

Sun

Amnat Charoen

Location: E104°33'43.1", N15°49'22.8", 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)	05:39	06:29	114	12:05 52S	17:42 246		18:32
2025	Jan	02 (Thu)	05:39	06:29	114	12:06 52S	17:42 246		18:32
2025	Jan	03 (Fri)	05:40	06:30	114	12:06 52S	17:43 247		18:33
2025	Jan	04 (Sat)	05:40	06:30	113	12:07 52S	17:43 247		18:33
2025	Jan	05 (Sun)	05:40	06:30	113	12:07 52S	17:44 247		18:34
2025	Jan	06 (Mon)	05:41	06:31	113	12:08 52S	17:45 247		18:35
2025	Jan	07 (Tue)	05:41	06:31	113	12:08 53S	17:45 247		18:35
2025	Jan	08 (Wed)	05:41	06:31	113	12:08 53S	17:46 247		18:36
2025	Jan	09 (Thu)	05:42	06:31	113	12:09 53S	17:46 247		18:36
2025	Jan	10 (Fri)	05:42	06:32	113	12:09 53S	17:47 247		18:37
2025	Jan	11 (Sat)	05:42	06:32	112	12:10 53S	17:48 248		18:37
2025	Jan	12 (Sun)	05:42	06:32	112	12:10 53S	17:48 248		18:38
2025	Jan	13 (Mon)	05:43	06:32	112	12:10 53S	17:49 248		18:38
2025	Jan	14 (Tue)	05:43	06:32	112	12:11 54S	17:49 248		18:39
2025	Jan	15 (Wed)	05:43	06:32	112	12:11 54S	17:50 248		18:39
2025	Jan	16 (Thu)	05:43	06:33	112	12:11 54S	17:51 249		18:40
2025	Jan	17 (Fri)	05:43	06:33	111	12:12 54S	17:51 249		18:40
2025	Jan	18 (Sat)	05:43	06:33	111	12:12 54S	17:52 249		18:41
2025	Jan	19 (Sun)	05:44	06:33	111	12:12 55S	17:52 249		18:41
2025	Jan	20 (Mon)	05:44	06:33	111	12:13 55S	17:53 249		18:42
2025	Jan	21 (Tue)	05:44	06:33	110	12:13 55S	17:53 250		18:42
2025	Jan	22 (Wed)	05:44	06:33	110	12:13 55S	17:54 250		18:43
2025	Jan	23 (Thu)	05:44	06:33	110	12:14 55S	17:54 250		18:43
2025	Jan	24 (Fri)	05:44	06:33	110	12:14 56S	17:55 250		18:44
2025	Jan	25 (Sat)	05:44	06:33	109	12:14 56S	17:56 251		18:44
2025	Jan	26 (Sun)	05:44	06:33	109	12:14 56S	17:56 251		18:45
2025	Jan	27 (Mon)	05:44	06:32	109	12:14 56S	17:57 251		18:45
2025	Jan	28 (Tue)	05:44	06:32	109	12:15 57S	17:57 251		18:46
2025	Jan	29 (Wed)	05:44	06:32	108	12:15 57S	17:58 252		18:46
2025	Jan	30 (Thu)	05:44	06:32	108	12:15 57S	17:58 252		18:47
2025	Jan	31 (Fri)	05:43	06:32	108	12:15 58S	17:59 252		18:47
2025	Feb	01 (Sat)	05:43	06:32	108	12:15 58S	17:59 253		18:47
2025	Feb	02 (Sun)	05:43	06:31	107	12:15 58S	18:00 253		18:48
2025	Feb	03 (Mon)	05:43	06:31	107	12:16 58S	18:00 253		18:48
2025	Feb	04 (Tue)	05:43	06:31	107	12:16 59S	18:01 254		18:49
2025	Feb	05 (Wed)	05:43	06:31	106	12:16 59S	18:01 254		18:49
2025	Feb	06 (Thu)	05:42	06:30	106	12:16 59S	18:01 254		18:49
2025	Feb	07 (Fri)	05:42	06:30	106	12:16 60S	18:02 254		18:50
2025	Feb	08 (Sat)	05:42	06:30	105	12:16 60S	18:02 255		18:50
2025	Feb	09 (Sun)	05:42	06:29	105	12:16 60S	18:03 255		18:50
2025	Feb	10 (Mon)	05:41	06:29	105	12:16 61S	18:03 255		18:51
2025	Feb	11 (Tue)	05:41	06:29	104	12:16 61S	18:03 256		18:51
2025	Feb	12 (Wed)	05:41	06:28	104	12:16 61S	18:04 256		18:51
2025	Feb	13 (Thu)	05:40	06:28	104	12:16 62S	18:04 257		18:52
2025	Feb	14 (Fri)	05:40	06:27	103	12:16 62S	18:05 257		18:52
2025	Feb	15 (Sat)	05:40	06:27	103	12:16 62S	18:05 257		18:52
2025	Feb	16 (Sun)	05:39	06:26	103	12:16 63S	18:05 258		18:53
2025	Feb	17 (Mon)	05:39	06:26	102	12:16 63S	18:06 258		18:53
2025	Feb	18 (Tue)	05:38	06:25	102	12:16 63S	18:06 258		18:53
2025	Feb	19 (Wed)	05:38	06:25	101	12:16 64S	18:06 259		18:53
2025	Feb	20 (Thu)	05:37	06:24	101	12:15 64S	18:07 259		18:54
2025	Feb	21 (Fri)	05:37	06:24	101	12:15 64S	18:07 259		18:54
2025	Feb	22 (Sat)	05:36	06:23	100	12:15 65S	18:07 260		18:54
2025	Feb	23 (Sun)	05:36	06:23	100	12:15 65S	18:07 260		18:54
2025	Feb	24 (Mon)	05:35	06:22	100	12:15 66S	18:08 261		18:55
2025	Feb	25 (Tue)	05:35	06:22	99	12:15 66S	18:08 261		18:55
2025	Feb	26 (Wed)	05:34	06:21	99	12:15 66S	18:08 261		18:55
2025	Feb	27 (Thu)	05:34	06:21	98	12:14 67S	18:09 262		18:55
2025	Feb	28 (Fri)	05:33	06:20	98	12:14 67S	18:09 262		18:56
2025	Mar	01 (Sat)	05:33	06:19	98	12:14 67S	18:09 263		18:56

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

2025	May	13	(Tue)	04:43	05:33	71	11:58	88N	18:24	290	19:13
2025	May	14	(Wed)	04:43	05:33	70	11:58	88N	18:24	290	19:14
2025	May	15	(Thu)	04:42	05:32	70	11:58	88N	18:24	290	19:14
2025	May	16	(Fri)	04:42	05:32	70	11:58	87N	18:24	290	19:15
2025	May	17	(Sat)	04:41	05:32	70	11:58	87N	18:25	290	19:15
2025	May	18	(Sun)	04:41	05:31	69	11:58	87N	18:25	291	19:15
2025	May	19	(Mon)	04:41	05:31	69	11:58	87N	18:25	291	19:16
2025	May	20	(Tue)	04:41	05:31	69	11:58	87N	18:26	291	19:16
2025	May	21	(Wed)	04:40	05:31	69	11:58	86N	18:26	291	19:17
2025	May	22	(Thu)	04:40	05:31	69	11:58	86N	18:26	292	19:17
2025	May	23	(Fri)	04:40	05:30	68	11:58	86N	18:27	292	19:18
2025	May	24	(Sat)	04:39	05:30	68	11:59	86N	18:27	292	19:18
2025	May	25	(Sun)	04:39	05:30	68	11:59	86N	18:27	292	19:18
2025	May	26	(Mon)	04:39	05:30	68	11:59	85N	18:28	292	19:19
2025	May	27	(Tue)	04:39	05:30	68	11:59	85N	18:28	293	19:19
2025	May	28	(Wed)	04:39	05:30	67	11:59	85N	18:28	293	19:20
2025	May	29	(Thu)	04:38	05:30	67	11:59	85N	18:29	293	19:20
2025	May	30	(Fri)	04:38	05:30	67	11:59	85N	18:29	293	19:20
2025	May	31	(Sat)	04:38	05:29	67	11:59	85N	18:30	293	19:21
2025	Jun	01	(Sun)	04:38	05:29	67	12:00	84N	18:30	293	19:21
2025	Jun	02	(Mon)	04:38	05:29	67	12:00	84N	18:30	293	19:22
2025	Jun	03	(Tue)	04:38	05:29	67	12:00	84N	18:31	294	19:22
2025	Jun	04	(Wed)	04:38	05:29	66	12:00	84N	18:31	294	19:22
2025	Jun	05	(Thu)	04:38	05:29	66	12:00	84N	18:31	294	19:23
2025	Jun	06	(Fri)	04:38	05:29	66	12:00	84N	18:31	294	19:23
2025	Jun	07	(Sat)	04:38	05:30	66	12:01	84N	18:32	294	19:23
2025	Jun	08	(Sun)	04:38	05:30	66	12:01	84N	18:32	294	19:24
2025	Jun	09	(Mon)	04:38	05:30	66	12:01	84N	18:32	294	19:24
2025	Jun	10	(Tue)	04:38	05:30	66	12:01	84N	18:33	294	19:25
2025	Jun	11	(Wed)	04:38	05:30	66	12:01	83N	18:33	294	19:25
2025	Jun	12	(Thu)	04:38	05:30	66	12:02	83N	18:33	294	19:25
2025	Jun	13	(Fri)	04:38	05:30	66	12:02	83N	18:34	294	19:26
2025	Jun	14	(Sat)	04:38	05:30	66	12:02	83N	18:34	295	19:26
2025	Jun	15	(Sun)	04:38	05:30	65	12:02	83N	18:34	295	19:26
2025	Jun	16	(Mon)	04:39	05:31	65	12:02	83N	18:34	295	19:26
2025	Jun	17	(Tue)	04:39	05:31	65	12:03	83N	18:35	295	19:27
2025	Jun	18	(Wed)	04:39	05:31	65	12:03	83N	18:35	295	19:27
2025	Jun	19	(Thu)	04:39	05:31	65	12:03	83N	18:35	295	19:27
2025	Jun	20	(Fri)	04:39	05:31	65	12:03	83N	18:35	295	19:27
2025	Jun	21	(Sat)	04:40	05:31	65	12:04	83N	18:36	295	19:28
2025	Jun	22	(Sun)	04:40	05:32	65	12:04	83N	18:36	295	19:28
2025	Jun	23	(Mon)	04:40	05:32	65	12:04	83N	18:36	295	19:28
2025	Jun	24	(Tue)	04:40	05:32	65	12:04	83N	18:36	295	19:28
2025	Jun	25	(Wed)	04:40	05:32	65	12:04	83N	18:36	295	19:28
2025	Jun	26	(Thu)	04:41	05:33	65	12:05	83N	18:37	295	19:29
2025	Jun	27	(Fri)	04:41	05:33	65	12:05	83N	18:37	295	19:29
2025	Jun	28	(Sat)	04:41	05:33	65	12:05	83N	18:37	294	19:29
2025	Jun	29	(Sun)	04:42	05:33	66	12:05	83N	18:37	294	19:29
2025	Jun	30	(Mon)	04:42	05:34	66	12:05	83N	18:37	294	19:29
2025	Jul	01	(Tue)	04:42	05:34	66	12:06	83N	18:37	294	19:29
2025	Jul	02	(Wed)	04:43	05:34	66	12:06	84N	18:37	294	19:29
2025	Jul	03	(Thu)	04:43	05:35	66	12:06	84N	18:37	294	19:29
2025	Jul	04	(Fri)	04:43	05:35	66	12:06	84N	18:37	294	19:29
2025	Jul	05	(Sat)	04:44	05:35	66	12:06	84N	18:37	294	19:29
2025	Jul	06	(Sun)	04:44	05:36	66	12:07	84N	18:37	294	19:29
2025	Jul	07	(Mon)	04:44	05:36	66	12:07	84N	18:38	294	19:29
2025	Jul	08	(Tue)	04:45	05:36	66	12:07	84N	18:38	294	19:29
2025	Jul	09	(Wed)	04:45	05:36	66	12:07	84N	18:37	293	19:29
2025	Jul	10	(Thu)	04:45	05:37	67	12:07	84N	18:37	293	19:29
2025	Jul	11	(Fri)	04:46	05:37	67	12:07	84N	18:37	293	19:29
2025	Jul	12	(Sat)	04:46	05:37	67	12:07	85N	18:37	293	19:29
2025	Jul	13	(Sun)	04:46	05:38	67	12:08	85N	18:37	293	19:28
2025	Jul	14	(Mon)	04:47	05:38	67	12:08	85N	18:37	293	19:28
2025	Jul	15	(Tue)	04:47	05:38	67	12:08	85N	18:37	293	19:28
2025	Jul	16	(Wed)	04:48	05:39	67	12:08	85N	18:37	292	19:28
2025	Jul	17	(Thu)	04:48	05:39	68	12:08	85N	18:37	292	19:28
2025	Jul	18	(Fri)	04:48	05:39	68	12:08	86N	18:37	292	19:27
2025	Jul	19	(Sat)	04:49	05:40	68	12:08	86N	18:36	292	19:27
2025	Jul	20	(Sun)	04:49	05:40	68	12:08	86N	18:36	292	19:27
2025	Jul	21	(Mon)	04:50	05:40	68	12:08	86N	18:36	291	19:27
2025	Jul	22	(Tue)	04:50	05:41	69	12:08	86N	18:36	291	19:26
2025	Jul	23	(Wed)	04:50	05:41	69	12:08	87N	18:36	291	19:26

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

2025	Oct	04	(Sat)	05:06	05:52	94	11:51	70S	17:49	266	18:35
2025	Oct	05	(Sun)	05:06	05:52	95	11:50	70S	17:48	265	18:34
2025	Oct	06	(Mon)	05:06	05:52	95	11:50	70S	17:47	265	18:34
2025	Oct	07	(Tue)	05:06	05:52	95	11:50	69S	17:47	264	18:33
2025	Oct	08	(Wed)	05:06	05:53	96	11:49	69S	17:46	264	18:32
2025	Oct	09	(Thu)	05:06	05:53	96	11:49	69S	17:45	264	18:32
2025	Oct	10	(Fri)	05:06	05:53	97	11:49	68S	17:44	263	18:31
2025	Oct	11	(Sat)	05:06	05:53	97	11:49	68S	17:44	263	18:30
2025	Oct	12	(Sun)	05:07	05:53	97	11:48	67S	17:43	262	18:30
2025	Oct	13	(Mon)	05:07	05:53	98	11:48	67S	17:42	262	18:29
2025	Oct	14	(Tue)	05:07	05:54	98	11:48	67S	17:42	262	18:28
2025	Oct	15	(Wed)	05:07	05:54	99	11:48	66S	17:41	261	18:28
2025	Oct	16	(Thu)	05:07	05:54	99	11:47	66S	17:40	261	18:27
2025	Oct	17	(Fri)	05:07	05:54	99	11:47	66S	17:40	260	18:27
2025	Oct	18	(Sat)	05:08	05:54	100	11:47	65S	17:39	260	18:26
2025	Oct	19	(Sun)	05:08	05:55	100	11:47	65S	17:39	260	18:26
2025	Oct	20	(Mon)	05:08	05:55	101	11:47	64S	17:38	259	18:25
2025	Oct	21	(Tue)	05:08	05:55	101	11:46	64S	17:37	259	18:24
2025	Oct	22	(Wed)	05:08	05:55	101	11:46	64S	17:37	259	18:24
2025	Oct	23	(Thu)	05:09	05:56	102	11:46	63S	17:36	258	18:23
2025	Oct	24	(Fri)	05:09	05:56	102	11:46	63S	17:36	258	18:23
2025	Oct	25	(Sat)	05:09	05:56	102	11:46	63S	17:35	257	18:23
2025	Oct	26	(Sun)	05:09	05:57	103	11:46	62S	17:35	257	18:22
2025	Oct	27	(Mon)	05:09	05:57	103	11:46	62S	17:34	257	18:22
2025	Oct	28	(Tue)	05:10	05:57	103	11:46	62S	17:34	256	18:21
2025	Oct	29	(Wed)	05:10	05:57	104	11:45	61S	17:33	256	18:21
2025	Oct	30	(Thu)	05:10	05:58	104	11:45	61S	17:33	256	18:20
2025	Oct	31	(Fri)	05:11	05:58	104	11:45	61S	17:32	255	18:20
2025	Nov	01	(Sat)	05:11	05:59	105	11:45	60S	17:32	255	18:20
2025	Nov	02	(Sun)	05:11	05:59	105	11:45	60S	17:32	255	18:19
2025	Nov	03	(Mon)	05:11	05:59	105	11:45	60S	17:31	254	18:19
2025	Nov	04	(Tue)	05:12	06:00	106	11:45	59S	17:31	254	18:19
2025	Nov	05	(Wed)	05:12	06:00	106	11:45	59S	17:31	254	18:19
2025	Nov	06	(Thu)	05:12	06:00	106	11:45	59S	17:30	253	18:18
2025	Nov	07	(Fri)	05:13	06:01	107	11:45	59S	17:30	253	18:18
2025	Nov	08	(Sat)	05:13	06:01	107	11:45	58S	17:30	253	18:18
2025	Nov	09	(Sun)	05:13	06:02	107	11:46	58S	17:29	253	18:18
2025	Nov	10	(Mon)	05:14	06:02	108	11:46	58S	17:29	252	18:17
2025	Nov	11	(Tue)	05:14	06:03	108	11:46	57S	17:29	252	18:17
2025	Nov	12	(Wed)	05:14	06:03	108	11:46	57S	17:29	252	18:17
2025	Nov	13	(Thu)	05:15	06:03	108	11:46	57S	17:28	251	18:17
2025	Nov	14	(Fri)	05:15	06:04	109	11:46	57S	17:28	251	18:17
2025	Nov	15	(Sat)	05:16	06:04	109	11:46	56S	17:28	251	18:17
2025	Nov	16	(Sun)	05:16	06:05	109	11:47	56S	17:28	251	18:17
2025	Nov	17	(Mon)	05:17	06:05	110	11:47	56S	17:28	250	18:17
2025	Nov	18	(Tue)	05:17	06:06	110	11:47	56S	17:28	250	18:17
2025	Nov	19	(Wed)	05:17	06:06	110	11:47	55S	17:28	250	18:17
2025	Nov	20	(Thu)	05:18	06:07	110	11:47	55S	17:28	250	18:17
2025	Nov	21	(Fri)	05:18	06:07	110	11:48	55S	17:28	249	18:17
2025	Nov	22	(Sat)	05:19	06:08	111	11:48	55S	17:28	249	18:17
2025	Nov	23	(Sun)	05:19	06:08	111	11:48	54S	17:28	249	18:17
2025	Nov	24	(Mon)	05:20	06:09	111	11:48	54S	17:28	249	18:17
2025	Nov	25	(Tue)	05:20	06:10	111	11:49	54S	17:28	249	18:17
2025	Nov	26	(Wed)	05:21	06:10	112	11:49	54S	17:28	248	18:17
2025	Nov	27	(Thu)	05:21	06:11	112	11:49	54S	17:28	248	18:17
2025	Nov	28	(Fri)	05:22	06:11	112	11:50	54S	17:28	248	18:18
2025	Nov	29	(Sat)	05:22	06:12	112	11:50	53S	17:28	248	18:18
2025	Nov	30	(Sun)	05:23	06:12	112	11:50	53S	17:28	248	18:18
2025	Dec	01	(Mon)	05:23	06:13	112	11:51	53S	17:28	247	18:18
2025	Dec	02	(Tue)	05:24	06:14	113	11:51	53S	17:29	247	18:18
2025	Dec	03	(Wed)	05:24	06:14	113	11:52	53S	17:29	247	18:19
2025	Dec	04	(Thu)	05:25	06:15	113	11:52	53S	17:29	247	18:19
2025	Dec	05	(Fri)	05:25	06:15	113	11:52	52S	17:29	247	18:19
2025	Dec	06	(Sat)	05:26	06:16	113	11:53	52S	17:30	247	18:20
2025	Dec	07	(Sun)	05:26	06:16	113	11:53	52S	17:30	247	18:20
2025	Dec	08	(Mon)	05:27	06:17	113	11:54	52S	17:30	247	18:20
2025	Dec	09	(Tue)	05:27	06:18	114	11:54	52S	17:30	246	18:21
2025	Dec	10	(Wed)	05:28	06:18	114	11:55	52S	17:31	246	18:21
2025	Dec	11	(Thu)	05:29	06:19	114	11:55	52S	17:31	246	18:21
2025	Dec	12	(Fri)	05:29	06:19	114	11:55	52S	17:32	246	18:22
2025	Dec	13	(Sat)	05:30	06:20	114	11:56	52S	17:32	246	18:22
2025	Dec	14	(Sun)	05:30	06:20	114	11:56	52S	17:32	246	18:23

2025	Dec 15	(Mon)	05:31	06:21	114	11:57	52S	17:33	246	18:23
2025	Dec 16	(Tue)	05:31	06:21	114	11:57	52S	17:33	246	18:23
2025	Dec 17	(Wed)	05:32	06:22	114	11:58	52S	17:34	246	18:24
2025	Dec 18	(Thu)	05:32	06:23	114	11:58	51S	17:34	246	18:24
2025	Dec 19	(Fri)	05:33	06:23	114	11:59	51S	17:35	246	18:25
2025	Dec 20	(Sat)	05:33	06:24	114	11:59	51S	17:35	246	18:25
2025	Dec 21	(Sun)	05:34	06:24	114	12:00	51S	17:35	246	18:26
2025	Dec 22	(Mon)	05:34	06:25	114	12:00	51S	17:36	246	18:26
2025	Dec 23	(Tue)	05:35	06:25	114	12:01	51S	17:37	246	18:27
2025	Dec 24	(Wed)	05:35	06:26	114	12:01	51S	17:37	246	18:27
2025	Dec 25	(Thu)	05:36	06:26	114	12:02	51S	17:38	246	18:28
2025	Dec 26	(Fri)	05:36	06:26	114	12:02	52S	17:38	246	18:28
2025	Dec 27	(Sat)	05:37	06:27	114	12:03	52S	17:39	246	18:29
2025	Dec 28	(Sun)	05:37	06:27	114	12:03	52S	17:39	246	18:29
2025	Dec 29	(Mon)	05:38	06:28	114	12:04	52S	17:40	246	18:30
2025	Dec 30	(Tue)	05:38	06:28	114	12:04	52S	17:40	246	18:31
2025	Dec 31	(Wed)	05:38	06:29	114	12:05	52S	17:41	246	18:31

Sun

Amnat Charoen

Location: E104°33'43.1", N15°49'22.8", 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)	06:06	06:29	114	12:05	52S	17:42	246	18:05
2025	Jan 02	(Thu)	06:06	06:29	114	12:06	52S	17:42	246	18:06
2025	Jan 03	(Fri)	06:06	06:30	114	12:06	52S	17:43	247	18:06
2025	Jan 04	(Sat)	06:07	06:30	113	12:07	52S	17:43	247	18:07
2025	Jan 05	(Sun)	06:07	06:30	113	12:07	52S	17:44	247	18:07
2025	Jan 06	(Mon)	06:07	06:31	113	12:08	52S	17:45	247	18:08
2025	Jan 07	(Tue)	06:08	06:31	113	12:08	53S	17:45	247	18:08
2025	Jan 08	(Wed)	06:08	06:31	113	12:08	53S	17:46	247	18:09
2025	Jan 09	(Thu)	06:08	06:31	113	12:09	53S	17:46	247	18:10
2025	Jan 10	(Fri)	06:09	06:32	113	12:09	53S	17:47	247	18:10
2025	Jan 11	(Sat)	06:09	06:32	112	12:10	53S	17:48	248	18:11
2025	Jan 12	(Sun)	06:09	06:32	112	12:10	53S	17:48	248	18:11
2025	Jan 13	(Mon)	06:09	06:32	112	12:10	53S	17:49	248	18:12
2025	Jan 14	(Tue)	06:09	06:32	112	12:11	54S	17:49	248	18:12
2025	Jan 15	(Wed)	06:09	06:32	112	12:11	54S	17:50	248	18:13
2025	Jan 16	(Thu)	06:10	06:33	112	12:11	54S	17:51	249	18:13
2025	Jan 17	(Fri)	06:10	06:33	111	12:12	54S	17:51	249	18:14
2025	Jan 18	(Sat)	06:10	06:33	111	12:12	54S	17:52	249	18:15
2025	Jan 19	(Sun)	06:10	06:33	111	12:12	55S	17:52	249	18:15
2025	Jan 20	(Mon)	06:10	06:33	111	12:13	55S	17:53	249	18:16
2025	Jan 21	(Tue)	06:10	06:33	110	12:13	55S	17:53	250	18:16
2025	Jan 22	(Wed)	06:10	06:33	110	12:13	55S	17:54	250	18:17
2025	Jan 23	(Thu)	06:10	06:33	110	12:14	55S	17:54	250	18:17
2025	Jan 24	(Fri)	06:10	06:33	110	12:14	56S	17:55	250	18:18
2025	Jan 25	(Sat)	06:10	06:33	109	12:14	56S	17:56	251	18:18
2025	Jan 26	(Sun)	06:10	06:33	109	12:14	56S	17:56	251	18:19
2025	Jan 27	(Mon)	06:10	06:32	109	12:14	56S	17:57	251	18:19
2025	Jan 28	(Tue)	06:10	06:32	109	12:15	57S	17:57	251	18:20
2025	Jan 29	(Wed)	06:10	06:32	108	12:15	57S	17:58	252	18:20
2025	Jan 30	(Thu)	06:10	06:32	108	12:15	57S	17:58	252	18:21
2025	Jan 31	(Fri)	06:09	06:32	108	12:15	58S	17:59	252	18:21
2025	Feb 01	(Sat)	06:09	06:32	108	12:15	58S	17:59	253	18:22
2025	Feb 02	(Sun)	06:09	06:31	107	12:15	58S	18:00	253	18:22
2025	Feb 03	(Mon)	06:09	06:31	107	12:16	58S	18:00	253	18:22
2025	Feb 04	(Tue)	06:09	06:31	107	12:16	59S	18:01	254	18:23
2025	Feb 05	(Wed)	06:08	06:31	106	12:16	59S	18:01	254	18:23
2025	Feb 06	(Thu)	06:08	06:30	106	12:16	59S	18:01	254	18:24
2025	Feb 07	(Fri)	06:08	06:30	106	12:16	60S	18:02	254	18:24
2025	Feb 08	(Sat)	06:08	06:30	105	12:16	60S	18:02	255	18:24
2025	Feb 09	(Sun)	06:07	06:29	105	12:16	60S	18:03	255	18:25
2025	Feb 10	(Mon)	06:07	06:29	105	12:16	61S	18:03	255	18:25
2025	Feb 11	(Tue)	06:07	06:29	104	12:16	61S	18:03	256	18:26

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

2025	Apr	25	(Fri)	05:19	05:41	76	12:00	88S	18:19	284	18:41
2025	Apr	26	(Sat)	05:18	05:40	76	12:00	88S	18:19	284	18:41
2025	Apr	27	(Sun)	05:18	05:40	75	11:59	89S	18:19	285	18:41
2025	Apr	28	(Mon)	05:17	05:39	75	11:59	89S	18:19	285	18:42
2025	Apr	29	(Tue)	05:16	05:39	75	11:59	89S	18:20	285	18:42
2025	Apr	30	(Wed)	05:16	05:38	74	11:59	90S	18:20	286	18:42
2025	May	01	(Thu)	05:15	05:38	74	11:59	90S	18:20	286	18:43
2025	May	02	(Fri)	05:15	05:37	74	11:59	90S	18:20	286	18:43
2025	May	03	(Sat)	05:14	05:37	73	11:59	91S	18:21	287	18:43
2025	May	04	(Sun)	05:14	05:36	73	11:59	90N	18:21	287	18:43
2025	May	05	(Mon)	05:13	05:36	73	11:58	90N	18:21	287	18:44
2025	May	06	(Tue)	05:13	05:35	73	11:58	90N	18:21	288	18:44
2025	May	07	(Wed)	05:12	05:35	72	11:58	90N	18:22	288	18:44
2025	May	08	(Thu)	05:12	05:35	72	11:58	89N	18:22	288	18:45
2025	May	09	(Fri)	05:12	05:34	72	11:58	89N	18:22	288	18:45
2025	May	10	(Sat)	05:11	05:34	71	11:58	89N	18:23	289	18:45
2025	May	11	(Sun)	05:11	05:34	71	11:58	89N	18:23	289	18:46
2025	May	12	(Mon)	05:10	05:33	71	11:58	88N	18:23	289	18:46
2025	May	13	(Tue)	05:10	05:33	71	11:58	88N	18:24	290	18:46
2025	May	14	(Wed)	05:10	05:33	70	11:58	88N	18:24	290	18:47
2025	May	15	(Thu)	05:09	05:32	70	11:58	88N	18:24	290	18:47
2025	May	16	(Fri)	05:09	05:32	70	11:58	87N	18:24	290	18:48
2025	May	17	(Sat)	05:09	05:32	70	11:58	87N	18:25	290	18:48
2025	May	18	(Sun)	05:08	05:31	69	11:58	87N	18:25	291	18:48
2025	May	19	(Mon)	05:08	05:31	69	11:58	87N	18:25	291	18:49
2025	May	20	(Tue)	05:08	05:31	69	11:58	87N	18:26	291	18:49
2025	May	21	(Wed)	05:08	05:31	69	11:58	86N	18:26	291	18:49
2025	May	22	(Thu)	05:07	05:31	69	11:58	86N	18:26	292	18:50
2025	May	23	(Fri)	05:07	05:30	68	11:58	86N	18:27	292	18:50
2025	May	24	(Sat)	05:07	05:30	68	11:59	86N	18:27	292	18:50
2025	May	25	(Sun)	05:07	05:30	68	11:59	86N	18:27	292	18:51
2025	May	26	(Mon)	05:07	05:30	68	11:59	85N	18:28	292	18:51
2025	May	27	(Tue)	05:06	05:30	68	11:59	85N	18:28	293	18:52
2025	May	28	(Wed)	05:06	05:30	67	11:59	85N	18:28	293	18:52
2025	May	29	(Thu)	05:06	05:30	67	11:59	85N	18:29	293	18:52
2025	May	30	(Fri)	05:06	05:30	67	11:59	85N	18:29	293	18:53
2025	May	31	(Sat)	05:06	05:29	67	11:59	85N	18:30	293	18:53
2025	Jun	01	(Sun)	05:06	05:29	67	12:00	84N	18:30	293	18:53
2025	Jun	02	(Mon)	05:06	05:29	67	12:00	84N	18:30	293	18:54
2025	Jun	03	(Tue)	05:06	05:29	67	12:00	84N	18:31	294	18:54
2025	Jun	04	(Wed)	05:06	05:29	66	12:00	84N	18:31	294	18:54
2025	Jun	05	(Thu)	05:06	05:29	66	12:00	84N	18:31	294	18:55
2025	Jun	06	(Fri)	05:06	05:29	66	12:00	84N	18:31	294	18:55
2025	Jun	07	(Sat)	05:06	05:30	66	12:01	84N	18:32	294	18:56
2025	Jun	08	(Sun)	05:06	05:30	66	12:01	84N	18:32	294	18:56
2025	Jun	09	(Mon)	05:06	05:30	66	12:01	84N	18:32	294	18:56
2025	Jun	10	(Tue)	05:06	05:30	66	12:01	84N	18:33	294	18:56
2025	Jun	11	(Wed)	05:06	05:30	66	12:01	83N	18:33	294	18:57
2025	Jun	12	(Thu)	05:06	05:30	66	12:02	83N	18:33	294	18:57
2025	Jun	13	(Fri)	05:06	05:30	66	12:02	83N	18:34	294	18:57
2025	Jun	14	(Sat)	05:06	05:30	66	12:02	83N	18:34	295	18:58
2025	Jun	15	(Sun)	05:07	05:30	65	12:02	83N	18:34	295	18:58
2025	Jun	16	(Mon)	05:07	05:31	65	12:02	83N	18:34	295	18:58
2025	Jun	17	(Tue)	05:07	05:31	65	12:03	83N	18:35	295	18:59
2025	Jun	18	(Wed)	05:07	05:31	65	12:03	83N	18:35	295	18:59
2025	Jun	19	(Thu)	05:07	05:31	65	12:03	83N	18:35	295	18:59
2025	Jun	20	(Fri)	05:07	05:31	65	12:03	83N	18:35	295	18:59
2025	Jun	21	(Sat)	05:08	05:31	65	12:04	83N	18:36	295	18:59
2025	Jun	22	(Sun)	05:08	05:32	65	12:04	83N	18:36	295	19:00
2025	Jun	23	(Mon)	05:08	05:32	65	12:04	83N	18:36	295	19:00
2025	Jun	24	(Tue)	05:08	05:32	65	12:04	83N	18:36	295	19:00
2025	Jun	25	(Wed)	05:09	05:32	65	12:04	83N	18:36	295	19:00
2025	Jun	26	(Thu)	05:09	05:33	65	12:05	83N	18:37	295	19:00
2025	Jun	27	(Fri)	05:09	05:33	65	12:05	83N	18:37	295	19:01
2025	Jun	28	(Sat)	05:09	05:33	65	12:05	83N	18:37	294	19:01
2025	Jun	29	(Sun)	05:10	05:33	66	12:05	83N	18:37	294	19:01
2025	Jun	30	(Mon)	05:10	05:34	66	12:05	83N	18:37	294	19:01
2025	Jul	01	(Tue)	05:10	05:34	66	12:06	83N	18:37	294	19:01
2025	Jul	02	(Wed)	05:11	05:34	66	12:06	84N	18:37	294	19:01
2025	Jul	03	(Thu)	05:11	05:35	66	12:06	84N	18:37	294	19:01
2025	Jul	04	(Fri)	05:11	05:35	66	12:06	84N	18:37	294	19:01
2025	Jul	05	(Sat)	05:12	05:35	66	12:06	84N	18:37	294	19:01

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

2025	Sep	16	(Tue)	05:29	05:50	87	11:57	77S	18:03	273	18:24
2025	Sep	17	(Wed)	05:29	05:50	87	11:56	77S	18:02	272	18:23
2025	Sep	18	(Thu)	05:29	05:50	88	11:56	77S	18:01	272	18:23
2025	Sep	19	(Fri)	05:29	05:51	88	11:56	76S	18:00	272	18:22
2025	Sep	20	(Sat)	05:29	05:51	89	11:55	76S	18:00	271	18:21
2025	Sep	21	(Sun)	05:29	05:51	89	11:55	75S	17:59	271	18:20
2025	Sep	22	(Mon)	05:29	05:51	89	11:55	75S	17:58	270	18:19
2025	Sep	23	(Tue)	05:29	05:51	90	11:54	75S	17:57	270	18:19
2025	Sep	24	(Wed)	05:29	05:51	90	11:54	74S	17:56	270	18:18
2025	Sep	25	(Thu)	05:30	05:51	91	11:53	74S	17:56	269	18:17
2025	Sep	26	(Fri)	05:30	05:51	91	11:53	74S	17:55	269	18:16
2025	Sep	27	(Sat)	05:30	05:51	91	11:53	73S	17:54	268	18:16
2025	Sep	28	(Sun)	05:30	05:51	92	11:52	73S	17:53	268	18:15
2025	Sep	29	(Mon)	05:30	05:51	92	11:52	72S	17:53	268	18:14
2025	Sep	30	(Tue)	05:30	05:52	93	11:52	72S	17:52	267	18:13
2025	Oct	01	(Wed)	05:30	05:52	93	11:51	72S	17:51	267	18:12
2025	Oct	02	(Thu)	05:30	05:52	93	11:51	71S	17:50	266	18:12
2025	Oct	03	(Fri)	05:30	05:52	94	11:51	71S	17:49	266	18:11
2025	Oct	04	(Sat)	05:31	05:52	94	11:51	70S	17:49	266	18:10
2025	Oct	05	(Sun)	05:31	05:52	95	11:50	70S	17:48	265	18:10
2025	Oct	06	(Mon)	05:31	05:52	95	11:50	70S	17:47	265	18:09
2025	Oct	07	(Tue)	05:31	05:52	95	11:50	69S	17:47	264	18:08
2025	Oct	08	(Wed)	05:31	05:53	96	11:49	69S	17:46	264	18:07
2025	Oct	09	(Thu)	05:31	05:53	96	11:49	69S	17:45	264	18:07
2025	Oct	10	(Fri)	05:31	05:53	97	11:49	68S	17:44	263	18:06
2025	Oct	11	(Sat)	05:31	05:53	97	11:49	68S	17:44	263	18:05
2025	Oct	12	(Sun)	05:32	05:53	97	11:48	67S	17:43	262	18:05
2025	Oct	13	(Mon)	05:32	05:53	98	11:48	67S	17:42	262	18:04
2025	Oct	14	(Tue)	05:32	05:54	98	11:48	67S	17:42	262	18:03
2025	Oct	15	(Wed)	05:32	05:54	99	11:48	66S	17:41	261	18:03
2025	Oct	16	(Thu)	05:32	05:54	99	11:47	66S	17:40	261	18:02
2025	Oct	17	(Fri)	05:33	05:54	99	11:47	66S	17:40	260	18:02
2025	Oct	18	(Sat)	05:33	05:54	100	11:47	65S	17:39	260	18:01
2025	Oct	19	(Sun)	05:33	05:55	100	11:47	65S	17:39	260	18:00
2025	Oct	20	(Mon)	05:33	05:55	101	11:47	64S	17:38	259	18:00
2025	Oct	21	(Tue)	05:33	05:55	101	11:46	64S	17:37	259	17:59
2025	Oct	22	(Wed)	05:34	05:55	101	11:46	64S	17:37	259	17:59
2025	Oct	23	(Thu)	05:34	05:56	102	11:46	63S	17:36	258	17:58
2025	Oct	24	(Fri)	05:34	05:56	102	11:46	63S	17:36	258	17:58
2025	Oct	25	(Sat)	05:34	05:56	102	11:46	63S	17:35	257	17:57
2025	Oct	26	(Sun)	05:35	05:57	103	11:46	62S	17:35	257	17:57
2025	Oct	27	(Mon)	05:35	05:57	103	11:46	62S	17:34	257	17:56
2025	Oct	28	(Tue)	05:35	05:57	103	11:46	62S	17:34	256	17:56
2025	Oct	29	(Wed)	05:35	05:57	104	11:45	61S	17:33	256	17:55
2025	Oct	30	(Thu)	05:36	05:58	104	11:45	61S	17:33	256	17:55
2025	Oct	31	(Fri)	05:36	05:58	104	11:45	61S	17:32	255	17:55
2025	Nov	01	(Sat)	05:36	05:59	105	11:45	60S	17:32	255	17:54
2025	Nov	02	(Sun)	05:37	05:59	105	11:45	60S	17:32	255	17:54
2025	Nov	03	(Mon)	05:37	05:59	105	11:45	60S	17:31	254	17:53
2025	Nov	04	(Tue)	05:37	06:00	106	11:45	59S	17:31	254	17:53
2025	Nov	05	(Wed)	05:38	06:00	106	11:45	59S	17:31	254	17:53
2025	Nov	06	(Thu)	05:38	06:00	106	11:45	59S	17:30	253	17:53
2025	Nov	07	(Fri)	05:38	06:01	107	11:45	59S	17:30	253	17:52
2025	Nov	08	(Sat)	05:39	06:01	107	11:45	58S	17:30	253	17:52
2025	Nov	09	(Sun)	05:39	06:02	107	11:46	58S	17:29	253	17:52
2025	Nov	10	(Mon)	05:40	06:02	108	11:46	58S	17:29	252	17:52
2025	Nov	11	(Tue)	05:40	06:03	108	11:46	57S	17:29	252	17:51
2025	Nov	12	(Wed)	05:40	06:03	108	11:46	57S	17:29	252	17:51
2025	Nov	13	(Thu)	05:41	06:03	108	11:46	57S	17:28	251	17:51
2025	Nov	14	(Fri)	05:41	06:04	109	11:46	57S	17:28	251	17:51
2025	Nov	15	(Sat)	05:42	06:04	109	11:46	56S	17:28	251	17:51
2025	Nov	16	(Sun)	05:42	06:05	109	11:47	56S	17:28	251	17:51
2025	Nov	17	(Mon)	05:43	06:05	110	11:47	56S	17:28	250	17:51
2025	Nov	18	(Tue)	05:43	06:06	110	11:47	56S	17:28	250	17:51
2025	Nov	19	(Wed)	05:44	06:06	110	11:47	55S	17:28	250	17:51
2025	Nov	20	(Thu)	05:44	06:07	110	11:47	55S	17:28	250	17:51
2025	Nov	21	(Fri)	05:45	06:07	110	11:48	55S	17:28	249	17:51
2025	Nov	22	(Sat)	05:45	06:08	111	11:48	55S	17:28	249	17:51
2025	Nov	23	(Sun)	05:46	06:08	111	11:48	54S	17:28	249	17:51
2025	Nov	24	(Mon)	05:46	06:09	111	11:48	54S	17:28	249	17:51
2025	Nov	25	(Tue)	05:47	06:10	111	11:49	54S	17:28	249	17:51
2025	Nov	26	(Wed)	05:47	06:10	112	11:49	54S	17:28	248	17:51

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

Moon

Amnat Charoen
Location: E104°33'43.1", N15°49'22.8", 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)	07:38	117		13:19	49S	19:02 245
2025	Jan	02	(Thu)	08:28	113		14:14	53S	20:02 249
2025	Jan	03	(Fri)	09:14	108		15:05	59S	21:00 255
2025	Jan	04	(Sat)	09:56	101		15:54	65S	21:56 262
2025	Jan	05	(Sun)	10:36	95		16:42	72S	22:52 269
2025	Jan	06	(Mon)	11:15	87		17:29	79S	23:47 276
2025	Jan	07	(Tue)	11:54	80		18:17	86S	
2025	Jan	08	(Wed)	12:37	74		19:08	89N	00:44 283
2025	Jan	09	(Thu)	13:23	68		20:02	84N	01:43 289
2025	Jan	10	(Fri)	14:14	64		21:00	80N	02:45 294
2025	Jan	11	(Sat)	15:11	61		22:01	78N	03:49 298
2025	Jan	12	(Sun)	16:11	60		23:03	78N	04:53 300
2025	Jan	13	(Mon)	17:13	62				05:53 299
2025	Jan	14	(Tue)	18:14	65		00:02	80N	06:48 297
2025	Jan	15	(Wed)	19:12	69		00:57	83N	07:37 293
2025	Jan	16	(Thu)	20:05	75		01:47	88N	08:19 288
2025	Jan	17	(Fri)	20:55	81		02:33	88S	08:57 282
2025	Jan	18	(Sat)	21:43	87		03:16	82S	09:32 276
2025	Jan	19	(Sun)	22:29	93		03:56	76S	10:05 270
2025	Jan	20	(Mon)	23:15	99		04:35	70S	10:38 264
2025	Jan	21	(Tue)				05:15	64S	11:11 258
2025	Jan	22	(Wed)	00:02	105		05:56	59S	11:46 253
2025	Jan	23	(Thu)	00:51	110		06:39	54S	12:24 248
2025	Jan	24	(Fri)	01:43	114		07:26	50S	13:07 244
2025	Jan	25	(Sat)	02:37	117		08:17	47S	13:55 241

2025	Jan	26	(Sun)	03:34	119	09:11	46S	14:48	240
2025	Jan	27	(Mon)	04:31	120	10:08	46S	15:46	241
2025	Jan	28	(Tue)	05:27	118	11:06	48S	16:47	243
2025	Jan	29	(Wed)	06:19	115	12:03	51S	17:49	247
2025	Jan	30	(Thu)	07:08	110	12:57	57S	18:49	253
2025	Jan	31	(Fri)	07:52	104	13:48	63S	19:48	259
2025	Feb	01	(Sat)	08:34	97	14:37	70S	20:45	267
2025	Feb	02	(Sun)	09:14	90	15:26	77S	21:42	274
2025	Feb	03	(Mon)	09:54	82	16:14	84S	22:39	281
2025	Feb	04	(Tue)	10:36	75	17:05	91S	23:38	288
2025	Feb	05	(Wed)	11:21	69	17:58	85N		
2025	Feb	06	(Thu)	12:10	65	18:54	81N	00:39	293
2025	Feb	07	(Fri)	13:04	61	19:53	78N	01:41	297
2025	Feb	08	(Sat)	14:02	60	20:53	78N	02:44	299
2025	Feb	09	(Sun)	15:02	61	21:52	79N	03:44	300
2025	Feb	10	(Mon)	16:03	63	22:48	82N	04:40	298
2025	Feb	11	(Tue)	17:01	67	23:39	86N	05:30	295
2025	Feb	12	(Wed)	17:55	73			06:14	290
2025	Feb	13	(Thu)	18:47	78	00:26	90S	06:54	285
2025	Feb	14	(Fri)	19:35	84	01:10	85S	07:30	279
2025	Feb	15	(Sat)	20:22	91	01:51	79S	08:04	272
2025	Feb	16	(Sun)	21:08	97	02:31	73S	08:36	266
2025	Feb	17	(Mon)	21:55	103	03:10	67S	09:09	260
2025	Feb	18	(Tue)	22:43	108	03:51	61S	09:43	255
2025	Feb	19	(Wed)	23:33	113	04:33	56S	10:20	250
2025	Feb	20	(Thu)			05:18	52S	11:00	246
2025	Feb	21	(Fri)	00:26	116	06:06	48S	11:45	242
2025	Feb	22	(Sat)	01:21	119	06:58	46S	12:35	240
2025	Feb	23	(Sun)	02:17	120	07:53	46S	13:30	240
2025	Feb	24	(Mon)	03:12	119	08:50	47S	14:29	242
2025	Feb	25	(Tue)	04:06	117	09:47	49S	15:30	245
2025	Feb	26	(Wed)	04:56	113	10:42	54S	16:31	250
2025	Feb	27	(Thu)	05:42	107	11:35	60S	17:31	256
2025	Feb	28	(Fri)	06:26	100	12:26	66S	18:31	263
2025	Mar	01	(Sat)	07:08	93	13:16	74S	19:29	271
2025	Mar	02	(Sun)	07:49	85	14:06	81S	20:28	279
2025	Mar	03	(Mon)	08:32	78	14:58	88S	21:29	286
2025	Mar	04	(Tue)	09:17	71	15:52	87N	22:31	292
2025	Mar	05	(Wed)	10:06	66	16:48	82N	23:34	296
2025	Mar	06	(Thu)	10:59	62	17:48	79N		
2025	Mar	07	(Fri)	11:57	60	18:48	78N	00:38	299
2025	Mar	08	(Sat)	12:57	60	19:47	78N	01:39	300
2025	Mar	09	(Sun)	13:56	62	20:43	81N	02:36	299
2025	Mar	10	(Mon)	14:54	66	21:35	84N	03:27	296
2025	Mar	11	(Tue)	15:49	71	22:23	89N	04:13	292
2025	Mar	12	(Wed)	16:41	76	23:07	87S	04:53	287
2025	Mar	13	(Thu)	17:30	82	23:48	81S	05:29	281
2025	Mar	14	(Fri)	18:17	88			06:04	275
2025	Mar	15	(Sat)	19:03	95	00:28	75S	06:36	269
2025	Mar	16	(Sun)	19:50	100	01:08	69S	07:09	263
2025	Mar	17	(Mon)	20:37	106	01:48	63S	07:42	257
2025	Mar	18	(Tue)	21:27	111	02:29	58S	08:18	252
2025	Mar	19	(Wed)	22:18	115	03:13	53S	08:57	247
2025	Mar	20	(Thu)	23:11	118	04:00	49S	09:39	243
2025	Mar	21	(Fri)			04:50	47S	10:26	241
2025	Mar	22	(Sat)	00:06	120	05:42	46S	11:18	240
2025	Mar	23	(Sun)	01:01	120	06:37	46S	12:14	241
2025	Mar	24	(Mon)	01:54	118	07:33	48S	13:13	243
2025	Mar	25	(Tue)	02:44	115	08:27	51S	14:13	247
2025	Mar	26	(Wed)	03:31	110	09:20	56S	15:12	253
2025	Mar	27	(Thu)	04:15	104	10:11	63S	16:11	259
2025	Mar	28	(Fri)	04:58	97	11:02	70S	17:10	267
2025	Mar	29	(Sat)	05:39	89	11:52	77S	18:10	275
2025	Mar	30	(Sun)	06:22	81	12:44	85S	19:11	282
2025	Mar	31	(Mon)	07:07	74	13:38	90N	20:14	289
2025	Apr	01	(Tue)	07:56	68	14:36	84N	21:20	295
2025	Apr	02	(Wed)	08:50	63	15:37	80N	22:26	298
2025	Apr	03	(Thu)	09:48	61	16:39	78N	23:31	300
2025	Apr	04	(Fri)	10:49	60	17:41	78N		
2025	Apr	05	(Sat)	11:50	62	18:39	80N	00:31	299
2025	Apr	06	(Sun)	12:50	65	19:32	83N	01:25	297
2025	Apr	07	(Mon)	13:45	69	20:21	88N	02:12	293

2025 Apr 08 (Tue)	14:38 74	21:06 88S	02:54 288
2025 Apr 09 (Wed)	15:27 80	21:48 83S	03:31 283
2025 Apr 10 (Thu)	16:14 86	22:28 77S	04:05 277
2025 Apr 11 (Fri)	17:00 92	23:07 71S	04:38 271
2025 Apr 12 (Sat)	17:46 98	23:46 65S	05:10 265
2025 Apr 13 (Sun)	18:33 104		05:43 259
2025 Apr 14 (Mon)	19:22 109	00:27 60S	06:18 253
2025 Apr 15 (Tue)	20:13 114	01:10 55S	06:56 248
2025 Apr 16 (Wed)	21:06 117	01:56 51S	07:37 245
2025 Apr 17 (Thu)	22:00 119	02:45 48S	08:22 242
2025 Apr 18 (Fri)	22:54 120	03:36 46S	09:12 240
2025 Apr 19 (Sat)	23:46 119	04:30 46S	10:06 240
2025 Apr 20 (Sun)		05:24 47S	11:03 242
2025 Apr 21 (Mon)	00:36 116	06:17 50S	12:00 245
2025 Apr 22 (Tue)	01:23 112	07:09 54S	12:58 250
2025 Apr 23 (Wed)	02:07 107	07:59 60S	13:55 256
2025 Apr 24 (Thu)	02:49 100	08:48 66S	14:52 263
2025 Apr 25 (Fri)	03:29 93	09:38 73S	15:50 271
2025 Apr 26 (Sat)	04:11 86	10:28 81S	16:50 278
2025 Apr 27 (Sun)	04:54 78	11:21 88S	17:52 286
2025 Apr 28 (Mon)	05:42 71	12:17 87N	18:58 292
2025 Apr 29 (Tue)	06:34 66	13:18 82N	20:06 297
2025 Apr 30 (Wed)	07:32 62	14:22 79N	21:14 299
2025 May 01 (Thu)	08:34 60	15:27 78N	22:19 300
2025 May 02 (Fri)	09:38 61	16:29 79N	23:17 298
2025 May 03 (Sat)	10:40 64	17:26 82N	
2025 May 04 (Sun)	11:39 68	18:17 86N	00:08 294
2025 May 05 (Mon)	12:33 73	19:04 90S	00:52 290
2025 May 06 (Tue)	13:24 78	19:47 85S	01:31 284
2025 May 07 (Wed)	14:12 84	20:28 79S	02:07 279
2025 May 08 (Thu)	14:58 91	21:07 73S	02:40 272
2025 May 09 (Fri)	15:44 97	21:46 67S	03:12 266
2025 May 10 (Sat)	16:31 102	22:26 61S	03:45 261
2025 May 11 (Sun)	17:19 108	23:08 56S	04:19 255
2025 May 12 (Mon)	18:09 112	23:53 52S	04:56 250
2025 May 13 (Tue)	19:01 116		05:36 246
2025 May 14 (Wed)	19:55 119	00:41 49S	06:20 243
2025 May 15 (Thu)	20:49 120	01:32 46S	07:09 241
2025 May 16 (Fri)	21:42 119	02:25 46S	08:02 240
2025 May 17 (Sat)	22:33 117	03:19 47S	08:57 242
2025 May 18 (Sun)	23:20 114	04:12 49S	09:54 244
2025 May 19 (Mon)		05:04 53S	10:51 249
2025 May 20 (Tue)	00:03 109	05:53 58S	11:46 254
2025 May 21 (Wed)	00:44 103	06:41 64S	12:41 260
2025 May 22 (Thu)	01:24 96	07:28 70S	13:37 267
2025 May 23 (Fri)	02:03 89	08:16 78S	14:33 275
2025 May 24 (Sat)	02:44 82	09:06 85S	15:32 282
2025 May 25 (Sun)	03:28 75	10:00 90N	16:35 289
2025 May 26 (Mon)	04:18 68	10:58 84N	17:42 294
2025 May 27 (Tue)	05:13 64	12:00 80N	18:50 298
2025 May 28 (Wed)	06:14 61	13:06 78N	19:58 300
2025 May 29 (Thu)	07:19 60	14:11 78N	21:01 299
2025 May 30 (Fri)	08:24 62	15:12 81N	21:57 296
2025 May 31 (Sat)	09:26 66	16:08 84N	22:46 292
2025 Jun 01 (Sun)	10:24 71	16:58 89N	23:28 286
2025 Jun 02 (Mon)	11:17 76	17:43 86S	
2025 Jun 03 (Tue)	12:07 82	18:25 81S	00:06 281
2025 Jun 04 (Wed)	12:54 89	19:05 75S	00:40 274
2025 Jun 05 (Thu)	13:41 95	19:45 69S	01:13 268
2025 Jun 06 (Fri)	14:27 101	20:25 63S	01:46 262
2025 Jun 07 (Sat)	15:14 106	21:06 58S	02:19 257
2025 Jun 08 (Sun)	16:04 111	21:50 53S	02:55 252
2025 Jun 09 (Mon)	16:55 115	22:37 50S	03:34 247
2025 Jun 10 (Tue)	17:49 118	23:28 47S	04:17 243
2025 Jun 11 (Wed)	18:44 119		05:05 241
2025 Jun 12 (Thu)	19:38 119	00:21 46S	05:57 240
2025 Jun 13 (Fri)	20:30 118	01:15 46S	06:52 241
2025 Jun 14 (Sat)	21:18 115	02:09 48S	07:49 244
2025 Jun 15 (Sun)	22:02 110	03:01 52S	08:46 247
2025 Jun 16 (Mon)	22:44 104	03:51 56S	09:42 252
2025 Jun 17 (Tue)	23:23 98	04:38 62S	10:37 259
2025 Jun 18 (Wed)		05:25 68S	11:30 265

2025 Jun 19 (Thu)	00:01	91	06:11	75S	12:25	272
2025 Jun 20 (Fri)	00:40	84	06:58	82S	13:21	280
2025 Jun 21 (Sat)	01:22	77	07:49	89S	14:20	286
2025 Jun 22 (Sun)	02:07	71	08:43	86N	15:23	292
2025 Jun 23 (Mon)	02:58	66	09:42	82N	16:29	297
2025 Jun 24 (Tue)	03:55	62	10:45	79N	17:37	299
2025 Jun 25 (Wed)	04:58	60	11:50	78N	18:42	299
2025 Jun 26 (Thu)	06:04	61	12:54	79N	19:42	297
2025 Jun 27 (Fri)	07:08	64	13:54	83N	20:35	294
2025 Jun 28 (Sat)	08:10	69	14:47	87N	21:21	289
2025 Jun 29 (Sun)	09:06	74	15:36	89S	22:01	283
2025 Jun 30 (Mon)	09:58	80	16:20	83S	22:38	277
2025 Jul 01 (Tue)	10:48	86	17:01	77S	23:12	270
2025 Jul 02 (Wed)	11:35	93	17:41	71S	23:45	264
2025 Jul 03 (Thu)	12:22	99	18:21	65S		
2025 Jul 04 (Fri)	13:09	104	19:02	59S	00:18	259
2025 Jul 05 (Sat)	13:57	109	19:45	55S	00:53	253
2025 Jul 06 (Sun)	14:48	114	20:31	51S	01:31	248
2025 Jul 07 (Mon)	15:41	117	21:21	48S	02:12	245
2025 Jul 08 (Tue)	16:36	119	22:13	46S	02:59	242
2025 Jul 09 (Wed)	17:31	120	23:07	46S	03:50	240
2025 Jul 10 (Thu)	18:24	119			04:44	241
2025 Jul 11 (Fri)	19:14	116	00:02	47S	05:42	243
2025 Jul 12 (Sat)	20:01	112	00:56	50S	06:40	246
2025 Jul 13 (Sun)	20:43	106	01:47	55S	07:37	251
2025 Jul 14 (Mon)	21:23	100	02:36	60S	08:32	257
2025 Jul 15 (Tue)	22:02	93	03:23	67S	09:27	263
2025 Jul 16 (Wed)	22:40	86	04:09	73S	10:21	270
2025 Jul 17 (Thu)	23:20	79	04:56	80S	11:16	278
2025 Jul 18 (Fri)			05:44	87S	12:13	284
2025 Jul 19 (Sat)	00:03	73	06:36	88N	13:13	290
2025 Jul 20 (Sun)	00:51	67	07:32	83N	14:16	295
2025 Jul 21 (Mon)	01:44	63	08:32	80N	15:22	299
2025 Jul 22 (Tue)	02:43	61	09:35	78N	16:27	300
2025 Jul 23 (Wed)	03:46	61	10:38	78N	17:28	299
2025 Jul 24 (Thu)	04:51	63	11:39	81N	18:23	296
2025 Jul 25 (Fri)	05:54	66	12:35	85N	19:12	291
2025 Jul 26 (Sat)	06:52	71	13:26	90N	19:55	285
2025 Jul 27 (Sun)	07:47	77	14:12	85S	20:33	279
2025 Jul 28 (Mon)	08:38	84	14:55	79S	21:09	273
2025 Jul 29 (Tue)	09:27	90	15:36	73S	21:42	267
2025 Jul 30 (Wed)	10:14	96	16:17	67S	22:16	261
2025 Jul 31 (Thu)	11:02	102	16:58	61S	22:50	255
2025 Aug 01 (Fri)	11:50	108	17:40	56S	23:27	250
2025 Aug 02 (Sat)	12:40	112	18:25	52S		
2025 Aug 03 (Sun)	13:32	116	19:12	49S	00:07	246
2025 Aug 04 (Mon)	14:26	119	20:03	46S	00:51	243
2025 Aug 05 (Tue)	15:21	120	20:57	46S	01:40	241
2025 Aug 06 (Wed)	16:15	119	21:52	47S	02:33	240
2025 Aug 07 (Thu)	17:06	117	22:46	49S	03:30	241
2025 Aug 08 (Fri)	17:55	113	23:39	53S	04:28	244
2025 Aug 09 (Sat)	18:39	108			05:27	249
2025 Aug 10 (Sun)	19:21	102	00:30	58S	06:24	255
2025 Aug 11 (Mon)	20:01	95	01:19	64S	07:20	261
2025 Aug 12 (Tue)	20:40	88	02:06	71S	08:15	268
2025 Aug 13 (Wed)	21:20	81	02:53	78S	09:11	276
2025 Aug 14 (Thu)	22:02	74	03:42	85S	10:08	283
2025 Aug 15 (Fri)	22:48	68	04:33	90N	11:07	289
2025 Aug 16 (Sat)	23:39	64	05:27	84N	12:09	294
2025 Aug 17 (Sun)			06:25	80N	13:13	298
2025 Aug 18 (Mon)	00:35	61	07:26	78N	14:18	300
2025 Aug 19 (Tue)	01:36	60	08:28	78N	15:19	299
2025 Aug 20 (Wed)	02:39	61	09:28	80N	16:15	297
2025 Aug 21 (Thu)	03:41	65	10:25	83N	17:05	293
2025 Aug 22 (Fri)	04:41	69	11:17	88N	17:50	288
2025 Aug 23 (Sat)	05:36	75	12:05	88S	18:29	282
2025 Aug 24 (Sun)	06:29	81	12:49	82S	19:06	276
2025 Aug 25 (Mon)	07:18	87	13:31	76S	19:40	269
2025 Aug 26 (Tue)	08:06	94	14:12	69S	20:14	263
2025 Aug 27 (Wed)	08:54	100	14:53	64S	20:48	257
2025 Aug 28 (Thu)	09:42	106	15:34	58S	21:24	252
2025 Aug 29 (Fri)	10:32	111	16:18	54S	22:02	247

2025 Aug 30 (Sat)	11:23 115	17:05 50S	22:44 244
2025 Aug 31 (Sun)	12:16 118	17:54 47S	23:31 241
2025 Sep 01 (Mon)	13:10 120	18:46 46S	
2025 Sep 02 (Tue)	14:03 120	19:40 46S	00:22 240
2025 Sep 03 (Wed)	14:56 118	20:34 48S	01:16 241
2025 Sep 04 (Thu)	15:45 115	21:27 51S	02:14 243
2025 Sep 05 (Fri)	16:31 111	22:19 56S	03:12 247
2025 Sep 06 (Sat)	17:15 105	23:09 61S	04:10 252
2025 Sep 07 (Sun)	17:56 98	23:58 68S	05:07 258
2025 Sep 08 (Mon)	18:36 91		06:04 265
2025 Sep 09 (Tue)	19:16 84	00:46 75S	07:01 273
2025 Sep 10 (Wed)	19:59 77	01:35 83S	07:59 280
2025 Sep 11 (Thu)	20:45 70	02:27 89S	08:59 287
2025 Sep 12 (Fri)	21:35 65	03:21 86N	10:02 293
2025 Sep 13 (Sat)	22:30 62	04:19 81N	11:06 297
2025 Sep 14 (Sun)	23:30 60	05:20 79N	12:11 299
2025 Sep 15 (Mon)		06:22 78N	13:14 300
2025 Sep 16 (Tue)	00:32 61	07:23 79N	14:11 298
2025 Sep 17 (Wed)	01:34 63	08:20 82N	15:02 295
2025 Sep 18 (Thu)	02:34 68	09:12 86N	15:48 290
2025 Sep 19 (Fri)	03:29 73	10:01 90S	16:28 284
2025 Sep 20 (Sat)	04:22 79	10:45 84S	17:05 278
2025 Sep 21 (Sun)	05:12 85	11:27 78S	17:39 272
2025 Sep 22 (Mon)	06:00 91	12:08 72S	18:13 266
2025 Sep 23 (Tue)	06:48 98	12:49 66S	18:47 259
2025 Sep 24 (Wed)	07:36 103	13:30 60S	19:22 254
2025 Sep 25 (Thu)	08:25 109	14:13 55S	19:59 249
2025 Sep 26 (Fri)	09:15 113	14:59 51S	20:40 245
2025 Sep 27 (Sat)	10:07 117	15:47 48S	21:24 242
2025 Sep 28 (Sun)	11:00 119	16:37 46S	22:13 240
2025 Sep 29 (Mon)	11:53 120	17:29 46S	23:05 240
2025 Sep 30 (Tue)	12:45 119	18:22 47S	
2025 Oct 01 (Wed)	13:35 117	19:15 49S	00:01 242
2025 Oct 02 (Thu)	14:22 113	20:06 53S	00:57 245
2025 Oct 03 (Fri)	15:06 108	20:56 58S	01:54 249
2025 Oct 04 (Sat)	15:47 102	21:45 65S	02:51 255
2025 Oct 05 (Sun)	16:27 95	22:34 72S	03:47 262
2025 Oct 06 (Mon)	17:08 87	23:23 79S	04:44 269
2025 Oct 07 (Tue)	17:50 80		05:42 276
2025 Oct 08 (Wed)	18:36 73	00:14 86S	06:43 284
2025 Oct 09 (Thu)	19:26 67	01:09 88N	07:46 290
2025 Oct 10 (Fri)	20:21 63	02:07 83N	08:53 295
2025 Oct 11 (Sat)	21:22 61	03:10 79N	10:00 299
2025 Oct 12 (Sun)	22:25 61	04:14 78N	11:06 300
2025 Oct 13 (Mon)	23:28 63	05:16 78N	12:06 299
2025 Oct 14 (Tue)		06:15 81N	13:00 296
2025 Oct 15 (Wed)	00:29 66	07:10 85N	13:47 291
2025 Oct 16 (Thu)	01:25 71	07:59 90N	14:28 286
2025 Oct 17 (Fri)	02:18 77	08:44 86S	15:06 280
2025 Oct 18 (Sat)	03:08 83	09:26 80S	15:41 274
2025 Oct 19 (Sun)	03:56 89	10:07 74S	16:14 268
2025 Oct 20 (Mon)	04:44 95	10:47 68S	16:47 262
2025 Oct 21 (Tue)	05:31 101	11:28 62S	17:22 256
2025 Oct 22 (Wed)	06:19 107	12:10 57S	17:58 251
2025 Oct 23 (Thu)	07:09 112	12:55 53S	18:38 246
2025 Oct 24 (Fri)	08:01 116	13:42 49S	19:21 243
2025 Oct 25 (Sat)	08:54 118	14:31 47S	20:08 241
2025 Oct 26 (Sun)	09:47 120	15:23 46S	20:59 240
2025 Oct 27 (Mon)	10:38 119	16:15 46S	21:52 241
2025 Oct 28 (Tue)	11:28 118	17:07 48S	22:47 243
2025 Oct 29 (Wed)	12:15 115	17:57 52S	23:42 247
2025 Oct 30 (Thu)	12:58 110	18:46 56S	
2025 Oct 31 (Fri)	13:39 105	19:34 62S	00:37 252
2025 Nov 01 (Sat)	14:19 98	20:21 68S	01:32 258
2025 Nov 02 (Sun)	14:58 91	21:08 75S	02:26 265
2025 Nov 03 (Mon)	15:39 84	21:58 82S	03:23 272
2025 Nov 04 (Tue)	16:23 77	22:51 89S	04:21 280
2025 Nov 05 (Wed)	17:11 70	23:48 86N	05:24 287
2025 Nov 06 (Thu)	18:05 65		06:30 293
2025 Nov 07 (Fri)	19:05 61	00:51 81N	07:39 297
2025 Nov 08 (Sat)	20:10 60	01:56 78N	08:49 299
2025 Nov 09 (Sun)	21:16 62	03:02 78N	09:54 299

2025 Nov 10 (Mon)	22:20 65	04:06 80N	10:52 297
2025 Nov 11 (Tue)	23:19 70	05:03 83N	11:43 293
2025 Nov 12 (Wed)		05:55 88N	12:27 288
2025 Nov 13 (Thu)	00:15 75	06:42 88S	13:06 282
2025 Nov 14 (Fri)	01:06 81	07:26 82S	13:42 276
2025 Nov 15 (Sat)	01:54 87	08:07 76S	14:16 269
2025 Nov 16 (Sun)	02:41 94	08:47 70S	14:49 263
2025 Nov 17 (Mon)	03:28 100	09:27 64S	15:23 258
2025 Nov 18 (Tue)	04:16 105	10:09 59S	15:59 252
2025 Nov 19 (Wed)	05:05 110	10:52 54S	16:37 248
2025 Nov 20 (Thu)	05:56 114	11:39 50S	17:19 244
2025 Nov 21 (Fri)	06:49 117	12:27 47S	18:05 242
2025 Nov 22 (Sat)	07:42 119	13:18 46S	18:55 240
2025 Nov 23 (Sun)	08:34 119	14:10 46S	19:47 241
2025 Nov 24 (Mon)	09:24 118	15:02 48S	20:41 243
2025 Nov 25 (Tue)	10:11 116	15:53 51S	21:36 246
2025 Nov 26 (Wed)	10:55 112	16:41 55S	22:30 251
2025 Nov 27 (Thu)	11:36 107	17:28 60S	23:23 256
2025 Nov 28 (Fri)	12:14 101	18:13 66S	
2025 Nov 29 (Sat)	12:52 94	18:58 72S	00:15 262
2025 Nov 30 (Sun)	13:31 87	19:45 79S	01:09 269
2025 Dec 01 (Mon)	14:11 80	20:34 86S	02:04 276
2025 Dec 02 (Tue)	14:56 73	21:28 89N	03:02 283
2025 Dec 03 (Wed)	15:46 67	22:27 83N	04:05 290
2025 Dec 04 (Thu)	16:43 63	23:32 80N	05:12 295
2025 Dec 05 (Fri)	17:47 61		06:23 298
2025 Dec 06 (Sat)	18:54 61	00:39 78N	07:32 299
2025 Dec 07 (Sun)	20:02 63	01:46 79N	08:36 298
2025 Dec 08 (Mon)	21:06 68	02:49 82N	09:32 294
2025 Dec 09 (Tue)	22:05 73	03:45 86N	10:21 290
2025 Dec 10 (Wed)	22:59 79	04:36 90S	11:03 284
2025 Dec 11 (Thu)	23:50 85	05:22 84S	11:41 278
2025 Dec 12 (Fri)		06:05 77S	12:16 271
2025 Dec 13 (Sat)	00:38 92	06:46 71S	12:50 265
2025 Dec 14 (Sun)	01:25 98	07:26 66S	13:24 259
2025 Dec 15 (Mon)	02:13 104	08:07 60S	13:59 254
2025 Dec 16 (Tue)	03:01 109	08:50 55S	14:36 249
2025 Dec 17 (Wed)	03:52 113	09:35 51S	15:17 245
2025 Dec 18 (Thu)	04:44 117	10:23 48S	16:02 242
2025 Dec 19 (Fri)	05:37 119	11:14 46S	16:51 241
2025 Dec 20 (Sat)	06:30 119	12:06 46S	17:43 241
2025 Dec 21 (Sun)	07:21 119	12:58 47S	18:37 242
2025 Dec 22 (Mon)	08:09 116	13:50 50S	19:32 245
2025 Dec 23 (Tue)	08:54 113	14:39 53S	20:26 249
2025 Dec 24 (Wed)	09:36 108	15:26 58S	21:19 255
2025 Dec 25 (Thu)	10:14 102	16:11 64S	22:11 261
2025 Dec 26 (Fri)	10:51 96	16:55 70S	23:02 267
2025 Dec 27 (Sat)	11:28 89	17:40 77S	23:55 274
2025 Dec 28 (Sun)	12:06 83	18:26 84S	
2025 Dec 29 (Mon)	12:47 76	19:16 90S	00:50 281
2025 Dec 30 (Tue)	13:33 70	20:10 86N	01:48 287
2025 Dec 31 (Wed)	14:25 65	21:10 81N	02:51 293