	05:40	06:28	98	12:21	65S	18:15	262	19:02

2025	Mar	02	(Sun)	05:40	06:27	97	12:21	66S	18:15	263	19:03
2025	Mar	03	(Mon)	05:39	06:26	97	12:21	66S	18:16	263	19:03
2025	Mar	04	(Tue)	05:38	06:26	96	12:21	66S	18:16	264	19:03
2025	Mar	05	(Wed)	05:38	06:25	96	12:20	67S	18:16	264	19:03
2025	Mar	06	(Thu)	05:37	06:24	96	12:20	67S	18:17	265	19:04
2025	Mar	07	(Fri)	05:36	06:23	95	12:20	68S	18:17	265	19:04
2025	Mar	08	(Sat)	05:36	06:23	95	12:20	68S	18:17	265	19:04
2025	Mar	09	(Sun)	05:35	06:22	94	12:19	68S	18:17	266	19:04
2025	Mar	10	(Mon)	05:34	06:21	94	12:19	69S	18:18	266	19:05
2025	Mar	11	(Tue)	05:33	06:20	94	12:19	69S	18:18	267	19:05
2025	Mar	12	(Wed)	05:33	06:20	93	12:19	70S	18:18	267	19:05
2025	Mar	13	(Thu)	05:32	06:19	93	12:18	70S	18:18	267	19:05
2025	Mar	14	(Fri)	05:31	06:18	92	12:18	70S	18:19	268	19:05
2025	Mar	15	(Sat)	05:30	06:17	92	12:18	71S	18:19	268	19:06
2025	Mar	16	(Sun)	05:29	06:16	92	12:18	71S	18:19	269	19:06
2025	Mar	17	(Mon)	05:29	06:16	91	12:17	72S	18:19	269	19:06
2025	Mar	18	(Tue)	05:28	06:15	91	12:17	72S	18:19	269	19:06
2025	Mar	19	(Wed)	05:27	06:14	90	12:17	72S	18:20	270	19:07
2025	Mar	20	(Thu)	05:26	06:13	90	12:16	73S	18:20	270	19:07
2025	Mar	21	(Fri)	05:25	06:12	89	12:16	73S	18:20	271	19:07
2025	Mar	22	(Sat)	05:25	06:12	89	12:16	74S	18:20	271	19:07
2025	Mar	23	(Sun)	05:24	06:11	89	12:16	74S	18:21	272	19:08
2025	Mar	24	(Mon)	05:23	06:10	88	12:15	74S	18:21	272	19:08
2025	Mar	25	(Tue)	05:22	06:09	88	12:15	75S	18:21	272	19:08
2025	Mar	26	(Wed)	05:21	06:08	87	12:15	75S	18:21	273	19:08
2025	Mar	27	(Thu)	05:20	06:08	87	12:14	76S	18:21	273	19:08
2025	Mar	28	(Fri)	05:20	06:07	87	12:14	76S	18:22	274	19:09
2025	Mar	29	(Sat)	05:19	06:06	86	12:14	76S	18:22	274	19:09
2025	Mar	30	(Sun)	05:18	06:05	86	12:13	77S	18:22	274	19:09
2025	Mar	31	(Mon)	05:17	06:04	85	12:13	77S	18:22	275	19:09
2025	Apr	01	(Tue)	05:16	06:04	85	12:13	77S	18:22	275	19:10
2025	Apr	02	(Wed)	05:15	06:03	85	12:13	78S	18:23	276	19:10
2025	Apr	03	(Thu)	05:15	06:02	84	12:12	78S	18:23	276	19:10
2025	Apr	04	(Fri)	05:14	06:01	84	12:12	79S	18:23	276	19:10
2025	Apr	05	(Sat)	05:13	06:00	83	12:12	79S	18:23	277	19:11
2025	Apr	06	(Sun)	05:12	06:00	83	12:11	79S	18:23	277	19:11
2025	Apr	07	(Mon)	05:11	05:59	83	12:11	80S	18:24	278	19:11
2025	Apr	08	(Tue)	05:10	05:58	82	12:11	80S	18:24	278	19:12
2025	Apr	09	(Wed)	05:10	05:57	82	12:11	80S	18:24	278	19:12
2025	Apr	10	(Thu)	05:09	05:56	81	12:10	81S	18:24	279	19:12
2025	Apr	11	(Fri)	05:08	05:56	81	12:10	81S	18:25	279	19:12
2025	Apr	12	(Sat)	05:07	05:55	81	12:10	82S	18:25	280	19:13
2025	Apr	13	(Sun)	05:06	05:54	80	12:09	82S	18:25	280	19:13
2025	Apr	14	(Mon)	05:05	05:53	80	12:09	82S	18:25	280	19:13
2025	Apr	15	(Tue)	05:05	05:53	79	12:09	83S	18:25	281	19:14
2025	Apr	16	(Wed)	05:04	05:52	79	12:09	83S	18:26	281	19:14
2025	Apr	17	(Thu)	05:03	05:51	79	12:09	83S	18:26	281	19:14
2025	Apr	18	(Fri)	05:02	05:51	78	12:08	84S	18:26	282	19:15
2025	Apr	19	(Sat)	05:02	05:50	78	12:08	84S	18:26	282	19:15
2025	Apr	20	(Sun)	05:01	05:49	78	12:08	84S	18:27	283	19:15
2025	Apr	21	(Mon)	05:00	05:49	77	12:08	85S	18:27	283	19:16
2025	Apr	22	(Tue)	04:59	05:48	77	12:07	85S	18:27	283	19:16
2025	Apr	23	(Wed)	04:59	05:47	77	12:07	85S	18:27	284	19:16
2025	Apr	24	(Thu)	04:58	05:47	76	12:07	86S	18:28	284	19:17
2025	Apr	25	(Fri)	04:57	05:46	76	12:07	86S	18:28	284	19:17
2025	Apr	26	(Sat)	04:56	05:45	76	12:07	86S	18:28	285	19:17
2025	Apr	27	(Sun)	04:56	05:45	75	12:07	87S	18:29	285	19:18
2025	Apr	28	(Mon)	04:55	05:44	75	12:06	87S	18:29	285	19:18
2025	Apr	29	(Tue)	04:54	05:44	75	12:06	87S	18:29	286	19:19
2025	Apr	30	(Wed)	04:54	05:43	74	12:06	88S	18:30	286	19:19
2025	May	01	(Thu)	04:53	05:43	74	12:06	88S	18:30	286	19:19
2025	May	02	(Fri)	04:52	05:42	74	12:06	88S	18:30	287	19:20
2025	May	03	(Sat)	04:52	05:41	73	12:06	89S	18:30	287	19:20
2025	May	04	(Sun)	04:51	05:41	73	12:06	89S	18:31	287	19:21
2025	May	05	(Mon)	04:51	05:40	73	12:06	89S	18:31	288	19:21
2025	May	06	(Tue)	04:50	05:40	72	12:06	89S	18:31	288	19:21
2025	May	07	(Wed)	04:50	05:39	72	12:06	90S	18:32	288	19:22
2025	May	08	(Thu)	04:49	05:39	72	12:05	90S	18:32	288	19:22
2025	May	09	(Fri)	04:48	05:39	71	12:05	90S	18:32	289	19:23
2025	May	10	(Sat)	04:48	05:38	71	12:05	91S	18:33	289	19:23
2025	May	11	(Sun)	04:47	05:38	71	12:05	91N	18:33	289	19:24
2025	May	12	(Mon)	04:47	05:37	71	12:05	90N	18:33	290	19:24

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

2025	Jul	24	(Thu)	04:54	05:45	69	12:16	89N	18:46	291	19:37
2025	Jul	25	(Fri)	04:54	05:45	69	12:16	89N	18:46	291	19:37
2025	Jul	26	(Sat)	04:55	05:46	69	12:16	89N	18:45	291	19:36
2025	Jul	27	(Sun)	04:55	05:46	69	12:16	89N	18:45	290	19:36
2025	Jul	28	(Mon)	04:56	05:46	70	12:16	90N	18:45	290	19:35
2025	Jul	29	(Tue)	04:56	05:47	70	12:15	90N	18:44	290	19:35
2025	Jul	30	(Wed)	04:56	05:47	70	12:15	90N	18:44	290	19:34
2025	Jul	31	(Thu)	04:57	05:47	70	12:15	90N	18:43	289	19:34
2025	Aug	01	(Fri)	04:57	05:48	71	12:15	91N	18:43	289	19:33
2025	Aug	02	(Sat)	04:58	05:48	71	12:15	91S	18:42	289	19:33
2025	Aug	03	(Sun)	04:58	05:48	71	12:15	90S	18:42	289	19:32
2025	Aug	04	(Mon)	04:58	05:48	72	12:15	90S	18:42	288	19:32
2025	Aug	05	(Tue)	04:59	05:49	72	12:15	90S	18:41	288	19:31
2025	Aug	06	(Wed)	04:59	05:49	72	12:15	89S	18:41	288	19:30
2025	Aug	07	(Thu)	04:59	05:49	72	12:15	89S	18:40	287	19:30
2025	Aug	08	(Fri)	05:00	05:50	73	12:15	89S	18:39	287	19:29
2025	Aug	09	(Sat)	05:00	05:50	73	12:15	89S	18:39	287	19:29
2025	Aug	10	(Sun)	05:01	05:50	73	12:14	88S	18:38	286	19:28
2025	Aug	11	(Mon)	05:01	05:50	74	12:14	88S	18:38	286	19:27
2025	Aug	12	(Tue)	05:01	05:51	74	12:14	88S	18:37	286	19:26
2025	Aug	13	(Wed)	05:02	05:51	74	12:14	87S	18:37	286	19:26
2025	Aug	14	(Thu)	05:02	05:51	75	12:14	87S	18:36	285	19:25
2025	Aug	15	(Fri)	05:02	05:51	75	12:13	87S	18:35	285	19:24
2025	Aug	16	(Sat)	05:03	05:52	75	12:13	86S	18:35	285	19:24
2025	Aug	17	(Sun)	05:03	05:52	76	12:13	86S	18:34	284	19:23
2025	Aug	18	(Mon)	05:03	05:52	76	12:13	86S	18:33	284	19:22
2025	Aug	19	(Tue)	05:04	05:52	76	12:13	86S	18:33	284	19:21
2025	Aug	20	(Wed)	05:04	05:53	77	12:12	85S	18:32	283	19:21
2025	Aug	21	(Thu)	05:04	05:53	77	12:12	85S	18:31	283	19:20
2025	Aug	22	(Fri)	05:04	05:53	77	12:12	85S	18:31	282	19:19
2025	Aug	23	(Sat)	05:05	05:53	78	12:12	84S	18:30	282	19:18
2025	Aug	24	(Sun)	05:05	05:53	78	12:11	84S	18:29	282	19:17
2025	Aug	25	(Mon)	05:05	05:54	78	12:11	83S	18:28	281	19:17
2025	Aug	26	(Tue)	05:05	05:54	79	12:11	83S	18:28	281	19:16
2025	Aug	27	(Wed)	05:06	05:54	79	12:11	83S	18:27	281	19:15
2025	Aug	28	(Thu)	05:06	05:54	80	12:10	82S	18:26	280	19:14
2025	Aug	29	(Fri)	05:06	05:54	80	12:10	82S	18:25	280	19:13
2025	Aug	30	(Sat)	05:06	05:54	80	12:10	82S	18:25	280	19:12
2025	Aug	31	(Sun)	05:07	05:55	81	12:09	81S	18:24	279	19:12
2025	Sep	01	(Mon)	05:07	05:55	81	12:09	81S	18:23	279	19:11
2025	Sep	02	(Tue)	05:07	05:55	81	12:09	81S	18:22	278	19:10
2025	Sep	03	(Wed)	05:07	05:55	82	12:08	80S	18:21	278	19:09
2025	Sep	04	(Thu)	05:08	05:55	82	12:08	80S	18:21	278	19:08
2025	Sep	05	(Fri)	05:08	05:55	83	12:08	80S	18:20	277	19:07
2025	Sep	06	(Sat)	05:08	05:56	83	12:07	79S	18:19	277	19:06
2025	Sep	07	(Sun)	05:08	05:56	83	12:07	79S	18:18	276	19:05
2025	Sep	08	(Mon)	05:08	05:56	84	12:07	78S	18:17	276	19:05
2025	Sep	09	(Tue)	05:09	05:56	84	12:06	78S	18:16	276	19:04
2025	Sep	10	(Wed)	05:09	05:56	85	12:06	78S	18:16	275	19:03
2025	Sep	11	(Thu)	05:09	05:56	85	12:06	77S	18:15	275	19:02
2025	Sep	12	(Fri)	05:09	05:56	85	12:05	77S	18:14	274	19:01
2025	Sep	13	(Sat)	05:09	05:57	86	12:05	77S	18:13	274	19:00
2025	Sep	14	(Sun)	05:10	05:57	86	12:05	76S	18:12	274	18:59
2025	Sep	15	(Mon)	05:10	05:57	87	12:04	76S	18:11	273	18:58
2025	Sep	16	(Tue)	05:10	05:57	87	12:04	75S	18:10	273	18:57
2025	Sep	17	(Wed)	05:10	05:57	87	12:03	75S	18:10	272	18:57
2025	Sep	18	(Thu)	05:10	05:57	88	12:03	75S	18:09	272	18:56
2025	Sep	19	(Fri)	05:10	05:57	88	12:03	74S	18:08	272	18:55
2025	Sep	20	(Sat)	05:11	05:58	89	12:02	74S	18:07	271	18:54
2025	Sep	21	(Sun)	05:11	05:58	89	12:02	73S	18:06	271	18:53
2025	Sep	22	(Mon)	05:11	05:58	89	12:02	73S	18:05	270	18:52
2025	Sep	23	(Tue)	05:11	05:58	90	12:01	73S	18:04	270	18:51
2025	Sep	24	(Wed)	05:11	05:58	90	12:01	72S	18:04	270	18:50
2025	Sep	25	(Thu)	05:11	05:58	91	12:01	72S	18:03	269	18:50
2025	Sep	26	(Fri)	05:12	05:59	91	12:00	71S	18:02	269	18:49
2025	Sep	27	(Sat)	05:12	05:59	91	12:00	71S	18:01	268	18:48
2025	Sep	28	(Sun)	05:12	05:59	92	12:00	71S	18:00	268	18:47
2025	Sep	29	(Mon)	05:12	05:59	92	11:59	70S	17:59	268	18:46
2025	Sep	30	(Tue)	05:12	05:59	93	11:59	70S	17:59	267	18:45
2025	Oct	01	(Wed)	05:12	05:59	93	11:59	70S	17:58	267	18:45
2025	Oct	02	(Thu)	05:13	06:00	93	11:58	69S	17:57	266	18:44
2025	Oct	03	(Fri)	05:13	06:00	94	11:58	69S	17:56	266	18:43

2025	Oct	04	(Sat)	05:13	06:00	94	11:58	68S	17:55	265	18:42
2025	Oct	05	(Sun)	05:13	06:00	95	11:57	68S	17:54	265	18:41
2025	Oct	06	(Mon)	05:13	06:00	95	11:57	68S	17:54	265	18:41
2025	Oct	07	(Tue)	05:13	06:00	96	11:57	67S	17:53	264	18:40
2025	Oct	08	(Wed)	05:14	06:01	96	11:57	67S	17:52	264	18:39
2025	Oct	09	(Thu)	05:14	06:01	96	11:56	66S	17:51	263	18:38
2025	Oct	10	(Fri)	05:14	06:01	97	11:56	66S	17:51	263	18:38
2025	Oct	11	(Sat)	05:14	06:01	97	11:56	66S	17:50	263	18:37
2025	Oct	12	(Sun)	05:14	06:02	98	11:55	65S	17:49	262	18:36
2025	Oct	13	(Mon)	05:15	06:02	98	11:55	65S	17:48	262	18:36
2025	Oct	14	(Tue)	05:15	06:02	98	11:55	65S	17:48	262	18:35
2025	Oct	15	(Wed)	05:15	06:02	99	11:55	64S	17:47	261	18:34
2025	Oct	16	(Thu)	05:15	06:03	99	11:55	64S	17:46	261	18:34
2025	Oct	17	(Fri)	05:16	06:03	99	11:54	63S	17:46	260	18:33
2025	Oct	18	(Sat)	05:16	06:03	100	11:54	63S	17:45	260	18:32
2025	Oct	19	(Sun)	05:16	06:03	100	11:54	63S	17:44	260	18:32
2025	Oct	20	(Mon)	05:16	06:04	101	11:54	62S	17:44	259	18:31
2025	Oct	21	(Tue)	05:16	06:04	101	11:54	62S	17:43	259	18:30
2025	Oct	22	(Wed)	05:17	06:04	101	11:53	62S	17:42	258	18:30
2025	Oct	23	(Thu)	05:17	06:05	102	11:53	61S	17:42	258	18:29
2025	Oct	24	(Fri)	05:17	06:05	102	11:53	61S	17:41	258	18:29
2025	Oct	25	(Sat)	05:18	06:05	102	11:53	61S	17:41	257	18:28
2025	Oct	26	(Sun)	05:18	06:06	103	11:53	60S	17:40	257	18:28
2025	Oct	27	(Mon)	05:18	06:06	103	11:53	60S	17:39	257	18:27
2025	Oct	28	(Tue)	05:18	06:06	104	11:53	60S	17:39	256	18:27
2025	Oct	29	(Wed)	05:19	06:07	104	11:53	59S	17:38	256	18:26
2025	Oct	30	(Thu)	05:19	06:07	104	11:53	59S	17:38	256	18:26
2025	Oct	31	(Fri)	05:19	06:08	105	11:53	59S	17:37	255	18:26
2025	Nov	01	(Sat)	05:20	06:08	105	11:53	58S	17:37	255	18:25
2025	Nov	02	(Sun)	05:20	06:08	105	11:53	58S	17:36	255	18:25
2025	Nov	03	(Mon)	05:20	06:09	106	11:53	58S	17:36	254	18:24
2025	Nov	04	(Tue)	05:21	06:09	106	11:53	57S	17:36	254	18:24
2025	Nov	05	(Wed)	05:21	06:10	106	11:53	57S	17:35	254	18:24
2025	Nov	06	(Thu)	05:22	06:10	107	11:53	57S	17:35	253	18:23
2025	Nov	07	(Fri)	05:22	06:11	107	11:53	56S	17:34	253	18:23
2025	Nov	08	(Sat)	05:22	06:11	107	11:53	56S	17:34	253	18:23
2025	Nov	09	(Sun)	05:23	06:12	107	11:53	56S	17:34	252	18:23
2025	Nov	10	(Mon)	05:23	06:12	108	11:53	56S	17:34	252	18:22
2025	Nov	11	(Tue)	05:24	06:13	108	11:53	55S	17:33	252	18:22
2025	Nov	12	(Wed)	05:24	06:13	108	11:53	55S	17:33	252	18:22
2025	Nov	13	(Thu)	05:24	06:14	109	11:53	55S	17:33	251	18:22
2025	Nov	14	(Fri)	05:25	06:14	109	11:53	55S	17:33	251	18:22
2025	Nov	15	(Sat)	05:25	06:15	109	11:54	54S	17:32	251	18:22
2025	Nov	16	(Sun)	05:26	06:15	109	11:54	54S	17:32	250	18:21
2025	Nov	17	(Mon)	05:26	06:16	110	11:54	54S	17:32	250	18:21
2025	Nov	18	(Tue)	05:27	06:16	110	11:54	54S	17:32	250	18:21
2025	Nov	19	(Wed)	05:27	06:17	110	11:54	53S	17:32	250	18:21
2025	Nov	20	(Thu)	05:28	06:17	110	11:55	53S	17:32	249	18:21
2025	Nov	21	(Fri)	05:28	06:18	111	11:55	53S	17:32	249	18:21
2025	Nov	22	(Sat)	05:29	06:18	111	11:55	53S	17:32	249	18:21
2025	Nov	23	(Sun)	05:29	06:19	111	11:55	52S	17:32	249	18:21
2025	Nov	24	(Mon)	05:30	06:20	111	11:56	52S	17:32	249	18:21
2025	Nov	25	(Tue)	05:30	06:20	112	11:56	52S	17:32	248	18:21
2025	Nov	26	(Wed)	05:31	06:21	112	11:56	52S	17:32	248	18:22
2025	Nov	27	(Thu)	05:31	06:21	112	11:57	52S	17:32	248	18:22
2025	Nov	28	(Fri)	05:32	06:22	112	11:57	51S	17:32	248	18:22
2025	Nov	29	(Sat)	05:32	06:23	112	11:57	51S	17:32	248	18:22
2025	Nov	30	(Sun)	05:33	06:23	113	11:58	51S	17:32	247	18:22
2025	Dec	01	(Mon)	05:33	06:24	113	11:58	51S	17:32	247	18:22
2025	Dec	02	(Tue)	05:34	06:24	113	11:58	51S	17:32	247	18:23
2025	Dec	03	(Wed)	05:35	06:25	113	11:59	51S	17:32	247	18:23
2025	Dec	04	(Thu)	05:35	06:26	113	11:59	51S	17:33	247	18:23
2025	Dec	05	(Fri)	05:36	06:26	113	12:00	50S	17:33	247	18:23
2025	Dec	06	(Sat)	05:36	06:27	113	12:00	50S	17:33	247	18:24
2025	Dec	07	(Sun)	05:37	06:27	114	12:00	50S	17:33	246	18:24
2025	Dec	08	(Mon)	05:37	06:28	114	12:01	50S	17:34	246	18:24
2025	Dec	09	(Tue)	05:38	06:29	114	12:01	50S	17:34	246	18:25
2025	Dec	10	(Wed)	05:38	06:29	114	12:02	50S	17:34	246	18:25
2025	Dec	11	(Thu)	05:39	06:30	114	12:02	50S	17:35	246	18:25
2025	Dec	12	(Fri)	05:40	06:30	114	12:03	50S	17:35	246	18:26
2025	Dec	13	(Sat)	05:40	06:31	114	12:03	50S	17:35	246	18:26
2025	Dec	14	(Sun)	05:41	06:31	114	12:04	50S	17:36	246	18:26

2025	Dec	15	(Mon)	05:41	06:32	114	12:04	50S	17:36	246	18:27
2025	Dec	16	(Tue)	05:42	06:33	114	12:05	49S	17:36	246	18:27
2025	Dec	17	(Wed)	05:42	06:33	114	12:05	49S	17:37	246	18:28
2025	Dec	18	(Thu)	05:43	06:34	114	12:06	49S	17:37	246	18:28
2025	Dec	19	(Fri)	05:43	06:34	114	12:06	49S	17:38	246	18:29
2025	Dec	20	(Sat)	05:44	06:35	114	12:07	49S	17:38	246	18:29
2025	Dec	21	(Sun)	05:44	06:35	114	12:07	49S	17:39	246	18:30
2025	Dec	22	(Mon)	05:45	06:36	114	12:08	49S	17:39	246	18:30
2025	Dec	23	(Tue)	05:45	06:36	114	12:08	49S	17:40	246	18:31
2025	Dec	24	(Wed)	05:46	06:37	114	12:09	49S	17:40	246	18:31
2025	Dec	25	(Thu)	05:46	06:37	114	12:09	49S	17:41	246	18:32
2025	Dec	26	(Fri)	05:47	06:38	114	12:09	49S	17:41	246	18:32
2025	Dec	27	(Sat)	05:47	06:38	114	12:10	50S	17:42	246	18:33
2025	Dec	28	(Sun)	05:48	06:38	114	12:10	50S	17:43	246	18:33
2025	Dec	29	(Mon)	05:48	06:39	114	12:11	50S	17:43	246	18:34
2025	Dec	30	(Tue)	05:48	06:39	114	12:11	50S	17:44	246	18:34
2025	Dec	31	(Wed)	05:49	06:40	114	12:12	50S	17:44	246	18:35

Sun

Nong Khai

Location: E102°45'39.5", N17°53'24.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin	Rise	Az.	Transit	Alt.	Set	Az.	End
				Civil Twilight							Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2025	Jan	01	(Wed)	06:16	06:40	114	12:13	50S	17:45	246	18:09
2025	Jan	02	(Thu)	06:17	06:40	114	12:13	50S	17:46	246	18:09
2025	Jan	03	(Fri)	06:17	06:41	114	12:13	50S	17:46	246	18:10
2025	Jan	04	(Sat)	06:17	06:41	114	12:14	50S	17:47	246	18:10
2025	Jan	05	(Sun)	06:18	06:41	114	12:14	50S	17:47	247	18:11
2025	Jan	06	(Mon)	06:18	06:42	113	12:15	50S	17:48	247	18:12
2025	Jan	07	(Tue)	06:18	06:42	113	12:15	50S	17:49	247	18:12
2025	Jan	08	(Wed)	06:19	06:42	113	12:16	51S	17:49	247	18:13
2025	Jan	09	(Thu)	06:19	06:42	113	12:16	51S	17:50	247	18:13
2025	Jan	10	(Fri)	06:19	06:42	113	12:16	51S	17:51	247	18:14
2025	Jan	11	(Sat)	06:19	06:43	113	12:17	51S	17:51	247	18:15
2025	Jan	12	(Sun)	06:19	06:43	113	12:17	51S	17:52	248	18:15
2025	Jan	13	(Mon)	06:20	06:43	112	12:18	51S	17:52	248	18:16
2025	Jan	14	(Tue)	06:20	06:43	112	12:18	52S	17:53	248	18:16
2025	Jan	15	(Wed)	06:20	06:43	112	12:18	52S	17:54	248	18:17
2025	Jan	16	(Thu)	06:20	06:43	112	12:19	52S	17:54	248	18:18
2025	Jan	17	(Fri)	06:20	06:43	112	12:19	52S	17:55	249	18:18
2025	Jan	18	(Sat)	06:20	06:43	111	12:19	52S	17:56	249	18:19
2025	Jan	19	(Sun)	06:20	06:43	111	12:20	53S	17:56	249	18:19
2025	Jan	20	(Mon)	06:20	06:43	111	12:20	53S	17:57	249	18:20
2025	Jan	21	(Tue)	06:20	06:43	111	12:20	53S	17:57	249	18:20
2025	Jan	22	(Wed)	06:20	06:43	110	12:21	53S	17:58	250	18:21
2025	Jan	23	(Thu)	06:20	06:43	110	12:21	53S	17:59	250	18:22
2025	Jan	24	(Fri)	06:20	06:43	110	12:21	54S	17:59	250	18:22
2025	Jan	25	(Sat)	06:20	06:43	110	12:21	54S	18:00	250	18:23
2025	Jan	26	(Sun)	06:20	06:43	109	12:21	54S	18:00	251	18:23
2025	Jan	27	(Mon)	06:20	06:43	109	12:22	54S	18:01	251	18:24
2025	Jan	28	(Tue)	06:20	06:42	109	12:22	55S	18:01	251	18:24
2025	Jan	29	(Wed)	06:19	06:42	109	12:22	55S	18:02	252	18:25
2025	Jan	30	(Thu)	06:19	06:42	108	12:22	55S	18:03	252	18:25
2025	Jan	31	(Fri)	06:19	06:42	108	12:22	56S	18:03	252	18:26
2025	Feb	01	(Sat)	06:19	06:42	108	12:23	56S	18:04	252	18:26
2025	Feb	02	(Sun)	06:19	06:41	107	12:23	56S	18:04	253	18:27
2025	Feb	03	(Mon)	06:18	06:41	107	12:23	56S	18:05	253	18:27
2025	Feb	04	(Tue)	06:18	06:41	107	12:23	57S	18:05	253	18:28
2025	Feb	05	(Wed)	06:18	06:40	106	12:23	57S	18:06	254	18:28
2025	Feb	06	(Thu)	06:18	06:40	106	12:23	57S	18:06	254	18:29
2025	Feb	07	(Fri)	06:17	06:40	106	12:23	58S	18:07	254	18:29
2025	Feb	08	(Sat)	06:17	06:39	105	12:23	58S	18:07	255	18:30
2025	Feb	09	(Sun)	06:16	06:39	105	12:23	58S	18:08	255	18:30
2025	Feb	10	(Mon)	06:16	06:38	105	12:23	59S	18:08	255	18:30
2025	Feb	11	(Tue)	06:16	06:38	104	12:23	59S	18:08	256	18:31

2025	Feb	12	(Wed)	06:15	06:38	104	12:23	59S	18:09	256	18:31
2025	Feb	13	(Thu)	06:15	06:37	104	12:23	60S	18:09	256	18:32
2025	Feb	14	(Fri)	06:14	06:37	103	12:23	60S	18:10	257	18:32
2025	Feb	15	(Sat)	06:14	06:36	103	12:23	60S	18:10	257	18:32
2025	Feb	16	(Sun)	06:13	06:36	103	12:23	61S	18:11	257	18:33
2025	Feb	17	(Mon)	06:13	06:35	102	12:23	61S	18:11	258	18:33
2025	Feb	18	(Tue)	06:12	06:35	102	12:23	61S	18:11	258	18:34
2025	Feb	19	(Wed)	06:12	06:34	102	12:23	62S	18:12	259	18:34
2025	Feb	20	(Thu)	06:11	06:33	101	12:23	62S	18:12	259	18:34
2025	Feb	21	(Fri)	06:11	06:33	101	12:23	62S	18:13	259	18:35
2025	Feb	22	(Sat)	06:10	06:32	100	12:22	63S	18:13	260	18:35
2025	Feb	23	(Sun)	06:10	06:32	100	12:22	63S	18:13	260	18:35
2025	Feb	24	(Mon)	06:09	06:31	100	12:22	63S	18:14	261	18:36
2025	Feb	25	(Tue)	06:08	06:30	99	12:22	64S	18:14	261	18:36
2025	Feb	26	(Wed)	06:08	06:30	99	12:22	64S	18:14	261	18:36
2025	Feb	27	(Thu)	06:07	06:29	98	12:22	65S	18:15	262	18:36
2025	Feb	28	(Fri)	06:06	06:28	98	12:21	65S	18:15	262	18:37
2025	Mar	01	(Sat)	06:06	06:28	98	12:21	65S	18:15	262	18:37
2025	Mar	02	(Sun)	06:05	06:27	97	12:21	66S	18:15	263	18:37
2025	Mar	03	(Mon)	06:04	06:26	97	12:21	66S	18:16	263	18:38
2025	Mar	04	(Tue)	06:04	06:26	96	12:21	66S	18:16	264	18:38
2025	Mar	05	(Wed)	06:03	06:25	96	12:20	67S	18:16	264	18:38
2025	Mar	06	(Thu)	06:02	06:24	96	12:20	67S	18:17	265	18:38
2025	Mar	07	(Fri)	06:02	06:23	95	12:20	68S	18:17	265	18:39
2025	Mar	08	(Sat)	06:01	06:23	95	12:20	68S	18:17	265	18:39
2025	Mar	09	(Sun)	06:00	06:22	94	12:19	68S	18:17	266	18:39
2025	Mar	10	(Mon)	05:59	06:21	94	12:19	69S	18:18	266	18:39
2025	Mar	11	(Tue)	05:59	06:20	94	12:19	69S	18:18	267	18:40
2025	Mar	12	(Wed)	05:58	06:20	93	12:19	70S	18:18	267	18:40
2025	Mar	13	(Thu)	05:57	06:19	93	12:18	70S	18:18	267	18:40
2025	Mar	14	(Fri)	05:56	06:18	92	12:18	70S	18:19	268	18:40
2025	Mar	15	(Sat)	05:55	06:17	92	12:18	71S	18:19	268	18:41
2025	Mar	16	(Sun)	05:55	06:16	92	12:18	71S	18:19	269	18:41
2025	Mar	17	(Mon)	05:54	06:16	91	12:17	72S	18:19	269	18:41
2025	Mar	18	(Tue)	05:53	06:15	91	12:17	72S	18:19	269	18:41
2025	Mar	19	(Wed)	05:52	06:14	90	12:17	72S	18:20	270	18:41
2025	Mar	20	(Thu)	05:51	06:13	90	12:16	73S	18:20	270	18:42
2025	Mar	21	(Fri)	05:51	06:12	89	12:16	73S	18:20	271	18:42
2025	Mar	22	(Sat)	05:50	06:12	89	12:16	74S	18:20	271	18:42
2025	Mar	23	(Sun)	05:49	06:11	89	12:16	74S	18:21	272	18:42
2025	Mar	24	(Mon)	05:48	06:10	88	12:15	74S	18:21	272	18:42
2025	Mar	25	(Tue)	05:47	06:09	88	12:15	75S	18:21	272	18:43
2025	Mar	26	(Wed)	05:47	06:08	87	12:15	75S	18:21	273	18:43
2025	Mar	27	(Thu)	05:46	06:08	87	12:14	76S	18:21	273	18:43
2025	Mar	28	(Fri)	05:45	06:07	87	12:14	76S	18:22	274	18:43
2025	Mar	29	(Sat)	05:44	06:06	86	12:14	76S	18:22	274	18:44
2025	Mar	30	(Sun)	05:43	06:05	86	12:13	77S	18:22	274	18:44
2025	Mar	31	(Mon)	05:43	06:04	85	12:13	77S	18:22	275	18:44
2025	Apr	01	(Tue)	05:42	06:04	85	12:13	77S	18:22	275	18:44
2025	Apr	02	(Wed)	05:41	06:03	85	12:13	78S	18:23	276	18:44
2025	Apr	03	(Thu)	05:40	06:02	84	12:12	78S	18:23	276	18:45
2025	Apr	04	(Fri)	05:39	06:01	84	12:12	79S	18:23	276	18:45
2025	Apr	05	(Sat)	05:38	06:00	83	12:12	79S	18:23	277	18:45
2025	Apr	06	(Sun)	05:38	06:00	83	12:11	79S	18:23	277	18:45
2025	Apr	07	(Mon)	05:37	05:59	83	12:11	80S	18:24	278	18:46
2025	Apr	08	(Tue)	05:36	05:58	82	12:11	80S	18:24	278	18:46
2025	Apr	09	(Wed)	05:35	05:57	82	12:11	80S	18:24	278	18:46
2025	Apr	10	(Thu)	05:34	05:56	81	12:10	81S	18:24	279	18:46
2025	Apr	11	(Fri)	05:34	05:56	81	12:10	81S	18:25	279	18:47
2025	Apr	12	(Sat)	05:33	05:55	81	12:10	82S	18:25	280	18:47
2025	Apr	13	(Sun)	05:32	05:54	80	12:09	82S	18:25	280	18:47
2025	Apr	14	(Mon)	05:31	05:53	80	12:09	82S	18:25	280	18:47
2025	Apr	15	(Tue)	05:31	05:53	79	12:09	83S	18:25	281	18:48
2025	Apr	16	(Wed)	05:30	05:52	79	12:09	83S	18:26	281	18:48
2025	Apr	17	(Thu)	05:29	05:51	79	12:09	83S	18:26	281	18:48
2025	Apr	18	(Fri)	05:28	05:51	78	12:08	84S	18:26	282	18:48
2025	Apr	19	(Sat)	05:28	05:50	78	12:08	84S	18:26	282	18:49
2025	Apr	20	(Sun)	05:27	05:49	78	12:08	84S	18:27	283	18:49
2025	Apr	21	(Mon)	05:26	05:49	77	12:08	85S	18:27	283	18:49
2025	Apr	22	(Tue)	05:26	05:48	77	12:07	85S	18:27	283	18:50
2025	Apr	23	(Wed)	05:25	05:47	77	12:07	85S	18:27	284	18:50
2025	Apr	24	(Thu)	05:24	05:47	76	12:07	86S	18:28	284	18:50

2025	Apr	25	(Fri)	05:24	05:46	76	12:07	86S	18:28	284	18:51
2025	Apr	26	(Sat)	05:23	05:45	76	12:07	86S	18:28	285	18:51
2025	Apr	27	(Sun)	05:22	05:45	75	12:07	87S	18:29	285	18:51
2025	Apr	28	(Mon)	05:22	05:44	75	12:06	87S	18:29	285	18:52
2025	Apr	29	(Tue)	05:21	05:44	75	12:06	87S	18:29	286	18:52
2025	Apr	30	(Wed)	05:20	05:43	74	12:06	88S	18:30	286	18:52
2025	May	01	(Thu)	05:20	05:43	74	12:06	88S	18:30	286	18:53
2025	May	02	(Fri)	05:19	05:42	74	12:06	88S	18:30	287	18:53
2025	May	03	(Sat)	05:19	05:41	73	12:06	89S	18:30	287	18:53
2025	May	04	(Sun)	05:18	05:41	73	12:06	89S	18:31	287	18:54
2025	May	05	(Mon)	05:18	05:40	73	12:06	89S	18:31	288	18:54
2025	May	06	(Tue)	05:17	05:40	72	12:06	89S	18:31	288	18:54
2025	May	07	(Wed)	05:17	05:39	72	12:06	90S	18:32	288	18:55
2025	May	08	(Thu)	05:16	05:39	72	12:05	90S	18:32	288	18:55
2025	May	09	(Fri)	05:16	05:39	71	12:05	90S	18:32	289	18:55
2025	May	10	(Sat)	05:15	05:38	71	12:05	91S	18:33	289	18:56
2025	May	11	(Sun)	05:15	05:38	71	12:05	91N	18:33	289	18:56
2025	May	12	(Mon)	05:14	05:37	71	12:05	90N	18:33	290	18:57
2025	May	13	(Tue)	05:14	05:37	70	12:05	90N	18:34	290	18:57
2025	May	14	(Wed)	05:13	05:37	70	12:05	90N	18:34	290	18:57
2025	May	15	(Thu)	05:13	05:36	70	12:05	90N	18:35	290	18:58
2025	May	16	(Fri)	05:13	05:36	70	12:05	89N	18:35	291	18:58
2025	May	17	(Sat)	05:12	05:36	69	12:05	89N	18:35	291	18:59
2025	May	18	(Sun)	05:12	05:35	69	12:05	89N	18:36	291	18:59
2025	May	19	(Mon)	05:12	05:35	69	12:05	89N	18:36	291	18:59
2025	May	20	(Tue)	05:11	05:35	69	12:05	89N	18:36	291	19:00
2025	May	21	(Wed)	05:11	05:35	68	12:06	88N	18:37	292	19:00
2025	May	22	(Thu)	05:11	05:34	68	12:06	88N	18:37	292	19:01
2025	May	23	(Fri)	05:10	05:34	68	12:06	88N	18:37	292	19:01
2025	May	24	(Sat)	05:10	05:34	68	12:06	88N	18:38	292	19:01
2025	May	25	(Sun)	05:10	05:34	68	12:06	88N	18:38	292	19:02
2025	May	26	(Mon)	05:10	05:34	67	12:06	87N	18:39	293	19:02
2025	May	27	(Tue)	05:10	05:33	67	12:06	87N	18:39	293	19:03
2025	May	28	(Wed)	05:10	05:33	67	12:06	87N	18:39	293	19:03
2025	May	29	(Thu)	05:09	05:33	67	12:06	87N	18:40	293	19:04
2025	May	30	(Fri)	05:09	05:33	67	12:07	87N	18:40	293	19:04
2025	May	31	(Sat)	05:09	05:33	67	12:07	87N	18:40	293	19:04
2025	Jun	01	(Sun)	05:09	05:33	66	12:07	87N	18:41	294	19:05
2025	Jun	02	(Mon)	05:09	05:33	66	12:07	86N	18:41	294	19:05
2025	Jun	03	(Tue)	05:09	05:33	66	12:07	86N	18:42	294	19:05
2025	Jun	04	(Wed)	05:09	05:33	66	12:07	86N	18:42	294	19:06
2025	Jun	05	(Thu)	05:09	05:33	66	12:07	86N	18:42	294	19:06
2025	Jun	06	(Fri)	05:09	05:33	66	12:08	86N	18:43	294	19:07
2025	Jun	07	(Sat)	05:09	05:33	66	12:08	86N	18:43	294	19:07
2025	Jun	08	(Sun)	05:09	05:33	66	12:08	86N	18:43	294	19:07
2025	Jun	09	(Mon)	05:09	05:33	66	12:08	86N	18:44	295	19:08
2025	Jun	10	(Tue)	05:09	05:33	65	12:08	86N	18:44	295	19:08
2025	Jun	11	(Wed)	05:09	05:33	65	12:09	85N	18:44	295	19:08
2025	Jun	12	(Thu)	05:09	05:33	65	12:09	85N	18:44	295	19:09
2025	Jun	13	(Fri)	05:09	05:33	65	12:09	85N	18:45	295	19:09
2025	Jun	14	(Sat)	05:09	05:33	65	12:09	85N	18:45	295	19:09
2025	Jun	15	(Sun)	05:09	05:34	65	12:09	85N	18:45	295	19:09
2025	Jun	16	(Mon)	05:10	05:34	65	12:10	85N	18:46	295	19:10
2025	Jun	17	(Tue)	05:10	05:34	65	12:10	85N	18:46	295	19:10
2025	Jun	18	(Wed)	05:10	05:34	65	12:10	85N	18:46	295	19:10
2025	Jun	19	(Thu)	05:10	05:34	65	12:10	85N	18:46	295	19:11
2025	Jun	20	(Fri)	05:10	05:34	65	12:11	85N	18:47	295	19:11
2025	Jun	21	(Sat)	05:10	05:35	65	12:11	85N	18:47	295	19:11
2025	Jun	22	(Sun)	05:11	05:35	65	12:11	85N	18:47	295	19:11
2025	Jun	23	(Mon)	05:11	05:35	65	12:11	85N	18:47	295	19:11
2025	Jun	24	(Tue)	05:11	05:35	65	12:11	85N	18:47	295	19:12
2025	Jun	25	(Wed)	05:11	05:36	65	12:12	85N	18:48	295	19:12
2025	Jun	26	(Thu)	05:12	05:36	65	12:12	85N	18:48	295	19:12
2025	Jun	27	(Fri)	05:12	05:36	65	12:12	85N	18:48	295	19:12
2025	Jun	28	(Sat)	05:12	05:36	65	12:12	85N	18:48	295	19:12
2025	Jun	29	(Sun)	05:13	05:37	65	12:12	85N	18:48	295	19:12
2025	Jun	30	(Mon)	05:13	05:37	65	12:13	85N	18:48	295	19:12
2025	Jul	01	(Tue)	05:13	05:37	65	12:13	86N	18:48	295	19:12
2025	Jul	02	(Wed)	05:14	05:38	65	12:13	86N	18:48	295	19:12
2025	Jul	03	(Thu)	05:14	05:38	66	12:13	86N	18:48	294	19:13
2025	Jul	04	(Fri)	05:14	05:38	66	12:13	86N	18:49	294	19:13
2025	Jul	05	(Sat)	05:15	05:39	66	12:14	86N	18:49	294	19:13

2025	Jul	06	(Sun)	05:15	05:39	66	12:14	86N	18:49	294	19:13
2025	Jul	07	(Mon)	05:15	05:39	66	12:14	86N	18:49	294	19:13
2025	Jul	08	(Tue)	05:16	05:40	66	12:14	86N	18:49	294	19:12
2025	Jul	09	(Wed)	05:16	05:40	66	12:14	86N	18:48	294	19:12
2025	Jul	10	(Thu)	05:16	05:40	66	12:14	86N	18:48	294	19:12
2025	Jul	11	(Fri)	05:17	05:41	66	12:15	87N	18:48	294	19:12
2025	Jul	12	(Sat)	05:17	05:41	67	12:15	87N	18:48	293	19:12
2025	Jul	13	(Sun)	05:17	05:41	67	12:15	87N	18:48	293	19:12
2025	Jul	14	(Mon)	05:18	05:42	67	12:15	87N	18:48	293	19:12
2025	Jul	15	(Tue)	05:18	05:42	67	12:15	87N	18:48	293	19:12
2025	Jul	16	(Wed)	05:18	05:42	67	12:15	87N	18:48	293	19:11
2025	Jul	17	(Thu)	05:19	05:43	67	12:15	87N	18:48	293	19:11
2025	Jul	18	(Fri)	05:19	05:43	68	12:15	88N	18:47	292	19:11
2025	Jul	19	(Sat)	05:20	05:43	68	12:15	88N	18:47	292	19:11
2025	Jul	20	(Sun)	05:20	05:44	68	12:15	88N	18:47	292	19:11
2025	Jul	21	(Mon)	05:20	05:44	68	12:15	88N	18:47	292	19:10
2025	Jul	22	(Tue)	05:21	05:44	68	12:15	88N	18:46	292	19:10
2025	Jul	23	(Wed)	05:21	05:45	69	12:15	89N	18:46	291	19:10
2025	Jul	24	(Thu)	05:22	05:45	69	12:16	89N	18:46	291	19:09
2025	Jul	25	(Fri)	05:22	05:45	69	12:16	89N	18:46	291	19:09
2025	Jul	26	(Sat)	05:22	05:46	69	12:16	89N	18:45	291	19:09
2025	Jul	27	(Sun)	05:23	05:46	69	12:16	89N	18:45	290	19:08
2025	Jul	28	(Mon)	05:23	05:46	70	12:16	90N	18:45	290	19:08
2025	Jul	29	(Tue)	05:23	05:47	70	12:15	90N	18:44	290	19:07
2025	Jul	30	(Wed)	05:24	05:47	70	12:15	90N	18:44	290	19:07
2025	Jul	31	(Thu)	05:24	05:47	70	12:15	90N	18:43	289	19:06
2025	Aug	01	(Fri)	05:24	05:48	71	12:15	91N	18:43	289	19:06
2025	Aug	02	(Sat)	05:25	05:48	71	12:15	91S	18:42	289	19:06
2025	Aug	03	(Sun)	05:25	05:48	71	12:15	90S	18:42	289	19:05
2025	Aug	04	(Mon)	05:25	05:48	72	12:15	90S	18:42	288	19:05
2025	Aug	05	(Tue)	05:26	05:49	72	12:15	90S	18:41	288	19:04
2025	Aug	06	(Wed)	05:26	05:49	72	12:15	89S	18:41	288	19:03
2025	Aug	07	(Thu)	05:26	05:49	72	12:15	89S	18:40	287	19:03
2025	Aug	08	(Fri)	05:27	05:50	73	12:15	89S	18:39	287	19:02
2025	Aug	09	(Sat)	05:27	05:50	73	12:15	89S	18:39	287	19:02
2025	Aug	10	(Sun)	05:27	05:50	73	12:14	88S	18:38	286	19:01
2025	Aug	11	(Mon)	05:28	05:50	74	12:14	88S	18:38	286	19:00
2025	Aug	12	(Tue)	05:28	05:51	74	12:14	88S	18:37	286	19:00
2025	Aug	13	(Wed)	05:28	05:51	74	12:14	87S	18:37	286	18:59
2025	Aug	14	(Thu)	05:29	05:51	75	12:14	87S	18:36	285	18:59
2025	Aug	15	(Fri)	05:29	05:51	75	12:13	87S	18:35	285	18:58
2025	Aug	16	(Sat)	05:29	05:52	75	12:13	86S	18:35	285	18:57
2025	Aug	17	(Sun)	05:29	05:52	76	12:13	86S	18:34	284	18:57
2025	Aug	18	(Mon)	05:30	05:52	76	12:13	86S	18:33	284	18:56
2025	Aug	19	(Tue)	05:30	05:52	76	12:13	86S	18:33	284	18:55
2025	Aug	20	(Wed)	05:30	05:53	77	12:12	85S	18:32	283	18:54
2025	Aug	21	(Thu)	05:30	05:53	77	12:12	85S	18:31	283	18:54
2025	Aug	22	(Fri)	05:31	05:53	77	12:12	85S	18:31	282	18:53
2025	Aug	23	(Sat)	05:31	05:53	78	12:12	84S	18:30	282	18:52
2025	Aug	24	(Sun)	05:31	05:53	78	12:11	84S	18:29	282	18:51
2025	Aug	25	(Mon)	05:31	05:54	78	12:11	83S	18:28	281	18:51
2025	Aug	26	(Tue)	05:32	05:54	79	12:11	83S	18:28	281	18:50
2025	Aug	27	(Wed)	05:32	05:54	79	12:11	83S	18:27	281	18:49
2025	Aug	28	(Thu)	05:32	05:54	80	12:10	82S	18:26	280	18:48
2025	Aug	29	(Fri)	05:32	05:54	80	12:10	82S	18:25	280	18:47
2025	Aug	30	(Sat)	05:32	05:54	80	12:10	82S	18:25	280	18:47
2025	Aug	31	(Sun)	05:33	05:55	81	12:09	81S	18:24	279	18:46
2025	Sep	01	(Mon)	05:33	05:55	81	12:09	81S	18:23	279	18:45
2025	Sep	02	(Tue)	05:33	05:55	81	12:09	81S	18:22	278	18:44
2025	Sep	03	(Wed)	05:33	05:55	82	12:08	80S	18:21	278	18:43
2025	Sep	04	(Thu)	05:33	05:55	82	12:08	80S	18:21	278	18:42
2025	Sep	05	(Fri)	05:33	05:55	83	12:08	80S	18:20	277	18:42
2025	Sep	06	(Sat)	05:34	05:56	83	12:07	79S	18:19	277	18:41
2025	Sep	07	(Sun)	05:34	05:56	83	12:07	79S	18:18	276	18:40
2025	Sep	08	(Mon)	05:34	05:56	84	12:07	78S	18:17	276	18:39
2025	Sep	09	(Tue)	05:34	05:56	84	12:06	78S	18:16	276	18:38
2025	Sep	10	(Wed)	05:34	05:56	85	12:06	78S	18:16	275	18:37
2025	Sep	11	(Thu)	05:34	05:56	85	12:06	77S	18:15	275	18:36
2025	Sep	12	(Fri)	05:35	05:56	85	12:05	77S	18:14	274	18:36
2025	Sep	13	(Sat)	05:35	05:57	86	12:05	77S	18:13	274	18:35
2025	Sep	14	(Sun)	05:35	05:57	86	12:05	76S	18:12	274	18:34
2025	Sep	15	(Mon)	05:35	05:57	87	12:04	76S	18:11	273	18:33

2025	Sep	16	(Tue)	05:35	05:57	87	12:04	75S	18:10	273	18:32
2025	Sep	17	(Wed)	05:35	05:57	87	12:03	75S	18:10	272	18:31
2025	Sep	18	(Thu)	05:36	05:57	88	12:03	75S	18:09	272	18:30
2025	Sep	19	(Fri)	05:36	05:57	88	12:03	74S	18:08	272	18:30
2025	Sep	20	(Sat)	05:36	05:58	89	12:02	74S	18:07	271	18:29
2025	Sep	21	(Sun)	05:36	05:58	89	12:02	73S	18:06	271	18:28
2025	Sep	22	(Mon)	05:36	05:58	89	12:02	73S	18:05	270	18:27
2025	Sep	23	(Tue)	05:36	05:58	90	12:01	73S	18:04	270	18:26
2025	Sep	24	(Wed)	05:36	05:58	90	12:01	72S	18:04	270	18:25
2025	Sep	25	(Thu)	05:37	05:58	91	12:01	72S	18:03	269	18:24
2025	Sep	26	(Fri)	05:37	05:59	91	12:00	71S	18:02	269	18:24
2025	Sep	27	(Sat)	05:37	05:59	91	12:00	71S	18:01	268	18:23
2025	Sep	28	(Sun)	05:37	05:59	92	12:00	71S	18:00	268	18:22
2025	Sep	29	(Mon)	05:37	05:59	92	11:59	70S	17:59	268	18:21
2025	Sep	30	(Tue)	05:37	05:59	93	11:59	70S	17:59	267	18:20
2025	Oct	01	(Wed)	05:38	05:59	93	11:59	70S	17:58	267	18:19
2025	Oct	02	(Thu)	05:38	06:00	93	11:58	69S	17:57	266	18:19
2025	Oct	03	(Fri)	05:38	06:00	94	11:58	69S	17:56	266	18:18
2025	Oct	04	(Sat)	05:38	06:00	94	11:58	68S	17:55	265	18:17
2025	Oct	05	(Sun)	05:38	06:00	95	11:57	68S	17:54	265	18:16
2025	Oct	06	(Mon)	05:39	06:00	95	11:57	68S	17:54	265	18:15
2025	Oct	07	(Tue)	05:39	06:00	96	11:57	67S	17:53	264	18:15
2025	Oct	08	(Wed)	05:39	06:01	96	11:57	67S	17:52	264	18:14
2025	Oct	09	(Thu)	05:39	06:01	96	11:56	66S	17:51	263	18:13
2025	Oct	10	(Fri)	05:39	06:01	97	11:56	66S	17:51	263	18:12
2025	Oct	11	(Sat)	05:40	06:01	97	11:56	66S	17:50	263	18:12
2025	Oct	12	(Sun)	05:40	06:02	98	11:55	65S	17:49	262	18:11
2025	Oct	13	(Mon)	05:40	06:02	98	11:55	65S	17:48	262	18:10
2025	Oct	14	(Tue)	05:40	06:02	98	11:55	65S	17:48	262	18:10
2025	Oct	15	(Wed)	05:40	06:02	99	11:55	64S	17:47	261	18:09
2025	Oct	16	(Thu)	05:41	06:03	99	11:55	64S	17:46	261	18:08
2025	Oct	17	(Fri)	05:41	06:03	99	11:54	63S	17:46	260	18:07
2025	Oct	18	(Sat)	05:41	06:03	100	11:54	63S	17:45	260	18:07
2025	Oct	19	(Sun)	05:41	06:03	100	11:54	63S	17:44	260	18:06
2025	Oct	20	(Mon)	05:42	06:04	101	11:54	62S	17:44	259	18:06
2025	Oct	21	(Tue)	05:42	06:04	101	11:54	62S	17:43	259	18:05
2025	Oct	22	(Wed)	05:42	06:04	101	11:53	62S	17:42	258	18:04
2025	Oct	23	(Thu)	05:43	06:05	102	11:53	61S	17:42	258	18:04
2025	Oct	24	(Fri)	05:43	06:05	102	11:53	61S	17:41	258	18:03
2025	Oct	25	(Sat)	05:43	06:05	102	11:53	61S	17:41	257	18:03
2025	Oct	26	(Sun)	05:44	06:06	103	11:53	60S	17:40	257	18:02
2025	Oct	27	(Mon)	05:44	06:06	103	11:53	60S	17:39	257	18:02
2025	Oct	28	(Tue)	05:44	06:06	104	11:53	60S	17:39	256	18:01
2025	Oct	29	(Wed)	05:45	06:07	104	11:53	59S	17:38	256	18:01
2025	Oct	30	(Thu)	05:45	06:07	104	11:53	59S	17:38	256	18:00
2025	Oct	31	(Fri)	05:45	06:08	105	11:53	59S	17:37	255	18:00
2025	Nov	01	(Sat)	05:46	06:08	105	11:53	58S	17:37	255	17:59
2025	Nov	02	(Sun)	05:46	06:08	105	11:53	58S	17:36	255	17:59
2025	Nov	03	(Mon)	05:46	06:09	106	11:53	58S	17:36	254	17:58
2025	Nov	04	(Tue)	05:47	06:09	106	11:53	57S	17:36	254	17:58
2025	Nov	05	(Wed)	05:47	06:10	106	11:53	57S	17:35	254	17:58
2025	Nov	06	(Thu)	05:48	06:10	107	11:53	57S	17:35	253	17:57
2025	Nov	07	(Fri)	05:48	06:11	107	11:53	56S	17:34	253	17:57
2025	Nov	08	(Sat)	05:48	06:11	107	11:53	56S	17:34	253	17:57
2025	Nov	09	(Sun)	05:49	06:12	107	11:53	56S	17:34	252	17:57
2025	Nov	10	(Mon)	05:49	06:12	108	11:53	56S	17:34	252	17:56
2025	Nov	11	(Tue)	05:50	06:13	108	11:53	55S	17:33	252	17:56
2025	Nov	12	(Wed)	05:50	06:13	108	11:53	55S	17:33	252	17:56
2025	Nov	13	(Thu)	05:51	06:14	109	11:53	55S	17:33	251	17:56
2025	Nov	14	(Fri)	05:51	06:14	109	11:53	55S	17:33	251	17:55
2025	Nov	15	(Sat)	05:52	06:15	109	11:54	54S	17:32	251	17:55
2025	Nov	16	(Sun)	05:52	06:15	109	11:54	54S	17:32	250	17:55
2025	Nov	17	(Mon)	05:53	06:16	110	11:54	54S	17:32	250	17:55
2025	Nov	18	(Tue)	05:53	06:16	110	11:54	54S	17:32	250	17:55
2025	Nov	19	(Wed)	05:54	06:17	110	11:54	53S	17:32	250	17:55
2025	Nov	20	(Thu)	05:54	06:17	110	11:55	53S	17:32	249	17:55
2025	Nov	21	(Fri)	05:55	06:18	111	11:55	53S	17:32	249	17:55
2025	Nov	22	(Sat)	05:55	06:18	111	11:55	53S	17:32	249	17:55
2025	Nov	23	(Sun)	05:56	06:19	111	11:55	52S	17:32	249	17:55
2025	Nov	24	(Mon)	05:56	06:20	111	11:56	52S	17:32	249	17:55
2025	Nov	25	(Tue)	05:57	06:20	112	11:56	52S	17:32	248	17:55
2025	Nov	26	(Wed)	05:58	06:21	112	11:56	52S	17:32	248	17:55

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

Moon

Nong Khai

Location: E102°45'39.5", N17°53'24.0", 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	°	h	m	°
2025 Jan 01 (Wed)	07:50	117		13:27	47S		19:05	244	
2025 Jan 02 (Thu)	08:39	113		14:21	51S		20:06	249	
2025 Jan 03 (Fri)	09:24	108		15:13	57S		21:05	255	
2025 Jan 04 (Sat)	10:05	102		16:02	63S		22:03	262	
2025 Jan 05 (Sun)	10:44	95		16:49	70S		22:59	269	
2025 Jan 06 (Mon)	11:22	87		17:36	77S		23:56	276	
2025 Jan 07 (Tue)	12:00	80		18:24	84S				
2025 Jan 08 (Wed)	12:41	74		19:15	90S		00:53	283	
2025 Jan 09 (Thu)	13:27	68		20:10	86N		01:54	290	
2025 Jan 10 (Fri)	14:17	63		21:08	82N		02:57	295	
2025 Jan 11 (Sat)	15:13	61		22:09	80N		04:01	298	
2025 Jan 12 (Sun)	16:14	60		23:10	80N		05:05	300	
2025 Jan 13 (Mon)	17:16	61					06:06	299	
2025 Jan 14 (Tue)	18:17	65		00:09	82N		07:00	297	
2025 Jan 15 (Wed)	19:16	69		01:04	85N		07:48	293	
2025 Jan 16 (Thu)	20:10	75		01:55	90N		08:30	288	
2025 Jan 17 (Fri)	21:01	81		02:41	86S		09:07	282	
2025 Jan 18 (Sat)	21:50	87		03:23	80S		09:41	276	
2025 Jan 19 (Sun)	22:37	93		04:03	74S		10:13	270	
2025 Jan 20 (Mon)	23:24	99		04:43	68S		10:44	264	
2025 Jan 21 (Tue)				05:22	62S		11:16	258	
2025 Jan 22 (Wed)	00:12	105		06:03	57S		11:51	253	
2025 Jan 23 (Thu)	01:02	110		06:46	52S		12:28	248	
2025 Jan 24 (Fri)	01:55	114		07:33	48S		13:10	244	
2025 Jan 25 (Sat)	02:50	118		08:24	45S		13:57	241	

2025	Jan	26	(Sun)	03:47	120	09:19	44S	14:50	240
2025	Jan	27	(Mon)	04:44	120	10:16	44S	15:48	240
2025	Jan	28	(Tue)	05:39	119	11:14	46S	16:50	243
2025	Jan	29	(Wed)	06:31	115	12:10	49S	17:52	247
2025	Jan	30	(Thu)	07:18	110	13:04	54S	18:54	253
2025	Jan	31	(Fri)	08:02	104	13:56	61S	19:54	259
2025	Feb	01	(Sat)	08:42	97	14:45	68S	20:52	267
2025	Feb	02	(Sun)	09:21	90	15:33	75S	21:50	274
2025	Feb	03	(Mon)	10:00	82	16:22	82S	22:48	281
2025	Feb	04	(Tue)	10:41	75	17:12	88S	23:48	288
2025	Feb	05	(Wed)	11:25	69	18:05	87N		
2025	Feb	06	(Thu)	12:13	64	19:02	83N	00:50	294
2025	Feb	07	(Fri)	13:06	61	20:01	81N	01:54	298
2025	Feb	08	(Sat)	14:04	60	21:01	80N	02:57	300
2025	Feb	09	(Sun)	15:05	61	22:00	81N	03:57	300
2025	Feb	10	(Mon)	16:06	63	22:55	84N	04:52	298
2025	Feb	11	(Tue)	17:04	67	23:47	88N	05:42	295
2025	Feb	12	(Wed)	18:00	72			06:25	290
2025	Feb	13	(Thu)	18:52	78	00:34	88S	07:04	285
2025	Feb	14	(Fri)	19:42	84	01:17	82S	07:39	279
2025	Feb	15	(Sat)	20:30	91	01:59	76S	08:11	272
2025	Feb	16	(Sun)	21:17	97	02:38	70S	08:43	266
2025	Feb	17	(Mon)	22:05	103	03:18	65S	09:15	260
2025	Feb	18	(Tue)	22:54	108	03:58	59S	09:48	255
2025	Feb	19	(Wed)	23:45	113	04:40	54S	10:24	250
2025	Feb	20	(Thu)			05:25	50S	11:03	245
2025	Feb	21	(Fri)	00:38	117	06:14	46S	11:47	242
2025	Feb	22	(Sat)	01:33	119	07:06	44S	12:37	240
2025	Feb	23	(Sun)	02:30	120	08:01	43S	13:32	240
2025	Feb	24	(Mon)	03:25	120	08:58	44S	14:31	241
2025	Feb	25	(Tue)	04:18	117	09:54	47S	15:33	245
2025	Feb	26	(Wed)	05:07	113	10:49	52S	16:35	250
2025	Feb	27	(Thu)	05:53	107	11:43	57S	17:37	256
2025	Feb	28	(Fri)	06:35	100	12:34	64S	18:37	263
2025	Mar	01	(Sat)	07:16	93	13:24	72S	19:37	271
2025	Mar	02	(Sun)	07:56	85	14:14	79S	20:37	279
2025	Mar	03	(Mon)	08:37	78	15:05	86S	21:39	286
2025	Mar	04	(Tue)	09:21	71	15:59	89N	22:42	292
2025	Mar	05	(Wed)	10:09	66	16:56	84N	23:46	297
2025	Mar	06	(Thu)	11:02	62	17:55	81N		
2025	Mar	07	(Fri)	11:59	60	18:55	80N	00:51	299
2025	Mar	08	(Sat)	12:59	60	19:55	80N	01:52	300
2025	Mar	09	(Sun)	13:59	62	20:51	83N	02:49	299
2025	Mar	10	(Mon)	14:58	66	21:43	87N	03:39	296
2025	Mar	11	(Tue)	15:54	70	22:30	90S	04:24	292
2025	Mar	12	(Wed)	16:46	76	23:14	85S	05:03	287
2025	Mar	13	(Thu)	17:36	82	23:56	79S	05:39	281
2025	Mar	14	(Fri)	18:24	88			06:12	275
2025	Mar	15	(Sat)	19:11	95	00:36	73S	06:43	269
2025	Mar	16	(Sun)	19:59	101	01:15	67S	07:15	262
2025	Mar	17	(Mon)	20:47	106	01:55	61S	07:48	257
2025	Mar	18	(Tue)	21:38	111	02:36	56S	08:22	251
2025	Mar	19	(Wed)	22:30	115	03:20	51S	09:00	247
2025	Mar	20	(Thu)	23:24	118	04:07	47S	09:42	243
2025	Mar	21	(Fri)			04:57	45S	10:29	241
2025	Mar	22	(Sat)	00:19	120	05:50	43S	11:21	240
2025	Mar	23	(Sun)	01:13	120	06:45	44S	12:17	240
2025	Mar	24	(Mon)	02:06	119	07:40	46S	13:16	243
2025	Mar	25	(Tue)	02:56	115	08:35	49S	14:16	247
2025	Mar	26	(Wed)	03:42	110	09:27	54S	15:17	253
2025	Mar	27	(Thu)	04:25	104	10:19	61S	16:17	259
2025	Mar	28	(Fri)	05:06	97	11:09	68S	17:17	267
2025	Mar	29	(Sat)	05:47	89	12:00	75S	18:18	275
2025	Mar	30	(Sun)	06:28	81	12:52	83S	19:20	283
2025	Mar	31	(Mon)	07:12	74	13:46	90S	20:25	289
2025	Apr	01	(Tue)	08:00	68	14:44	86N	21:32	295
2025	Apr	02	(Wed)	08:53	63	15:44	82N	22:39	299
2025	Apr	03	(Thu)	09:50	60	16:47	80N	23:44	300
2025	Apr	04	(Fri)	10:51	60	17:48	80N		
2025	Apr	05	(Sat)	11:53	61	18:46	82N	00:44	300
2025	Apr	06	(Sun)	12:53	64	19:40	85N	01:37	297
2025	Apr	07	(Mon)	13:49	69	20:29	90N	02:23	293

2025 Apr 08 (Tue)	14:43 74	21:14 86S	03:04 288
2025 Apr 09 (Wed)	15:33 80	21:55 81S	03:40 283
2025 Apr 10 (Thu)	16:21 86	22:35 75S	04:14 277
2025 Apr 11 (Fri)	17:08 93	23:14 69S	04:45 271
2025 Apr 12 (Sat)	17:55 99	23:54 63S	05:17 264
2025 Apr 13 (Sun)	18:43 104		05:49 259
2025 Apr 14 (Mon)	19:33 110	00:35 57S	06:23 253
2025 Apr 15 (Tue)	20:24 114	01:18 53S	07:00 248
2025 Apr 16 (Wed)	21:18 118	02:03 49S	07:40 244
2025 Apr 17 (Thu)	22:12 120	02:52 46S	08:25 241
2025 Apr 18 (Fri)	23:06 120	03:44 44S	09:15 240
2025 Apr 19 (Sat)	23:59 119	04:37 44S	10:09 240
2025 Apr 20 (Sun)		05:31 45S	11:05 242
2025 Apr 21 (Mon)	00:48 117	06:25 48S	12:04 245
2025 Apr 22 (Tue)	01:34 112	07:17 52S	13:02 250
2025 Apr 23 (Wed)	02:17 107	08:07 58S	14:00 256
2025 Apr 24 (Thu)	02:58 100	08:56 64S	14:59 263
2025 Apr 25 (Fri)	03:37 93	09:45 71S	15:58 271
2025 Apr 26 (Sat)	04:17 85	10:35 79S	16:58 278
2025 Apr 27 (Sun)	05:00 78	11:28 86S	18:02 286
2025 Apr 28 (Mon)	05:46 71	12:25 89N	19:09 292
2025 Apr 29 (Tue)	06:37 65	13:26 84N	20:18 297
2025 Apr 30 (Wed)	07:35 62	14:30 81N	21:27 300
2025 May 01 (Thu)	08:37 60	15:34 80N	22:31 300
2025 May 02 (Fri)	09:41 61	16:36 81N	23:29 298
2025 May 03 (Sat)	10:43 63	17:33 84N	
2025 May 04 (Sun)	11:43 67	18:25 88N	00:19 295
2025 May 05 (Mon)	12:38 73	19:12 88S	01:03 290
2025 May 06 (Tue)	13:30 78	19:55 82S	01:41 285
2025 May 07 (Wed)	14:18 84	20:35 76S	02:15 279
2025 May 08 (Thu)	15:06 91	21:14 71S	02:48 272
2025 May 09 (Fri)	15:52 97	21:53 65S	03:19 266
2025 May 10 (Sat)	16:40 103	22:34 59S	03:51 260
2025 May 11 (Sun)	17:29 108	23:16 54S	04:24 255
2025 May 12 (Mon)	18:20 113		05:00 250
2025 May 13 (Tue)	19:13 116	00:01 50S	05:39 245
2025 May 14 (Wed)	20:07 119	00:49 46S	06:23 242
2025 May 15 (Thu)	21:02 120	01:40 44S	07:11 240
2025 May 16 (Fri)	21:55 120	02:33 44S	08:04 240
2025 May 17 (Sat)	22:45 117	03:27 44S	09:00 241
2025 May 18 (Sun)	23:31 114	04:20 47S	09:57 244
2025 May 19 (Mon)		05:11 51S	10:55 248
2025 May 20 (Tue)	00:14 109	06:01 56S	11:51 254
2025 May 21 (Wed)	00:54 103	06:48 62S	12:47 260
2025 May 22 (Thu)	01:32 96	07:36 68S	13:44 267
2025 May 23 (Fri)	02:11 89	08:24 76S	14:41 275
2025 May 24 (Sat)	02:50 81	09:13 83S	15:42 282
2025 May 25 (Sun)	03:33 74	10:07 89S	16:46 289
2025 May 26 (Mon)	04:22 68	11:05 86N	17:53 295
2025 May 27 (Tue)	05:16 63	12:08 82N	19:03 298
2025 May 28 (Wed)	06:16 61	13:13 80N	20:11 300
2025 May 29 (Thu)	07:21 60	14:18 80N	21:14 299
2025 May 30 (Fri)	08:27 62	15:20 83N	22:09 296
2025 May 31 (Sat)	09:30 66	16:15 87N	22:57 292
2025 Jun 01 (Sun)	10:28 71	17:06 90S	23:38 286
2025 Jun 02 (Mon)	11:23 76	17:51 84S	
2025 Jun 03 (Tue)	12:13 82	18:33 78S	00:15 281
2025 Jun 04 (Wed)	13:02 89	19:13 72S	00:48 274
2025 Jun 05 (Thu)	13:49 95	19:52 66S	01:20 268
2025 Jun 06 (Fri)	14:36 101	20:32 61S	01:52 262
2025 Jun 07 (Sat)	15:24 106	21:13 56S	02:24 257
2025 Jun 08 (Sun)	16:15 111	21:57 51S	02:59 251
2025 Jun 09 (Mon)	17:07 115	22:45 47S	03:38 247
2025 Jun 10 (Tue)	18:01 118	23:35 45S	04:20 243
2025 Jun 11 (Wed)	18:57 120		05:07 241
2025 Jun 12 (Thu)	19:51 120	00:28 44S	05:59 240
2025 Jun 13 (Fri)	20:42 118	01:22 44S	06:55 241
2025 Jun 14 (Sat)	21:29 115	02:16 46S	07:52 243
2025 Jun 15 (Sun)	22:13 110	03:08 50S	08:50 247
2025 Jun 16 (Mon)	22:54 105	03:58 54S	09:47 252
2025 Jun 17 (Tue)	23:32 98	04:46 60S	10:42 258
2025 Jun 18 (Wed)		05:32 66S	11:37 265

2025 Jun 19 (Thu)	00:09 91	06:18 73S	12:33 272
2025 Jun 20 (Fri)	00:47 84	07:06 80S	13:30 280
2025 Jun 21 (Sat)	01:27 77	07:56 87S	14:30 287
2025 Jun 22 (Sun)	02:11 71	08:50 89N	15:34 293
2025 Jun 23 (Mon)	03:01 65	09:49 84N	16:41 297
2025 Jun 24 (Tue)	03:58 62	10:53 81N	17:50 300
2025 Jun 25 (Wed)	05:01 60	11:58 80N	18:55 300
2025 Jun 26 (Thu)	06:06 61	13:02 81N	19:55 298
2025 Jun 27 (Fri)	07:12 64	14:01 85N	20:47 294
2025 Jun 28 (Sat)	08:14 68	14:55 89N	21:31 289
2025 Jun 29 (Sun)	09:11 74	15:43 87S	22:11 283
2025 Jun 30 (Mon)	10:04 80	16:27 81S	22:46 277
2025 Jul 01 (Tue)	10:54 86	17:09 75S	23:19 270
2025 Jul 02 (Wed)	11:43 93	17:49 69S	23:51 264
2025 Jul 03 (Thu)	12:30 99	18:29 63S	
2025 Jul 04 (Fri)	13:18 105	19:10 57S	00:24 258
2025 Jul 05 (Sat)	14:08 110	19:53 53S	00:58 253
2025 Jul 06 (Sun)	15:00 114	20:39 49S	01:35 248
2025 Jul 07 (Mon)	15:53 117	21:28 46S	02:16 244
2025 Jul 08 (Tue)	16:49 120	22:21 44S	03:01 241
2025 Jul 09 (Wed)	17:43 120	23:15 44S	03:52 240
2025 Jul 10 (Thu)	18:36 119		04:47 240
2025 Jul 11 (Fri)	19:26 116	00:10 45S	05:45 242
2025 Jul 12 (Sat)	20:11 112	01:03 48S	06:43 246
2025 Jul 13 (Sun)	20:53 106	01:55 53S	07:41 251
2025 Jul 14 (Mon)	21:32 100	02:44 58S	08:38 257
2025 Jul 15 (Tue)	22:10 93	03:31 65S	09:33 263
2025 Jul 16 (Wed)	22:47 86	04:17 71S	10:29 271
2025 Jul 17 (Thu)	23:26 79	05:03 78S	11:25 278
2025 Jul 18 (Fri)		05:52 85S	12:23 285
2025 Jul 19 (Sat)	00:08 72	06:43 90N	13:24 291
2025 Jul 20 (Sun)	00:54 67	07:39 85N	14:28 296
2025 Jul 21 (Mon)	01:47 63	08:39 82N	15:34 299
2025 Jul 22 (Tue)	02:45 60	09:42 80N	16:39 300
2025 Jul 23 (Wed)	03:49 60	10:46 80N	17:41 299
2025 Jul 24 (Thu)	04:54 62	11:46 83N	18:35 296
2025 Jul 25 (Fri)	05:57 66	12:42 87N	19:23 291
2025 Jul 26 (Sat)	06:57 71	13:33 89S	20:05 286
2025 Jul 27 (Sun)	07:52 77	14:20 83S	20:42 279
2025 Jul 28 (Mon)	08:45 84	15:03 77S	21:17 273
2025 Jul 29 (Tue)	09:34 90	15:44 71S	21:49 267
2025 Jul 30 (Wed)	10:23 96	16:24 65S	22:22 261
2025 Jul 31 (Thu)	11:11 102	17:05 59S	22:55 255
2025 Aug 01 (Fri)	12:00 108	17:47 54S	23:31 250
2025 Aug 02 (Sat)	12:51 113	18:32 50S	
2025 Aug 03 (Sun)	13:44 116	19:20 47S	00:10 246
2025 Aug 04 (Mon)	14:38 119	20:11 44S	00:54 242
2025 Aug 05 (Tue)	15:33 120	21:04 44S	01:42 240
2025 Aug 06 (Wed)	16:27 120	21:59 44S	02:36 240
2025 Aug 07 (Thu)	17:18 117	22:54 47S	03:33 241
2025 Aug 08 (Fri)	18:06 114	23:47 51S	04:32 244
2025 Aug 09 (Sat)	18:50 108		05:31 249
2025 Aug 10 (Sun)	19:31 102	00:38 56S	06:29 254
2025 Aug 11 (Mon)	20:09 95	01:26 62S	07:26 261
2025 Aug 12 (Tue)	20:47 88	02:14 69S	08:23 268
2025 Aug 13 (Wed)	21:26 81	03:01 76S	09:19 276
2025 Aug 14 (Thu)	22:07 74	03:49 83S	10:17 283
2025 Aug 15 (Fri)	22:52 68	04:40 90S	11:18 289
2025 Aug 16 (Sat)	23:42 64	05:34 86N	12:21 295
2025 Aug 17 (Sun)		06:32 82N	13:26 298
2025 Aug 18 (Mon)	00:38 61	07:33 80N	14:30 300
2025 Aug 19 (Tue)	01:38 60	08:35 80N	15:32 300
2025 Aug 20 (Wed)	02:42 61	09:36 82N	16:27 297
2025 Aug 21 (Thu)	03:45 64	10:33 85N	17:17 293
2025 Aug 22 (Fri)	04:45 69	11:25 90N	18:00 288
2025 Aug 23 (Sat)	05:41 75	12:12 86S	18:39 282
2025 Aug 24 (Sun)	06:35 81	12:57 80S	19:14 276
2025 Aug 25 (Mon)	07:25 87	13:38 73S	19:47 269
2025 Aug 26 (Tue)	08:14 94	14:19 67S	20:20 263
2025 Aug 27 (Wed)	09:03 100	15:00 61S	20:53 257
2025 Aug 28 (Thu)	09:52 106	15:42 56S	21:28 252
2025 Aug 29 (Fri)	10:42 111	16:26 51S	22:06 247

2025 Aug 30 (Sat)	11:34 115	17:12 48S	22:47 243
2025 Aug 31 (Sun)	12:28 118	18:01 45S	23:33 241
2025 Sep 01 (Mon)	13:22 120	18:53 44S	
2025 Sep 02 (Tue)	14:16 120	19:47 44S	00:24 240
2025 Sep 03 (Wed)	15:08 119	20:41 46S	01:19 240
2025 Sep 04 (Thu)	15:57 116	21:35 49S	02:17 242
2025 Sep 05 (Fri)	16:42 111	22:27 54S	03:15 246
2025 Sep 06 (Sat)	17:24 105	23:16 59S	04:14 252
2025 Sep 07 (Sun)	18:04 98		05:13 258
2025 Sep 08 (Mon)	18:43 91	00:05 66S	06:10 265
2025 Sep 09 (Tue)	19:23 84	00:54 73S	07:08 273
2025 Sep 10 (Wed)	20:04 76	01:43 81S	08:08 280
2025 Sep 11 (Thu)	20:49 70	02:34 87S	09:09 287
2025 Sep 12 (Fri)	21:38 65	03:28 88N	10:13 293
2025 Sep 13 (Sat)	22:33 61	04:27 83N	11:18 297
2025 Sep 14 (Sun)	23:33 60	05:27 81N	12:24 300
2025 Sep 15 (Mon)		06:30 80N	13:26 300
2025 Sep 16 (Tue)	00:35 61	07:30 81N	14:23 298
2025 Sep 17 (Wed)	01:37 63	08:27 84N	15:14 295
2025 Sep 18 (Thu)	02:37 67	09:20 88N	15:58 290
2025 Sep 19 (Fri)	03:34 73	10:08 88S	16:38 284
2025 Sep 20 (Sat)	04:28 79	10:53 82S	17:13 278
2025 Sep 21 (Sun)	05:19 85	11:35 76S	17:47 272
2025 Sep 22 (Mon)	06:08 91	12:16 70S	18:20 265
2025 Sep 23 (Tue)	06:56 98	12:56 64S	18:53 259
2025 Sep 24 (Wed)	07:45 104	13:38 58S	19:27 254
2025 Sep 25 (Thu)	08:35 109	14:21 53S	20:03 249
2025 Sep 26 (Fri)	09:26 114	15:06 49S	20:43 245
2025 Sep 27 (Sat)	10:19 117	15:54 46S	21:27 242
2025 Sep 28 (Sun)	11:13 119	16:44 44S	22:15 240
2025 Sep 29 (Mon)	12:06 120	17:37 44S	23:08 240
2025 Sep 30 (Tue)	12:58 119	18:30 45S	
2025 Oct 01 (Wed)	13:47 117	19:23 47S	00:03 241
2025 Oct 02 (Thu)	14:33 113	20:14 51S	01:00 244
2025 Oct 03 (Fri)	15:16 108	21:04 56S	01:58 249
2025 Oct 04 (Sat)	15:56 102	21:53 63S	02:56 255
2025 Oct 05 (Sun)	16:36 95	22:41 70S	03:53 261
2025 Oct 06 (Mon)	17:15 87	23:30 77S	04:51 269
2025 Oct 07 (Tue)	17:56 80		05:50 277
2025 Oct 08 (Wed)	18:40 73	00:22 84S	06:52 284
2025 Oct 09 (Thu)	19:29 67	01:16 91N	07:57 291
2025 Oct 10 (Fri)	20:24 62	02:15 85N	09:05 296
2025 Oct 11 (Sat)	21:24 60	03:17 82N	10:13 299
2025 Oct 12 (Sun)	22:27 60	04:21 80N	11:18 300
2025 Oct 13 (Mon)	23:31 62	05:24 80N	12:19 299
2025 Oct 14 (Tue)		06:23 83N	13:12 296
2025 Oct 15 (Wed)	00:32 66	07:17 87N	13:58 291
2025 Oct 16 (Thu)	01:30 71	08:06 90S	14:38 286
2025 Oct 17 (Fri)	02:24 77	08:51 84S	15:15 280
2025 Oct 18 (Sat)	03:15 83	09:34 78S	15:48 274
2025 Oct 19 (Sun)	04:04 89	10:14 72S	16:21 268
2025 Oct 20 (Mon)	04:52 96	10:55 66S	16:53 261
2025 Oct 21 (Tue)	05:40 102	11:35 60S	17:27 256
2025 Oct 22 (Wed)	06:30 107	12:18 55S	18:03 250
2025 Oct 23 (Thu)	07:20 112	13:02 50S	18:41 246
2025 Oct 24 (Fri)	08:13 116	13:49 47S	19:24 243
2025 Oct 25 (Sat)	09:06 119	14:39 45S	20:10 241
2025 Oct 26 (Sun)	09:59 120	15:30 44S	21:01 240
2025 Oct 27 (Mon)	10:51 120	16:22 44S	21:54 241
2025 Oct 28 (Tue)	11:40 118	17:14 46S	22:50 243
2025 Oct 29 (Wed)	12:26 115	18:05 49S	23:46 247
2025 Oct 30 (Thu)	13:09 110	18:54 54S	
2025 Oct 31 (Fri)	13:49 105	19:41 60S	00:42 252
2025 Nov 01 (Sat)	14:28 98	20:28 66S	01:37 258
2025 Nov 02 (Sun)	15:06 91	21:16 73S	02:33 265
2025 Nov 03 (Mon)	15:45 84	22:05 80S	03:30 273
2025 Nov 04 (Tue)	16:28 76	22:58 87S	04:30 280
2025 Nov 05 (Wed)	17:15 70	23:56 88N	05:34 287
2025 Nov 06 (Thu)	18:08 65		06:41 293
2025 Nov 07 (Fri)	19:08 61	00:58 83N	07:52 298
2025 Nov 08 (Sat)	20:12 60	02:04 81N	09:01 300
2025 Nov 09 (Sun)	21:19 61	03:10 80N	10:07 299

2025 Nov 10 (Mon)	22:23 65	04:13 82N	11:04 297
2025 Nov 11 (Tue)	23:24 69	05:11 86N	11:55 293
2025 Nov 12 (Wed)		06:03 90N	12:38 288
2025 Nov 13 (Thu)	00:20 75	06:50 86S	13:16 282
2025 Nov 14 (Fri)	01:12 81	07:33 80S	13:50 276
2025 Nov 15 (Sat)	02:01 87	08:14 73S	14:23 269
2025 Nov 16 (Sun)	02:49 94	08:54 67S	14:55 263
2025 Nov 17 (Mon)	03:37 100	09:35 62S	15:28 257
2025 Nov 18 (Tue)	04:26 105	10:16 56S	16:03 252
2025 Nov 19 (Wed)	05:16 111	11:00 52S	16:41 247
2025 Nov 20 (Thu)	06:08 115	11:46 48S	17:22 244
2025 Nov 21 (Fri)	07:01 118	12:35 45S	18:07 241
2025 Nov 22 (Sat)	07:54 120	13:26 44S	18:57 240
2025 Nov 23 (Sun)	08:47 120	14:18 44S	19:50 241
2025 Nov 24 (Mon)	09:37 119	15:10 46S	20:44 242
2025 Nov 25 (Tue)	10:23 116	16:00 48S	21:39 246
2025 Nov 26 (Wed)	11:06 112	16:48 53S	22:34 250
2025 Nov 27 (Thu)	11:46 107	17:35 58S	23:28 256
2025 Nov 28 (Fri)	12:24 101	18:20 64S	
2025 Nov 29 (Sat)	13:00 94	19:06 70S	00:22 262
2025 Nov 30 (Sun)	13:38 87	19:53 77S	01:16 269
2025 Dec 01 (Mon)	14:17 80	20:42 84S	02:12 277
2025 Dec 02 (Tue)	15:00 73	21:36 90S	03:12 284
2025 Dec 03 (Wed)	15:50 67	22:35 86N	04:16 290
2025 Dec 04 (Thu)	16:46 63	23:39 82N	05:24 295
2025 Dec 05 (Fri)	17:49 60		06:35 299
2025 Dec 06 (Sat)	18:57 61	00:47 80N	07:45 300
2025 Dec 07 (Sun)	20:05 63	01:54 81N	08:48 298
2025 Dec 08 (Mon)	21:10 67	02:56 84N	09:44 295
2025 Dec 09 (Tue)	22:10 73	03:53 88N	10:32 290
2025 Dec 10 (Wed)	23:05 79	04:44 88S	11:13 284
2025 Dec 11 (Thu)	23:56 85	05:29 82S	11:50 278
2025 Dec 12 (Fri)		06:12 75S	12:24 271
2025 Dec 13 (Sat)	00:46 92	06:53 69S	12:56 265
2025 Dec 14 (Sun)	01:34 98	07:33 63S	13:29 259
2025 Dec 15 (Mon)	02:22 104	08:15 58S	14:03 254
2025 Dec 16 (Tue)	03:12 109	08:57 53S	14:40 249
2025 Dec 17 (Wed)	04:03 114	09:43 49S	15:20 245
2025 Dec 18 (Thu)	04:56 117	10:31 46S	16:04 242
2025 Dec 19 (Fri)	05:49 119	11:21 44S	16:53 240
2025 Dec 20 (Sat)	06:42 120	12:14 44S	17:45 240
2025 Dec 21 (Sun)	07:33 119	13:06 45S	18:40 242
2025 Dec 22 (Mon)	08:21 117	13:57 48S	19:35 245
2025 Dec 23 (Tue)	09:05 113	14:46 51S	20:30 249
2025 Dec 24 (Wed)	09:46 108	15:33 56S	21:24 254
2025 Dec 25 (Thu)	10:24 103	16:18 62S	22:17 260
2025 Dec 26 (Fri)	11:00 96	17:03 68S	23:09 267
2025 Dec 27 (Sat)	11:36 89	17:47 75S	
2025 Dec 28 (Sun)	12:13 83	18:34 81S	00:03 274
2025 Dec 29 (Mon)	12:53 76	19:23 88S	00:59 281
2025 Dec 30 (Tue)	13:37 70	20:18 88N	01:59 288
2025 Dec 31 (Wed)	14:28 65	21:17 83N	03:03 293