

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
2024	Jan	01 (Mon)	05:53	06:43	114	12:23	54S	18:04	247	18:53
2024	Jan	02 (Tue)	05:53	06:43	113	12:24	54S	18:04	247	18:54
2024	Jan	03 (Wed)	05:54	06:43	113	12:24	54S	18:05	247	18:54
2024	Jan	04 (Thu)	05:54	06:44	113	12:25	55S	18:05	247	18:55
2024	Jan	05 (Fri)	05:55	06:44	113	12:25	55S	18:06	247	18:56
2024	Jan	06 (Sat)	05:55	06:44	113	12:26	55S	18:07	247	18:56
2024	Jan	07 (Sun)	05:55	06:45	113	12:26	55S	18:07	247	18:57
2024	Jan	08 (Mon)	05:56	06:45	113	12:26	55S	18:08	247	18:57
2024	Jan	09 (Tue)	05:56	06:45	113	12:27	55S	18:08	247	18:58
2024	Jan	10 (Wed)	05:56	06:46	113	12:27	55S	18:09	248	18:58
2024	Jan	11 (Thu)	05:57	06:46	112	12:28	55S	18:09	248	18:59
2024	Jan	12 (Fri)	05:57	06:46	112	12:28	56S	18:10	248	18:59
2024	Jan	13 (Sat)	05:57	06:46	112	12:28	56S	18:11	248	19:00
2024	Jan	14 (Sun)	05:57	06:47	112	12:29	56S	18:11	248	19:00
2024	Jan	15 (Mon)	05:58	06:47	112	12:29	56S	18:12	248	19:01
2024	Jan	16 (Tue)	05:58	06:47	111	12:30	56S	18:12	249	19:01
2024	Jan	17 (Wed)	05:58	06:47	111	12:30	56S	18:13	249	19:02
2024	Jan	18 (Thu)	05:58	06:47	111	12:30	57S	18:13	249	19:02
2024	Jan	19 (Fri)	05:58	06:47	111	12:31	57S	18:14	249	19:03
2024	Jan	20 (Sat)	05:59	06:47	111	12:31	57S	18:14	249	19:03
2024	Jan	21 (Sun)	05:59	06:47	110	12:31	57S	18:15	250	19:04
2024	Jan	22 (Mon)	05:59	06:47	110	12:31	57S	18:15	250	19:04
2024	Jan	23 (Tue)	05:59	06:47	110	12:32	58S	18:16	250	19:04
2024	Jan	24 (Wed)	05:59	06:47	110	12:32	58S	18:16	250	19:05
2024	Jan	25 (Thu)	05:59	06:47	109	12:32	58S	18:17	251	19:05
2024	Jan	26 (Fri)	05:59	06:47	109	12:32	58S	18:17	251	19:06
2024	Jan	27 (Sat)	05:59	06:47	109	12:33	59S	18:18	251	19:06
2024	Jan	28 (Sun)	05:59	06:47	109	12:33	59S	18:18	251	19:07
2024	Jan	29 (Mon)	05:59	06:47	108	12:33	59S	18:19	252	19:07
2024	Jan	30 (Tue)	05:59	06:47	108	12:33	59S	18:19	252	19:07
2024	Jan	31 (Wed)	05:59	06:47	108	12:33	60S	18:20	252	19:08
2024	Feb	01 (Thu)	05:59	06:47	108	12:33	60S	18:20	253	19:08
2024	Feb	02 (Fri)	05:59	06:47	107	12:34	60S	18:21	253	19:08
2024	Feb	03 (Sat)	05:59	06:47	107	12:34	61S	18:21	253	19:09
2024	Feb	04 (Sun)	05:59	06:46	107	12:34	61S	18:21	253	19:09
2024	Feb	05 (Mon)	05:59	06:46	106	12:34	61S	18:22	254	19:09
2024	Feb	06 (Tue)	05:58	06:46	106	12:34	62S	18:22	254	19:10
2024	Feb	07 (Wed)	05:58	06:46	106	12:34	62S	18:23	254	19:10
2024	Feb	08 (Thu)	05:58	06:45	105	12:34	62S	18:23	255	19:10
2024	Feb	09 (Fri)	05:58	06:45	105	12:34	62S	18:23	255	19:11
2024	Feb	10 (Sat)	05:58	06:45	105	12:34	63S	18:24	255	19:11
2024	Feb	11 (Sun)	05:57	06:45	104	12:34	63S	18:24	256	19:11
2024	Feb	12 (Mon)	05:57	06:44	104	12:34	63S	18:24	256	19:11
2024	Feb	13 (Tue)	05:57	06:44	104	12:34	64S	18:25	256	19:12
2024	Feb	14 (Wed)	05:57	06:44	103	12:34	64S	18:25	257	19:12
2024	Feb	15 (Thu)	05:56	06:43	103	12:34	64S	18:25	257	19:12
2024	Feb	16 (Fri)	05:56	06:43	103	12:34	65S	18:26	257	19:12
2024	Feb	17 (Sat)	05:56	06:42	102	12:34	65S	18:26	258	19:13
2024	Feb	18 (Sun)	05:55	06:42	102	12:34	65S	18:26	258	19:13
2024	Feb	19 (Mon)	05:55	06:42	102	12:34	66S	18:26	259	19:13
2024	Feb	20 (Tue)	05:55	06:41	101	12:34	66S	18:27	259	19:13
2024	Feb	21 (Wed)	05:54	06:41	101	12:34	67S	18:27	259	19:13
2024	Feb	22 (Thu)	05:54	06:40	101	12:34	67S	18:27	260	19:14
2024	Feb	23 (Fri)	05:53	06:40	100	12:33	67S	18:27	260	19:14
2024	Feb	24 (Sat)	05:53	06:39	100	12:33	68S	18:28	260	19:14
2024	Feb	25 (Sun)	05:52	06:39	99	12:33	68S	18:28	261	19:14
2024	Feb	26 (Mon)	05:52	06:38	99	12:33	68S	18:28	261	19:14
2024	Feb	27 (Tue)	05:51	06:38	99	12:33	69S	18:28	262	19:14
2024	Feb	28 (Wed)	05:51	06:37	98	12:33	69S	18:28	262	19:15
2024	Feb	29 (Thu)	05:50	06:37	98	12:32	70S	18:29	262	19:15

2024	Mar	01	(Fri)	05:50	06:36	98	12:32	70S	18:29	263	19:15
2024	Mar	02	(Sat)	05:49	06:36	97	12:32	70S	18:29	263	19:15
2024	Mar	03	(Sun)	05:49	06:35	97	12:32	71S	18:29	263	19:15
2024	Mar	04	(Mon)	05:48	06:34	96	12:32	71S	18:29	264	19:15
2024	Mar	05	(Tue)	05:48	06:34	96	12:31	71S	18:29	264	19:15
2024	Mar	06	(Wed)	05:47	06:33	96	12:31	72S	18:29	265	19:15
2024	Mar	07	(Thu)	05:47	06:33	95	12:31	72S	18:30	265	19:16
2024	Mar	08	(Fri)	05:46	06:32	95	12:31	73S	18:30	265	19:16
2024	Mar	09	(Sat)	05:45	06:31	94	12:30	73S	18:30	266	19:16
2024	Mar	10	(Sun)	05:45	06:31	94	12:30	73S	18:30	266	19:16
2024	Mar	11	(Mon)	05:44	06:30	94	12:30	74S	18:30	267	19:16
2024	Mar	12	(Tue)	05:43	06:29	93	12:30	74S	18:30	267	19:16
2024	Mar	13	(Wed)	05:43	06:29	93	12:29	75S	18:30	267	19:16
2024	Mar	14	(Thu)	05:42	06:28	92	12:29	75S	18:30	268	19:16
2024	Mar	15	(Fri)	05:42	06:27	92	12:29	75S	18:30	268	19:16
2024	Mar	16	(Sat)	05:41	06:27	91	12:29	76S	18:31	269	19:16
2024	Mar	17	(Sun)	05:40	06:26	91	12:28	76S	18:31	269	19:17
2024	Mar	18	(Mon)	05:40	06:25	91	12:28	77S	18:31	270	19:17
2024	Mar	19	(Tue)	05:39	06:25	90	12:28	77S	18:31	270	19:17
2024	Mar	20	(Wed)	05:38	06:24	90	12:27	77S	18:31	270	19:17
2024	Mar	21	(Thu)	05:38	06:23	89	12:27	78S	18:31	271	19:17
2024	Mar	22	(Fri)	05:37	06:23	89	12:27	78S	18:31	271	19:17
2024	Mar	23	(Sat)	05:36	06:22	89	12:27	79S	18:31	272	19:17
2024	Mar	24	(Sun)	05:35	06:21	88	12:26	79S	18:31	272	19:17
2024	Mar	25	(Mon)	05:35	06:21	88	12:26	79S	18:31	272	19:17
2024	Mar	26	(Tue)	05:34	06:20	87	12:26	80S	18:31	273	19:17
2024	Mar	27	(Wed)	05:33	06:19	87	12:25	80S	18:31	273	19:18
2024	Mar	28	(Thu)	05:33	06:19	87	12:25	80S	18:32	274	19:18
2024	Mar	29	(Fri)	05:32	06:18	86	12:25	81S	18:32	274	19:18
2024	Mar	30	(Sat)	05:31	06:17	86	12:24	81S	18:32	274	19:18
2024	Mar	31	(Sun)	05:31	06:17	85	12:24	82S	18:32	275	19:18
2024	Apr	01	(Mon)	05:30	06:16	85	12:24	82S	18:32	275	19:18
2024	Apr	02	(Tue)	05:29	06:15	85	12:24	82S	18:32	276	19:18
2024	Apr	03	(Wed)	05:28	06:15	84	12:23	83S	18:32	276	19:18
2024	Apr	04	(Thu)	05:28	06:14	84	12:23	83S	18:32	276	19:18
2024	Apr	05	(Fri)	05:27	06:13	83	12:23	84S	18:32	277	19:19
2024	Apr	06	(Sat)	05:26	06:13	83	12:22	84S	18:32	277	19:19
2024	Apr	07	(Sun)	05:26	06:12	83	12:22	84S	18:32	278	19:19
2024	Apr	08	(Mon)	05:25	06:11	82	12:22	85S	18:32	278	19:19
2024	Apr	09	(Tue)	05:24	06:11	82	12:22	85S	18:32	278	19:19
2024	Apr	10	(Wed)	05:24	06:10	82	12:21	85S	18:33	279	19:19
2024	Apr	11	(Thu)	05:23	06:10	81	12:21	86S	18:33	279	19:19
2024	Apr	12	(Fri)	05:22	06:09	81	12:21	86S	18:33	279	19:20
2024	Apr	13	(Sat)	05:22	06:08	80	12:21	87S	18:33	280	19:20
2024	Apr	14	(Sun)	05:21	06:08	80	12:20	87S	18:33	280	19:20
2024	Apr	15	(Mon)	05:20	06:07	80	12:20	87S	18:33	281	19:20
2024	Apr	16	(Tue)	05:20	06:07	79	12:20	88S	18:33	281	19:20
2024	Apr	17	(Wed)	05:19	06:06	79	12:20	88S	18:33	281	19:20
2024	Apr	18	(Thu)	05:18	06:05	79	12:19	88S	18:33	282	19:21
2024	Apr	19	(Fri)	05:18	06:05	78	12:19	89S	18:34	282	19:21
2024	Apr	20	(Sat)	05:17	06:04	78	12:19	89S	18:34	282	19:21
2024	Apr	21	(Sun)	05:16	06:04	78	12:19	89S	18:34	283	19:21
2024	Apr	22	(Mon)	05:16	06:03	77	12:19	90S	18:34	283	19:21
2024	Apr	23	(Tue)	05:15	06:03	77	12:18	90S	18:34	283	19:22
2024	Apr	24	(Wed)	05:15	06:02	76	12:18	90S	18:34	284	19:22
2024	Apr	25	(Thu)	05:14	06:02	76	12:18	91S	18:35	284	19:22
2024	Apr	26	(Fri)	05:13	06:01	76	12:18	90N	18:35	284	19:22
2024	Apr	27	(Sat)	05:13	06:01	75	12:18	90N	18:35	285	19:23
2024	Apr	28	(Sun)	05:12	06:00	75	12:17	90N	18:35	285	19:23
2024	Apr	29	(Mon)	05:12	06:00	75	12:17	90N	18:35	285	19:23
2024	Apr	30	(Tue)	05:11	05:59	75	12:17	89N	18:35	286	19:23
2024	May	01	(Wed)	05:11	05:59	74	12:17	89N	18:36	286	19:24
2024	May	02	(Thu)	05:10	05:58	74	12:17	89N	18:36	286	19:24
2024	May	03	(Fri)	05:10	05:58	74	12:17	88N	18:36	287	19:24
2024	May	04	(Sat)	05:09	05:58	73	12:17	88N	18:36	287	19:25
2024	May	05	(Sun)	05:09	05:57	73	12:17	88N	18:36	287	19:25
2024	May	06	(Mon)	05:08	05:57	73	12:17	87N	18:37	287	19:25
2024	May	07	(Tue)	05:08	05:56	72	12:17	87N	18:37	288	19:26
2024	May	08	(Wed)	05:07	05:56	72	12:17	87N	18:37	288	19:26
2024	May	09	(Thu)	05:07	05:56	72	12:16	87N	18:37	288	19:26
2024	May	10	(Fri)	05:07	05:55	72	12:16	86N	18:38	289	19:27
2024	May	11	(Sat)	05:06	05:55	71	12:16	86N	18:38	289	19:27

2024	May	12	(Sun)	05:06	05:55	71	12:16	86N	18:38	289	19:27
2024	May	13	(Mon)	05:05	05:55	71	12:16	86N	18:38	289	19:28
2024	May	14	(Tue)	05:05	05:54	71	12:16	85N	18:39	290	19:28
2024	May	15	(Wed)	05:05	05:54	70	12:16	85N	18:39	290	19:28
2024	May	16	(Thu)	05:04	05:54	70	12:16	85N	18:39	290	19:29
2024	May	17	(Fri)	05:04	05:54	70	12:16	85N	18:39	290	19:29
2024	May	18	(Sat)	05:04	05:53	70	12:16	84N	18:40	291	19:29
2024	May	19	(Sun)	05:04	05:53	69	12:17	84N	18:40	291	19:30
2024	May	20	(Mon)	05:03	05:53	69	12:17	84N	18:40	291	19:30
2024	May	21	(Tue)	05:03	05:53	69	12:17	84N	18:41	291	19:30
2024	May	22	(Wed)	05:03	05:53	69	12:17	84N	18:41	291	19:31
2024	May	23	(Thu)	05:03	05:53	69	12:17	83N	18:41	292	19:31
2024	May	24	(Fri)	05:02	05:52	68	12:17	83N	18:42	292	19:32
2024	May	25	(Sat)	05:02	05:52	68	12:17	83N	18:42	292	19:32
2024	May	26	(Sun)	05:02	05:52	68	12:17	83N	18:42	292	19:32
2024	May	27	(Mon)	05:02	05:52	68	12:17	83N	18:42	292	19:33
2024	May	28	(Tue)	05:02	05:52	68	12:17	83N	18:43	292	19:33
2024	May	29	(Wed)	05:02	05:52	67	12:17	82N	18:43	293	19:33
2024	May	30	(Thu)	05:02	05:52	67	12:18	82N	18:43	293	19:34
2024	May	31	(Fri)	05:01	05:52	67	12:18	82N	18:44	293	19:34
2024	Jun	01	(Sat)	05:01	05:52	67	12:18	82N	18:44	293	19:35
2024	Jun	02	(Sun)	05:01	05:52	67	12:18	82N	18:44	293	19:35
2024	Jun	03	(Mon)	05:01	05:52	67	12:18	82N	18:45	293	19:35
2024	Jun	04	(Tue)	05:01	05:52	67	12:18	82N	18:45	293	19:36
2024	Jun	05	(Wed)	05:01	05:52	67	12:19	82N	18:45	294	19:36
2024	Jun	06	(Thu)	05:01	05:52	66	12:19	81N	18:46	294	19:36
2024	Jun	07	(Fri)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2024	Jun	08	(Sat)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2024	Jun	09	(Sun)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2024	Jun	10	(Mon)	05:02	05:52	66	12:20	81N	18:47	294	19:38
2024	Jun	11	(Tue)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2024	Jun	12	(Wed)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2024	Jun	13	(Thu)	05:02	05:53	66	12:20	81N	18:48	294	19:39
2024	Jun	14	(Fri)	05:02	05:53	66	12:20	81N	18:48	294	19:39
2024	Jun	15	(Sat)	05:02	05:53	66	12:21	81N	18:48	294	19:39
2024	Jun	16	(Sun)	05:02	05:53	66	12:21	81N	18:48	294	19:39
2024	Jun	17	(Mon)	05:02	05:54	66	12:21	81N	18:49	294	19:40
2024	Jun	18	(Tue)	05:03	05:54	66	12:21	81N	18:49	294	19:40
2024	Jun	19	(Wed)	05:03	05:54	66	12:21	81N	18:49	294	19:40
2024	Jun	20	(Thu)	05:03	05:54	66	12:22	81N	18:49	294	19:40
2024	Jun	21	(Fri)	05:03	05:54	66	12:22	81N	18:49	294	19:41
2024	Jun	22	(Sat)	05:03	05:55	66	12:22	81N	18:50	294	19:41
2024	Jun	23	(Sun)	05:04	05:55	66	12:22	81N	18:50	294	19:41
2024	Jun	24	(Mon)	05:04	05:55	66	12:23	81N	18:50	294	19:41
2024	Jun	25	(Tue)	05:04	05:55	66	12:23	81N	18:50	294	19:41
2024	Jun	26	(Wed)	05:04	05:56	66	12:23	81N	18:50	294	19:42
2024	Jun	27	(Thu)	05:05	05:56	66	12:23	81N	18:51	294	19:42
2024	Jun	28	(Fri)	05:05	05:56	66	12:23	81N	18:51	294	19:42
2024	Jun	29	(Sat)	05:05	05:56	66	12:24	81N	18:51	294	19:42
2024	Jun	30	(Sun)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2024	Jul	01	(Mon)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2024	Jul	02	(Tue)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2024	Jul	03	(Wed)	05:06	05:57	66	12:24	81N	18:51	294	19:42
2024	Jul	04	(Thu)	05:07	05:58	66	12:25	81N	18:51	294	19:42
2024	Jul	05	(Fri)	05:07	05:58	66	12:25	81N	18:51	294	19:42
2024	Jul	06	(Sat)	05:07	05:58	66	12:25	82N	18:51	293	19:42
2024	Jul	07	(Sun)	05:08	05:59	67	12:25	82N	18:51	293	19:42
2024	Jul	08	(Mon)	05:08	05:59	67	12:25	82N	18:52	293	19:42
2024	Jul	09	(Tue)	05:08	05:59	67	12:25	82N	18:52	293	19:42
2024	Jul	10	(Wed)	05:09	05:59	67	12:25	82N	18:52	293	19:42
2024	Jul	11	(Thu)	05:09	06:00	67	12:26	82N	18:51	293	19:42
2024	Jul	12	(Fri)	05:09	06:00	67	12:26	82N	18:51	293	19:42
2024	Jul	13	(Sat)	05:10	06:00	67	12:26	82N	18:51	293	19:42
2024	Jul	14	(Sun)	05:10	06:01	68	12:26	83N	18:51	292	19:42
2024	Jul	15	(Mon)	05:10	06:01	68	12:26	83N	18:51	292	19:42
2024	Jul	16	(Tue)	05:11	06:01	68	12:26	83N	18:51	292	19:41
2024	Jul	17	(Wed)	05:11	06:01	68	12:26	83N	18:51	292	19:41
2024	Jul	18	(Thu)	05:12	06:02	68	12:26	83N	18:51	292	19:41
2024	Jul	19	(Fri)	05:12	06:02	68	12:26	83N	18:51	292	19:41
2024	Jul	20	(Sat)	05:12	06:02	69	12:26	84N	18:51	291	19:41
2024	Jul	21	(Sun)	05:13	06:02	69	12:26	84N	18:50	291	19:40
2024	Jul	22	(Mon)	05:13	06:03	69	12:27	84N	18:50	291	19:40

2024	Jul	23	(Tue)	05:13	06:03	69	12:27	84N	18:50	291	19:40
2024	Jul	24	(Wed)	05:14	06:03	69	12:27	84N	18:50	290	19:39
2024	Jul	25	(Thu)	05:14	06:03	70	12:27	85N	18:50	290	19:39
2024	Jul	26	(Fri)	05:14	06:04	70	12:27	85N	18:49	290	19:39
2024	Jul	27	(Sat)	05:15	06:04	70	12:27	85N	18:49	290	19:38
2024	Jul	28	(Sun)	05:15	06:04	70	12:27	85N	18:49	290	19:38
2024	Jul	29	(Mon)	05:15	06:04	71	12:27	86N	18:49	289	19:38
2024	Jul	30	(Tue)	05:15	06:05	71	12:26	86N	18:48	289	19:37
2024	Jul	31	(Wed)	05:16	06:05	71	12:26	86N	18:48	289	19:37
2024	Aug	01	(Thu)	05:16	06:05	71	12:26	86N	18:48	289	19:36
2024	Aug	02	(Fri)	05:16	06:05	72	12:26	87N	18:47	288	19:36
2024	Aug	03	(Sat)	05:17	06:05	72	12:26	87N	18:47	288	19:36
2024	Aug	04	(Sun)	05:17	06:06	72	12:26	87N	18:46	288	19:35
2024	Aug	05	(Mon)	05:17	06:06	72	12:26	87N	18:46	287	19:35
2024	Aug	06	(Tue)	05:17	06:06	73	12:26	88N	18:46	287	19:34
2024	Aug	07	(Wed)	05:18	06:06	73	12:26	88N	18:45	287	19:34
2024	Aug	08	(Thu)	05:18	06:06	73	12:26	88N	18:45	287	19:33
2024	Aug	09	(Fri)	05:18	06:07	74	12:26	88N	18:44	286	19:33
2024	Aug	10	(Sat)	05:18	06:07	74	12:25	89N	18:44	286	19:32
2024	Aug	11	(Sun)	05:19	06:07	74	12:25	89N	18:43	286	19:32
2024	Aug	12	(Mon)	05:19	06:07	74	12:25	89N	18:43	285	19:31
2024	Aug	13	(Tue)	05:19	06:07	75	12:25	90N	18:42	285	19:30
2024	Aug	14	(Wed)	05:19	06:07	75	12:25	90N	18:42	285	19:30
2024	Aug	15	(Thu)	05:20	06:07	75	12:24	90N	18:41	284	19:29
2024	Aug	16	(Fri)	05:20	06:08	76	12:24	91N	18:41	284	19:29
2024	Aug	17	(Sat)	05:20	06:08	76	12:24	91S	18:40	284	19:28
2024	Aug	18	(Sun)	05:20	06:08	76	12:24	90S	18:40	283	19:27
2024	Aug	19	(Mon)	05:20	06:08	77	12:24	90S	18:39	283	19:27
2024	Aug	20	(Tue)	05:21	06:08	77	12:23	90S	18:39	283	19:26
2024	Aug	21	(Wed)	05:21	06:08	77	12:23	89S	18:38	282	19:25
2024	Aug	22	(Thu)	05:21	06:08	78	12:23	89S	18:37	282	19:25
2024	Aug	23	(Fri)	05:21	06:08	78	12:23	89S	18:37	282	19:24
2024	Aug	24	(Sat)	05:21	06:08	78	12:22	88S	18:36	281	19:23
2024	Aug	25	(Sun)	05:21	06:08	79	12:22	88S	18:36	281	19:23
2024	Aug	26	(Mon)	05:21	06:08	79	12:22	88S	18:35	281	19:22
2024	Aug	27	(Tue)	05:22	06:08	80	12:21	87S	18:34	280	19:21
2024	Aug	28	(Wed)	05:22	06:09	80	12:21	87S	18:34	280	19:21
2024	Aug	29	(Thu)	05:22	06:09	80	12:21	86S	18:33	280	19:20
2024	Aug	30	(Fri)	05:22	06:09	81	12:21	86S	18:32	279	19:19
2024	Aug	31	(Sat)	05:22	06:09	81	12:20	86S	18:32	279	19:18
2024	Sep	01	(Sun)	05:22	06:09	81	12:20	85S	18:31	278	19:18
2024	Sep	02	(Mon)	05:22	06:09	82	12:20	85S	18:30	278	19:17
2024	Sep	03	(Tue)	05:22	06:09	82	12:19	85S	18:30	278	19:16
2024	Sep	04	(Wed)	05:22	06:09	83	12:19	84S	18:29	277	19:15
2024	Sep	05	(Thu)	05:22	06:09	83	12:19	84S	18:28	277	19:15
2024	Sep	06	(Fri)	05:22	06:09	83	12:18	84S	18:28	277	19:14
2024	Sep	07	(Sat)	05:23	06:09	84	12:18	83S	18:27	276	19:13
2024	Sep	08	(Sun)	05:23	06:09	84	12:18	83S	18:26	276	19:12
2024	Sep	09	(Mon)	05:23	06:09	84	12:17	82S	18:25	275	19:12
2024	Sep	10	(Tue)	05:23	06:09	85	12:17	82S	18:25	275	19:11
2024	Sep	11	(Wed)	05:23	06:09	85	12:17	82S	18:24	275	19:10
2024	Sep	12	(Thu)	05:23	06:09	86	12:16	81S	18:23	274	19:09
2024	Sep	13	(Fri)	05:23	06:09	86	12:16	81S	18:23	274	19:09
2024	Sep	14	(Sat)	05:23	06:09	86	12:16	80S	18:22	273	19:08
2024	Sep	15	(Sun)	05:23	06:09	87	12:15	80S	18:21	273	19:07
2024	Sep	16	(Mon)	05:23	06:09	87	12:15	80S	18:20	273	19:06
2024	Sep	17	(Tue)	05:23	06:09	88	12:14	79S	18:20	272	19:06
2024	Sep	18	(Wed)	05:23	06:09	88	12:14	79S	18:19	272	19:05
2024	Sep	19	(Thu)	05:23	06:09	88	12:14	79S	18:18	271	19:04
2024	Sep	20	(Fri)	05:23	06:09	89	12:13	78S	18:17	271	19:03
2024	Sep	21	(Sat)	05:23	06:09	89	12:13	78S	18:17	271	19:03
2024	Sep	22	(Sun)	05:23	06:09	90	12:13	77S	18:16	270	19:02
2024	Sep	23	(Mon)	05:23	06:09	90	12:12	77S	18:15	270	19:01
2024	Sep	24	(Tue)	05:23	06:09	90	12:12	77S	18:15	269	19:00
2024	Sep	25	(Wed)	05:23	06:09	91	12:12	76S	18:14	269	19:00
2024	Sep	26	(Thu)	05:23	06:09	91	12:11	76S	18:13	269	18:59
2024	Sep	27	(Fri)	05:23	06:09	92	12:11	75S	18:12	268	18:58
2024	Sep	28	(Sat)	05:23	06:09	92	12:11	75S	18:12	268	18:58
2024	Sep	29	(Sun)	05:23	06:09	92	12:10	75S	18:11	267	18:57
2024	Sep	30	(Mon)	05:23	06:09	93	12:10	74S	18:10	267	18:56
2024	Oct	01	(Tue)	05:23	06:09	93	12:10	74S	18:10	267	18:56
2024	Oct	02	(Wed)	05:23	06:09	94	12:09	74S	18:09	266	18:55

2024	Oct	03	(Thu)	05:24	06:10	94	12:09	73S	18:08	266	18:54
2024	Oct	04	(Fri)	05:24	06:10	94	12:09	73S	18:08	265	18:54
2024	Oct	05	(Sat)	05:24	06:10	95	12:08	72S	18:07	265	18:53
2024	Oct	06	(Sun)	05:24	06:10	95	12:08	72S	18:06	265	18:52
2024	Oct	07	(Mon)	05:24	06:10	96	12:08	72S	18:06	264	18:52
2024	Oct	08	(Tue)	05:24	06:10	96	12:08	71S	18:05	264	18:51
2024	Oct	09	(Wed)	05:24	06:10	96	12:07	71S	18:04	263	18:50
2024	Oct	10	(Thu)	05:24	06:10	97	12:07	70S	18:04	263	18:50
2024	Oct	11	(Fri)	05:24	06:10	97	12:07	70S	18:03	263	18:49
2024	Oct	12	(Sat)	05:24	06:10	98	12:06	70S	18:02	262	18:49
2024	Oct	13	(Sun)	05:24	06:10	98	12:06	69S	18:02	262	18:48
2024	Oct	14	(Mon)	05:24	06:11	98	12:06	69S	18:01	262	18:48
2024	Oct	15	(Tue)	05:24	06:11	99	12:06	69S	18:01	261	18:47
2024	Oct	16	(Wed)	05:24	06:11	99	12:06	68S	18:00	261	18:46
2024	Oct	17	(Thu)	05:25	06:11	99	12:05	68S	18:00	260	18:46
2024	Oct	18	(Fri)	05:25	06:11	100	12:05	67S	17:59	260	18:45
2024	Oct	19	(Sat)	05:25	06:11	100	12:05	67S	17:58	260	18:45
2024	Oct	20	(Sun)	05:25	06:11	101	12:05	67S	17:58	259	18:45
2024	Oct	21	(Mon)	05:25	06:12	101	12:05	66S	17:57	259	18:44
2024	Oct	22	(Tue)	05:25	06:12	101	12:04	66S	17:57	259	18:44
2024	Oct	23	(Wed)	05:25	06:12	102	12:04	66S	17:56	258	18:43
2024	Oct	24	(Thu)	05:25	06:12	102	12:04	65S	17:56	258	18:43
2024	Oct	25	(Fri)	05:26	06:12	102	12:04	65S	17:56	258	18:42
2024	Oct	26	(Sat)	05:26	06:13	103	12:04	65S	17:55	257	18:42
2024	Oct	27	(Sun)	05:26	06:13	103	12:04	64S	17:55	257	18:42
2024	Oct	28	(Mon)	05:26	06:13	103	12:04	64S	17:54	256	18:41
2024	Oct	29	(Tue)	05:26	06:13	104	12:04	64S	17:54	256	18:41
2024	Oct	30	(Wed)	05:27	06:14	104	12:04	63S	17:54	256	18:41
2024	Oct	31	(Thu)	05:27	06:14	104	12:04	63S	17:53	255	18:40
2024	Nov	01	(Fri)	05:27	06:14	105	12:04	63S	17:53	255	18:40
2024	Nov	02	(Sat)	05:27	06:15	105	12:04	62S	17:52	255	18:40
2024	Nov	03	(Sun)	05:27	06:15	105	12:04	62S	17:52	254	18:40
2024	Nov	04	(Mon)	05:28	06:15	106	12:04	62S	17:52	254	18:39
2024	Nov	05	(Tue)	05:28	06:15	106	12:04	61S	17:52	254	18:39
2024	Nov	06	(Wed)	05:28	06:16	106	12:04	61S	17:51	254	18:39
2024	Nov	07	(Thu)	05:29	06:16	107	12:04	61S	17:51	253	18:39
2024	Nov	08	(Fri)	05:29	06:17	107	12:04	61S	17:51	253	18:39
2024	Nov	09	(Sat)	05:29	06:17	107	12:04	60S	17:51	253	18:38
2024	Nov	10	(Sun)	05:29	06:17	108	12:04	60S	17:50	252	18:38
2024	Nov	11	(Mon)	05:30	06:18	108	12:04	60S	17:50	252	18:38
2024	Nov	12	(Tue)	05:30	06:18	108	12:04	59S	17:50	252	18:38
2024	Nov	13	(Wed)	05:30	06:19	108	12:04	59S	17:50	252	18:38
2024	Nov	14	(Thu)	05:31	06:19	109	12:04	59S	17:50	251	18:38
2024	Nov	15	(Fri)	05:31	06:19	109	12:05	59S	17:50	251	18:38
2024	Nov	16	(Sat)	05:32	06:20	109	12:05	58S	17:50	251	18:38
2024	Nov	17	(Sun)	05:32	06:20	109	12:05	58S	17:50	250	18:38
2024	Nov	18	(Mon)	05:32	06:21	110	12:05	58S	17:50	250	18:38
2024	Nov	19	(Tue)	05:33	06:21	110	12:05	58S	17:50	250	18:38
2024	Nov	20	(Wed)	05:33	06:22	110	12:06	57S	17:50	250	18:38
2024	Nov	21	(Thu)	05:34	06:22	110	12:06	57S	17:50	250	18:38
2024	Nov	22	(Fri)	05:34	06:23	111	12:06	57S	17:50	249	18:38
2024	Nov	23	(Sat)	05:34	06:23	111	12:06	57S	17:50	249	18:38
2024	Nov	24	(Sun)	05:35	06:24	111	12:07	57S	17:50	249	18:39
2024	Nov	25	(Mon)	05:35	06:24	111	12:07	56S	17:50	249	18:39
2024	Nov	26	(Tue)	05:36	06:25	111	12:07	56S	17:50	249	18:39
2024	Nov	27	(Wed)	05:36	06:25	112	12:08	56S	17:50	248	18:39
2024	Nov	28	(Thu)	05:37	06:26	112	12:08	56S	17:50	248	18:39
2024	Nov	29	(Fri)	05:37	06:26	112	12:08	56S	17:50	248	18:40
2024	Nov	30	(Sat)	05:38	06:27	112	12:09	56S	17:51	248	18:40
2024	Dec	01	(Sun)	05:38	06:27	112	12:09	55S	17:51	248	18:40
2024	Dec	02	(Mon)	05:39	06:28	112	12:10	55S	17:51	248	18:40
2024	Dec	03	(Tue)	05:39	06:28	113	12:10	55S	17:51	247	18:41
2024	Dec	04	(Wed)	05:40	06:29	113	12:10	55S	17:52	247	18:41
2024	Dec	05	(Thu)	05:40	06:29	113	12:11	55S	17:52	247	18:41
2024	Dec	06	(Fri)	05:41	06:30	113	12:11	55S	17:52	247	18:42
2024	Dec	07	(Sat)	05:41	06:31	113	12:12	55S	17:52	247	18:42
2024	Dec	08	(Sun)	05:42	06:31	113	12:12	55S	17:53	247	18:42
2024	Dec	09	(Mon)	05:42	06:32	113	12:12	54S	17:53	247	18:43
2024	Dec	10	(Tue)	05:43	06:32	113	12:13	54S	17:54	247	18:43
2024	Dec	11	(Wed)	05:43	06:33	113	12:13	54S	17:54	246	18:44
2024	Dec	12	(Thu)	05:44	06:33	114	12:14	54S	17:54	246	18:44
2024	Dec	13	(Fri)	05:44	06:34	114	12:14	54S	17:55	246	18:44

2024	Dec 14	(Sat)	05:45	06:34	114	12:15	54S	17:55	246	18:45
2024	Dec 15	(Sun)	05:45	06:35	114	12:15	54S	17:56	246	18:45
2024	Dec 16	(Mon)	05:46	06:36	114	12:16	54S	17:56	246	18:46
2024	Dec 17	(Tue)	05:46	06:36	114	12:16	54S	17:56	246	18:46
2024	Dec 18	(Wed)	05:47	06:37	114	12:17	54S	17:57	246	18:47
2024	Dec 19	(Thu)	05:47	06:37	114	12:17	54S	17:57	246	18:47
2024	Dec 20	(Fri)	05:48	06:38	114	12:18	54S	17:58	246	18:48
2024	Dec 21	(Sat)	05:48	06:38	114	12:18	54S	17:58	246	18:48
2024	Dec 22	(Sun)	05:49	06:39	114	12:19	54S	17:59	246	18:49
2024	Dec 23	(Mon)	05:49	06:39	114	12:19	54S	17:59	246	18:49
2024	Dec 24	(Tue)	05:50	06:40	114	12:20	54S	18:00	246	18:50
2024	Dec 25	(Wed)	05:50	06:40	114	12:20	54S	18:00	246	18:50
2024	Dec 26	(Thu)	05:51	06:40	114	12:21	54S	18:01	246	18:51
2024	Dec 27	(Fri)	05:51	06:41	114	12:21	54S	18:01	246	18:51
2024	Dec 28	(Sat)	05:52	06:41	114	12:22	54S	18:02	246	18:52
2024	Dec 29	(Sun)	05:52	06:42	114	12:22	54S	18:03	246	18:52
2024	Dec 30	(Mon)	05:53	06:42	114	12:23	54S	18:03	246	18:53
2024	Dec 31	(Tue)	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
2024	Jan 01	(Mon)	06:20	06:43	114	12:23	54S	18:04	247	18:27
2024	Jan 02	(Tue)	06:20	06:43	113	12:24	54S	18:04	247	18:27
2024	Jan 03	(Wed)	06:20	06:43	113	12:24	54S	18:05	247	18:28
2024	Jan 04	(Thu)	06:21	06:44	113	12:25	55S	18:05	247	18:28
2024	Jan 05	(Fri)	06:21	06:44	113	12:25	55S	18:06	247	18:29
2024	Jan 06	(Sat)	06:22	06:44	113	12:26	55S	18:07	247	18:30
2024	Jan 07	(Sun)	06:22	06:45	113	12:26	55S	18:07	247	18:30
2024	Jan 08	(Mon)	06:22	06:45	113	12:26	55S	18:08	247	18:31
2024	Jan 09	(Tue)	06:22	06:45	113	12:27	55S	18:08	247	18:31
2024	Jan 10	(Wed)	06:23	06:46	113	12:27	55S	18:09	248	18:32
2024	Jan 11	(Thu)	06:23	06:46	112	12:28	55S	18:09	248	18:32
2024	Jan 12	(Fri)	06:23	06:46	112	12:28	56S	18:10	248	18:33
2024	Jan 13	(Sat)	06:24	06:46	112	12:28	56S	18:11	248	18:33
2024	Jan 14	(Sun)	06:24	06:47	112	12:29	56S	18:11	248	18:34
2024	Jan 15	(Mon)	06:24	06:47	112	12:29	56S	18:12	248	18:34
2024	Jan 16	(Tue)	06:24	06:47	111	12:30	56S	18:12	249	18:35
2024	Jan 17	(Wed)	06:24	06:47	111	12:30	56S	18:13	249	18:36
2024	Jan 18	(Thu)	06:24	06:47	111	12:30	57S	18:13	249	18:36
2024	Jan 19	(Fri)	06:25	06:47	111	12:31	57S	18:14	249	18:37
2024	Jan 20	(Sat)	06:25	06:47	111	12:31	57S	18:14	249	18:37
2024	Jan 21	(Sun)	06:25	06:47	110	12:31	57S	18:15	250	18:38
2024	Jan 22	(Mon)	06:25	06:47	110	12:31	57S	18:15	250	18:38
2024	Jan 23	(Tue)	06:25	06:47	110	12:32	58S	18:16	250	18:38
2024	Jan 24	(Wed)	06:25	06:47	110	12:32	58S	18:16	250	18:39
2024	Jan 25	(Thu)	06:25	06:47	109	12:32	58S	18:17	251	18:39
2024	Jan 26	(Fri)	06:25	06:47	109	12:32	58S	18:17	251	18:40
2024	Jan 27	(Sat)	06:25	06:47	109	12:33	59S	18:18	251	18:40
2024	Jan 28	(Sun)	06:25	06:47	109	12:33	59S	18:18	251	18:41
2024	Jan 29	(Mon)	06:25	06:47	108	12:33	59S	18:19	252	18:41
2024	Jan 30	(Tue)	06:25	06:47	108	12:33	59S	18:19	252	18:42
2024	Jan 31	(Wed)	06:25	06:47	108	12:33	60S	18:20	252	18:42
2024	Feb 01	(Thu)	06:25	06:47	108	12:33	60S	18:20	253	18:42
2024	Feb 02	(Fri)	06:25	06:47	107	12:34	60S	18:21	253	18:43
2024	Feb 03	(Sat)	06:24	06:47	107	12:34	61S	18:21	253	18:43
2024	Feb 04	(Sun)	06:24	06:46	107	12:34	61S	18:21	253	18:44
2024	Feb 05	(Mon)	06:24	06:46	106	12:34	61S	18:22	254	18:44
2024	Feb 06	(Tue)	06:24	06:46	106	12:34	62S	18:22	254	18:44
2024	Feb 07	(Wed)	06:24	06:46	106	12:34	62S	18:23	254	18:45
2024	Feb 08	(Thu)	06:24	06:45	105	12:34	62S	18:23	255	18:45
2024	Feb 09	(Fri)	06:23	06:45	105	12:34	62S	18:23	255	18:45
2024	Feb 10	(Sat)	06:23	06:45	105	12:34	63S	18:24	255	18:46

2024	Feb	11	(Sun)	06:23	06:45	104	12:34	63S	18:24	256	18:46
2024	Feb	12	(Mon)	06:22	06:44	104	12:34	63S	18:24	256	18:46
2024	Feb	13	(Tue)	06:22	06:44	104	12:34	64S	18:25	256	18:46
2024	Feb	14	(Wed)	06:22	06:44	103	12:34	64S	18:25	257	18:47
2024	Feb	15	(Thu)	06:21	06:43	103	12:34	64S	18:25	257	18:47
2024	Feb	16	(Fri)	06:21	06:43	103	12:34	65S	18:26	257	18:47
2024	Feb	17	(Sat)	06:21	06:42	102	12:34	65S	18:26	258	18:48
2024	Feb	18	(Sun)	06:20	06:42	102	12:34	65S	18:26	258	18:48
2024	Feb	19	(Mon)	06:20	06:42	102	12:34	66S	18:26	259	18:48
2024	Feb	20	(Tue)	06:20	06:41	101	12:34	66S	18:27	259	18:48
2024	Feb	21	(Wed)	06:19	06:41	101	12:34	67S	18:27	259	18:48
2024	Feb	22	(Thu)	06:19	06:40	101	12:34	67S	18:27	260	18:49
2024	Feb	23	(Fri)	06:18	06:40	100	12:33	67S	18:27	260	18:49
2024	Feb	24	(Sat)	06:18	06:39	100	12:33	68S	18:28	260	18:49
2024	Feb	25	(Sun)	06:17	06:39	99	12:33	68S	18:28	261	18:49
2024	Feb	26	(Mon)	06:17	06:38	99	12:33	68S	18:28	261	18:49
2024	Feb	27	(Tue)	06:16	06:38	99	12:33	69S	18:28	262	18:50
2024	Feb	28	(Wed)	06:16	06:37	98	12:33	69S	18:28	262	18:50
2024	Feb	29	(Thu)	06:15	06:37	98	12:32	70S	18:29	262	18:50
2024	Mar	01	(Fri)	06:15	06:36	98	12:32	70S	18:29	263	18:50
2024	Mar	02	(Sat)	06:14	06:36	97	12:32	70S	18:29	263	18:50
2024	Mar	03	(Sun)	06:14	06:35	97	12:32	71S	18:29	263	18:50
2024	Mar	04	(Mon)	06:13	06:34	96	12:32	71S	18:29	264	18:51
2024	Mar	05	(Tue)	06:12	06:34	96	12:31	71S	18:29	264	18:51
2024	Mar	06	(Wed)	06:12	06:33	96	12:31	72S	18:29	265	18:51
2024	Mar	07	(Thu)	06:11	06:33	95	12:31	72S	18:30	265	18:51
2024	Mar	08	(Fri)	06:11	06:32	95	12:31	73S	18:30	265	18:51
2024	Mar	09	(Sat)	06:10	06:31	94	12:30	73S	18:30	266	18:51
2024	Mar	10	(Sun)	06:09	06:31	94	12:30	73S	18:30	266	18:51
2024	Mar	11	(Mon)	06:09	06:30	94	12:30	74S	18:30	267	18:51
2024	Mar	12	(Tue)	06:08	06:29	93	12:30	74S	18:30	267	18:51
2024	Mar	13	(Wed)	06:08	06:29	93	12:29	75S	18:30	267	18:52
2024	Mar	14	(Thu)	06:07	06:28	92	12:29	75S	18:30	268	18:52
2024	Mar	15	(Fri)	06:06	06:27	92	12:29	75S	18:30	268	18:52
2024	Mar	16	(Sat)	06:06	06:27	91	12:29	76S	18:31	269	18:52
2024	Mar	17	(Sun)	06:05	06:26	91	12:28	76S	18:31	269	18:52
2024	Mar	18	(Mon)	06:04	06:25	91	12:28	77S	18:31	270	18:52
2024	Mar	19	(Tue)	06:04	06:25	90	12:28	77S	18:31	270	18:52
2024	Mar	20	(Wed)	06:03	06:24	90	12:27	77S	18:31	270	18:52
2024	Mar	21	(Thu)	06:02	06:23	89	12:27	78S	18:31	271	18:52
2024	Mar	22	(Fri)	06:02	06:23	89	12:27	78S	18:31	271	18:52
2024	Mar	23	(Sat)	06:01	06:22	89	12:27	79S	18:31	272	18:52
2024	Mar	24	(Sun)	06:00	06:21	88	12:26	79S	18:31	272	18:52
2024	Mar	25	(Mon)	05:59	06:21	88	12:26	79S	18:31	272	18:53
2024	Mar	26	(Tue)	05:59	06:20	87	12:26	80S	18:31	273	18:53
2024	Mar	27	(Wed)	05:58	06:19	87	12:25	80S	18:31	273	18:53
2024	Mar	28	(Thu)	05:57	06:19	87	12:25	80S	18:32	274	18:53
2024	Mar	29	(Fri)	05:57	06:18	86	12:25	81S	18:32	274	18:53
2024	Mar	30	(Sat)	05:56	06:17	86	12:24	81S	18:32	274	18:53
2024	Mar	31	(Sun)	05:55	06:17	85	12:24	82S	18:32	275	18:53
2024	Apr	01	(Mon)	05:55	06:16	85	12:24	82S	18:32	275	18:53
2024	Apr	02	(Tue)	05:54	06:15	85	12:24	82S	18:32	276	18:53
2024	Apr	03	(Wed)	05:53	06:15	84	12:23	83S	18:32	276	18:53
2024	Apr	04	(Thu)	05:53	06:14	84	12:23	83S	18:32	276	18:53
2024	Apr	05	(Fri)	05:52	06:13	83	12:23	84S	18:32	277	18:54
2024	Apr	06	(Sat)	05:51	06:13	83	12:22	84S	18:32	277	18:54
2024	Apr	07	(Sun)	05:51	06:12	83	12:22	84S	18:32	278	18:54
2024	Apr	08	(Mon)	05:50	06:11	82	12:22	85S	18:32	278	18:54
2024	Apr	09	(Tue)	05:49	06:11	82	12:22	85S	18:32	278	18:54
2024	Apr	10	(Wed)	05:49	06:10	82	12:21	85S	18:33	279	18:54
2024	Apr	11	(Thu)	05:48	06:10	81	12:21	86S	18:33	279	18:54
2024	Apr	12	(Fri)	05:47	06:09	81	12:21	86S	18:33	279	18:54
2024	Apr	13	(Sat)	05:47	06:08	80	12:21	87S	18:33	280	18:55
2024	Apr	14	(Sun)	05:46	06:08	80	12:20	87S	18:33	280	18:55
2024	Apr	15	(Mon)	05:45	06:07	80	12:20	87S	18:33	281	18:55
2024	Apr	16	(Tue)	05:45	06:07	79	12:20	88S	18:33	281	18:55
2024	Apr	17	(Wed)	05:44	06:06	79	12:20	88S	18:33	281	18:55
2024	Apr	18	(Thu)	05:44	06:05	79	12:19	88S	18:33	282	18:55
2024	Apr	19	(Fri)	05:43	06:05	78	12:19	89S	18:34	282	18:55
2024	Apr	20	(Sat)	05:42	06:04	78	12:19	89S	18:34	282	18:56
2024	Apr	21	(Sun)	05:42	06:04	78	12:19	89S	18:34	283	18:56
2024	Apr	22	(Mon)	05:41	06:03	77	12:19	90S	18:34	283	18:56

2024	Apr	23	(Tue)	05:41	06:03	77	12:18	90S	18:34	283	18:56
2024	Apr	24	(Wed)	05:40	06:02	76	12:18	90S	18:34	284	18:56
2024	Apr	25	(Thu)	05:40	06:02	76	12:18	91S	18:35	284	18:56
2024	Apr	26	(Fri)	05:39	06:01	76	12:18	90N	18:35	284	18:57
2024	Apr	27	(Sat)	05:39	06:01	75	12:18	90N	18:35	285	18:57
2024	Apr	28	(Sun)	05:38	06:00	75	12:17	90N	18:35	285	18:57
2024	Apr	29	(Mon)	05:38	06:00	75	12:17	90N	18:35	285	18:57
2024	Apr	30	(Tue)	05:37	05:59	75	12:17	89N	18:35	286	18:58
2024	May	01	(Wed)	05:37	05:59	74	12:17	89N	18:36	286	18:58
2024	May	02	(Thu)	05:36	05:58	74	12:17	89N	18:36	286	18:58
2024	May	03	(Fri)	05:36	05:58	74	12:17	88N	18:36	287	18:58
2024	May	04	(Sat)	05:35	05:58	73	12:17	88N	18:36	287	18:59
2024	May	05	(Sun)	05:35	05:57	73	12:17	88N	18:36	287	18:59
2024	May	06	(Mon)	05:34	05:57	73	12:17	87N	18:37	287	18:59
2024	May	07	(Tue)	05:34	05:56	72	12:17	87N	18:37	288	18:59
2024	May	08	(Wed)	05:34	05:56	72	12:17	87N	18:37	288	19:00
2024	May	09	(Thu)	05:33	05:56	72	12:16	87N	18:37	288	19:00
2024	May	10	(Fri)	05:33	05:55	72	12:16	86N	18:38	289	19:00
2024	May	11	(Sat)	05:33	05:55	71	12:16	86N	18:38	289	19:00
2024	May	12	(Sun)	05:32	05:55	71	12:16	86N	18:38	289	19:01
2024	May	13	(Mon)	05:32	05:55	71	12:16	86N	18:38	289	19:01
2024	May	14	(Tue)	05:32	05:54	71	12:16	85N	18:39	290	19:01
2024	May	15	(Wed)	05:31	05:54	70	12:16	85N	18:39	290	19:02
2024	May	16	(Thu)	05:31	05:54	70	12:16	85N	18:39	290	19:02
2024	May	17	(Fri)	05:31	05:54	70	12:16	85N	18:39	290	19:02
2024	May	18	(Sat)	05:31	05:53	70	12:16	84N	18:40	291	19:03
2024	May	19	(Sun)	05:30	05:53	69	12:17	84N	18:40	291	19:03
2024	May	20	(Mon)	05:30	05:53	69	12:17	84N	18:40	291	19:03
2024	May	21	(Tue)	05:30	05:53	69	12:17	84N	18:41	291	19:04
2024	May	22	(Wed)	05:30	05:53	69	12:17	84N	18:41	291	19:04
2024	May	23	(Thu)	05:30	05:53	69	12:17	83N	18:41	292	19:04
2024	May	24	(Fri)	05:29	05:52	68	12:17	83N	18:42	292	19:05
2024	May	25	(Sat)	05:29	05:52	68	12:17	83N	18:42	292	19:05
2024	May	26	(Sun)	05:29	05:52	68	12:17	83N	18:42	292	19:05
2024	May	27	(Mon)	05:29	05:52	68	12:17	83N	18:42	292	19:06
2024	May	28	(Tue)	05:29	05:52	68	12:17	83N	18:43	292	19:06
2024	May	29	(Wed)	05:29	05:52	67	12:17	82N	18:43	293	19:06
2024	May	30	(Thu)	05:29	05:52	67	12:18	82N	18:43	293	19:07
2024	May	31	(Fri)	05:29	05:52	67	12:18	82N	18:44	293	19:07
2024	Jun	01	(Sat)	05:29	05:52	67	12:18	82N	18:44	293	19:07
2024	Jun	02	(Sun)	05:29	05:52	67	12:18	82N	18:44	293	19:08
2024	Jun	03	(Mon)	05:29	05:52	67	12:18	82N	18:45	293	19:08
2024	Jun	04	(Tue)	05:29	05:52	67	12:18	82N	18:45	293	19:08
2024	Jun	05	(Wed)	05:29	05:52	67	12:19	82N	18:45	294	19:09
2024	Jun	06	(Thu)	05:29	05:52	66	12:19	81N	18:46	294	19:09
2024	Jun	07	(Fri)	05:29	05:52	66	12:19	81N	18:46	294	19:09
2024	Jun	08	(Sat)	05:29	05:52	66	12:19	81N	18:46	294	19:09
2024	Jun	09	(Sun)	05:29	05:52	66	12:19	81N	18:46	294	19:10
2024	Jun	10	(Mon)	05:29	05:52	66	12:20	81N	18:47	294	19:10
2024	Jun	11	(Tue)	05:29	05:53	66	12:20	81N	18:47	294	19:10
2024	Jun	12	(Wed)	05:29	05:53	66	12:20	81N	18:47	294	19:11
2024	Jun	13	(Thu)	05:29	05:53	66	12:20	81N	18:48	294	19:11
2024	Jun	14	(Fri)	05:30	05:53	66	12:20	81N	18:48	294	19:11
2024	Jun	15	(Sat)	05:30	05:53	66	12:21	81N	18:48	294	19:11
2024	Jun	16	(Sun)	05:30	05:53	66	12:21	81N	18:48	294	19:12
2024	Jun	17	(Mon)	05:30	05:54	66	12:21	81N	18:49	294	19:12
2024	Jun	18	(Tue)	05:30	05:54	66	12:21	81N	18:49	294	19:12
2024	Jun	19	(Wed)	05:30	05:54	66	12:21	81N	18:49	294	19:12
2024	Jun	20	(Thu)	05:31	05:54	66	12:22	81N	18:49	294	19:13
2024	Jun	21	(Fri)	05:31	05:54	66	12:22	81N	18:49	294	19:13
2024	Jun	22	(Sat)	05:31	05:55	66	12:22	81N	18:50	294	19:13
2024	Jun	23	(Sun)	05:31	05:55	66	12:22	81N	18:50	294	19:13
2024	Jun	24	(Mon)	05:32	05:55	66	12:23	81N	18:50	294	19:14
2024	Jun	25	(Tue)	05:32	05:55	66	12:23	81N	18:50	294	19:14
2024	Jun	26	(Wed)	05:32	05:56	66	12:23	81N	18:50	294	19:14
2024	Jun	27	(Thu)	05:32	05:56	66	12:23	81N	18:51	294	19:14
2024	Jun	28	(Fri)	05:33	05:56	66	12:23	81N	18:51	294	19:14
2024	Jun	29	(Sat)	05:33	05:56	66	12:24	81N	18:51	294	19:14
2024	Jun	30	(Sun)	05:33	05:57	66	12:24	81N	18:51	294	19:14
2024	Jul	01	(Mon)	05:33	05:57	66	12:24	81N	18:51	294	19:14
2024	Jul	02	(Tue)	05:34	05:57	66	12:24	81N	18:51	294	19:15
2024	Jul	03	(Wed)	05:34	05:57	66	12:24	81N	18:51	294	19:15

2024	Jul	04	(Thu)	05:34	05:58	66	12:25	81N	18:51	294	19:15
2024	Jul	05	(Fri)	05:35	05:58	66	12:25	81N	18:51	294	19:15
2024	Jul	06	(Sat)	05:35	05:58	66	12:25	82N	18:51	293	19:15
2024	Jul	07	(Sun)	05:35	05:59	67	12:25	82N	18:51	293	19:15
2024	Jul	08	(Mon)	05:36	05:59	67	12:25	82N	18:52	293	19:15
2024	Jul	09	(Tue)	05:36	05:59	67	12:25	82N	18:52	293	19:15
2024	Jul	10	(Wed)	05:36	05:59	67	12:25	82N	18:52	293	19:15
2024	Jul	11	(Thu)	05:36	06:00	67	12:26	82N	18:51	293	19:15
2024	Jul	12	(Fri)	05:37	06:00	67	12:26	82N	18:51	293	19:15
2024	Jul	13	(Sat)	05:37	06:00	67	12:26	82N	18:51	293	19:15
2024	Jul	14	(Sun)	05:37	06:01	68	12:26	83N	18:51	292	19:14
2024	Jul	15	(Mon)	05:38	06:01	68	12:26	83N	18:51	292	19:14
2024	Jul	16	(Tue)	05:38	06:01	68	12:26	83N	18:51	292	19:14
2024	Jul	17	(Wed)	05:38	06:01	68	12:26	83N	18:51	292	19:14
2024	Jul	18	(Thu)	05:39	06:02	68	12:26	83N	18:51	292	19:14
2024	Jul	19	(Fri)	05:39	06:02	68	12:26	83N	18:51	292	19:14
2024	Jul	20	(Sat)	05:39	06:02	69	12:26	84N	18:51	291	19:14
2024	Jul	21	(Sun)	05:40	06:02	69	12:26	84N	18:50	291	19:13
2024	Jul	22	(Mon)	05:40	06:03	69	12:27	84N	18:50	291	19:13
2024	Jul	23	(Tue)	05:40	06:03	69	12:27	84N	18:50	291	19:13
2024	Jul	24	(Wed)	05:40	06:03	69	12:27	84N	18:50	290	19:13
2024	Jul	25	(Thu)	05:41	06:03	70	12:27	85N	18:50	290	19:12
2024	Jul	26	(Fri)	05:41	06:04	70	12:27	85N	18:49	290	19:12
2024	Jul	27	(Sat)	05:41	06:04	70	12:27	85N	18:49	290	19:12
2024	Jul	28	(Sun)	05:41	06:04	70	12:27	85N	18:49	290	19:11
2024	Jul	29	(Mon)	05:42	06:04	71	12:27	86N	18:49	289	19:11
2024	Jul	30	(Tue)	05:42	06:05	71	12:26	86N	18:48	289	19:11
2024	Jul	31	(Wed)	05:42	06:05	71	12:26	86N	18:48	289	19:10
2024	Aug	01	(Thu)	05:43	06:05	71	12:26	86N	18:48	289	19:10
2024	Aug	02	(Fri)	05:43	06:05	72	12:26	87N	18:47	288	19:10
2024	Aug	03	(Sat)	05:43	06:05	72	12:26	87N	18:47	288	19:09
2024	Aug	04	(Sun)	05:43	06:06	72	12:26	87N	18:46	288	19:09
2024	Aug	05	(Mon)	05:43	06:06	72	12:26	87N	18:46	287	19:08
2024	Aug	06	(Tue)	05:44	06:06	73	12:26	88N	18:46	287	19:08
2024	Aug	07	(Wed)	05:44	06:06	73	12:26	88N	18:45	287	19:08
2024	Aug	08	(Thu)	05:44	06:06	73	12:26	88N	18:45	287	19:07
2024	Aug	09	(Fri)	05:44	06:07	74	12:26	88N	18:44	286	19:07
2024	Aug	10	(Sat)	05:45	06:07	74	12:25	89N	18:44	286	19:06
2024	Aug	11	(Sun)	05:45	06:07	74	12:25	89N	18:43	286	19:06
2024	Aug	12	(Mon)	05:45	06:07	74	12:25	89N	18:43	285	19:05
2024	Aug	13	(Tue)	05:45	06:07	75	12:25	90N	18:42	285	19:05
2024	Aug	14	(Wed)	05:45	06:07	75	12:25	90N	18:42	285	19:04
2024	Aug	15	(Thu)	05:45	06:07	75	12:24	90N	18:41	284	19:03
2024	Aug	16	(Fri)	05:46	06:08	76	12:24	91N	18:41	284	19:03
2024	Aug	17	(Sat)	05:46	06:08	76	12:24	91S	18:40	284	19:02
2024	Aug	18	(Sun)	05:46	06:08	76	12:24	90S	18:40	283	19:02
2024	Aug	19	(Mon)	05:46	06:08	77	12:24	90S	18:39	283	19:01
2024	Aug	20	(Tue)	05:46	06:08	77	12:23	90S	18:39	283	19:00
2024	Aug	21	(Wed)	05:46	06:08	77	12:23	89S	18:38	282	19:00
2024	Aug	22	(Thu)	05:46	06:08	78	12:23	89S	18:37	282	18:59
2024	Aug	23	(Fri)	05:46	06:08	78	12:23	89S	18:37	282	18:59
2024	Aug	24	(Sat)	05:47	06:08	78	12:22	88S	18:36	281	18:58
2024	Aug	25	(Sun)	05:47	06:08	79	12:22	88S	18:36	281	18:57
2024	Aug	26	(Mon)	05:47	06:08	79	12:22	88S	18:35	281	18:57
2024	Aug	27	(Tue)	05:47	06:08	80	12:21	87S	18:34	280	18:56
2024	Aug	28	(Wed)	05:47	06:09	80	12:21	87S	18:34	280	18:55
2024	Aug	29	(Thu)	05:47	06:09	80	12:21	86S	18:33	280	18:55
2024	Aug	30	(Fri)	05:47	06:09	81	12:21	86S	18:32	279	18:54
2024	Aug	31	(Sat)	05:47	06:09	81	12:20	86S	18:32	279	18:53
2024	Sep	01	(Sun)	05:47	06:09	81	12:20	85S	18:31	278	18:53
2024	Sep	02	(Mon)	05:47	06:09	82	12:20	85S	18:30	278	18:52
2024	Sep	03	(Tue)	05:47	06:09	82	12:19	85S	18:30	278	18:51
2024	Sep	04	(Wed)	05:47	06:09	83	12:19	84S	18:29	277	18:50
2024	Sep	05	(Thu)	05:47	06:09	83	12:19	84S	18:28	277	18:50
2024	Sep	06	(Fri)	05:47	06:09	83	12:18	84S	18:28	277	18:49
2024	Sep	07	(Sat)	05:48	06:09	84	12:18	83S	18:27	276	18:48
2024	Sep	08	(Sun)	05:48	06:09	84	12:18	83S	18:26	276	18:48
2024	Sep	09	(Mon)	05:48	06:09	84	12:17	82S	18:25	275	18:47
2024	Sep	10	(Tue)	05:48	06:09	85	12:17	82S	18:25	275	18:46
2024	Sep	11	(Wed)	05:48	06:09	85	12:17	82S	18:24	275	18:45
2024	Sep	12	(Thu)	05:48	06:09	86	12:16	81S	18:23	274	18:45
2024	Sep	13	(Fri)	05:48	06:09	86	12:16	81S	18:23	274	18:44

2024	Sep	14	(Sat)	05:48	06:09	86	12:16	80S	18:22	273	18:43
2024	Sep	15	(Sun)	05:48	06:09	87	12:15	80S	18:21	273	18:42
2024	Sep	16	(Mon)	05:48	06:09	87	12:15	80S	18:20	273	18:42
2024	Sep	17	(Tue)	05:48	06:09	88	12:14	79S	18:20	272	18:41
2024	Sep	18	(Wed)	05:48	06:09	88	12:14	79S	18:19	272	18:40
2024	Sep	19	(Thu)	05:48	06:09	88	12:14	79S	18:18	271	18:39
2024	Sep	20	(Fri)	05:48	06:09	89	12:13	78S	18:17	271	18:39
2024	Sep	21	(Sat)	05:48	06:09	89	12:13	78S	18:17	271	18:38
2024	Sep	22	(Sun)	05:48	06:09	90	12:13	77S	18:16	270	18:37
2024	Sep	23	(Mon)	05:48	06:09	90	12:12	77S	18:15	270	18:37
2024	Sep	24	(Tue)	05:48	06:09	90	12:12	77S	18:15	269	18:36
2024	Sep	25	(Wed)	05:48	06:09	91	12:12	76S	18:14	269	18:35
2024	Sep	26	(Thu)	05:48	06:09	91	12:11	76S	18:13	269	18:34
2024	Sep	27	(Fri)	05:48	06:09	92	12:11	75S	18:12	268	18:34
2024	Sep	28	(Sat)	05:48	06:09	92	12:11	75S	18:12	268	18:33
2024	Sep	29	(Sun)	05:48	06:09	92	12:10	75S	18:11	267	18:32
2024	Sep	30	(Mon)	05:48	06:09	93	12:10	74S	18:10	267	18:32
2024	Oct	01	(Tue)	05:48	06:09	93	12:10	74S	18:10	267	18:31
2024	Oct	02	(Wed)	05:48	06:09	94	12:09	74S	18:09	266	18:30
2024	Oct	03	(Thu)	05:48	06:10	94	12:09	73S	18:08	266	18:30
2024	Oct	04	(Fri)	05:48	06:10	94	12:09	73S	18:08	265	18:29
2024	Oct	05	(Sat)	05:48	06:10	95	12:08	72S	18:07	265	18:28
2024	Oct	06	(Sun)	05:48	06:10	95	12:08	72S	18:06	265	18:28
2024	Oct	07	(Mon)	05:48	06:10	96	12:08	72S	18:06	264	18:27
2024	Oct	08	(Tue)	05:49	06:10	96	12:08	71S	18:05	264	18:26
2024	Oct	09	(Wed)	05:49	06:10	96	12:07	71S	18:04	263	18:26
2024	Oct	10	(Thu)	05:49	06:10	97	12:07	70S	18:04	263	18:25
2024	Oct	11	(Fri)	05:49	06:10	97	12:07	70S	18:03	263	18:24
2024	Oct	12	(Sat)	05:49	06:10	98	12:06	70S	18:02	262	18:24
2024	Oct	13	(Sun)	05:49	06:10	98	12:06	69S	18:02	262	18:23
2024	Oct	14	(Mon)	05:49	06:11	98	12:06	69S	18:01	262	18:23
2024	Oct	15	(Tue)	05:49	06:11	99	12:06	69S	18:01	261	18:22
2024	Oct	16	(Wed)	05:49	06:11	99	12:06	68S	18:00	261	18:22
2024	Oct	17	(Thu)	05:49	06:11	99	12:05	68S	18:00	260	18:21
2024	Oct	18	(Fri)	05:50	06:11	100	12:05	67S	17:59	260	18:21
2024	Oct	19	(Sat)	05:50	06:11	100	12:05	67S	17:58	260	18:20
2024	Oct	20	(Sun)	05:50	06:11	101	12:05	67S	17:58	259	18:20
2024	Oct	21	(Mon)	05:50	06:12	101	12:05	66S	17:57	259	18:19
2024	Oct	22	(Tue)	05:50	06:12	101	12:04	66S	17:57	259	18:19
2024	Oct	23	(Wed)	05:50	06:12	102	12:04	66S	17:56	258	18:18
2024	Oct	24	(Thu)	05:51	06:12	102	12:04	65S	17:56	258	18:18
2024	Oct	25	(Fri)	05:51	06:12	102	12:04	65S	17:56	258	18:17
2024	Oct	26	(Sat)	05:51	06:13	103	12:04	65S	17:55	257	18:17
2024	Oct	27	(Sun)	05:51	06:13	103	12:04	64S	17:55	257	18:16
2024	Oct	28	(Mon)	05:51	06:13	103	12:04	64S	17:54	256	18:16
2024	Oct	29	(Tue)	05:52	06:13	104	12:04	64S	17:54	256	18:16
2024	Oct	30	(Wed)	05:52	06:14	104	12:04	63S	17:54	256	18:15
2024	Oct	31	(Thu)	05:52	06:14	104	12:04	63S	17:53	255	18:15
2024	Nov	01	(Fri)	05:52	06:14	105	12:04	63S	17:53	255	18:15
2024	Nov	02	(Sat)	05:53	06:15	105	12:04	62S	17:52	255	18:14
2024	Nov	03	(Sun)	05:53	06:15	105	12:04	62S	17:52	254	18:14
2024	Nov	04	(Mon)	05:53	06:15	106	12:04	62S	17:52	254	18:14
2024	Nov	05	(Tue)	05:53	06:15	106	12:04	61S	17:52	254	18:14
2024	Nov	06	(Wed)	05:54	06:16	106	12:04	61S	17:51	254	18:13
2024	Nov	07	(Thu)	05:54	06:16	107	12:04	61S	17:51	253	18:13
2024	Nov	08	(Fri)	05:54	06:17	107	12:04	61S	17:51	253	18:13
2024	Nov	09	(Sat)	05:55	06:17	107	12:04	60S	17:51	253	18:13
2024	Nov	10	(Sun)	05:55	06:17	108	12:04	60S	17:50	252	18:13
2024	Nov	11	(Mon)	05:55	06:18	108	12:04	60S	17:50	252	18:13
2024	Nov	12	(Tue)	05:56	06:18	108	12:04	59S	17:50	252	18:12
2024	Nov	13	(Wed)	05:56	06:19	108	12:04	59S	17:50	252	18:12
2024	Nov	14	(Thu)	05:57	06:19	109	12:04	59S	17:50	251	18:12
2024	Nov	15	(Fri)	05:57	06:19	109	12:05	59S	17:50	251	18:12
2024	Nov	16	(Sat)	05:57	06:20	109	12:05	58S	17:50	251	18:12
2024	Nov	17	(Sun)	05:58	06:20	109	12:05	58S	17:50	250	18:12
2024	Nov	18	(Mon)	05:58	06:21	110	12:05	58S	17:50	250	18:12
2024	Nov	19	(Tue)	05:59	06:21	110	12:05	58S	17:50	250	18:12
2024	Nov	20	(Wed)	05:59	06:22	110	12:06	57S	17:50	250	18:12
2024	Nov	21	(Thu)	06:00	06:22	110	12:06	57S	17:50	250	18:12
2024	Nov	22	(Fri)	06:00	06:23	111	12:06	57S	17:50	249	18:12
2024	Nov	23	(Sat)	06:00	06:23	111	12:06	57S	17:50	249	18:12
2024	Nov	24	(Sun)	06:01	06:24	111	12:07	57S	17:50	249	18:12

2024	Nov	25	(Mon)	06:01	06:24	111	12:07	56S	17:50	249	18:13
2024	Nov	26	(Tue)	06:02	06:25	111	12:07	56S	17:50	249	18:13
2024	Nov	27	(Wed)	06:02	06:25	112	12:08	56S	17:50	248	18:13
2024	Nov	28	(Thu)	06:03	06:26	112	12:08	56S	17:50	248	18:13
2024	Nov	29	(Fri)	06:03	06:26	112	12:08	56S	17:50	248	18:13
2024	Nov	30	(Sat)	06:04	06:27	112	12:09	56S	17:51	248	18:14
2024	Dec	01	(Sun)	06:04	06:27	112	12:09	55S	17:51	248	18:14
2024	Dec	02	(Mon)	06:05	06:28	112	12:10	55S	17:51	248	18:14
2024	Dec	03	(Tue)	06:05	06:28	113	12:10	55S	17:51	247	18:14
2024	Dec	04	(Wed)	06:06	06:29	113	12:10	55S	17:52	247	18:15
2024	Dec	05	(Thu)	06:07	06:29	113	12:11	55S	17:52	247	18:15
2024	Dec	06	(Fri)	06:07	06:30	113	12:11	55S	17:52	247	18:15
2024	Dec	07	(Sat)	06:08	06:31	113	12:12	55S	17:52	247	18:15
2024	Dec	08	(Sun)	06:08	06:31	113	12:12	55S	17:53	247	18:16
2024	Dec	09	(Mon)	06:09	06:32	113	12:12	54S	17:53	247	18:16
2024	Dec	10	(Tue)	06:09	06:32	113	12:13	54S	17:54	247	18:17
2024	Dec	11	(Wed)	06:10	06:33	113	12:13	54S	17:54	246	18:17
2024	Dec	12	(Thu)	06:10	06:33	114	12:14	54S	17:54	246	18:17
2024	Dec	13	(Fri)	06:11	06:34	114	12:14	54S	17:55	246	18:18
2024	Dec	14	(Sat)	06:11	06:34	114	12:15	54S	17:55	246	18:18
2024	Dec	15	(Sun)	06:12	06:35	114	12:15	54S	17:56	246	18:19
2024	Dec	16	(Mon)	06:12	06:36	114	12:16	54S	17:56	246	18:19
2024	Dec	17	(Tue)	06:13	06:36	114	12:16	54S	17:56	246	18:20
2024	Dec	18	(Wed)	06:13	06:37	114	12:17	54S	17:57	246	18:20
2024	Dec	19	(Thu)	06:14	06:37	114	12:17	54S	17:57	246	18:20
2024	Dec	20	(Fri)	06:14	06:38	114	12:18	54S	17:58	246	18:21
2024	Dec	21	(Sat)	06:15	06:38	114	12:18	54S	17:58	246	18:21
2024	Dec	22	(Sun)	06:15	06:39	114	12:19	54S	17:59	246	18:22
2024	Dec	23	(Mon)	06:16	06:39	114	12:19	54S	17:59	246	18:22
2024	Dec	24	(Tue)	06:16	06:40	114	12:20	54S	18:00	246	18:23
2024	Dec	25	(Wed)	06:17	06:40	114	12:20	54S	18:00	246	18:23
2024	Dec	26	(Thu)	06:17	06:40	114	12:21	54S	18:01	246	18:24
2024	Dec	27	(Fri)	06:18	06:41	114	12:21	54S	18:01	246	18:25
2024	Dec	28	(Sat)	06:18	06:41	114	12:22	54S	18:02	246	18:25
2024	Dec	29	(Sun)	06:19	06:42	114	12:22	54S	18:03	246	18:26
2024	Dec	30	(Mon)	06:19	06:42	114	12:23	54S	18:03	246	18:26
2024	Dec	31	(Tue)	06:20	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	°
2024 Jan 01 (Mon)	22:33	81		04:11	90S		10:33	282	
2024 Jan 02 (Tue)	23:18	86		04:52	85S		11:07	277	
2024 Jan 03 (Wed)				05:31	79S		11:41	271	
2024 Jan 04 (Thu)	00:03	92		06:10	73S		12:14	265	
2024 Jan 05 (Fri)	00:48	98		06:50	68S		12:50	259	
2024 Jan 06 (Sat)	01:36	104		07:33	62S		13:28	253	
2024 Jan 07 (Sun)	02:27	109		08:20	57S		14:10	248	
2024 Jan 08 (Mon)	03:23	114		09:12	53S		14:58	244	
2024 Jan 09 (Tue)	04:23	117		10:09	50S		15:53	242	
2024 Jan 10 (Wed)	05:26	119		11:10	48S		16:55	241	
2024 Jan 11 (Thu)	06:29	119		12:14	49S		18:00	242	
2024 Jan 12 (Fri)	07:29	116		13:17	52S		19:07	246	
2024 Jan 13 (Sat)	08:25	112		14:16	57S		20:11	251	
2024 Jan 14 (Sun)	09:15	106		15:12	63S		21:12	257	
2024 Jan 15 (Mon)	10:00	99		16:03	70S		22:10	264	
2024 Jan 16 (Tue)	10:42	92		16:52	77S		23:05	272	
2024 Jan 17 (Wed)	11:24	85		17:40	84S		23:59	279	
2024 Jan 18 (Thu)	12:05	78		18:28	90S				
2024 Jan 19 (Fri)	12:48	72		19:17	85N		00:54	285	
2024 Jan 20 (Sat)	13:33	67		20:09	81N		01:50	291	
2024 Jan 21 (Sun)	14:22	64		21:03	78N		02:47	295	
2024 Jan 22 (Mon)	15:14	61		21:58	76N		03:45	298	
2024 Jan 23 (Tue)	16:09	61		22:53	76N		04:42	299	

2024	Jan	24	(Wed)	17:05	62	23:46	77N	05:36	299
2024	Jan	25	(Thu)	17:59	65			06:26	297
2024	Jan	26	(Fri)	18:51	69	00:37	80N	07:12	293
2024	Jan	27	(Sat)	19:41	73	01:24	84N	07:54	289
2024	Jan	28	(Sun)	20:28	79	02:07	89N	08:31	284
2024	Jan	29	(Mon)	21:13	84	02:49	87S	09:06	279
2024	Jan	30	(Tue)	21:58	90	03:28	81S	09:40	273
2024	Jan	31	(Wed)	22:42	96	04:07	75S	10:13	267
2024	Feb	01	(Thu)	23:29	102	04:46	70S	10:47	261
2024	Feb	02	(Fri)			05:27	64S	11:23	255
2024	Feb	03	(Sat)	00:17	107	06:11	59S	12:02	250
2024	Feb	04	(Sun)	01:09	112	06:59	54S	12:47	246
2024	Feb	05	(Mon)	02:06	116	07:52	51S	13:37	243
2024	Feb	06	(Tue)	03:06	119	08:50	49S	14:34	241
2024	Feb	07	(Wed)	04:08	119	09:52	48S	15:37	241
2024	Feb	08	(Thu)	05:10	118	10:56	50S	16:43	244
2024	Feb	09	(Fri)	06:08	114	11:57	54S	17:49	248
2024	Feb	10	(Sat)	07:01	109	12:56	60S	18:53	254
2024	Feb	11	(Sun)	07:50	102	13:51	67S	19:54	261
2024	Feb	12	(Mon)	08:35	95	14:42	74S	20:53	269
2024	Feb	13	(Tue)	09:18	88	15:32	81S	21:50	276
2024	Feb	14	(Wed)	10:01	80	16:22	88S	22:47	283
2024	Feb	15	(Thu)	10:44	74	17:12	87N	23:44	289
2024	Feb	16	(Fri)	11:30	68	18:05	82N		
2024	Feb	17	(Sat)	12:19	64	18:58	78N	00:42	294
2024	Feb	18	(Sun)	13:11	62	19:53	76N	01:40	297
2024	Feb	19	(Mon)	14:05	61	20:49	76N	02:37	299
2024	Feb	20	(Tue)	15:00	61	21:42	77N	03:32	299
2024	Feb	21	(Wed)	15:54	64	22:33	79N	04:23	298
2024	Feb	22	(Thu)	16:47	67	23:21	83N	05:10	295
2024	Feb	23	(Fri)	17:37	72			05:53	291
2024	Feb	24	(Sat)	18:24	77	00:05	87N	06:31	286
2024	Feb	25	(Sun)	19:10	82	00:47	89S	07:07	280
2024	Feb	26	(Mon)	19:55	88	01:27	83S	07:41	275
2024	Feb	27	(Tue)	20:39	94	02:06	77S	08:14	269
2024	Feb	28	(Wed)	21:25	100	02:45	71S	08:47	263
2024	Feb	29	(Thu)	22:12	106	03:25	66S	09:22	257
2024	Mar	01	(Fri)	23:02	111	04:07	60S	10:00	252
2024	Mar	02	(Sat)	23:56	115	04:53	56S	10:41	247
2024	Mar	03	(Sun)			05:43	52S	11:28	244
2024	Mar	04	(Mon)	00:53	118	06:37	49S	12:21	241
2024	Mar	05	(Tue)	01:52	119	07:36	48S	13:19	241
2024	Mar	06	(Wed)	02:52	119	08:36	49S	14:22	242
2024	Mar	07	(Thu)	03:50	116	09:37	52S	15:26	245
2024	Mar	08	(Fri)	04:45	112	10:36	57S	16:31	251
2024	Mar	09	(Sat)	05:36	106	11:33	63S	17:33	257
2024	Mar	10	(Sun)	06:23	99	12:26	70S	18:33	265
2024	Mar	11	(Mon)	07:07	91	13:18	78S	19:32	272
2024	Mar	12	(Tue)	07:51	84	14:09	85S	20:31	280
2024	Mar	13	(Wed)	08:36	77	15:01	89N	21:30	287
2024	Mar	14	(Thu)	09:22	70	15:55	84N	22:30	292
2024	Mar	15	(Fri)	10:11	66	16:50	79N	23:30	296
2024	Mar	16	(Sat)	11:04	62	17:46	76N		
2024	Mar	17	(Sun)	11:58	61	18:43	75N	00:30	299
2024	Mar	18	(Mon)	12:54	61	19:38	76N	01:27	299
2024	Mar	19	(Tue)	13:49	63	20:30	78N	02:20	298
2024	Mar	20	(Wed)	14:43	66	21:19	81N	03:09	296
2024	Mar	21	(Thu)	15:33	70	22:04	86N	03:52	292
2024	Mar	22	(Fri)	16:22	75	22:46	91S	04:32	288
2024	Mar	23	(Sat)	17:08	80	23:26	85S	05:08	282
2024	Mar	24	(Sun)	17:53	86			05:42	277
2024	Mar	25	(Mon)	18:37	92	00:06	79S	06:16	271
2024	Mar	26	(Tue)	19:22	98	00:44	73S	06:49	265
2024	Mar	27	(Wed)	20:09	104	01:24	67S	07:23	259
2024	Mar	28	(Thu)	20:59	109	02:06	62S	08:00	253
2024	Mar	29	(Fri)	21:51	114	02:50	57S	08:40	249
2024	Mar	30	(Sat)	22:46	117	03:39	53S	09:25	245
2024	Mar	31	(Sun)	23:44	119	04:31	50S	10:15	242
2024	Apr	01	(Mon)			05:27	48S	11:10	241
2024	Apr	02	(Tue)	00:42	119	06:25	48S	12:09	241
2024	Apr	03	(Wed)	01:39	118	07:24	50S	13:11	244
2024	Apr	04	(Thu)	02:33	114	08:22	54S	14:13	248

2024 Apr 05 (Fri)	03:24 109	09:18 60S	15:14 254
2024 Apr 06 (Sat)	04:11 103	10:11 66S	16:14 261
2024 Apr 07 (Sun)	04:56 96	11:02 73S	17:13 268
2024 Apr 08 (Mon)	05:39 88	11:53 81S	18:11 276
2024 Apr 09 (Tue)	06:23 80	12:45 88S	19:11 283
2024 Apr 10 (Wed)	07:09 74	13:39 86N	20:11 290
2024 Apr 11 (Thu)	07:59 68	14:35 81N	21:14 295
2024 Apr 12 (Fri)	08:51 64	15:33 77N	22:16 298
2024 Apr 13 (Sat)	09:47 61	16:31 76N	23:16 299
2024 Apr 14 (Sun)	10:44 61	17:29 76N	
2024 Apr 15 (Mon)	11:41 62	18:23 77N	00:13 299
2024 Apr 16 (Tue)	12:36 65	19:14 80N	01:04 297
2024 Apr 17 (Wed)	13:28 68	20:01 84N	01:50 294
2024 Apr 18 (Thu)	14:18 73	20:44 89N	02:31 289
2024 Apr 19 (Fri)	15:04 79	21:25 87S	03:08 284
2024 Apr 20 (Sat)	15:50 84	22:05 81S	03:43 279
2024 Apr 21 (Sun)	16:34 90	22:43 75S	04:17 273
2024 Apr 22 (Mon)	17:19 96	23:23 69S	04:50 267
2024 Apr 23 (Tue)	18:06 102		05:24 261
2024 Apr 24 (Wed)	18:55 108	00:04 64S	06:00 255
2024 Apr 25 (Thu)	19:46 112	00:48 59S	06:39 250
2024 Apr 26 (Fri)	20:41 116	01:36 54S	07:23 246
2024 Apr 27 (Sat)	21:39 119	02:27 51S	08:11 243
2024 Apr 28 (Sun)	22:37 119	03:22 49S	09:05 241
2024 Apr 29 (Mon)	23:34 118	04:20 48S	10:03 241
2024 Apr 30 (Tue)		05:18 50S	11:04 243
2024 May 01 (Wed)	00:28 116	06:15 53S	12:04 246
2024 May 02 (Thu)	01:18 111	07:10 57S	13:04 251
2024 May 03 (Fri)	02:05 105	08:02 63S	14:02 258
2024 May 04 (Sat)	02:49 99	08:52 70S	14:59 265
2024 May 05 (Sun)	03:31 91	09:41 78S	15:55 272
2024 May 06 (Mon)	04:14 84	10:31 85S	16:53 280
2024 May 07 (Tue)	04:58 77	11:23 90N	17:52 287
2024 May 08 (Wed)	05:45 71	12:18 84N	18:54 292
2024 May 09 (Thu)	06:36 66	13:15 79N	19:57 296
2024 May 10 (Fri)	07:31 62	14:15 76N	20:59 299
2024 May 11 (Sat)	08:29 61	15:14 75N	21:59 299
2024 May 12 (Sun)	09:28 61	16:12 76N	22:54 298
2024 May 13 (Mon)	10:26 63	17:06 79N	23:43 295
2024 May 14 (Tue)	11:20 67	17:55 83N	
2024 May 15 (Wed)	12:11 71	18:40 87N	00:27 291
2024 May 16 (Thu)	12:59 77	19:22 89S	01:06 286
2024 May 17 (Fri)	13:45 82	20:02 83S	01:42 281
2024 May 18 (Sat)	14:30 88	20:41 78S	02:16 275
2024 May 19 (Sun)	15:15 94	21:20 72S	02:49 269
2024 May 20 (Mon)	16:00 100	22:01 66S	03:23 263
2024 May 21 (Tue)	16:48 106	22:44 60S	03:58 257
2024 May 22 (Wed)	17:39 111	23:30 56S	04:37 252
2024 May 23 (Thu)	18:34 115		05:19 247
2024 May 24 (Fri)	19:31 118	00:21 52S	06:06 244
2024 May 25 (Sat)	20:31 119	01:16 49S	06:59 241
2024 May 26 (Sun)	21:29 119	02:14 48S	07:57 241
2024 May 27 (Mon)	22:25 116	03:13 49S	08:58 242
2024 May 28 (Tue)	23:16 112	04:11 52S	09:59 245
2024 May 29 (Wed)		05:06 56S	10:59 250
2024 May 30 (Thu)	00:03 107	05:58 62S	11:56 256
2024 May 31 (Fri)	00:47 101	06:48 68S	12:52 263
2024 Jun 01 (Sat)	01:28 94	07:36 75S	13:47 270
2024 Jun 02 (Sun)	02:09 87	08:24 82S	14:42 277
2024 Jun 03 (Mon)	02:51 80	09:13 89S	15:39 284
2024 Jun 04 (Tue)	03:36 73	10:05 86N	16:38 290
2024 Jun 05 (Wed)	04:24 68	11:00 81N	17:39 295
2024 Jun 06 (Thu)	05:17 64	11:59 77N	18:42 298
2024 Jun 07 (Fri)	06:14 61	12:58 76N	19:44 299
2024 Jun 08 (Sat)	07:13 61	13:58 76N	20:41 299
2024 Jun 09 (Sun)	08:12 62	14:54 78N	21:34 296
2024 Jun 10 (Mon)	09:09 65	15:46 81N	22:21 293
2024 Jun 11 (Tue)	10:02 70	16:33 85N	23:02 288
2024 Jun 12 (Wed)	10:52 75	17:17 90N	23:40 283
2024 Jun 13 (Thu)	11:39 80	17:58 85S	
2024 Jun 14 (Fri)	12:24 86	18:37 80S	00:14 277
2024 Jun 15 (Sat)	13:09 92	19:16 74S	00:48 271

2024 Jun 16 (Sun)	13:54 98	19:56 68S	01:21 265
2024 Jun 17 (Mon)	14:40 103	20:38 62S	01:55 259
2024 Jun 18 (Tue)	15:30 109	21:22 57S	02:32 254
2024 Jun 19 (Wed)	16:23 113	22:12 53S	03:13 249
2024 Jun 20 (Thu)	17:20 117	23:05 50S	03:58 245
2024 Jun 21 (Fri)	18:19 119		04:50 242
2024 Jun 22 (Sat)	19:19 119	00:03 48S	05:46 241
2024 Jun 23 (Sun)	20:17 117	01:03 49S	06:47 241
2024 Jun 24 (Mon)	21:11 114	02:03 51S	07:50 244
2024 Jun 25 (Tue)	22:01 109	03:00 55S	08:52 248
2024 Jun 26 (Wed)	22:46 103	03:55 60S	09:51 254
2024 Jun 27 (Thu)	23:28 96	04:45 66S	10:48 261
2024 Jun 28 (Fri)		05:34 73S	11:43 268
2024 Jun 29 (Sat)	00:09 89	06:22 80S	12:38 275
2024 Jun 30 (Sun)	00:50 82	07:10 87S	13:33 282
2024 Jul 01 (Mon)	01:33 75	08:00 88N	14:30 288
2024 Jul 02 (Tue)	02:19 69	08:52 83N	15:29 293
2024 Jul 03 (Wed)	03:09 65	09:48 79N	16:30 297
2024 Jul 04 (Thu)	04:03 62	10:46 76N	17:31 299
2024 Jul 05 (Fri)	05:00 61	11:45 76N	18:30 299
2024 Jul 06 (Sat)	05:59 62	12:42 77N	19:24 297
2024 Jul 07 (Sun)	06:57 64	13:36 80N	20:13 294
2024 Jul 08 (Mon)	07:52 68	14:26 84N	20:57 290
2024 Jul 09 (Tue)	08:44 73	15:11 88N	21:36 285
2024 Jul 10 (Wed)	09:32 78	15:54 88S	22:12 279
2024 Jul 11 (Thu)	10:18 84	16:33 82S	22:46 273
2024 Jul 12 (Fri)	11:03 90	17:12 76S	23:19 267
2024 Jul 13 (Sat)	11:47 96	17:51 70S	23:53 262
2024 Jul 14 (Sun)	12:33 101	18:32 65S	
2024 Jul 15 (Mon)	13:21 107	19:15 59S	00:28 256
2024 Jul 16 (Tue)	14:11 112	20:01 55S	01:06 251
2024 Jul 17 (Wed)	15:06 116	20:53 51S	01:49 246
2024 Jul 18 (Thu)	16:04 118	21:48 49S	02:37 243
2024 Jul 19 (Fri)	17:04 119	22:48 48S	03:32 241
2024 Jul 20 (Sat)	18:04 118	23:49 50S	04:32 241
2024 Jul 21 (Sun)	19:01 115		05:35 243
2024 Jul 22 (Mon)	19:53 111	00:49 53S	06:38 246
2024 Jul 23 (Tue)	20:41 105	01:46 58S	07:41 252
2024 Jul 24 (Wed)	21:26 98	02:39 64S	08:40 258
2024 Jul 25 (Thu)	22:08 91	03:30 71S	09:37 266
2024 Jul 26 (Fri)	22:49 83	04:19 78S	10:33 273
2024 Jul 27 (Sat)	23:32 77	05:07 85S	11:29 280
2024 Jul 28 (Sun)		05:57 90N	12:25 287
2024 Jul 29 (Mon)	00:17 71	06:48 84N	13:23 292
2024 Jul 30 (Tue)	01:05 66	07:43 79N	14:23 296
2024 Jul 31 (Wed)	01:57 62	08:40 77N	15:24 299
2024 Aug 01 (Thu)	02:53 61	09:38 75N	16:22 299
2024 Aug 02 (Fri)	03:51 61	10:35 76N	17:17 298
2024 Aug 03 (Sat)	04:48 63	11:29 78N	18:08 295
2024 Aug 04 (Sun)	05:44 66	12:20 82N	18:53 292
2024 Aug 05 (Mon)	06:36 71	13:06 87N	19:34 287
2024 Aug 06 (Tue)	07:26 76	13:50 90S	20:10 281
2024 Aug 07 (Wed)	08:13 82	14:30 84S	20:45 275
2024 Aug 08 (Thu)	08:58 88	15:09 78S	21:18 269
2024 Aug 09 (Fri)	09:42 94	15:48 72S	21:51 264
2024 Aug 10 (Sat)	10:27 99	16:28 66S	22:26 258
2024 Aug 11 (Sun)	11:13 105	17:09 61S	23:02 253
2024 Aug 12 (Mon)	12:02 110	17:53 56S	23:42 248
2024 Aug 13 (Tue)	12:54 114	18:42 52S	
2024 Aug 14 (Wed)	13:50 117	19:34 49S	00:27 244
2024 Aug 15 (Thu)	14:48 119	20:31 48S	01:18 242
2024 Aug 16 (Fri)	15:47 119	21:31 49S	02:14 241
2024 Aug 17 (Sat)	16:45 117	22:31 51S	03:15 241
2024 Aug 18 (Sun)	17:40 113	23:30 55S	04:19 244
2024 Aug 19 (Mon)	18:31 108		05:23 249
2024 Aug 20 (Tue)	19:18 101	00:26 61S	06:24 255
2024 Aug 21 (Wed)	20:02 94	01:19 68S	07:24 262
2024 Aug 22 (Thu)	20:45 86	02:10 75S	08:22 270
2024 Aug 23 (Fri)	21:28 79	03:00 83S	09:20 278
2024 Aug 24 (Sat)	22:13 72	03:51 90S	10:18 285
2024 Aug 25 (Sun)	23:01 67	04:43 85N	11:17 291
2024 Aug 26 (Mon)	23:53 63	05:38 80N	12:17 295

2024 Aug 27 (Tue)		06:35 77N	13:18 298
2024 Aug 28 (Wed)	00:48 61	07:33 75N	14:18 299
2024 Aug 29 (Thu)	01:45 61	08:30 76N	15:14 299
2024 Aug 30 (Fri)	02:43 62	09:25 77N	16:05 297
2024 Aug 31 (Sat)	03:38 65	10:16 81N	16:51 293
2024 Sep 01 (Sun)	04:31 69	11:04 85N	17:33 288
2024 Sep 02 (Mon)	05:22 74	11:47 90N	18:10 283
2024 Sep 03 (Tue)	06:09 80	12:29 86S	18:45 277
2024 Sep 04 (Wed)	06:54 85	13:08 80S	19:19 271
2024 Sep 05 (Thu)	07:39 92	13:47 74S	19:52 266
2024 Sep 06 (Fri)	08:23 97	14:26 68S	20:25 260
2024 Sep 07 (Sat)	09:09 103	15:06 63S	21:01 254
2024 Sep 08 (Sun)	09:57 108	15:49 58S	21:39 249
2024 Sep 09 (Mon)	10:47 113	16:35 54S	22:21 245
2024 Sep 10 (Tue)	11:40 117	17:25 50S	23:09 242
2024 Sep 11 (Wed)	12:36 119	18:19 48S	
2024 Sep 12 (Thu)	13:33 120	19:16 48S	00:01 241
2024 Sep 13 (Fri)	14:30 119	20:15 49S	00:59 241
2024 Sep 14 (Sat)	15:25 116	21:13 53S	02:00 243
2024 Sep 15 (Sun)	16:17 111	22:09 58S	03:02 246
2024 Sep 16 (Mon)	17:05 105	23:03 64S	04:04 252
2024 Sep 17 (Tue)	17:51 98	23:56 71S	05:05 259
2024 Sep 18 (Wed)	18:35 90		06:04 266
2024 Sep 19 (Thu)	19:19 82	00:47 79S	07:03 274
2024 Sep 20 (Fri)	20:05 75	01:39 87S	08:03 282
2024 Sep 21 (Sat)	20:53 69	02:32 88N	09:04 288
2024 Sep 22 (Sun)	21:46 64	03:28 82N	10:06 294
2024 Sep 23 (Mon)	22:41 61	04:26 78N	11:09 297
2024 Sep 24 (Tue)	23:39 60	05:25 76N	12:11 299
2024 Sep 25 (Wed)		06:24 75N	13:09 299
2024 Sep 26 (Thu)	00:37 61	07:21 77N	14:02 298
2024 Sep 27 (Fri)	01:34 64	08:13 79N	14:50 294
2024 Sep 28 (Sat)	02:28 68	09:02 83N	15:33 290
2024 Sep 29 (Sun)	03:19 72	09:46 88N	16:11 285
2024 Sep 30 (Mon)	04:06 78	10:28 88S	16:47 279
2024 Oct 01 (Tue)	04:52 84	11:08 82S	17:21 273
2024 Oct 02 (Wed)	05:37 90	11:47 76S	17:54 268
2024 Oct 03 (Thu)	06:21 96	12:25 70S	18:27 262
2024 Oct 04 (Fri)	07:06 101	13:05 65S	19:02 256
2024 Oct 05 (Sat)	07:53 107	13:47 59S	19:39 251
2024 Oct 06 (Sun)	08:43 112	14:32 55S	20:20 246
2024 Oct 07 (Mon)	09:35 115	15:20 51S	21:05 243
2024 Oct 08 (Tue)	10:29 118	16:12 49S	21:55 241
2024 Oct 09 (Wed)	11:25 120	17:07 48S	22:49 240
2024 Oct 10 (Thu)	12:21 119	18:04 49S	23:47 242
2024 Oct 11 (Fri)	13:15 117	19:00 51S	
2024 Oct 12 (Sat)	14:06 113	19:55 55S	00:47 245
2024 Oct 13 (Sun)	14:54 108	20:49 61S	01:47 249
2024 Oct 14 (Mon)	15:39 101	21:40 68S	02:46 255
2024 Oct 15 (Tue)	16:23 94	22:31 75S	03:45 262
2024 Oct 16 (Wed)	17:07 86	23:22 83S	04:43 270
2024 Oct 17 (Thu)	17:52 79		05:42 277
2024 Oct 18 (Fri)	18:40 72	00:15 90S	06:43 285
2024 Oct 19 (Sat)	19:32 66	01:11 85N	07:46 291
2024 Oct 20 (Sun)	20:28 63	02:10 80N	08:51 296
2024 Oct 21 (Mon)	21:27 61	03:11 77N	09:56 299
2024 Oct 22 (Tue)	22:27 61	04:13 75N	10:58 299
2024 Oct 23 (Wed)	23:26 63	05:12 76N	11:55 298
2024 Oct 24 (Thu)		06:08 78N	12:46 296
2024 Oct 25 (Fri)	00:22 66	06:58 82N	13:31 292
2024 Oct 26 (Sat)	01:15 71	07:45 87N	14:11 287
2024 Oct 27 (Sun)	02:04 76	08:27 90S	14:48 281
2024 Oct 28 (Mon)	02:50 82	09:07 84S	15:22 275
2024 Oct 29 (Tue)	03:35 88	09:46 78S	15:55 269
2024 Oct 30 (Wed)	04:19 94	10:25 72S	16:28 264
2024 Oct 31 (Thu)	05:04 99	11:04 66S	17:02 258
2024 Nov 01 (Fri)	05:50 105	11:46 61S	17:39 253
2024 Nov 02 (Sat)	06:39 110	12:30 56S	18:19 248
2024 Nov 03 (Sun)	07:30 114	13:17 52S	19:03 244
2024 Nov 04 (Mon)	08:24 117	14:09 50S	19:52 242
2024 Nov 05 (Tue)	09:20 119	15:03 48S	20:45 241
2024 Nov 06 (Wed)	10:16 119	15:58 48S	21:41 241

2024 Nov 07 (Thu)	11:10 118	16:54 50S	22:40 243
2024 Nov 08 (Fri)	12:01 115	17:48 54S	23:38 247
2024 Nov 09 (Sat)	12:48 110	18:40 59S	
2024 Nov 10 (Sun)	13:33 104	19:31 65S	00:35 253
2024 Nov 11 (Mon)	14:15 97	20:20 72S	01:32 259
2024 Nov 12 (Tue)	14:57 90	21:09 79S	02:28 266
2024 Nov 13 (Wed)	15:40 83	21:59 86S	03:24 274
2024 Nov 14 (Thu)	16:25 76	22:53 88N	04:22 281
2024 Nov 15 (Fri)	17:15 69	23:50 82N	05:24 288
2024 Nov 16 (Sat)	18:09 64		06:28 294
2024 Nov 17 (Sun)	19:08 61	00:50 78N	07:34 297
2024 Nov 18 (Mon)	20:10 61	01:53 76N	08:39 299
2024 Nov 19 (Tue)	21:12 62	02:56 75N	09:41 299
2024 Nov 20 (Wed)	22:11 65	03:55 77N	10:37 297
2024 Nov 21 (Thu)	23:06 69	04:50 80N	11:25 293
2024 Nov 22 (Fri)	23:58 74	05:39 85N	12:08 288
2024 Nov 23 (Sat)		06:24 90N	12:47 283
2024 Nov 24 (Sun)	00:45 80	07:05 86S	13:22 277
2024 Nov 25 (Mon)	01:31 86	07:45 80S	13:55 271
2024 Nov 26 (Tue)	02:15 92	08:23 74S	14:28 266
2024 Nov 27 (Wed)	03:00 97	09:02 68S	15:02 260
2024 Nov 28 (Thu)	03:46 103	09:43 63S	15:38 254
2024 Nov 29 (Fri)	04:34 108	10:26 58S	16:17 249
2024 Nov 30 (Sat)	05:24 113	11:13 54S	16:59 245
2024 Dec 01 (Sun)	06:18 116	12:03 50S	17:47 242
2024 Dec 02 (Mon)	07:14 119	12:57 49S	18:40 241
2024 Dec 03 (Tue)	08:11 119	13:53 48S	19:36 241
2024 Dec 04 (Wed)	09:06 118	14:50 50S	20:35 243
2024 Dec 05 (Thu)	09:58 116	15:45 53S	21:33 246
2024 Dec 06 (Fri)	10:46 111	16:37 57S	22:31 251
2024 Dec 07 (Sat)	11:31 106	17:27 63S	23:26 257
2024 Dec 08 (Sun)	12:13 99	18:15 69S	
2024 Dec 09 (Mon)	12:54 93	19:02 76S	00:20 264
2024 Dec 10 (Tue)	13:34 85	19:50 83S	01:15 271
2024 Dec 11 (Wed)	14:17 78	20:40 90S	02:10 278
2024 Dec 12 (Thu)	15:03 72	21:34 85N	03:07 285
2024 Dec 13 (Fri)	15:53 67	22:31 80N	04:08 291
2024 Dec 14 (Sat)	16:49 63	23:33 77N	05:12 296
2024 Dec 15 (Sun)	17:50 61		06:18 299
2024 Dec 16 (Mon)	18:53 61	00:36 75N	07:22 299
2024 Dec 17 (Tue)	19:55 63	01:38 76N	08:21 298
2024 Dec 18 (Wed)	20:53 67	02:36 79N	09:14 295
2024 Dec 19 (Thu)	21:47 72	03:28 83N	10:01 290
2024 Dec 20 (Fri)	22:37 77	04:16 88N	10:42 285
2024 Dec 21 (Sat)	23:24 83	05:00 88S	11:19 280
2024 Dec 22 (Sun)		05:40 82S	11:53 274
2024 Dec 23 (Mon)	00:10 89	06:20 76S	12:27 268
2024 Dec 24 (Tue)	00:54 95	06:59 70S	13:00 262
2024 Dec 25 (Wed)	01:39 101	07:39 65S	13:35 256
2024 Dec 26 (Thu)	02:26 107	08:21 60S	14:12 251
2024 Dec 27 (Fri)	03:16 111	09:06 55S	14:54 247
2024 Dec 28 (Sat)	04:08 115	09:55 51S	15:40 243
2024 Dec 29 (Sun)	05:04 118	10:48 49S	16:31 241
2024 Dec 30 (Mon)	06:01 119	11:44 48S	17:27 241
2024 Dec 31 (Tue)	06:58 119	12:41 49S	18:26 242