

Sun

Nong Bua Lam Phu
Location: E102°16'58.8", N17°09'50.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

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

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

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

2025	Oct	04	(Sat)	05:15	06:02	94	12:00	69S	17:57	266	18:44
2025	Oct	05	(Sun)	05:15	06:02	95	11:59	69S	17:57	265	18:43
2025	Oct	06	(Mon)	05:15	06:02	95	11:59	68S	17:56	265	18:43
2025	Oct	07	(Tue)	05:15	06:02	96	11:59	68S	17:55	264	18:42
2025	Oct	08	(Wed)	05:15	06:02	96	11:58	68S	17:54	264	18:41
2025	Oct	09	(Thu)	05:16	06:02	96	11:58	67S	17:54	264	18:40
2025	Oct	10	(Fri)	05:16	06:03	97	11:58	67S	17:53	263	18:40
2025	Oct	11	(Sat)	05:16	06:03	97	11:58	66S	17:52	263	18:39
2025	Oct	12	(Sun)	05:16	06:03	97	11:57	66S	17:51	262	18:38
2025	Oct	13	(Mon)	05:16	06:03	98	11:57	66S	17:51	262	18:38
2025	Oct	14	(Tue)	05:16	06:04	98	11:57	65S	17:50	262	18:37
2025	Oct	15	(Wed)	05:17	06:04	99	11:57	65S	17:49	261	18:36
2025	Oct	16	(Thu)	05:17	06:04	99	11:56	65S	17:49	261	18:36
2025	Oct	17	(Fri)	05:17	06:04	99	11:56	64S	17:48	260	18:35
2025	Oct	18	(Sat)	05:17	06:05	100	11:56	64S	17:47	260	18:35
2025	Oct	19	(Sun)	05:18	06:05	100	11:56	63S	17:47	260	18:34
2025	Oct	20	(Mon)	05:18	06:05	101	11:56	63S	17:46	259	18:33
2025	Oct	21	(Tue)	05:18	06:05	101	11:56	63S	17:45	259	18:33
2025	Oct	22	(Wed)	05:18	06:06	101	11:55	62S	17:45	259	18:32
2025	Oct	23	(Thu)	05:18	06:06	102	11:55	62S	17:44	258	18:32
2025	Oct	24	(Fri)	05:19	06:06	102	11:55	62S	17:44	258	18:31
2025	Oct	25	(Sat)	05:19	06:07	102	11:55	61S	17:43	257	18:31
2025	Oct	26	(Sun)	05:19	06:07	103	11:55	61S	17:43	257	18:30
2025	Oct	27	(Mon)	05:20	06:07	103	11:55	61S	17:42	257	18:30
2025	Oct	28	(Tue)	05:20	06:08	103	11:55	60S	17:42	256	18:29
2025	Oct	29	(Wed)	05:20	06:08	104	11:55	60S	17:41	256	18:29
2025	Oct	30	(Thu)	05:20	06:08	104	11:55	60S	17:41	256	18:28
2025	Oct	31	(Fri)	05:21	06:09	105	11:55	59S	17:40	255	18:28
2025	Nov	01	(Sat)	05:21	06:09	105	11:54	59S	17:40	255	18:28
2025	Nov	02	(Sun)	05:21	06:09	105	11:54	59S	17:39	255	18:27
2025	Nov	03	(Mon)	05:22	06:10	106	11:54	58S	17:39	254	18:27
2025	Nov	04	(Tue)	05:22	06:10	106	11:54	58S	17:38	254	18:27
2025	Nov	05	(Wed)	05:22	06:11	106	11:54	58S	17:38	254	18:26
2025	Nov	06	(Thu)	05:23	06:11	106	11:55	57S	17:38	253	18:26
2025	Nov	07	(Fri)	05:23	06:12	107	11:55	57S	17:37	253	18:26
2025	Nov	08	(Sat)	05:24	06:12	107	11:55	57S	17:37	253	18:26
2025	Nov	09	(Sun)	05:24	06:12	107	11:55	57S	17:37	252	18:25
2025	Nov	10	(Mon)	05:24	06:13	108	11:55	56S	17:36	252	18:25
2025	Nov	11	(Tue)	05:25	06:13	108	11:55	56S	17:36	252	18:25
2025	Nov	12	(Wed)	05:25	06:14	108	11:55	56S	17:36	252	18:25
2025	Nov	13	(Thu)	05:26	06:14	109	11:55	56S	17:36	251	18:25
2025	Nov	14	(Fri)	05:26	06:15	109	11:55	55S	17:36	251	18:24
2025	Nov	15	(Sat)	05:26	06:15	109	11:55	55S	17:35	251	18:24
2025	Nov	16	(Sun)	05:27	06:16	109	11:56	55S	17:35	251	18:24
2025	Nov	17	(Mon)	05:27	06:16	110	11:56	55S	17:35	250	18:24
2025	Nov	18	(Tue)	05:28	06:17	110	11:56	54S	17:35	250	18:24
2025	Nov	19	(Wed)	05:28	06:18	110	11:56	54S	17:35	250	18:24
2025	Nov	20	(Thu)	05:29	06:18	110	11:56	54S	17:35	250	18:24
2025	Nov	21	(Fri)	05:29	06:19	111	11:57	54S	17:35	249	18:24
2025	Nov	22	(Sat)	05:30	06:19	111	11:57	53S	17:35	249	18:24
2025	Nov	23	(Sun)	05:30	06:20	111	11:57	53S	17:35	249	18:24
2025	Nov	24	(Mon)	05:31	06:20	111	11:58	53S	17:35	249	18:24
2025	Nov	25	(Tue)	05:31	06:21	111	11:58	53S	17:35	248	18:24
2025	Nov	26	(Wed)	05:32	06:21	112	11:58	53S	17:35	248	18:24
2025	Nov	27	(Thu)	05:32	06:22	112	11:58	52S	17:35	248	18:25
2025	Nov	28	(Fri)	05:33	06:23	112	11:59	52S	17:35	248	18:25
2025	Nov	29	(Sat)	05:33	06:23	112	11:59	52S	17:35	248	18:25
2025	Nov	30	(Sun)	05:34	06:24	112	12:00	52S	17:35	247	18:25
2025	Dec	01	(Mon)	05:34	06:24	113	12:00	52S	17:35	247	18:25
2025	Dec	02	(Tue)	05:35	06:25	113	12:00	52S	17:35	247	18:26
2025	Dec	03	(Wed)	05:35	06:26	113	12:01	51S	17:36	247	18:26
2025	Dec	04	(Thu)	05:36	06:26	113	12:01	51S	17:36	247	18:26
2025	Dec	05	(Fri)	05:37	06:27	113	12:01	51S	17:36	247	18:26
2025	Dec	06	(Sat)	05:37	06:27	113	12:02	51S	17:36	247	18:27
2025	Dec	07	(Sun)	05:38	06:28	113	12:02	51S	17:37	247	18:27
2025	Dec	08	(Mon)	05:38	06:29	114	12:03	51S	17:37	246	18:27
2025	Dec	09	(Tue)	05:39	06:29	114	12:03	51S	17:37	246	18:28
2025	Dec	10	(Wed)	05:39	06:30	114	12:04	51S	17:37	246	18:28
2025	Dec	11	(Thu)	05:40	06:30	114	12:04	51S	17:38	246	18:28
2025	Dec	12	(Fri)	05:40	06:31	114	12:05	50S	17:38	246	18:29
2025	Dec	13	(Sat)	05:41	06:31	114	12:05	50S	17:39	246	18:29
2025	Dec	14	(Sun)	05:41	06:32	114	12:05	50S	17:39	246	18:30

2025	Dec 15	(Mon)	05:42	06:33	114	12:06	50S	17:39	246	18:30
2025	Dec 16	(Tue)	05:42	06:33	114	12:06	50S	17:40	246	18:30
2025	Dec 17	(Wed)	05:43	06:34	114	12:07	50S	17:40	246	18:31
2025	Dec 18	(Thu)	05:44	06:34	114	12:07	50S	17:41	246	18:31
2025	Dec 19	(Fri)	05:44	06:35	114	12:08	50S	17:41	246	18:32
2025	Dec 20	(Sat)	05:45	06:35	114	12:08	50S	17:42	246	18:32
2025	Dec 21	(Sun)	05:45	06:36	114	12:09	50S	17:42	246	18:33
2025	Dec 22	(Mon)	05:46	06:36	114	12:09	50S	17:43	246	18:33
2025	Dec 23	(Tue)	05:46	06:37	114	12:10	50S	17:43	246	18:34
2025	Dec 24	(Wed)	05:47	06:37	114	12:10	50S	17:44	246	18:34
2025	Dec 25	(Thu)	05:47	06:38	114	12:11	50S	17:44	246	18:35
2025	Dec 26	(Fri)	05:48	06:38	114	12:11	50S	17:45	246	18:35
2025	Dec 27	(Sat)	05:48	06:39	114	12:12	50S	17:45	246	18:36
2025	Dec 28	(Sun)	05:48	06:39	114	12:12	50S	17:46	246	18:36
2025	Dec 29	(Mon)	05:49	06:39	114	12:13	50S	17:46	246	18:37
2025	Dec 30	(Tue)	05:49	06:40	114	12:13	50S	17:47	246	18:38
2025	Dec 31	(Wed)	05:50	06:40	114	12:14	50S	17:48	246	18:38

Sun

Nong Bua Lam Phu

Location: E102°16'58.8", N17°09'50.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight		Rise	Az.	Transit Alt.		Set	Az.	End Civil Twilight	
	h	m	h	m	°	h	m	°	h	m
2025	Jan 01	(Wed)	06:17	06:41	114	12:14	51S	17:48	246	18:12
2025	Jan 02	(Thu)	06:17	06:41	114	12:15	51S	17:49	246	18:12
2025	Jan 03	(Fri)	06:18	06:41	114	12:15	51S	17:49	246	18:13
2025	Jan 04	(Sat)	06:18	06:42	114	12:16	51S	17:50	246	18:14
2025	Jan 05	(Sun)	06:18	06:42	113	12:16	51S	17:51	247	18:14
2025	Jan 06	(Mon)	06:19	06:42	113	12:17	51S	17:51	247	18:15
2025	Jan 07	(Tue)	06:19	06:42	113	12:17	51S	17:52	247	18:15
2025	Jan 08	(Wed)	06:19	06:43	113	12:18	51S	17:53	247	18:16
2025	Jan 09	(Thu)	06:20	06:43	113	12:18	51S	17:53	247	18:16
2025	Jan 10	(Fri)	06:20	06:43	113	12:18	52S	17:54	247	18:17
2025	Jan 11	(Sat)	06:20	06:43	113	12:19	52S	17:54	247	18:18
2025	Jan 12	(Sun)	06:20	06:43	112	12:19	52S	17:55	248	18:18
2025	Jan 13	(Mon)	06:20	06:44	112	12:20	52S	17:56	248	18:19
2025	Jan 14	(Tue)	06:21	06:44	112	12:20	52S	17:56	248	18:19
2025	Jan 15	(Wed)	06:21	06:44	112	12:20	52S	17:57	248	18:20
2025	Jan 16	(Thu)	06:21	06:44	112	12:21	53S	17:57	248	18:21
2025	Jan 17	(Fri)	06:21	06:44	111	12:21	53S	17:58	249	18:21
2025	Jan 18	(Sat)	06:21	06:44	111	12:21	53S	17:59	249	18:22
2025	Jan 19	(Sun)	06:21	06:44	111	12:22	53S	17:59	249	18:22
2025	Jan 20	(Mon)	06:21	06:44	111	12:22	53S	18:00	249	18:23
2025	Jan 21	(Tue)	06:21	06:44	111	12:22	54S	18:00	250	18:23
2025	Jan 22	(Wed)	06:21	06:44	110	12:22	54S	18:01	250	18:24
2025	Jan 23	(Thu)	06:21	06:44	110	12:23	54S	18:02	250	18:24
2025	Jan 24	(Fri)	06:21	06:44	110	12:23	54S	18:02	250	18:25
2025	Jan 25	(Sat)	06:21	06:44	110	12:23	55S	18:03	251	18:26
2025	Jan 26	(Sun)	06:21	06:44	109	12:23	55S	18:03	251	18:26
2025	Jan 27	(Mon)	06:21	06:44	109	12:24	55S	18:04	251	18:27
2025	Jan 28	(Tue)	06:21	06:43	109	12:24	55S	18:04	251	18:27
2025	Jan 29	(Wed)	06:20	06:43	109	12:24	56S	18:05	252	18:28
2025	Jan 30	(Thu)	06:20	06:43	108	12:24	56S	18:05	252	18:28
2025	Jan 31	(Fri)	06:20	06:43	108	12:24	56S	18:06	252	18:29
2025	Feb 01	(Sat)	06:20	06:43	108	12:24	57S	18:06	252	18:29
2025	Feb 02	(Sun)	06:20	06:42	107	12:25	57S	18:07	253	18:30
2025	Feb 03	(Mon)	06:19	06:42	107	12:25	57S	18:08	253	18:30
2025	Feb 04	(Tue)	06:19	06:42	107	12:25	57S	18:08	253	18:30
2025	Feb 05	(Wed)	06:19	06:41	106	12:25	58S	18:08	254	18:31
2025	Feb 06	(Thu)	06:19	06:41	106	12:25	58S	18:09	254	18:31
2025	Feb 07	(Fri)	06:18	06:41	106	12:25	58S	18:09	254	18:32
2025	Feb 08	(Sat)	06:18	06:40	105	12:25	59S	18:10	255	18:32
2025	Feb 09	(Sun)	06:18	06:40	105	12:25	59S	18:10	255	18:33
2025	Feb 10	(Mon)	06:17	06:40	105	12:25	59S	18:11	255	18:33
2025	Feb 11	(Tue)	06:17	06:39	104	12:25	60S	18:11	256	18:33

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

2025	Apr	25	(Fri)	05:26	05:49	76	12:09	87S	18:29	284	18:52
2025	Apr	26	(Sat)	05:26	05:48	76	12:09	87S	18:29	285	18:52
2025	Apr	27	(Sun)	05:25	05:48	75	12:09	87S	18:30	285	18:52
2025	Apr	28	(Mon)	05:24	05:47	75	12:08	88S	18:30	285	18:53
2025	Apr	29	(Tue)	05:24	05:46	75	12:08	88S	18:30	286	18:53
2025	Apr	30	(Wed)	05:23	05:46	74	12:08	88S	18:31	286	18:53
2025	May	01	(Thu)	05:23	05:45	74	12:08	89S	18:31	286	18:53
2025	May	02	(Fri)	05:22	05:45	74	12:08	89S	18:31	287	18:54
2025	May	03	(Sat)	05:22	05:44	73	12:08	89S	18:31	287	18:54
2025	May	04	(Sun)	05:21	05:44	73	12:08	90S	18:32	287	18:55
2025	May	05	(Mon)	05:21	05:43	73	12:08	90S	18:32	287	18:55
2025	May	06	(Tue)	05:20	05:43	72	12:07	90S	18:32	288	18:55
2025	May	07	(Wed)	05:20	05:42	72	12:07	90S	18:33	288	18:56
2025	May	08	(Thu)	05:19	05:42	72	12:07	91S	18:33	288	18:56
2025	May	09	(Fri)	05:19	05:42	72	12:07	90N	18:33	289	18:56
2025	May	10	(Sat)	05:18	05:41	71	12:07	90N	18:34	289	18:57
2025	May	11	(Sun)	05:18	05:41	71	12:07	90N	18:34	289	18:57
2025	May	12	(Mon)	05:17	05:40	71	12:07	90N	18:34	289	18:57
2025	May	13	(Tue)	05:17	05:40	70	12:07	89N	18:35	290	18:58
2025	May	14	(Wed)	05:16	05:40	70	12:07	89N	18:35	290	18:58
2025	May	15	(Thu)	05:16	05:39	70	12:07	89N	18:35	290	18:59
2025	May	16	(Fri)	05:16	05:39	70	12:07	89N	18:36	290	18:59
2025	May	17	(Sat)	05:15	05:39	69	12:07	88N	18:36	291	18:59
2025	May	18	(Sun)	05:15	05:38	69	12:07	88N	18:36	291	19:00
2025	May	19	(Mon)	05:15	05:38	69	12:07	88N	18:37	291	19:00
2025	May	20	(Tue)	05:15	05:38	69	12:07	88N	18:37	291	19:00
2025	May	21	(Wed)	05:14	05:38	69	12:07	88N	18:37	292	19:01
2025	May	22	(Thu)	05:14	05:37	68	12:08	87N	18:38	292	19:01
2025	May	23	(Fri)	05:14	05:37	68	12:08	87N	18:38	292	19:02
2025	May	24	(Sat)	05:14	05:37	68	12:08	87N	18:39	292	19:02
2025	May	25	(Sun)	05:13	05:37	68	12:08	87N	18:39	292	19:02
2025	May	26	(Mon)	05:13	05:37	68	12:08	87N	18:39	293	19:03
2025	May	27	(Tue)	05:13	05:37	67	12:08	87N	18:40	293	19:03
2025	May	28	(Wed)	05:13	05:36	67	12:08	86N	18:40	293	19:04
2025	May	29	(Thu)	05:13	05:36	67	12:08	86N	18:40	293	19:04
2025	May	30	(Fri)	05:13	05:36	67	12:08	86N	18:41	293	19:04
2025	May	31	(Sat)	05:12	05:36	67	12:09	86N	18:41	293	19:05
2025	Jun	01	(Sun)	05:12	05:36	67	12:09	86N	18:41	293	19:05
2025	Jun	02	(Mon)	05:12	05:36	66	12:09	86N	18:42	294	19:06
2025	Jun	03	(Tue)	05:12	05:36	66	12:09	86N	18:42	294	19:06
2025	Jun	04	(Wed)	05:12	05:36	66	12:09	85N	18:42	294	19:06
2025	Jun	05	(Thu)	05:12	05:36	66	12:09	85N	18:43	294	19:07
2025	Jun	06	(Fri)	05:12	05:36	66	12:10	85N	18:43	294	19:07
2025	Jun	07	(Sat)	05:12	05:36	66	12:10	85N	18:43	294	19:07
2025	Jun	08	(Sun)	05:12	05:36	66	12:10	85N	18:44	294	19:08
2025	Jun	09	(Mon)	05:12	05:36	66	12:10	85N	18:44	294	19:08
2025	Jun	10	(Tue)	05:12	05:36	66	12:10	85N	18:44	294	19:08
2025	Jun	11	(Wed)	05:12	05:36	65	12:11	85N	18:45	295	19:09
2025	Jun	12	(Thu)	05:13	05:37	65	12:11	85N	18:45	295	19:09
2025	Jun	13	(Fri)	05:13	05:37	65	12:11	85N	18:45	295	19:09
2025	Jun	14	(Sat)	05:13	05:37	65	12:11	85N	18:46	295	19:10
2025	Jun	15	(Sun)	05:13	05:37	65	12:11	85N	18:46	295	19:10
2025	Jun	16	(Mon)	05:13	05:37	65	12:12	85N	18:46	295	19:10
2025	Jun	17	(Tue)	05:13	05:37	65	12:12	84N	18:46	295	19:10
2025	Jun	18	(Wed)	05:13	05:37	65	12:12	84N	18:47	295	19:11
2025	Jun	19	(Thu)	05:14	05:38	65	12:12	84N	18:47	295	19:11
2025	Jun	20	(Fri)	05:14	05:38	65	12:12	84N	18:47	295	19:11
2025	Jun	21	(Sat)	05:14	05:38	65	12:13	84N	18:47	295	19:11
2025	Jun	22	(Sun)	05:14	05:38	65	12:13	84N	18:48	295	19:12
2025	Jun	23	(Mon)	05:14	05:38	65	12:13	84N	18:48	295	19:12
2025	Jun	24	(Tue)	05:15	05:39	65	12:13	84N	18:48	295	19:12
2025	Jun	25	(Wed)	05:15	05:39	65	12:14	84N	18:48	295	19:12
2025	Jun	26	(Thu)	05:15	05:39	65	12:14	85N	18:48	295	19:12
2025	Jun	27	(Fri)	05:15	05:40	65	12:14	85N	18:48	295	19:12
2025	Jun	28	(Sat)	05:16	05:40	65	12:14	85N	18:49	295	19:13
2025	Jun	29	(Sun)	05:16	05:40	65	12:14	85N	18:49	295	19:13
2025	Jun	30	(Mon)	05:16	05:40	65	12:15	85N	18:49	295	19:13
2025	Jul	01	(Tue)	05:17	05:41	65	12:15	85N	18:49	294	19:13
2025	Jul	02	(Wed)	05:17	05:41	66	12:15	85N	18:49	294	19:13
2025	Jul	03	(Thu)	05:17	05:41	66	12:15	85N	18:49	294	19:13
2025	Jul	04	(Fri)	05:18	05:42	66	12:15	85N	18:49	294	19:13
2025	Jul	05	(Sat)	05:18	05:42	66	12:16	85N	18:49	294	19:13

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

2025 Sep 16 (Tue)	05:37	05:59	87	12:06	76S	18:12	273	18:34
2025 Sep 17 (Wed)	05:38	05:59	87	12:05	76S	18:11	272	18:33
2025 Sep 18 (Thu)	05:38	05:59	88	12:05	75S	18:10	272	18:32
2025 Sep 19 (Fri)	05:38	05:59	88	12:05	75S	18:10	272	18:31
2025 Sep 20 (Sat)	05:38	06:00	89	12:04	75S	18:09	271	18:30
2025 Sep 21 (Sun)	05:38	06:00	89	12:04	74S	18:08	271	18:30
2025 Sep 22 (Mon)	05:38	06:00	89	12:04	74S	18:07	270	18:29
2025 Sep 23 (Tue)	05:38	06:00	90	12:03	73S	18:06	270	18:28
2025 Sep 24 (Wed)	05:38	06:00	90	12:03	73S	18:05	270	18:27
2025 Sep 25 (Thu)	05:39	06:00	91	12:03	73S	18:05	269	18:26
2025 Sep 26 (Fri)	05:39	06:00	91	12:02	72S	18:04	269	18:25
2025 Sep 27 (Sat)	05:39	06:01	91	12:02	72S	18:03	268	18:25
2025 Sep 28 (Sun)	05:39	06:01	92	12:02	71S	18:02	268	18:24
2025 Sep 29 (Mon)	05:39	06:01	92	12:01	71S	18:01	268	18:23
2025 Sep 30 (Tue)	05:39	06:01	93	12:01	71S	18:01	267	18:22
2025 Oct 01 (Wed)	05:39	06:01	93	12:01	70S	18:00	267	18:21
2025 Oct 02 (Thu)	05:40	06:01	93	12:00	70S	17:59	266	18:21
2025 Oct 03 (Fri)	05:40	06:01	94	12:00	69S	17:58	266	18:20
2025 Oct 04 (Sat)	05:40	06:02	94	12:00	69S	17:57	266	18:19
2025 Oct 05 (Sun)	05:40	06:02	95	11:59	69S	17:57	265	18:18
2025 Oct 06 (Mon)	05:40	06:02	95	11:59	68S	17:56	265	18:18
2025 Oct 07 (Tue)	05:40	06:02	96	11:59	68S	17:55	264	18:17
2025 Oct 08 (Wed)	05:41	06:02	96	11:58	68S	17:54	264	18:16
2025 Oct 09 (Thu)	05:41	06:02	96	11:58	67S	17:54	264	18:15
2025 Oct 10 (Fri)	05:41	06:03	97	11:58	67S	17:53	263	18:15
2025 Oct 11 (Sat)	05:41	06:03	97	11:58	66S	17:52	263	18:14
2025 Oct 12 (Sun)	05:41	06:03	97	11:57	66S	17:51	262	18:13
2025 Oct 13 (Mon)	05:42	06:03	98	11:57	66S	17:51	262	18:12
2025 Oct 14 (Tue)	05:42	06:04	98	11:57	65S	17:50	262	18:12
2025 Oct 15 (Wed)	05:42	06:04	99	11:57	65S	17:49	261	18:11
2025 Oct 16 (Thu)	05:42	06:04	99	11:56	65S	17:49	261	18:10
2025 Oct 17 (Fri)	05:42	06:04	99	11:56	64S	17:48	260	18:10
2025 Oct 18 (Sat)	05:43	06:05	100	11:56	64S	17:47	260	18:09
2025 Oct 19 (Sun)	05:43	06:05	100	11:56	63S	17:47	260	18:09
2025 Oct 20 (Mon)	05:43	06:05	101	11:56	63S	17:46	259	18:08
2025 Oct 21 (Tue)	05:43	06:05	101	11:56	63S	17:45	259	18:07
2025 Oct 22 (Wed)	05:44	06:06	101	11:55	62S	17:45	259	18:07
2025 Oct 23 (Thu)	05:44	06:06	102	11:55	62S	17:44	258	18:06
2025 Oct 24 (Fri)	05:44	06:06	102	11:55	62S	17:44	258	18:06
2025 Oct 25 (Sat)	05:45	06:07	102	11:55	61S	17:43	257	18:05
2025 Oct 26 (Sun)	05:45	06:07	103	11:55	61S	17:43	257	18:05
2025 Oct 27 (Mon)	05:45	06:07	103	11:55	61S	17:42	257	18:04
2025 Oct 28 (Tue)	05:45	06:08	103	11:55	60S	17:42	256	18:04
2025 Oct 29 (Wed)	05:46	06:08	104	11:55	60S	17:41	256	18:03
2025 Oct 30 (Thu)	05:46	06:08	104	11:55	60S	17:41	256	18:03
2025 Oct 31 (Fri)	05:46	06:09	105	11:55	59S	17:40	255	18:02
2025 Nov 01 (Sat)	05:47	06:09	105	11:54	59S	17:40	255	18:02
2025 Nov 02 (Sun)	05:47	06:09	105	11:54	59S	17:39	255	18:02
2025 Nov 03 (Mon)	05:48	06:10	106	11:54	58S	17:39	254	18:01
2025 Nov 04 (Tue)	05:48	06:10	106	11:54	58S	17:38	254	18:01
2025 Nov 05 (Wed)	05:48	06:11	106	11:54	58S	17:38	254	18:00
2025 Nov 06 (Thu)	05:49	06:11	106	11:55	57S	17:38	253	18:00
2025 Nov 07 (Fri)	05:49	06:12	107	11:55	57S	17:37	253	18:00
2025 Nov 08 (Sat)	05:50	06:12	107	11:55	57S	17:37	253	18:00
2025 Nov 09 (Sun)	05:50	06:12	107	11:55	57S	17:37	252	17:59
2025 Nov 10 (Mon)	05:50	06:13	108	11:55	56S	17:36	252	17:59
2025 Nov 11 (Tue)	05:51	06:13	108	11:55	56S	17:36	252	17:59
2025 Nov 12 (Wed)	05:51	06:14	108	11:55	56S	17:36	252	17:59
2025 Nov 13 (Thu)	05:52	06:14	109	11:55	56S	17:36	251	17:58
2025 Nov 14 (Fri)	05:52	06:15	109	11:55	55S	17:36	251	17:58
2025 Nov 15 (Sat)	05:53	06:15	109	11:55	55S	17:35	251	17:58
2025 Nov 16 (Sun)	05:53	06:16	109	11:56	55S	17:35	251	17:58
2025 Nov 17 (Mon)	05:54	06:16	110	11:56	55S	17:35	250	17:58
2025 Nov 18 (Tue)	05:54	06:17	110	11:56	54S	17:35	250	17:58
2025 Nov 19 (Wed)	05:55	06:18	110	11:56	54S	17:35	250	17:58
2025 Nov 20 (Thu)	05:55	06:18	110	11:56	54S	17:35	250	17:58
2025 Nov 21 (Fri)	05:56	06:19	111	11:57	54S	17:35	249	17:58
2025 Nov 22 (Sat)	05:56	06:19	111	11:57	53S	17:35	249	17:58
2025 Nov 23 (Sun)	05:57	06:20	111	11:57	53S	17:35	249	17:58
2025 Nov 24 (Mon)	05:57	06:20	111	11:58	53S	17:35	249	17:58
2025 Nov 25 (Tue)	05:58	06:21	111	11:58	53S	17:35	248	17:58
2025 Nov 26 (Wed)	05:58	06:21	112	11:58	53S	17:35	248	17:58

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

Moon

Nong Bua Lam Phu
Location: E102°16'58.8", N17°09'50.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Rise	Az.	Transit Alt.			Set	Az.		
				h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	07:51	117		13:29	48S		19:09	245	
2025	Jan	02	(Thu)	08:40	113		14:23	52S		20:09	249	
2025	Jan	03	(Fri)	09:25	108		15:15	57S		21:08	255	
2025	Jan	04	(Sat)	10:06	101		16:04	64S		22:05	262	
2025	Jan	05	(Sun)	10:45	95		16:51	71S		23:01	269	
2025	Jan	06	(Mon)	11:24	87		17:38	78S		23:57	276	
2025	Jan	07	(Tue)	12:03	80		18:26	84S				
2025	Jan	08	(Wed)	12:44	74		19:17	91N		00:55	283	
2025	Jan	09	(Thu)	13:30	68		20:12	85N		01:55	290	
2025	Jan	10	(Fri)	14:21	63		21:10	82N		02:57	295	
2025	Jan	11	(Sat)	15:17	61		22:11	79N		04:02	298	
2025	Jan	12	(Sun)	16:17	60		23:12	79N		05:05	300	
2025	Jan	13	(Mon)	17:20	62					06:06	299	
2025	Jan	14	(Tue)	18:21	65		00:11	81N		07:00	297	
2025	Jan	15	(Wed)	19:19	69		01:06	85N		07:48	293	
2025	Jan	16	(Thu)	20:13	75		01:57	89N		08:31	288	
2025	Jan	17	(Fri)	21:04	81		02:43	87S		09:08	282	
2025	Jan	18	(Sat)	21:52	87		03:25	81S		09:42	276	
2025	Jan	19	(Sun)	22:39	93		04:05	75S		10:15	270	
2025	Jan	20	(Mon)	23:26	99		04:45	69S		10:47	264	
2025	Jan	21	(Tue)				05:24	63S		11:19	258	
2025	Jan	22	(Wed)	00:13	105		06:05	58S		11:54	253	
2025	Jan	23	(Thu)	01:03	110		06:48	53S		12:31	248	
2025	Jan	24	(Fri)	01:55	114		07:35	49S		13:13	244	
2025	Jan	25	(Sat)	02:50	118		08:26	46S		14:01	241	

2025	Jan	26	(Sun)	03:47	120	09:21	44S	14:54	240
2025	Jan	27	(Mon)	04:44	120	10:18	45S	15:52	241
2025	Jan	28	(Tue)	05:39	118	11:16	46S	16:54	243
2025	Jan	29	(Wed)	06:31	115	12:12	50S	17:56	247
2025	Jan	30	(Thu)	07:19	110	13:06	55S	18:57	253
2025	Jan	31	(Fri)	08:03	104	13:58	61S	19:56	259
2025	Feb	01	(Sat)	08:44	97	14:47	68S	20:54	267
2025	Feb	02	(Sun)	09:23	90	15:35	76S	21:52	274
2025	Feb	03	(Mon)	10:03	82	16:24	83S	22:50	281
2025	Feb	04	(Tue)	10:44	75	17:14	89S	23:49	288
2025	Feb	05	(Wed)	11:28	69	18:07	87N		
2025	Feb	06	(Thu)	12:16	64	19:04	82N	00:51	294
2025	Feb	07	(Fri)	13:10	61	20:03	80N	01:54	298
2025	Feb	08	(Sat)	14:08	60	21:03	79N	02:57	300
2025	Feb	09	(Sun)	15:09	61	22:02	80N	03:57	300
2025	Feb	10	(Mon)	16:09	63	22:57	83N	04:53	298
2025	Feb	11	(Tue)	17:08	67	23:49	87N	05:42	295
2025	Feb	12	(Wed)	18:03	72			06:26	290
2025	Feb	13	(Thu)	18:55	78	00:36	89S	07:05	285
2025	Feb	14	(Fri)	19:44	84	01:19	83S	07:40	279
2025	Feb	15	(Sat)	20:32	91	02:01	77S	08:13	272
2025	Feb	16	(Sun)	21:19	97	02:40	71S	08:45	266
2025	Feb	17	(Mon)	22:06	103	03:20	65S	09:17	260
2025	Feb	18	(Tue)	22:55	108	04:00	60S	09:51	255
2025	Feb	19	(Wed)	23:45	113	04:42	55S	10:27	250
2025	Feb	20	(Thu)			05:27	50S	11:07	245
2025	Feb	21	(Fri)	00:38	117	06:16	47S	11:51	242
2025	Feb	22	(Sat)	01:34	119	07:08	45S	12:41	240
2025	Feb	23	(Sun)	02:30	120	08:03	44S	13:36	240
2025	Feb	24	(Mon)	03:25	119	09:00	45S	14:35	241
2025	Feb	25	(Tue)	04:18	117	09:56	48S	15:37	245
2025	Feb	26	(Wed)	05:08	113	10:51	52S	16:39	250
2025	Feb	27	(Thu)	05:54	107	11:45	58S	17:40	256
2025	Feb	28	(Fri)	06:36	100	12:36	65S	18:39	263
2025	Mar	01	(Sat)	07:17	93	13:26	72S	19:39	271
2025	Mar	02	(Sun)	07:58	85	14:16	80S	20:39	279
2025	Mar	03	(Mon)	08:40	78	15:07	87S	21:40	286
2025	Mar	04	(Tue)	09:24	71	16:01	88N	22:43	292
2025	Mar	05	(Wed)	10:13	66	16:58	83N	23:47	297
2025	Mar	06	(Thu)	11:06	62	17:57	80N		
2025	Mar	07	(Fri)	12:03	60	18:57	79N	00:51	299
2025	Mar	08	(Sat)	13:03	60	19:57	80N	01:52	300
2025	Mar	09	(Sun)	14:03	62	20:53	82N	02:49	299
2025	Mar	10	(Mon)	15:01	66	21:45	86N	03:40	296
2025	Mar	11	(Tue)	15:57	71	22:32	91N	04:24	292
2025	Mar	12	(Wed)	16:49	76	23:16	85S	05:04	287
2025	Mar	13	(Thu)	17:38	82	23:58	79S	05:40	281
2025	Mar	14	(Fri)	18:26	88			06:13	275
2025	Mar	15	(Sat)	19:13	95	00:38	73S	06:45	269
2025	Mar	16	(Sun)	20:00	101	01:17	67S	07:17	262
2025	Mar	17	(Mon)	20:48	106	01:57	62S	07:50	257
2025	Mar	18	(Tue)	21:38	111	02:38	56S	08:25	251
2025	Mar	19	(Wed)	22:30	115	03:22	52S	09:03	247
2025	Mar	20	(Thu)	23:24	118	04:09	48S	09:46	243
2025	Mar	21	(Fri)			04:59	45S	10:33	241
2025	Mar	22	(Sat)	00:19	120	05:52	44S	11:24	240
2025	Mar	23	(Sun)	01:14	120	06:47	45S	12:21	240
2025	Mar	24	(Mon)	02:06	118	07:42	46S	13:20	243
2025	Mar	25	(Tue)	02:56	115	08:36	50S	14:20	247
2025	Mar	26	(Wed)	03:43	110	09:29	55S	15:20	253
2025	Mar	27	(Thu)	04:26	104	10:21	61S	16:20	259
2025	Mar	28	(Fri)	05:08	97	11:11	68S	17:19	267
2025	Mar	29	(Sat)	05:49	89	12:02	76S	18:20	275
2025	Mar	30	(Sun)	06:30	81	12:54	84S	19:22	282
2025	Mar	31	(Mon)	07:15	74	13:48	90S	20:26	289
2025	Apr	01	(Tue)	08:03	68	14:46	85N	21:32	295
2025	Apr	02	(Wed)	08:56	63	15:46	81N	22:39	299
2025	Apr	03	(Thu)	09:54	61	16:49	79N	23:44	300
2025	Apr	04	(Fri)	10:55	60	17:50	79N		
2025	Apr	05	(Sat)	11:57	61	18:48	81N	00:44	299
2025	Apr	06	(Sun)	12:56	65	19:42	85N	01:37	297
2025	Apr	07	(Mon)	13:53	69	20:31	89N	02:24	293

2025 Apr 08 (Tue)	14:45 74	21:16 87S	03:05 288
2025 Apr 09 (Wed)	15:35 80	21:57 81S	03:41 283
2025 Apr 10 (Thu)	16:23 86	22:37 75S	04:15 277
2025 Apr 11 (Fri)	17:10 93	23:16 69S	04:47 271
2025 Apr 12 (Sat)	17:57 99	23:56 64S	05:19 264
2025 Apr 13 (Sun)	18:44 104		05:52 259
2025 Apr 14 (Mon)	19:34 110	00:37 58S	06:26 253
2025 Apr 15 (Tue)	20:25 114	01:20 53S	07:03 248
2025 Apr 16 (Wed)	21:18 117	02:05 49S	07:43 244
2025 Apr 17 (Thu)	22:12 120	02:54 46S	08:29 241
2025 Apr 18 (Fri)	23:07 120	03:46 45S	09:18 240
2025 Apr 19 (Sat)	23:59 119	04:39 44S	10:12 240
2025 Apr 20 (Sun)		05:33 46S	11:09 242
2025 Apr 21 (Mon)	00:49 116	06:27 49S	12:07 245
2025 Apr 22 (Tue)	01:35 112	07:19 53S	13:05 250
2025 Apr 23 (Wed)	02:18 107	08:09 58S	14:03 256
2025 Apr 24 (Thu)	02:59 100	08:58 65S	15:01 263
2025 Apr 25 (Fri)	03:39 93	09:47 72S	16:00 271
2025 Apr 26 (Sat)	04:20 85	10:37 80S	17:00 278
2025 Apr 27 (Sun)	05:02 78	11:30 87S	18:03 286
2025 Apr 28 (Mon)	05:49 71	12:27 88N	19:09 292
2025 Apr 29 (Tue)	06:41 65	13:28 83N	20:18 297
2025 Apr 30 (Wed)	07:38 62	14:32 80N	21:27 300
2025 May 01 (Thu)	08:40 60	15:36 79N	22:31 300
2025 May 02 (Fri)	09:44 61	16:38 80N	23:29 298
2025 May 03 (Sat)	10:47 63	17:35 83N	
2025 May 04 (Sun)	11:46 67	18:27 88N	00:20 295
2025 May 05 (Mon)	12:41 73	19:14 89S	01:04 290
2025 May 06 (Tue)	13:32 78	19:57 83S	01:42 284
2025 May 07 (Wed)	14:21 84	20:37 77S	02:17 279
2025 May 08 (Thu)	15:08 91	21:16 71S	02:50 272
2025 May 09 (Fri)	15:54 97	21:55 65S	03:21 266
2025 May 10 (Sat)	16:41 103	22:36 60S	03:53 260
2025 May 11 (Sun)	17:30 108	23:18 55S	04:27 255
2025 May 12 (Mon)	18:20 113		05:03 250
2025 May 13 (Tue)	19:13 116	00:03 51S	05:43 246
2025 May 14 (Wed)	20:08 119	00:51 47S	06:26 242
2025 May 15 (Thu)	21:02 120	01:42 45S	07:15 240
2025 May 16 (Fri)	21:55 119	02:35 44S	08:08 240
2025 May 17 (Sat)	22:45 117	03:29 45S	09:04 241
2025 May 18 (Sun)	23:32 114	04:22 48S	10:01 244
2025 May 19 (Mon)		05:13 51S	10:58 248
2025 May 20 (Tue)	00:15 109	06:03 56S	11:54 254
2025 May 21 (Wed)	00:55 103	06:50 62S	12:50 260
2025 May 22 (Thu)	01:34 96	07:38 69S	13:46 268
2025 May 23 (Fri)	02:13 89	08:25 76S	14:43 275
2025 May 24 (Sat)	02:53 81	09:15 83S	15:43 282
2025 May 25 (Sun)	03:36 74	10:09 90S	16:47 289
2025 May 26 (Mon)	04:25 68	11:07 86N	17:54 295
2025 May 27 (Tue)	05:19 63	12:10 81N	19:03 298
2025 May 28 (Wed)	06:20 61	13:15 79N	20:11 300
2025 May 29 (Thu)	07:25 60	14:20 80N	21:14 299
2025 May 30 (Fri)	08:30 62	15:22 82N	22:10 296
2025 May 31 (Sat)	09:33 66	16:17 86N	22:58 292
2025 Jun 01 (Sun)	10:32 71	17:08 91S	23:39 286
2025 Jun 02 (Mon)	11:25 76	17:53 85S	
2025 Jun 03 (Tue)	12:16 82	18:35 79S	00:16 281
2025 Jun 04 (Wed)	13:04 89	19:15 73S	00:50 274
2025 Jun 05 (Thu)	13:50 95	19:54 67S	01:22 268
2025 Jun 06 (Fri)	14:37 101	20:34 62S	01:54 262
2025 Jun 07 (Sat)	15:25 106	21:15 56S	02:27 257
2025 Jun 08 (Sun)	16:15 111	21:59 52S	03:02 251
2025 Jun 09 (Mon)	17:08 115	22:47 48S	03:41 247
2025 Jun 10 (Tue)	18:02 118	23:37 46S	04:24 243
2025 Jun 11 (Wed)	18:57 120		05:11 241
2025 Jun 12 (Thu)	19:51 120	00:30 45S	06:03 240
2025 Jun 13 (Fri)	20:42 118	01:24 45S	06:59 241
2025 Jun 14 (Sat)	21:30 115	02:18 47S	07:56 243
2025 Jun 15 (Sun)	22:14 110	03:10 50S	08:53 247
2025 Jun 16 (Mon)	22:55 104	04:00 55S	09:50 252
2025 Jun 17 (Tue)	23:33 98	04:48 61S	10:45 259
2025 Jun 18 (Wed)		05:34 67S	11:39 265

2025 Jun 19 (Thu)	00:11 91	06:20 74S	12:35 272
2025 Jun 20 (Fri)	00:49 84	07:08 81S	13:31 280
2025 Jun 21 (Sat)	01:30 77	07:58 88S	14:31 286
2025 Jun 22 (Sun)	02:14 71	08:52 88N	15:35 292
2025 Jun 23 (Mon)	03:05 65	09:51 83N	16:42 297
2025 Jun 24 (Tue)	04:02 62	10:55 80N	17:50 299
2025 Jun 25 (Wed)	05:04 60	12:00 79N	18:55 300
2025 Jun 26 (Thu)	06:10 61	13:04 81N	19:55 298
2025 Jun 27 (Fri)	07:15 64	14:03 84N	20:47 294
2025 Jun 28 (Sat)	08:17 68	14:57 89N	21:32 289
2025 Jun 29 (Sun)	09:14 74	15:45 87S	22:12 283
2025 Jun 30 (Mon)	10:07 80	16:29 81S	22:48 277
2025 Jul 01 (Tue)	10:57 86	17:11 75S	23:21 270
2025 Jul 02 (Wed)	11:45 93	17:51 69S	23:54 264
2025 Jul 03 (Thu)	12:32 99	18:31 63S	
2025 Jul 04 (Fri)	13:20 104	19:12 58S	00:26 258
2025 Jul 05 (Sat)	14:09 110	19:55 53S	01:01 253
2025 Jul 06 (Sun)	15:00 114	20:41 49S	01:38 248
2025 Jul 07 (Mon)	15:54 117	21:30 46S	02:19 244
2025 Jul 08 (Tue)	16:49 119	22:22 45S	03:05 242
2025 Jul 09 (Wed)	17:44 120	23:17 45S	03:56 240
2025 Jul 10 (Thu)	18:37 119		04:51 240
2025 Jul 11 (Fri)	19:26 116	00:12 46S	05:48 242
2025 Jul 12 (Sat)	20:12 112	01:05 49S	06:47 246
2025 Jul 13 (Sun)	20:54 106	01:57 53S	07:44 251
2025 Jul 14 (Mon)	21:34 100	02:46 59S	08:41 257
2025 Jul 15 (Tue)	22:12 93	03:33 65S	09:36 263
2025 Jul 16 (Wed)	22:49 86	04:19 72S	10:30 271
2025 Jul 17 (Thu)	23:28 79	05:05 79S	11:26 278
2025 Jul 18 (Fri)		05:54 86S	12:24 285
2025 Jul 19 (Sat)	00:11 72	06:45 90N	13:25 291
2025 Jul 20 (Sun)	00:58 67	07:41 84N	14:28 296
2025 Jul 21 (Mon)	01:50 63	08:41 81N	15:34 299
2025 Jul 22 (Tue)	02:49 60	09:44 79N	16:40 300
2025 Jul 23 (Wed)	03:53 60	10:48 80N	17:41 299
2025 Jul 24 (Thu)	04:57 62	11:48 82N	18:36 296
2025 Jul 25 (Fri)	06:01 66	12:44 86N	19:24 291
2025 Jul 26 (Sat)	07:00 71	13:35 90S	20:06 286
2025 Jul 27 (Sun)	07:55 77	14:22 84S	20:44 279
2025 Jul 28 (Mon)	08:47 84	15:05 78S	21:18 273
2025 Jul 29 (Tue)	09:36 90	15:46 72S	21:51 267
2025 Jul 30 (Wed)	10:24 96	16:26 66S	22:24 261
2025 Jul 31 (Thu)	11:12 102	17:07 60S	22:58 255
2025 Aug 01 (Fri)	12:01 108	17:49 55S	23:34 250
2025 Aug 02 (Sat)	12:52 113	18:34 51S	
2025 Aug 03 (Sun)	13:44 116	19:22 47S	00:14 246
2025 Aug 04 (Mon)	14:39 119	20:13 45S	00:58 242
2025 Aug 05 (Tue)	15:33 120	21:06 44S	01:46 240
2025 Aug 06 (Wed)	16:27 119	22:01 45S	02:39 240
2025 Aug 07 (Thu)	17:19 117	22:56 48S	03:36 241
2025 Aug 08 (Fri)	18:07 114	23:49 52S	04:35 244
2025 Aug 09 (Sat)	18:51 108		05:34 249
2025 Aug 10 (Sun)	19:32 102	00:40 57S	06:32 254
2025 Aug 11 (Mon)	20:11 95	01:28 63S	07:29 261
2025 Aug 12 (Tue)	20:49 88	02:16 70S	08:25 268
2025 Aug 13 (Wed)	21:28 81	03:03 77S	09:21 276
2025 Aug 14 (Thu)	22:10 74	03:51 84S	10:19 283
2025 Aug 15 (Fri)	22:55 68	04:42 90S	11:19 289
2025 Aug 16 (Sat)	23:46 64	05:36 86N	12:21 294
2025 Aug 17 (Sun)		06:34 82N	13:26 298
2025 Aug 18 (Mon)	00:42 61	07:35 79N	14:30 300
2025 Aug 19 (Tue)	01:42 60	08:37 79N	15:32 300
2025 Aug 20 (Wed)	02:45 61	09:38 81N	16:28 297
2025 Aug 21 (Thu)	03:48 64	10:35 84N	17:17 293
2025 Aug 22 (Fri)	04:48 69	11:27 89N	18:01 288
2025 Aug 23 (Sat)	05:44 75	12:14 87S	18:40 282
2025 Aug 24 (Sun)	06:37 81	12:58 80S	19:16 276
2025 Aug 25 (Mon)	07:27 87	13:40 74S	19:49 269
2025 Aug 26 (Tue)	08:16 94	14:21 68S	20:22 263
2025 Aug 27 (Wed)	09:04 100	15:02 62S	20:56 257
2025 Aug 28 (Thu)	09:53 106	15:44 57S	21:31 252
2025 Aug 29 (Fri)	10:43 111	16:28 52S	22:09 247

2025 Aug 30 (Sat)	11:35 115	17:14 48S	22:51 243
2025 Aug 31 (Sun)	12:28 118	18:03 46S	23:37 241
2025 Sep 01 (Mon)	13:22 120	18:55 44S	
2025 Sep 02 (Tue)	14:16 120	19:49 45S	00:28 240
2025 Sep 03 (Wed)	15:08 119	20:43 46S	01:23 240
2025 Sep 04 (Thu)	15:57 115	21:37 50S	02:20 243
2025 Sep 05 (Fri)	16:43 111	22:28 54S	03:19 246
2025 Sep 06 (Sat)	17:26 105	23:18 60S	04:17 252
2025 Sep 07 (Sun)	18:06 98		05:15 258
2025 Sep 08 (Mon)	18:45 91	00:07 67S	06:13 265
2025 Sep 09 (Tue)	19:25 84	00:56 74S	07:10 273
2025 Sep 10 (Wed)	20:07 76	01:45 81S	08:09 280
2025 Sep 11 (Thu)	20:52 70	02:36 88S	09:10 287
2025 Sep 12 (Fri)	21:42 65	03:30 87N	10:14 293
2025 Sep 13 (Sat)	22:37 61	04:29 83N	11:19 297
2025 Sep 14 (Sun)	23:36 60	05:29 80N	12:24 300
2025 Sep 15 (Mon)		06:32 79N	13:26 300
2025 Sep 16 (Tue)	00:39 61	07:32 80N	14:24 298
2025 Sep 17 (Wed)	01:41 63	08:29 83N	15:14 295
2025 Sep 18 (Thu)	02:41 67	09:22 87N	15:59 290
2025 Sep 19 (Fri)	03:37 73	10:10 89S	16:39 284
2025 Sep 20 (Sat)	04:30 79	10:55 83S	17:15 278
2025 Sep 21 (Sun)	05:21 85	11:37 77S	17:49 272
2025 Sep 22 (Mon)	06:10 91	12:18 70S	18:22 265
2025 Sep 23 (Tue)	06:58 98	12:58 64S	18:55 259
2025 Sep 24 (Wed)	07:46 104	13:40 59S	19:30 254
2025 Sep 25 (Thu)	08:36 109	14:23 54S	20:06 249
2025 Sep 26 (Fri)	09:27 114	15:08 50S	20:47 245
2025 Sep 27 (Sat)	10:19 117	15:56 47S	21:31 242
2025 Sep 28 (Sun)	11:13 119	16:46 45S	22:19 240
2025 Sep 29 (Mon)	12:06 120	17:39 44S	23:12 240
2025 Sep 30 (Tue)	12:58 119	18:32 45S	
2025 Oct 01 (Wed)	13:47 117	19:24 48S	00:07 241
2025 Oct 02 (Thu)	14:34 113	20:16 52S	01:04 245
2025 Oct 03 (Fri)	15:17 108	21:06 57S	02:01 249
2025 Oct 04 (Sat)	15:58 102	21:55 63S	02:58 255
2025 Oct 05 (Sun)	16:37 95	22:43 70S	03:56 261
2025 Oct 06 (Mon)	17:17 87	23:32 78S	04:53 269
2025 Oct 07 (Tue)	17:59 80		05:52 277
2025 Oct 08 (Wed)	18:43 73	00:24 85S	06:54 284
2025 Oct 09 (Thu)	19:33 67	01:18 90N	07:58 290
2025 Oct 10 (Fri)	20:28 63	02:17 84N	09:05 296
2025 Oct 11 (Sat)	21:28 60	03:19 81N	10:13 299
2025 Oct 12 (Sun)	22:31 60	04:23 79N	11:19 300
2025 Oct 13 (Mon)	23:35 62	05:26 80N	12:19 299
2025 Oct 14 (Tue)		06:25 82N	13:12 296
2025 Oct 15 (Wed)	00:36 66	07:19 86N	13:59 291
2025 Oct 16 (Thu)	01:33 71	08:08 90S	14:39 286
2025 Oct 17 (Fri)	02:27 77	08:53 85S	15:16 280
2025 Oct 18 (Sat)	03:17 83	09:36 79S	15:50 274
2025 Oct 19 (Sun)	04:06 89	10:16 72S	16:23 268
2025 Oct 20 (Mon)	04:54 96	10:57 66S	16:56 261
2025 Oct 21 (Tue)	05:42 102	11:37 61S	17:30 256
2025 Oct 22 (Wed)	06:31 107	12:20 56S	18:06 251
2025 Oct 23 (Thu)	07:21 112	13:04 51S	18:45 246
2025 Oct 24 (Fri)	08:13 116	13:51 48S	19:27 243
2025 Oct 25 (Sat)	09:06 119	14:41 45S	20:14 241
2025 Oct 26 (Sun)	09:59 120	15:32 44S	21:05 240
2025 Oct 27 (Mon)	10:51 120	16:24 45S	21:58 241
2025 Oct 28 (Tue)	11:41 118	17:16 47S	22:53 243
2025 Oct 29 (Wed)	12:27 115	18:07 50S	23:49 247
2025 Oct 30 (Thu)	13:10 110	18:55 55S	
2025 Oct 31 (Fri)	13:50 105	19:43 60S	00:45 252
2025 Nov 01 (Sat)	14:29 98	20:30 67S	01:40 258
2025 Nov 02 (Sun)	15:08 91	21:18 74S	02:35 265
2025 Nov 03 (Mon)	15:48 84	22:07 81S	03:32 273
2025 Nov 04 (Tue)	16:31 77	23:00 88S	04:32 280
2025 Nov 05 (Wed)	17:18 70	23:58 87N	05:35 287
2025 Nov 06 (Thu)	18:12 65		06:42 293
2025 Nov 07 (Fri)	19:11 61	01:00 82N	07:52 297
2025 Nov 08 (Sat)	20:16 60	02:06 80N	09:02 300
2025 Nov 09 (Sun)	21:22 62	03:12 79N	10:07 299

2025 Nov 10 (Mon)	22:27 65	04:15 81N	11:05 297
2025 Nov 11 (Tue)	23:27 69	05:13 85N	11:55 293
2025 Nov 12 (Wed)		06:05 90N	12:39 288
2025 Nov 13 (Thu)	00:22 75	06:52 86S	13:17 282
2025 Nov 14 (Fri)	01:14 81	07:35 80S	13:52 276
2025 Nov 15 (Sat)	02:03 87	08:16 74S	14:25 269
2025 Nov 16 (Sun)	02:51 94	08:56 68S	14:58 263
2025 Nov 17 (Mon)	03:39 100	09:37 62S	15:31 257
2025 Nov 18 (Tue)	04:27 105	10:18 57S	16:06 252
2025 Nov 19 (Wed)	05:17 110	11:02 53S	16:44 248
2025 Nov 20 (Thu)	06:08 115	11:48 49S	17:26 244
2025 Nov 21 (Fri)	07:01 118	12:37 46S	18:11 241
2025 Nov 22 (Sat)	07:55 119	13:28 45S	19:01 240
2025 Nov 23 (Sun)	08:47 120	14:20 45S	19:53 241
2025 Nov 24 (Mon)	09:37 118	15:12 46S	20:48 243
2025 Nov 25 (Tue)	10:24 116	16:02 49S	21:43 246
2025 Nov 26 (Wed)	11:07 112	16:50 53S	22:37 250
2025 Nov 27 (Thu)	11:47 107	17:37 58S	23:31 256
2025 Nov 28 (Fri)	12:25 101	18:22 64S	
2025 Nov 29 (Sat)	13:02 94	19:08 71S	00:24 262
2025 Nov 30 (Sun)	13:40 87	19:54 78S	01:18 269
2025 Dec 01 (Mon)	14:20 80	20:44 85S	02:14 277
2025 Dec 02 (Tue)	15:03 73	21:38 90N	03:13 284
2025 Dec 03 (Wed)	15:53 67	22:37 85N	04:17 290
2025 Dec 04 (Thu)	16:49 63	23:41 81N	05:25 295
2025 Dec 05 (Fri)	17:53 61		06:35 299
2025 Dec 06 (Sat)	19:01 61	00:49 79N	07:45 300
2025 Dec 07 (Sun)	20:08 63	01:56 80N	08:48 298
2025 Dec 08 (Mon)	21:13 68	02:58 83N	09:44 295
2025 Dec 09 (Tue)	22:13 73	03:55 88N	10:32 290
2025 Dec 10 (Wed)	23:07 79	04:46 88S	11:14 284
2025 Dec 11 (Thu)	23:59 86	05:31 82S	11:51 278
2025 Dec 12 (Fri)		06:14 76S	12:26 271
2025 Dec 13 (Sat)	00:48 92	06:55 70S	12:59 265
2025 Dec 14 (Sun)	01:35 98	07:35 64S	13:32 259
2025 Dec 15 (Mon)	02:24 104	08:17 59S	14:06 254
2025 Dec 16 (Tue)	03:13 109	08:59 54S	14:43 249
2025 Dec 17 (Wed)	04:04 113	09:45 50S	15:24 245
2025 Dec 18 (Thu)	04:56 117	10:33 47S	16:08 242
2025 Dec 19 (Fri)	05:49 119	11:23 45S	16:57 241
2025 Dec 20 (Sat)	06:42 120	12:16 45S	17:49 240
2025 Dec 21 (Sun)	07:34 119	13:08 46S	18:43 242
2025 Dec 22 (Mon)	08:22 117	13:59 48S	19:39 245
2025 Dec 23 (Tue)	09:06 113	14:48 52S	20:33 249
2025 Dec 24 (Wed)	09:47 108	15:35 57S	21:27 254
2025 Dec 25 (Thu)	10:25 102	16:20 63S	22:19 261
2025 Dec 26 (Fri)	11:01 96	17:04 69S	23:12 267
2025 Dec 27 (Sat)	11:38 89	17:49 76S	
2025 Dec 28 (Sun)	12:15 83	18:35 82S	00:05 274
2025 Dec 29 (Mon)	12:55 76	19:25 89S	01:00 281
2025 Dec 30 (Tue)	13:40 70	20:20 87N	02:00 287
2025 Dec 31 (Wed)	14:32 65	21:19 83N	03:03 293