

Sun

Samut Songkhram
Location: E 99°59'31.2", N13°25'47.9", 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)	05:53	06:43	113	12:24 54S	18:04 247		18:54
2025	Jan	02 (Thu)	05:54	06:43	113	12:24 54S	18:05 247		18:54
2025	Jan	03 (Fri)	05:54	06:44	113	12:25 54S	18:05 247		18:55
2025	Jan	04 (Sat)	05:55	06:44	113	12:25 55S	18:06 247		18:55
2025	Jan	05 (Sun)	05:55	06:44	113	12:25 55S	18:06 247		18:56
2025	Jan	06 (Mon)	05:55	06:45	113	12:26 55S	18:07 247		18:56
2025	Jan	07 (Tue)	05:56	06:45	113	12:26 55S	18:08 247		18:57
2025	Jan	08 (Wed)	05:56	06:45	113	12:27 55S	18:08 247		18:58
2025	Jan	09 (Thu)	05:56	06:46	113	12:27 55S	18:09 248		18:58
2025	Jan	10 (Fri)	05:57	06:46	112	12:28 55S	18:09 248		18:59
2025	Jan	11 (Sat)	05:57	06:46	112	12:28 56S	18:10 248		18:59
2025	Jan	12 (Sun)	05:57	06:46	112	12:28 56S	18:10 248		19:00
2025	Jan	13 (Mon)	05:57	06:46	112	12:29 56S	18:11 248		19:00
2025	Jan	14 (Tue)	05:58	06:47	112	12:29 56S	18:12 248		19:01
2025	Jan	15 (Wed)	05:58	06:47	112	12:29 56S	18:12 249		19:01
2025	Jan	16 (Thu)	05:58	06:47	111	12:30 56S	18:13 249		19:02
2025	Jan	17 (Fri)	05:58	06:47	111	12:30 57S	18:13 249		19:02
2025	Jan	18 (Sat)	05:58	06:47	111	12:30 57S	18:14 249		19:02
2025	Jan	19 (Sun)	05:59	06:47	111	12:31 57S	18:14 249		19:03
2025	Jan	20 (Mon)	05:59	06:47	110	12:31 57S	18:15 250		19:03
2025	Jan	21 (Tue)	05:59	06:47	110	12:31 57S	18:15 250		19:04
2025	Jan	22 (Wed)	05:59	06:47	110	12:32 58S	18:16 250		19:04
2025	Jan	23 (Thu)	05:59	06:47	110	12:32 58S	18:16 250		19:05
2025	Jan	24 (Fri)	05:59	06:47	110	12:32 58S	18:17 251		19:05
2025	Jan	25 (Sat)	05:59	06:47	109	12:32 58S	18:17 251		19:06
2025	Jan	26 (Sun)	05:59	06:47	109	12:33 59S	18:18 251		19:06
2025	Jan	27 (Mon)	05:59	06:47	109	12:33 59S	18:18 251		19:06
2025	Jan	28 (Tue)	05:59	06:47	109	12:33 59S	18:19 252		19:07
2025	Jan	29 (Wed)	05:59	06:47	108	12:33 59S	18:19 252		19:07
2025	Jan	30 (Thu)	05:59	06:47	108	12:33 60S	18:20 252		19:08
2025	Jan	31 (Fri)	05:59	06:47	108	12:33 60S	18:20 252		19:08
2025	Feb	01 (Sat)	05:59	06:47	107	12:34 60S	18:21 253		19:08
2025	Feb	02 (Sun)	05:59	06:47	107	12:34 61S	18:21 253		19:09
2025	Feb	03 (Mon)	05:59	06:46	107	12:34 61S	18:21 253		19:09
2025	Feb	04 (Tue)	05:59	06:46	106	12:34 61S	18:22 254		19:09
2025	Feb	05 (Wed)	05:59	06:46	106	12:34 61S	18:22 254		19:10
2025	Feb	06 (Thu)	05:58	06:46	106	12:34 62S	18:23 254		19:10
2025	Feb	07 (Fri)	05:58	06:46	106	12:34 62S	18:23 255		19:10
2025	Feb	08 (Sat)	05:58	06:45	105	12:34 62S	18:23 255		19:11
2025	Feb	09 (Sun)	05:58	06:45	105	12:34 63S	18:24 255		19:11
2025	Feb	10 (Mon)	05:58	06:45	105	12:34 63S	18:24 256		19:11
2025	Feb	11 (Tue)	05:57	06:44	104	12:34 63S	18:24 256		19:11
2025	Feb	12 (Wed)	05:57	06:44	104	12:34 64S	18:25 256		19:12
2025	Feb	13 (Thu)	05:57	06:44	104	12:34 64S	18:25 257		19:12
2025	Feb	14 (Fri)	05:56	06:43	103	12:34 64S	18:25 257		19:12
2025	Feb	15 (Sat)	05:56	06:43	103	12:34 65S	18:25 257		19:12
2025	Feb	16 (Sun)	05:56	06:43	102	12:34 65S	18:26 258		19:13
2025	Feb	17 (Mon)	05:55	06:42	102	12:34 65S	18:26 258		19:13
2025	Feb	18 (Tue)	05:55	06:42	102	12:34 66S	18:26 258		19:13
2025	Feb	19 (Wed)	05:55	06:41	101	12:34 66S	18:27 259		19:13
2025	Feb	20 (Thu)	05:54	06:41	101	12:34 66S	18:27 259		19:13
2025	Feb	21 (Fri)	05:54	06:40	101	12:34 67S	18:27 260		19:14
2025	Feb	22 (Sat)	05:53	06:40	100	12:33 67S	18:27 260		19:14
2025	Feb	23 (Sun)	05:53	06:39	100	12:33 68S	18:27 260		19:14
2025	Feb	24 (Mon)	05:52	06:39	100	12:33 68S	18:28 261		19:14
2025	Feb	25 (Tue)	05:52	06:38	99	12:33 68S	18:28 261		19:14
2025	Feb	26 (Wed)	05:52	06:38	99	12:33 69S	18:28 261		19:14
2025	Feb	27 (Thu)	05:51	06:37	98	12:33 69S	18:28 262		19:15
2025	Feb	28 (Fri)	05:51	06:37	98	12:33 69S	18:28 262		19:15
2025	Mar	01 (Sat)	05:50	06:36	98	12:32 70S	18:29 263		19:15

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

2025	May	13	(Tue)	05:05	05:55	71	12:16	86N	18:38	289	19:27
2025	May	14	(Wed)	05:05	05:54	71	12:16	85N	18:39	290	19:28
2025	May	15	(Thu)	05:05	05:54	70	12:16	85N	18:39	290	19:28
2025	May	16	(Fri)	05:04	05:54	70	12:16	85N	18:39	290	19:29
2025	May	17	(Sat)	05:04	05:54	70	12:16	85N	18:39	290	19:29
2025	May	18	(Sun)	05:04	05:53	70	12:16	85N	18:40	290	19:29
2025	May	19	(Mon)	05:04	05:53	69	12:17	84N	18:40	291	19:30
2025	May	20	(Tue)	05:03	05:53	69	12:17	84N	18:40	291	19:30
2025	May	21	(Wed)	05:03	05:53	69	12:17	84N	18:41	291	19:30
2025	May	22	(Thu)	05:03	05:53	69	12:17	84N	18:41	291	19:31
2025	May	23	(Fri)	05:03	05:53	69	12:17	84N	18:41	292	19:31
2025	May	24	(Sat)	05:02	05:52	68	12:17	83N	18:41	292	19:31
2025	May	25	(Sun)	05:02	05:52	68	12:17	83N	18:42	292	19:32
2025	May	26	(Mon)	05:02	05:52	68	12:17	83N	18:42	292	19:32
2025	May	27	(Tue)	05:02	05:52	68	12:17	83N	18:42	292	19:33
2025	May	28	(Wed)	05:02	05:52	68	12:17	83N	18:43	292	19:33
2025	May	29	(Thu)	05:02	05:52	68	12:17	82N	18:43	293	19:33
2025	May	30	(Fri)	05:02	05:52	67	12:18	82N	18:43	293	19:34
2025	May	31	(Sat)	05:01	05:52	67	12:18	82N	18:44	293	19:34
2025	Jun	01	(Sun)	05:01	05:52	67	12:18	82N	18:44	293	19:34
2025	Jun	02	(Mon)	05:01	05:52	67	12:18	82N	18:44	293	19:35
2025	Jun	03	(Tue)	05:01	05:52	67	12:18	82N	18:45	293	19:35
2025	Jun	04	(Wed)	05:01	05:52	67	12:18	82N	18:45	293	19:36
2025	Jun	05	(Thu)	05:01	05:52	67	12:19	82N	18:45	293	19:36
2025	Jun	06	(Fri)	05:01	05:52	66	12:19	81N	18:45	294	19:36
2025	Jun	07	(Sat)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2025	Jun	08	(Sun)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2025	Jun	09	(Mon)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2025	Jun	10	(Tue)	05:01	05:52	66	12:19	81N	18:47	294	19:38
2025	Jun	11	(Wed)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2025	Jun	12	(Thu)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2025	Jun	13	(Fri)	05:02	05:53	66	12:20	81N	18:47	294	19:39
2025	Jun	14	(Sat)	05:02	05:53	66	12:20	81N	18:48	294	19:39
2025	Jun	15	(Sun)	05:02	05:53	66	12:21	81N	18:48	294	19:39
2025	Jun	16	(Mon)	05:02	05:53	66	12:21	81N	18:48	294	19:39
2025	Jun	17	(Tue)	05:02	05:53	66	12:21	81N	18:48	294	19:40
2025	Jun	18	(Wed)	05:03	05:54	66	12:21	81N	18:49	294	19:40
2025	Jun	19	(Thu)	05:03	05:54	66	12:21	81N	18:49	294	19:40
2025	Jun	20	(Fri)	05:03	05:54	66	12:22	81N	18:49	294	19:40
2025	Jun	21	(Sat)	05:03	05:54	66	12:22	81N	18:49	294	19:41
2025	Jun	22	(Sun)	05:03	05:55	66	12:22	81N	18:50	294	19:41
2025	Jun	23	(Mon)	05:04	05:55	66	12:22	81N	18:50	294	19:41
2025	Jun	24	(Tue)	05:04	05:55	66	12:22	81N	18:50	294	19:41
2025	Jun	25	(Wed)	05:04	05:55	66	12:23	81N	18:50	294	19:41
2025	Jun	26	(Thu)	05:04	05:55	66	12:23	81N	18:50	294	19:41
2025	Jun	27	(Fri)	05:05	05:56	66	12:23	81N	18:51	294	19:42
2025	Jun	28	(Sat)	05:05	05:56	66	12:23	81N	18:51	294	19:42
2025	Jun	29	(Sun)	05:05	05:56	66	12:24	81N	18:51	294	19:42
2025	Jun	30	(Mon)	05:05	05:57	66	12:24	81N	18:51	294	19:42
2025	Jul	01	(Tue)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2025	Jul	02	(Wed)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2025	Jul	03	(Thu)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2025	Jul	04	(Fri)	05:07	05:58	66	12:24	81N	18:51	294	19:42
2025	Jul	05	(Sat)	05:07	05:58	66	12:25	81N	18:51	294	19:42
2025	Jul	06	(Sun)	05:07	05:58	66	12:25	81N	18:51	294	19:42
2025	Jul	07	(Mon)	05:08	05:58	67	12:25	82N	18:51	293	19:42
2025	Jul	08	(Tue)	05:08	05:59	67	12:25	82N	18:52	293	19:42
2025	Jul	09	(Wed)	05:08	05:59	67	12:25	82N	18:52	293	19:42
2025	Jul	10	(Thu)	05:09	05:59	67	12:25	82N	18:52	293	19:42
2025	Jul	11	(Fri)	05:09	06:00	67	12:26	82N	18:51	293	19:42
2025	Jul	12	(Sat)	05:09	06:00	67	12:26	82N	18:51	293	19:42
2025	Jul	13	(Sun)	05:10	06:00	67	12:26	82N	18:51	293	19:42
2025	Jul	14	(Mon)	05:10	06:00	67	12:26	83N	18:51	292	19:42
2025	Jul	15	(Tue)	05:10	06:01	68	12:26	83N	18:51	292	19:42
2025	Jul	16	(Wed)	05:11	06:01	68	12:26	83N	18:51	292	19:41
2025	Jul	17	(Thu)	05:11	06:01	68	12:26	83N	18:51	292	19:41
2025	Jul	18	(Fri)	05:11	06:02	68	12:26	83N	18:51	292	19:41
2025	Jul	19	(Sat)	05:12	06:02	68	12:26	83N	18:51	292	19:41
2025	Jul	20	(Sun)	05:12	06:02	69	12:26	84N	18:51	291	19:41
2025	Jul	21	(Mon)	05:12	06:02	69	12:26	84N	18:50	291	19:40
2025	Jul	22	(Tue)	05:13	06:03	69	12:27	84N	18:50	291	19:40
2025	Jul	23	(Wed)	05:13	06:03	69	12:27	84N	18:50	291	19:40

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

2025	Oct	04	(Sat)	05:24	06:10	94	12:09	73S	18:08	266	18:54
2025	Oct	05	(Sun)	05:24	06:10	95	12:08	72S	18:07	265	18:53
2025	Oct	06	(Mon)	05:24	06:10	95	12:08	72S	18:06	265	18:52
2025	Oct	07	(Tue)	05:24	06:10	95	12:08	72S	18:06	264	18:52
2025	Oct	08	(Wed)	05:24	06:10	96	12:08	71S	18:05	264	18:51
2025	Oct	09	(Thu)	05:24	06:10	96	12:07	71S	18:04	264	18:51
2025	Oct	10	(Fri)	05:24	06:10	97	12:07	71S	18:04	263	18:50
2025	Oct	11	(Sat)	05:24	06:10	97	12:07	70S	18:03	263	18:49
2025	Oct	12	(Sun)	05:24	06:10	97	12:07	70S	18:03	262	18:49
2025	Oct	13	(Mon)	05:24	06:10	98	12:06	69S	18:02	262	18:48
2025	Oct	14	(Tue)	05:24	06:10	98	12:06	69S	18:01	262	18:48
2025	Oct	15	(Wed)	05:24	06:11	99	12:06	69S	18:01	261	18:47
2025	Oct	16	(Thu)	05:24	06:11	99	12:06	68S	18:00	261	18:47
2025	Oct	17	(Fri)	05:25	06:11	99	12:05	68S	18:00	261	18:46
2025	Oct	18	(Sat)	05:25	06:11	100	12:05	68S	17:59	260	18:46
2025	Oct	19	(Sun)	05:25	06:11	100	12:05	67S	17:59	260	18:45
2025	Oct	20	(Mon)	05:25	06:11	100	12:05	67S	17:58	259	18:45
2025	Oct	21	(Tue)	05:25	06:12	101	12:05	66S	17:58	259	18:44
2025	Oct	22	(Wed)	05:25	06:12	101	12:05	66S	17:57	259	18:44
2025	Oct	23	(Thu)	05:25	06:12	102	12:04	66S	17:57	258	18:43
2025	Oct	24	(Fri)	05:25	06:12	102	12:04	65S	17:56	258	18:43
2025	Oct	25	(Sat)	05:26	06:12	102	12:04	65S	17:56	258	18:42
2025	Oct	26	(Sun)	05:26	06:13	103	12:04	65S	17:55	257	18:42
2025	Oct	27	(Mon)	05:26	06:13	103	12:04	64S	17:55	257	18:42
2025	Oct	28	(Tue)	05:26	06:13	103	12:04	64S	17:54	257	18:41
2025	Oct	29	(Wed)	05:26	06:13	104	12:04	64S	17:54	256	18:41
2025	Oct	30	(Thu)	05:27	06:14	104	12:04	63S	17:54	256	18:41
2025	Oct	31	(Fri)	05:27	06:14	104	12:04	63S	17:53	256	18:40
2025	Nov	01	(Sat)	05:27	06:14	105	12:04	63S	17:53	255	18:40
2025	Nov	02	(Sun)	05:27	06:14	105	12:04	62S	17:53	255	18:40
2025	Nov	03	(Mon)	05:27	06:15	105	12:04	62S	17:52	255	18:40
2025	Nov	04	(Tue)	05:28	06:15	106	12:04	62S	17:52	254	18:39
2025	Nov	05	(Wed)	05:28	06:15	106	12:04	62S	17:52	254	18:39
2025	Nov	06	(Thu)	05:28	06:16	106	12:04	61S	17:51	254	18:39
2025	Nov	07	(Fri)	05:29	06:16	107	12:04	61S	17:51	253	18:39
2025	Nov	08	(Sat)	05:29	06:16	107	12:04	61S	17:51	253	18:39
2025	Nov	09	(Sun)	05:29	06:17	107	12:04	60S	17:51	253	18:38
2025	Nov	10	(Mon)	05:29	06:17	107	12:04	60S	17:51	252	18:38
2025	Nov	11	(Tue)	05:30	06:18	108	12:04	60S	17:50	252	18:38
2025	Nov	12	(Wed)	05:30	06:18	108	12:04	60S	17:50	252	18:38
2025	Nov	13	(Thu)	05:30	06:18	108	12:04	59S	17:50	252	18:38
2025	Nov	14	(Fri)	05:31	06:19	109	12:04	59S	17:50	251	18:38
2025	Nov	15	(Sat)	05:31	06:19	109	12:05	59S	17:50	251	18:38
2025	Nov	16	(Sun)	05:31	06:20	109	12:05	58S	17:50	251	18:38
2025	Nov	17	(Mon)	05:32	06:20	109	12:05	58S	17:50	251	18:38
2025	Nov	18	(Tue)	05:32	06:21	110	12:05	58S	17:50	250	18:38
2025	Nov	19	(Wed)	05:33	06:21	110	12:05	58S	17:50	250	18:38
2025	Nov	20	(Thu)	05:33	06:22	110	12:06	58S	17:50	250	18:38
2025	Nov	21	(Fri)	05:33	06:22	110	12:06	57S	17:50	250	18:38
2025	Nov	22	(Sat)	05:34	06:23	111	12:06	57S	17:50	249	18:38
2025	Nov	23	(Sun)	05:34	06:23	111	12:06	57S	17:50	249	18:38
2025	Nov	24	(Mon)	05:35	06:24	111	12:07	57S	17:50	249	18:39
2025	Nov	25	(Tue)	05:35	06:24	111	12:07	56S	17:50	249	18:39
2025	Nov	26	(Wed)	05:36	06:25	111	12:07	56S	17:50	249	18:39
2025	Nov	27	(Thu)	05:36	06:25	112	12:08	56S	17:50	248	18:39
2025	Nov	28	(Fri)	05:37	06:26	112	12:08	56S	17:50	248	18:39
2025	Nov	29	(Sat)	05:37	06:26	112	12:08	56S	17:50	248	18:40
2025	Nov	30	(Sun)	05:38	06:27	112	12:09	56S	17:51	248	18:40
2025	Dec	01	(Mon)	05:38	06:27	112	12:09	55S	17:51	248	18:40
2025	Dec	02	(Tue)	05:38	06:28	112	12:09	55S	17:51	248	18:40
2025	Dec	03	(Wed)	05:39	06:28	113	12:10	55S	17:51	247	18:41
2025	Dec	04	(Thu)	05:39	06:29	113	12:10	55S	17:52	247	18:41
2025	Dec	05	(Fri)	05:40	06:29	113	12:11	55S	17:52	247	18:41
2025	Dec	06	(Sat)	05:40	06:30	113	12:11	55S	17:52	247	18:42
2025	Dec	07	(Sun)	05:41	06:30	113	12:11	55S	17:52	247	18:42
2025	Dec	08	(Mon)	05:42	06:31	113	12:12	55S	17:53	247	18:42
2025	Dec	09	(Tue)	05:42	06:32	113	12:12	54S	17:53	247	18:43
2025	Dec	10	(Wed)	05:43	06:32	113	12:13	54S	17:53	247	18:43
2025	Dec	11	(Thu)	05:43	06:33	113	12:13	54S	17:54	246	18:43
2025	Dec	12	(Fri)	05:44	06:33	114	12:14	54S	17:54	246	18:44
2025	Dec	13	(Sat)	05:44	06:34	114	12:14	54S	17:55	246	18:44
2025	Dec	14	(Sun)	05:45	06:34	114	12:15	54S	17:55	246	18:45

2025	Dec 15	(Mon)	05:45	06:35	114	12:15	54S	17:55	246	18:45
2025	Dec 16	(Tue)	05:46	06:35	114	12:16	54S	17:56	246	18:46
2025	Dec 17	(Wed)	05:46	06:36	114	12:16	54S	17:56	246	18:46
2025	Dec 18	(Thu)	05:47	06:36	114	12:17	54S	17:57	246	18:47
2025	Dec 19	(Fri)	05:47	06:37	114	12:17	54S	17:57	246	18:47
2025	Dec 20	(Sat)	05:48	06:37	114	12:18	54S	17:58	246	18:47
2025	Dec 21	(Sun)	05:48	06:38	114	12:18	54S	17:58	246	18:48
2025	Dec 22	(Mon)	05:49	06:38	114	12:19	54S	17:59	246	18:48
2025	Dec 23	(Tue)	05:49	06:39	114	12:19	54S	17:59	246	18:49
2025	Dec 24	(Wed)	05:50	06:39	114	12:20	54S	18:00	246	18:49
2025	Dec 25	(Thu)	05:50	06:40	114	12:20	54S	18:00	246	18:50
2025	Dec 26	(Fri)	05:51	06:40	114	12:21	54S	18:01	246	18:51
2025	Dec 27	(Sat)	05:51	06:41	114	12:21	54S	18:01	246	18:51
2025	Dec 28	(Sun)	05:52	06:41	114	12:22	54S	18:02	246	18:52
2025	Dec 29	(Mon)	05:52	06:42	114	12:22	54S	18:02	246	18:52
2025	Dec 30	(Tue)	05:52	06:42	114	12:23	54S	18:03	246	18:53
2025	Dec 31	(Wed)	05:53	06:43	114	12:23	54S	18:04	246	18:53

Sun

Samut Songkhram
Location: E 99°59'31.2", N13°25'47.9", 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 °		h m
2025 Jan 01 (Wed)	06:20	06:43 113		12:24 54S		18:04 247		18:27
2025 Jan 02 (Thu)	06:20	06:43 113		12:24 54S		18:05 247		18:28
2025 Jan 03 (Fri)	06:21	06:44 113		12:25 54S		18:05 247		18:28
2025 Jan 04 (Sat)	06:21	06:44 113		12:25 55S		18:06 247		18:29
2025 Jan 05 (Sun)	06:21	06:44 113		12:25 55S		18:06 247		18:29
2025 Jan 06 (Mon)	06:22	06:45 113		12:26 55S		18:07 247		18:30
2025 Jan 07 (Tue)	06:22	06:45 113		12:26 55S		18:08 247		18:31
2025 Jan 08 (Wed)	06:22	06:45 113		12:27 55S		18:08 247		18:31
2025 Jan 09 (Thu)	06:23	06:46 113		12:27 55S		18:09 248		18:32
2025 Jan 10 (Fri)	06:23	06:46 112		12:28 55S		18:09 248		18:32
2025 Jan 11 (Sat)	06:23	06:46 112		12:28 56S		18:10 248		18:33
2025 Jan 12 (Sun)	06:23	06:46 112		12:28 56S		18:10 248		18:33
2025 Jan 13 (Mon)	06:24	06:46 112		12:29 56S		18:11 248		18:34
2025 Jan 14 (Tue)	06:24	06:47 112		12:29 56S		18:12 248		18:34
2025 Jan 15 (Wed)	06:24	06:47 112		12:29 56S		18:12 249		18:35
2025 Jan 16 (Thu)	06:24	06:47 111		12:30 56S		18:13 249		18:35
2025 Jan 17 (Fri)	06:24	06:47 111		12:30 57S		18:13 249		18:36
2025 Jan 18 (Sat)	06:25	06:47 111		12:30 57S		18:14 249		18:36
2025 Jan 19 (Sun)	06:25	06:47 111		12:31 57S		18:14 249		18:37
2025 Jan 20 (Mon)	06:25	06:47 110		12:31 57S		18:15 250		18:37
2025 Jan 21 (Tue)	06:25	06:47 110		12:31 57S		18:15 250		18:38
2025 Jan 22 (Wed)	06:25	06:47 110		12:32 58S		18:16 250		18:38
2025 Jan 23 (Thu)	06:25	06:47 110		12:32 58S		18:16 250		18:39
2025 Jan 24 (Fri)	06:25	06:47 110		12:32 58S		18:17 251		18:39
2025 Jan 25 (Sat)	06:25	06:47 109		12:32 58S		18:17 251		18:40
2025 Jan 26 (Sun)	06:25	06:47 109		12:33 59S		18:18 251		18:40
2025 Jan 27 (Mon)	06:25	06:47 109		12:33 59S		18:18 251		18:41
2025 Jan 28 (Tue)	06:25	06:47 109		12:33 59S		18:19 252		18:41
2025 Jan 29 (Wed)	06:25	06:47 108		12:33 59S		18:19 252		18:41
2025 Jan 30 (Thu)	06:25	06:47 108		12:33 60S		18:20 252		18:42
2025 Jan 31 (Fri)	06:25	06:47 108		12:33 60S		18:20 252		18:42
2025 Feb 01 (Sat)	06:25	06:47 107		12:34 60S		18:21 253		18:43
2025 Feb 02 (Sun)	06:24	06:47 107		12:34 61S		18:21 253		18:43
2025 Feb 03 (Mon)	06:24	06:46 107		12:34 61S		18:21 253		18:43
2025 Feb 04 (Tue)	06:24	06:46 106		12:34 61S		18:22 254		18:44
2025 Feb 05 (Wed)	06:24	06:46 106		12:34 61S		18:22 254		18:44
2025 Feb 06 (Thu)	06:24	06:46 106		12:34 62S		18:23 254		18:45
2025 Feb 07 (Fri)	06:24	06:46 106		12:34 62S		18:23 255		18:45
2025 Feb 08 (Sat)	06:23	06:45 105		12:34 62S		18:23 255		18:45
2025 Feb 09 (Sun)	06:23	06:45 105		12:34 63S		18:24 255		18:45
2025 Feb 10 (Mon)	06:23	06:45 105		12:34 63S		18:24 256		18:46
2025 Feb 11 (Tue)	06:23	06:44 104		12:34 63S		18:24 256		18:46

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

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

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

2025	Sep	16	(Tue)	05:48	06:09	87	12:15	80S	18:21	273	18:42
2025	Sep	17	(Wed)	05:48	06:09	87	12:15	79S	18:20	272	18:41
2025	Sep	18	(Thu)	05:48	06:09	88	12:14	79S	18:19	272	18:40
2025	Sep	19	(Fri)	05:48	06:09	88	12:14	79S	18:18	272	18:40
2025	Sep	20	(Sat)	05:48	06:09	89	12:13	78S	18:18	271	18:39
2025	Sep	21	(Sun)	05:48	06:09	89	12:13	78S	18:17	271	18:38
2025	Sep	22	(Mon)	05:48	06:09	89	12:13	77S	18:16	270	18:37
2025	Sep	23	(Tue)	05:48	06:09	90	12:12	77S	18:15	270	18:37
2025	Sep	24	(Wed)	05:48	06:09	90	12:12	77S	18:15	270	18:36
2025	Sep	25	(Thu)	05:48	06:09	91	12:12	76S	18:14	269	18:35
2025	Sep	26	(Fri)	05:48	06:09	91	12:11	76S	18:13	269	18:35
2025	Sep	27	(Sat)	05:48	06:09	91	12:11	76S	18:13	268	18:34
2025	Sep	28	(Sun)	05:48	06:09	92	12:11	75S	18:12	268	18:33
2025	Sep	29	(Mon)	05:48	06:09	92	12:10	75S	18:11	268	18:32
2025	Sep	30	(Tue)	05:48	06:09	93	12:10	74S	18:11	267	18:32
2025	Oct	01	(Wed)	05:48	06:09	93	12:10	74S	18:10	267	18:31
2025	Oct	02	(Thu)	05:48	06:09	93	12:09	74S	18:09	266	18:30
2025	Oct	03	(Fri)	05:48	06:10	94	12:09	73S	18:08	266	18:30
2025	Oct	04	(Sat)	05:48	06:10	94	12:09	73S	18:08	266	18:29
2025	Oct	05	(Sun)	05:48	06:10	95	12:08	72S	18:07	265	18:28
2025	Oct	06	(Mon)	05:48	06:10	95	12:08	72S	18:06	265	18:28
2025	Oct	07	(Tue)	05:48	06:10	95	12:08	72S	18:06	264	18:27
2025	Oct	08	(Wed)	05:49	06:10	96	12:08	71S	18:05	264	18:26
2025	Oct	09	(Thu)	05:49	06:10	96	12:07	71S	18:04	264	18:26
2025	Oct	10	(Fri)	05:49	06:10	97	12:07	71S	18:04	263	18:25
2025	Oct	11	(Sat)	05:49	06:10	97	12:07	70S	18:03	263	18:25
2025	Oct	12	(Sun)	05:49	06:10	97	12:07	70S	18:03	262	18:24
2025	Oct	13	(Mon)	05:49	06:10	98	12:06	69S	18:02	262	18:23
2025	Oct	14	(Tue)	05:49	06:10	98	12:06	69S	18:01	262	18:23
2025	Oct	15	(Wed)	05:49	06:11	99	12:06	69S	18:01	261	18:22
2025	Oct	16	(Thu)	05:49	06:11	99	12:06	68S	18:00	261	18:22
2025	Oct	17	(Fri)	05:49	06:11	99	12:05	68S	18:00	261	18:21
2025	Oct	18	(Sat)	05:50	06:11	100	12:05	68S	17:59	260	18:21
2025	Oct	19	(Sun)	05:50	06:11	100	12:05	67S	17:59	260	18:20
2025	Oct	20	(Mon)	05:50	06:11	100	12:05	67S	17:58	259	18:20
2025	Oct	21	(Tue)	05:50	06:12	101	12:05	66S	17:58	259	18:19
2025	Oct	22	(Wed)	05:50	06:12	101	12:05	66S	17:57	259	18:19
2025	Oct	23	(Thu)	05:50	06:12	102	12:04	66S	17:57	258	18:18
2025	Oct	24	(Fri)	05:51	06:12	102	12:04	65S	17:56	258	18:18
2025	Oct	25	(Sat)	05:51	06:12	102	12:04	65S	17:56	258	18:17
2025	Oct	26	(Sun)	05:51	06:13	103	12:04	65S	17:55	257	18:17
2025	Oct	27	(Mon)	05:51	06:13	103	12:04	64S	17:55	257	18:17
2025	Oct	28	(Tue)	05:51	06:13	103	12:04	64S	17:54	257	18:16
2025	Oct	29	(Wed)	05:52	06:13	104	12:04	64S	17:54	256	18:16
2025	Oct	30	(Thu)	05:52	06:14	104	12:04	63S	17:54	256	18:15
2025	Oct	31	(Fri)	05:52	06:14	104	12:04	63S	17:53	256	18:15
2025	Nov	01	(Sat)	05:52	06:14	105	12:04	63S	17:53	255	18:15
2025	Nov	02	(Sun)	05:53	06:14	105	12:04	62S	17:53	255	18:15
2025	Nov	03	(Mon)	05:53	06:15	105	12:04	62S	17:52	255	18:14
2025	Nov	04	(Tue)	05:53	06:15	106	12:04	62S	17:52	254	18:14
2025	Nov	05	(Wed)	05:53	06:15	106	12:04	62S	17:52	254	18:14
2025	Nov	06	(Thu)	05:54	06:16	106	12:04	61S	17:51	254	18:13
2025	Nov	07	(Fri)	05:54	06:16	107	12:04	61S	17:51	253	18:13
2025	Nov	08	(Sat)	05:54	06:16	107	12:04	61S	17:51	253	18:13
2025	Nov	09	(Sun)	05:55	06:17	107	12:04	60S	17:51	253	18:13
2025	Nov	10	(Mon)	05:55	06:17	107	12:04	60S	17:51	252	18:13
2025	Nov	11	(Tue)	05:55	06:18	108	12:04	60S	17:50	252	18:13
2025	Nov	12	(Wed)	05:56	06:18	108	12:04	60S	17:50	252	18:12
2025	Nov	13	(Thu)	05:56	06:18	108	12:04	59S	17:50	252	18:12
2025	Nov	14	(Fri)	05:57	06:19	109	12:04	59S	17:50	251	18:12
2025	Nov	15	(Sat)	05:57	06:19	109	12:05	59S	17:50	251	18:12
2025	Nov	16	(Sun)	05:57	06:20	109	12:05	58S	17:50	251	18:12
2025	Nov	17	(Mon)	05:58	06:20	109	12:05	58S	17:50	251	18:12
2025	Nov	18	(Tue)	05:58	06:21	110	12:05	58S	17:50	250	18:12
2025	Nov	19	(Wed)	05:59	06:21	110	12:05	58S	17:50	250	18:12
2025	Nov	20	(Thu)	05:59	06:22	110	12:06	58S	17:50	250	18:12
2025	Nov	21	(Fri)	05:59	06:22	110	12:06	57S	17:50	250	18:12
2025	Nov	22	(Sat)	06:00	06:23	111	12:06	57S	17:50	249	18:12
2025	Nov	23	(Sun)	06:00	06:23	111	12:06	57S	17:50	249	18:12
2025	Nov	24	(Mon)	06:01	06:24	111	12:07	57S	17:50	249	18:12
2025	Nov	25	(Tue)	06:01	06:24	111	12:07	56S	17:50	249	18:13
2025	Nov	26	(Wed)	06:02	06:25	111	12:07	56S	17:50	249	18:13

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

Moon

Samut Songkhram
Location: E 99°59'31.2", N13°25'47.9", 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)	07:52	117		13:38	52S		19:26	245	
2025	Jan	02	(Thu)	08:43	113		14:33	56S		20:25	250	
2025	Jan	03	(Fri)	09:29	107		15:24	61S		21:22	255	
2025	Jan	04	(Sat)	10:13	101		16:13	68S		22:17	262	
2025	Jan	05	(Sun)	10:54	94		17:01	74S		23:11	269	
2025	Jan	06	(Mon)	11:34	87		17:48	81S				
2025	Jan	07	(Tue)	12:15	80		18:36	88S		00:05	276	
2025	Jan	08	(Wed)	12:58	74		19:27	87N		01:00	283	
2025	Jan	09	(Thu)	13:46	68		20:21	82N		01:58	289	
2025	Jan	10	(Fri)	14:38	64		21:19	78N		02:59	294	
2025	Jan	11	(Sat)	15:35	61		22:20	76N		04:03	298	
2025	Jan	12	(Sun)	16:36	61		23:22	76N		05:06	299	
2025	Jan	13	(Mon)	17:38	62					06:06	299	
2025	Jan	14	(Tue)	18:38	65		00:21	78N		07:02	296	
2025	Jan	15	(Wed)	19:34	70		01:16	81N		07:51	293	
2025	Jan	16	(Thu)	20:27	75		02:06	86N		08:35	288	
2025	Jan	17	(Fri)	21:16	81		02:52	90S		09:14	282	
2025	Jan	18	(Sat)	22:02	87		03:34	85S		09:50	276	
2025	Jan	19	(Sun)	22:47	93		04:15	79S		10:24	270	
2025	Jan	20	(Mon)	23:33	99		04:54	73S		10:58	264	
2025	Jan	21	(Tue)				05:33	67S		11:32	258	
2025	Jan	22	(Wed)	00:19	105		06:14	61S		12:08	253	
2025	Jan	23	(Thu)	01:07	110		06:58	57S		12:47	248	
2025	Jan	24	(Fri)	01:57	114		07:45	53S		13:30	244	
2025	Jan	25	(Sat)	02:51	117		08:36	50S		14:19	242	

2025	Jan	26	(Sun)	03:47	119	09:30	48S	15:13	241
2025	Jan	27	(Mon)	04:44	119	10:27	48S	16:11	241
2025	Jan	28	(Tue)	05:40	118	11:25	50S	17:11	243
2025	Jan	29	(Wed)	06:33	115	12:22	54S	18:12	248
2025	Jan	30	(Thu)	07:23	110	13:16	59S	19:11	253
2025	Jan	31	(Fri)	08:08	104	14:07	65S	20:09	260
2025	Feb	01	(Sat)	08:51	97	14:56	72S	21:05	267
2025	Feb	02	(Sun)	09:33	89	15:45	79S	22:00	274
2025	Feb	03	(Mon)	10:14	82	16:33	86S	22:56	281
2025	Feb	04	(Tue)	10:57	76	17:24	88N	23:54	288
2025	Feb	05	(Wed)	11:43	70	18:17	83N		
2025	Feb	06	(Thu)	12:34	65	19:13	79N	00:53	293
2025	Feb	07	(Fri)	13:28	62	20:12	76N	01:55	297
2025	Feb	08	(Sat)	14:27	61	21:12	75N	02:57	299
2025	Feb	09	(Sun)	15:27	61	22:11	77N	03:58	299
2025	Feb	10	(Mon)	16:27	64	23:07	79N	04:54	298
2025	Feb	11	(Tue)	17:24	68	23:58	84N	05:44	294
2025	Feb	12	(Wed)	18:17	73			06:29	290
2025	Feb	13	(Thu)	19:08	78	00:45	89N	07:10	284
2025	Feb	14	(Fri)	19:55	85	01:29	87S	07:47	278
2025	Feb	15	(Sat)	20:41	91	02:10	81S	08:22	272
2025	Feb	16	(Sun)	21:26	97	02:50	75S	08:56	266
2025	Feb	17	(Mon)	22:12	103	03:29	69S	09:29	260
2025	Feb	18	(Tue)	22:59	108	04:09	63S	10:05	255
2025	Feb	19	(Wed)	23:48	112	04:52	58S	10:42	250
2025	Feb	20	(Thu)			05:37	54S	11:23	246
2025	Feb	21	(Fri)	00:40	116	06:25	51S	12:09	243
2025	Feb	22	(Sat)	01:34	119	07:17	49S	12:59	241
2025	Feb	23	(Sun)	02:30	120	08:12	48S	13:55	241
2025	Feb	24	(Mon)	03:26	119	09:09	49S	14:53	242
2025	Feb	25	(Tue)	04:20	116	10:06	52S	15:54	245
2025	Feb	26	(Wed)	05:11	112	11:01	56S	16:54	250
2025	Feb	27	(Thu)	05:58	107	11:54	62S	17:53	256
2025	Feb	28	(Fri)	06:43	100	12:45	69S	18:51	264
2025	Mar	01	(Sat)	07:26	93	13:35	76S	19:48	271
2025	Mar	02	(Sun)	08:09	85	14:25	84S	20:46	279
2025	Mar	03	(Mon)	08:53	78	15:17	91N	21:45	286
2025	Mar	04	(Tue)	09:39	71	16:11	84N	22:46	292
2025	Mar	05	(Wed)	10:29	66	17:07	80N	23:48	296
2025	Mar	06	(Thu)	11:24	62	18:07	76N		
2025	Mar	07	(Fri)	12:21	61	19:07	75N	00:51	299
2025	Mar	08	(Sat)	13:21	61	20:06	76N	01:53	300
2025	Mar	09	(Sun)	14:21	63	21:02	78N	02:50	298
2025	Mar	10	(Mon)	15:18	66	21:54	82N	03:41	296
2025	Mar	11	(Tue)	16:12	71	22:42	87N	04:27	291
2025	Mar	12	(Wed)	17:02	76	23:26	89S	05:09	286
2025	Mar	13	(Thu)	17:50	82			05:46	281
2025	Mar	14	(Fri)	18:36	88	00:07	83S	06:21	275
2025	Mar	15	(Sat)	19:21	95	00:47	77S	06:55	269
2025	Mar	16	(Sun)	20:07	100	01:27	71S	07:29	263
2025	Mar	17	(Mon)	20:53	106	02:06	65S	08:03	257
2025	Mar	18	(Tue)	21:42	111	02:48	60S	08:40	252
2025	Mar	19	(Wed)	22:32	115	03:32	56S	09:20	247
2025	Mar	20	(Thu)	23:25	118	04:18	52S	10:03	244
2025	Mar	21	(Fri)			05:08	49S	10:51	241
2025	Mar	22	(Sat)	00:19	119	06:01	48S	11:43	240
2025	Mar	23	(Sun)	01:14	119	06:56	48S	12:39	241
2025	Mar	24	(Mon)	02:07	118	07:51	50S	13:37	243
2025	Mar	25	(Tue)	02:58	115	08:46	54S	14:36	248
2025	Mar	26	(Wed)	03:46	110	09:39	59S	15:34	253
2025	Mar	27	(Thu)	04:32	104	10:30	65S	16:32	260
2025	Mar	28	(Fri)	05:15	97	11:21	72S	17:30	267
2025	Mar	29	(Sat)	05:58	89	12:11	80S	18:28	275
2025	Mar	30	(Sun)	06:42	81	13:03	87S	19:28	282
2025	Mar	31	(Mon)	07:29	74	13:57	87N	20:30	289
2025	Apr	01	(Tue)	08:19	68	14:55	81N	21:34	294
2025	Apr	02	(Wed)	09:14	64	15:56	77N	22:40	298
2025	Apr	03	(Thu)	10:13	61	16:58	75N	23:44	300
2025	Apr	04	(Fri)	11:14	61	18:00	75N		
2025	Apr	05	(Sat)	12:15	62	18:58	77N	00:44	299
2025	Apr	06	(Sun)	13:13	65	19:51	81N	01:39	297
2025	Apr	07	(Mon)	14:08	69	20:40	85N	02:26	293

2025 Apr 08 (Tue)	14:59 75	21:25 91N	03:09 288
2025 Apr 09 (Wed)	15:48 80	22:07 85S	03:47 282
2025 Apr 10 (Thu)	16:34 86	22:47 79S	04:23 277
2025 Apr 11 (Fri)	17:19 92	23:26 73S	04:57 271
2025 Apr 12 (Sat)	18:04 98		05:30 265
2025 Apr 13 (Sun)	18:50 104	00:05 67S	06:04 259
2025 Apr 14 (Mon)	19:37 109	00:46 62S	06:40 253
2025 Apr 15 (Tue)	20:27 114	01:29 57S	07:18 249
2025 Apr 16 (Wed)	21:19 117	02:15 53S	08:00 245
2025 Apr 17 (Thu)	22:13 119	03:04 50S	08:47 242
2025 Apr 18 (Fri)	23:07 120	03:55 48S	09:37 241
2025 Apr 19 (Sat)	24:00 119	04:49 48S	10:31 241
2025 Apr 20 (Sun)		05:43 49S	11:27 242
2025 Apr 21 (Mon)	00:50 116	06:36 52S	12:24 246
2025 Apr 22 (Tue)	01:38 112	07:28 57S	13:21 251
2025 Apr 23 (Wed)	02:23 107	08:18 62S	14:17 256
2025 Apr 24 (Thu)	03:06 100	09:07 69S	15:12 263
2025 Apr 25 (Fri)	03:48 93	09:56 76S	16:09 271
2025 Apr 26 (Sat)	04:30 85	10:47 83S	17:07 278
2025 Apr 27 (Sun)	05:15 78	11:40 91S	18:08 286
2025 Apr 28 (Mon)	06:04 71	12:36 84N	19:13 292
2025 Apr 29 (Tue)	06:58 66	13:37 79N	20:20 296
2025 Apr 30 (Wed)	07:57 62	14:41 76N	21:27 299
2025 May 01 (Thu)	08:59 61	15:46 75N	22:32 299
2025 May 02 (Fri)	10:03 61	16:48 77N	23:30 298
2025 May 03 (Sat)	11:05 64	17:45 80N	
2025 May 04 (Sun)	12:02 68	18:36 84N	00:22 294
2025 May 05 (Mon)	12:55 73	19:23 89N	01:07 290
2025 May 06 (Tue)	13:45 79	20:06 87S	01:47 284
2025 May 07 (Wed)	14:32 85	20:46 81S	02:24 278
2025 May 08 (Thu)	15:17 91	21:26 75S	02:58 272
2025 May 09 (Fri)	16:02 97	22:05 69S	03:32 266
2025 May 10 (Sat)	16:47 102	22:45 64S	04:05 261
2025 May 11 (Sun)	17:34 108	23:27 59S	04:40 255
2025 May 12 (Mon)	18:23 112		05:18 250
2025 May 13 (Tue)	19:15 116	00:12 54S	05:59 246
2025 May 14 (Wed)	20:08 118	01:00 51S	06:44 243
2025 May 15 (Thu)	21:02 119	01:51 49S	07:34 241
2025 May 16 (Fri)	21:56 119	02:44 48S	08:27 241
2025 May 17 (Sat)	22:46 117	03:38 49S	09:22 242
2025 May 18 (Sun)	23:34 113	04:31 51S	10:18 245
2025 May 19 (Mon)		05:23 55S	11:14 249
2025 May 20 (Tue)	00:19 108	06:12 60S	12:08 254
2025 May 21 (Wed)	01:01 103	07:00 66S	13:02 261
2025 May 22 (Thu)	01:42 96	07:47 73S	13:56 268
2025 May 23 (Fri)	02:22 89	08:35 80S	14:51 275
2025 May 24 (Sat)	03:05 82	09:25 87S	15:49 282
2025 May 25 (Sun)	03:50 75	10:18 87N	16:51 289
2025 May 26 (Mon)	04:41 68	11:17 82N	17:56 294
2025 May 27 (Tue)	05:37 64	12:19 78N	19:04 298
2025 May 28 (Wed)	06:39 61	13:25 76N	20:12 299
2025 May 29 (Thu)	07:44 61	14:30 76N	21:15 298
2025 May 30 (Fri)	08:49 63	15:31 78N	22:11 296
2025 May 31 (Sat)	09:50 66	16:27 82N	23:01 291
2025 Jun 01 (Sun)	10:47 71	17:17 87N	23:44 286
2025 Jun 02 (Mon)	11:39 77	18:02 89S	
2025 Jun 03 (Tue)	12:27 83	18:44 83S	00:23 280
2025 Jun 04 (Wed)	13:13 89	19:24 77S	00:58 274
2025 Jun 05 (Thu)	13:59 95	20:04 71S	01:32 268
2025 Jun 06 (Fri)	14:44 101	20:43 65S	02:06 262
2025 Jun 07 (Sat)	15:30 106	21:25 60S	02:40 257
2025 Jun 08 (Sun)	16:19 111	22:09 56S	03:17 252
2025 Jun 09 (Mon)	17:10 115	22:56 52S	03:57 247
2025 Jun 10 (Tue)	18:03 118	23:47 49S	04:41 244
2025 Jun 11 (Wed)	18:57 119		05:29 242
2025 Jun 12 (Thu)	19:51 119	00:40 48S	06:22 241
2025 Jun 13 (Fri)	20:43 117	01:34 49S	07:17 241
2025 Jun 14 (Sat)	21:32 114	02:28 51S	08:13 244
2025 Jun 15 (Sun)	22:18 110	03:20 54S	09:09 248
2025 Jun 16 (Mon)	23:00 104	04:10 59S	10:04 253
2025 Jun 17 (Tue)	23:40 98	04:57 65S	10:58 259
2025 Jun 18 (Wed)		05:44 71S	11:50 265

2025 Jun 19 (Thu)	00:20	91	06:30	78S	12:43	272
2025 Jun 20 (Fri)	01:00	84	07:17	85S	13:38	280
2025 Jun 21 (Sat)	01:43	77	08:08	90N	14:36	286
2025 Jun 22 (Sun)	02:29	71	09:02	84N	15:38	292
2025 Jun 23 (Mon)	03:22	66	10:01	79N	16:43	296
2025 Jun 24 (Tue)	04:20	62	11:04	76N	17:50	299
2025 Jun 25 (Wed)	05:23	61	12:10	75N	18:56	299
2025 Jun 26 (Thu)	06:28	62	13:13	77N	19:56	297
2025 Jun 27 (Fri)	07:33	64	14:13	80N	20:50	293
2025 Jun 28 (Sat)	08:33	69	15:06	85N	21:36	288
2025 Jun 29 (Sun)	09:28	74	15:55	90N	22:18	283
2025 Jun 30 (Mon)	10:19	80	16:39	85S	22:55	277
2025 Jul 01 (Tue)	11:07	86	17:20	79S	23:30	270
2025 Jul 02 (Wed)	11:53	93	18:00	73S		
2025 Jul 03 (Thu)	12:39	99	18:40	67S	00:04	264
2025 Jul 04 (Fri)	13:25	104	19:21	62S	00:39	259
2025 Jul 05 (Sat)	14:13	109	20:04	57S	01:15	253
2025 Jul 06 (Sun)	15:03	114	20:50	53S	01:54	249
2025 Jul 07 (Mon)	15:55	117	21:40	50S	02:36	245
2025 Jul 08 (Tue)	16:49	119	22:32	48S	03:23	242
2025 Jul 09 (Wed)	17:44	119	23:26	48S	04:14	241
2025 Jul 10 (Thu)	18:37	118			05:09	241
2025 Jul 11 (Fri)	19:28	115	00:21	50S	06:06	243
2025 Jul 12 (Sat)	20:15	111	01:15	53S	07:03	246
2025 Jul 13 (Sun)	20:59	106	02:06	57S	07:59	251
2025 Jul 14 (Mon)	21:40	100	02:55	63S	08:54	257
2025 Jul 15 (Tue)	22:20	93	03:42	69S	09:47	264
2025 Jul 16 (Wed)	23:00	86	04:28	76S	10:40	271
2025 Jul 17 (Thu)	23:41	79	05:15	83S	11:33	278
2025 Jul 18 (Fri)			06:03	90S	12:29	284
2025 Jul 19 (Sat)	00:25	73	06:55	86N	13:28	290
2025 Jul 20 (Sun)	01:14	67	07:51	81N	14:30	295
2025 Jul 21 (Mon)	02:08	63	08:51	77N	15:35	298
2025 Jul 22 (Tue)	03:08	61	09:54	75N	16:40	299
2025 Jul 23 (Wed)	04:11	61	10:57	76N	17:42	298
2025 Jul 24 (Thu)	05:15	63	11:58	78N	18:38	295
2025 Jul 25 (Fri)	06:17	67	12:54	83N	19:27	291
2025 Jul 26 (Sat)	07:15	72	13:45	88N	20:11	285
2025 Jul 27 (Sun)	08:08	78	14:31	88S	20:50	279
2025 Jul 28 (Mon)	08:58	84	15:14	82S	21:27	273
2025 Jul 29 (Tue)	09:46	90	15:55	75S	22:02	267
2025 Jul 30 (Wed)	10:32	96	16:36	69S	22:36	261
2025 Jul 31 (Thu)	11:18	102	17:16	64S	23:12	255
2025 Aug 01 (Fri)	12:06	108	17:59	59S	23:50	250
2025 Aug 02 (Sat)	12:55	112	18:43	54S		
2025 Aug 03 (Sun)	13:46	116	19:31	51S	00:30	246
2025 Aug 04 (Mon)	14:39	118	20:22	49S	01:15	243
2025 Aug 05 (Tue)	15:34	119	21:16	48S	02:05	241
2025 Aug 06 (Wed)	16:28	119	22:11	49S	02:58	241
2025 Aug 07 (Thu)	17:20	117	23:05	51S	03:55	242
2025 Aug 08 (Fri)	18:09	113	23:58	55S	04:52	245
2025 Aug 09 (Sat)	18:55	108			05:50	249
2025 Aug 10 (Sun)	19:38	102	00:49	61S	06:46	255
2025 Aug 11 (Mon)	20:19	95	01:38	67S	07:41	261
2025 Aug 12 (Tue)	20:59	88	02:25	74S	08:35	268
2025 Aug 13 (Wed)	21:40	81	03:12	81S	09:29	276
2025 Aug 14 (Thu)	22:24	74	04:01	88S	10:25	282
2025 Aug 15 (Fri)	23:11	69	04:51	87N	11:23	289
2025 Aug 16 (Sat)			05:46	82N	12:24	294
2025 Aug 17 (Sun)	00:03	64	06:44	78N	13:27	298
2025 Aug 18 (Mon)	01:00	61	07:45	76N	14:31	299
2025 Aug 19 (Tue)	02:01	61	08:47	75N	15:32	299
2025 Aug 20 (Wed)	03:04	62	09:47	77N	16:29	297
2025 Aug 21 (Thu)	04:05	65	10:44	81N	17:20	293
2025 Aug 22 (Fri)	05:04	70	11:36	85N	18:05	288
2025 Aug 23 (Sat)	05:58	75	12:24	90S	18:46	282
2025 Aug 24 (Sun)	06:49	81	13:08	84S	19:23	276
2025 Aug 25 (Mon)	07:38	88	13:50	78S	19:59	269
2025 Aug 26 (Tue)	08:25	94	14:31	72S	20:34	263
2025 Aug 27 (Wed)	09:11	100	15:11	66S	21:09	257
2025 Aug 28 (Thu)	09:58	106	15:53	61S	21:46	252
2025 Aug 29 (Fri)	10:47	110	16:37	56S	22:25	248

2025 Aug 30 (Sat)	11:37 115	17:23 52S	23:08 244
2025 Aug 31 (Sun)	12:29 118	18:13 49S	23:55 242
2025 Sep 01 (Mon)	13:23 119	19:05 48S	
2025 Sep 02 (Tue)	14:16 119	19:59 48S	00:47 240
2025 Sep 03 (Wed)	15:09 118	20:53 50S	01:41 241
2025 Sep 04 (Thu)	15:59 115	21:46 53S	02:38 243
2025 Sep 05 (Fri)	16:46 111	22:38 58S	03:35 247
2025 Sep 06 (Sat)	17:31 105	23:28 64S	04:32 252
2025 Sep 07 (Sun)	18:13 98		05:28 258
2025 Sep 08 (Mon)	18:54 91	00:17 71S	06:24 265
2025 Sep 09 (Tue)	19:36 84	01:05 78S	07:19 273
2025 Sep 10 (Wed)	20:20 77	01:54 85S	08:16 280
2025 Sep 11 (Thu)	21:07 70	02:46 89N	09:15 287
2025 Sep 12 (Fri)	21:59 65	03:40 83N	10:16 292
2025 Sep 13 (Sat)	22:55 62	04:38 79N	11:20 297
2025 Sep 14 (Sun)	23:55 61	05:39 76N	12:25 299
2025 Sep 15 (Mon)		06:41 75N	13:27 299
2025 Sep 16 (Tue)	00:57 61	07:42 76N	14:25 298
2025 Sep 17 (Wed)	01:58 64	08:39 79N	15:16 294
2025 Sep 18 (Thu)	02:57 68	09:31 84N	16:03 290
2025 Sep 19 (Fri)	03:52 73	10:19 89N	16:44 284
2025 Sep 20 (Sat)	04:43 79	11:04 87S	17:22 278
2025 Sep 21 (Sun)	05:32 85	11:46 80S	17:58 272
2025 Sep 22 (Mon)	06:19 91	12:27 74S	18:32 265
2025 Sep 23 (Tue)	07:05 98	13:08 68S	19:07 260
2025 Sep 24 (Wed)	07:52 103	13:49 63S	19:44 254
2025 Sep 25 (Thu)	08:40 109	14:32 58S	20:22 249
2025 Sep 26 (Fri)	09:30 113	15:17 53S	21:03 245
2025 Sep 27 (Sat)	10:21 116	16:05 50S	21:49 242
2025 Sep 28 (Sun)	11:14 119	16:56 49S	22:38 241
2025 Sep 29 (Mon)	12:07 120	17:48 48S	23:30 241
2025 Sep 30 (Tue)	12:59 119	18:41 49S	
2025 Oct 01 (Wed)	13:49 117	19:34 52S	00:25 242
2025 Oct 02 (Thu)	14:36 113	20:25 56S	01:21 245
2025 Oct 03 (Fri)	15:21 108	21:15 61S	02:17 249
2025 Oct 04 (Sat)	16:04 102	22:04 67S	03:12 255
2025 Oct 05 (Sun)	16:45 95	22:52 74S	04:07 262
2025 Oct 06 (Mon)	17:27 87	23:42 82S	05:03 269
2025 Oct 07 (Tue)	18:11 80		06:00 276
2025 Oct 08 (Wed)	18:58 73	00:33 89S	06:59 284
2025 Oct 09 (Thu)	19:49 67	01:28 86N	08:02 290
2025 Oct 10 (Fri)	20:46 63	02:27 81N	09:07 295
2025 Oct 11 (Sat)	21:47 61	03:29 77N	10:14 298
2025 Oct 12 (Sun)	22:50 61	04:33 75N	11:19 299
2025 Oct 13 (Mon)	23:53 63	05:35 76N	12:20 298
2025 Oct 14 (Tue)		06:34 78N	13:14 295
2025 Oct 15 (Wed)	00:52 67	07:29 82N	14:02 291
2025 Oct 16 (Thu)	01:48 71	08:18 87N	14:44 286
2025 Oct 17 (Fri)	02:40 77	09:03 88S	15:23 280
2025 Oct 18 (Sat)	03:29 83	09:45 82S	15:59 274
2025 Oct 19 (Sun)	04:15 89	10:26 76S	16:33 268
2025 Oct 20 (Mon)	05:02 96	11:06 70S	17:08 262
2025 Oct 21 (Tue)	05:48 101	11:47 64S	17:43 256
2025 Oct 22 (Wed)	06:35 107	12:29 59S	18:21 251
2025 Oct 23 (Thu)	07:24 112	13:14 55S	19:01 247
2025 Oct 24 (Fri)	08:15 115	14:01 51S	19:45 243
2025 Oct 25 (Sat)	09:07 118	14:50 49S	20:32 241
2025 Oct 26 (Sun)	10:00 119	15:42 48S	21:23 241
2025 Oct 27 (Mon)	10:52 119	16:34 49S	22:17 241
2025 Oct 28 (Tue)	11:42 117	17:26 51S	23:11 244
2025 Oct 29 (Wed)	12:29 114	18:16 54S	
2025 Oct 30 (Thu)	13:13 110	19:05 59S	00:05 248
2025 Oct 31 (Fri)	13:55 104	19:53 64S	00:59 253
2025 Nov 01 (Sat)	14:36 98	20:40 71S	01:53 259
2025 Nov 02 (Sun)	15:17 91	21:27 78S	02:46 265
2025 Nov 03 (Mon)	15:59 84	22:17 85S	03:41 273
2025 Nov 04 (Tue)	16:44 77	23:10 89N	04:39 280
2025 Nov 05 (Wed)	17:33 70		05:40 287
2025 Nov 06 (Thu)	18:29 65	00:07 83N	06:45 293
2025 Nov 07 (Fri)	19:30 62	01:10 79N	07:53 297
2025 Nov 08 (Sat)	20:35 61	02:15 76N	09:02 299
2025 Nov 09 (Sun)	21:41 62	03:22 76N	10:07 299

2025 Nov 10 (Mon)	22:44 65	04:25 77N	11:06 296
2025 Nov 11 (Tue)	23:42 70	05:22 81N	11:58 292
2025 Nov 12 (Wed)		06:14 86N	12:43 287
2025 Nov 13 (Thu)	00:36 75	07:01 90S	13:23 282
2025 Nov 14 (Fri)	01:26 81	07:45 84S	14:00 276
2025 Nov 15 (Sat)	02:14 88	08:26 78S	14:35 269
2025 Nov 16 (Sun)	03:00 94	09:06 72S	15:09 263
2025 Nov 17 (Mon)	03:46 100	09:46 66S	15:44 258
2025 Nov 18 (Tue)	04:32 105	10:28 61S	16:21 252
2025 Nov 19 (Wed)	05:20 110	11:11 56S	17:00 248
2025 Nov 20 (Thu)	06:11 114	11:57 53S	17:43 244
2025 Nov 21 (Fri)	07:02 117	12:46 50S	18:29 242
2025 Nov 22 (Sat)	07:55 119	13:37 49S	19:19 241
2025 Nov 23 (Sun)	08:47 119	14:29 49S	20:12 241
2025 Nov 24 (Mon)	09:38 118	15:21 50S	21:06 243
2025 Nov 25 (Tue)	10:25 115	16:11 53S	21:59 246
2025 Nov 26 (Wed)	11:10 111	17:00 57S	22:52 251
2025 Nov 27 (Thu)	11:52 106	17:46 62S	23:44 256
2025 Nov 28 (Fri)	12:31 101	18:32 68S	
2025 Nov 29 (Sat)	13:10 94	19:17 75S	00:36 263
2025 Nov 30 (Sun)	13:50 87	20:04 82S	01:28 269
2025 Dec 01 (Mon)	14:32 80	20:53 89S	02:22 276
2025 Dec 02 (Tue)	15:18 73	21:47 86N	03:19 283
2025 Dec 03 (Wed)	16:09 68	22:46 81N	04:20 290
2025 Dec 04 (Thu)	17:07 63	23:51 77N	05:27 295
2025 Dec 05 (Fri)	18:11 61		06:36 298
2025 Dec 06 (Sat)	19:19 61	00:58 76N	07:45 299
2025 Dec 07 (Sun)	20:26 64	02:05 76N	08:49 298
2025 Dec 08 (Mon)	21:29 68	03:08 79N	09:47 294
2025 Dec 09 (Tue)	22:27 73	04:04 84N	10:36 289
2025 Dec 10 (Wed)	23:20 79	04:55 89N	11:20 284
2025 Dec 11 (Thu)		05:41 86S	11:59 277
2025 Dec 12 (Fri)	00:09 86	06:24 80S	12:35 271
2025 Dec 13 (Sat)	00:57 92	07:04 74S	13:09 265
2025 Dec 14 (Sun)	01:43 98	07:45 68S	13:44 259
2025 Dec 15 (Mon)	02:29 104	08:26 62S	14:20 254
2025 Dec 16 (Tue)	03:17 109	09:09 58S	14:59 249
2025 Dec 17 (Wed)	04:06 113	09:54 54S	15:40 245
2025 Dec 18 (Thu)	04:58 116	10:42 51S	16:26 243
2025 Dec 19 (Fri)	05:50 118	11:33 49S	17:15 241
2025 Dec 20 (Sat)	06:43 119	12:25 48S	18:07 241
2025 Dec 21 (Sun)	07:34 118	13:17 50S	19:01 243
2025 Dec 22 (Mon)	08:23 116	14:09 52S	19:55 245
2025 Dec 23 (Tue)	09:09 112	14:58 56S	20:49 250
2025 Dec 24 (Wed)	09:51 108	15:45 61S	21:41 255
2025 Dec 25 (Thu)	10:31 102	16:30 66S	22:31 261
2025 Dec 26 (Fri)	11:09 96	17:14 73S	23:22 267
2025 Dec 27 (Sat)	11:47 89	17:59 79S	
2025 Dec 28 (Sun)	12:27 83	18:45 86S	00:13 274
2025 Dec 29 (Mon)	13:09 76	19:35 89N	01:07 281
2025 Dec 30 (Tue)	13:56 70	20:29 83N	02:04 287
2025 Dec 31 (Wed)	14:49 65	21:29 79N	03:06 293