

Sun

Surat Thani

Location: E 99°17'59.9", N 9°11'16.8", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m °	h m °		h m
2025	Jan	01 (Wed)	05:49	06:38	113	12:26 59S	18:14	247	19:03
2025	Jan	02 (Thu)	05:50	06:39	113	12:27 59S	18:15	247	19:04
2025	Jan	03 (Fri)	05:50	06:39	113	12:27 59S	18:15	247	19:04
2025	Jan	04 (Sat)	05:51	06:40	113	12:28 59S	18:16	247	19:05
2025	Jan	05 (Sun)	05:51	06:40	113	12:28 59S	18:17	247	19:05
2025	Jan	06 (Mon)	05:51	06:40	113	12:29 59S	18:17	247	19:06
2025	Jan	07 (Tue)	05:52	06:41	113	12:29 59S	18:18	248	19:06
2025	Jan	08 (Wed)	05:52	06:41	112	12:29 59S	18:18	248	19:07
2025	Jan	09 (Thu)	05:53	06:41	112	12:30 59S	18:19	248	19:07
2025	Jan	10 (Fri)	05:53	06:42	112	12:30 60S	18:19	248	19:08
2025	Jan	11 (Sat)	05:53	06:42	112	12:31 60S	18:20	248	19:08
2025	Jan	12 (Sun)	05:54	06:42	112	12:31 60S	18:20	248	19:09
2025	Jan	13 (Mon)	05:54	06:42	112	12:31 60S	18:21	248	19:09
2025	Jan	14 (Tue)	05:54	06:43	111	12:32 60S	18:21	249	19:09
2025	Jan	15 (Wed)	05:55	06:43	111	12:32 60S	18:22	249	19:10
2025	Jan	16 (Thu)	05:55	06:43	111	12:33 61S	18:22	249	19:10
2025	Jan	17 (Fri)	05:55	06:43	111	12:33 61S	18:23	249	19:11
2025	Jan	18 (Sat)	05:55	06:43	111	12:33 61S	18:23	249	19:11
2025	Jan	19 (Sun)	05:56	06:44	110	12:34 61S	18:24	250	19:12
2025	Jan	20 (Mon)	05:56	06:44	110	12:34 61S	18:24	250	19:12
2025	Jan	21 (Tue)	05:56	06:44	110	12:34 62S	18:24	250	19:12
2025	Jan	22 (Wed)	05:56	06:44	110	12:34 62S	18:25	250	19:13
2025	Jan	23 (Thu)	05:56	06:44	110	12:35 62S	18:25	251	19:13
2025	Jan	24 (Fri)	05:56	06:44	109	12:35 62S	18:26	251	19:13
2025	Jan	25 (Sat)	05:57	06:44	109	12:35 63S	18:26	251	19:14
2025	Jan	26 (Sun)	05:57	06:44	109	12:35 63S	18:26	251	19:14
2025	Jan	27 (Mon)	05:57	06:44	109	12:36 63S	18:27	252	19:14
2025	Jan	28 (Tue)	05:57	06:44	108	12:36 63S	18:27	252	19:15
2025	Jan	29 (Wed)	05:57	06:44	108	12:36 64S	18:28	252	19:15
2025	Jan	30 (Thu)	05:57	06:44	108	12:36 64S	18:28	252	19:15
2025	Jan	31 (Fri)	05:57	06:44	107	12:36 64S	18:28	253	19:15
2025	Feb	01 (Sat)	05:57	06:44	107	12:36 64S	18:29	253	19:16
2025	Feb	02 (Sun)	05:57	06:44	107	12:36 65S	18:29	253	19:16
2025	Feb	03 (Mon)	05:57	06:44	107	12:37 65S	18:29	254	19:16
2025	Feb	04 (Tue)	05:57	06:44	106	12:37 65S	18:30	254	19:16
2025	Feb	05 (Wed)	05:57	06:44	106	12:37 66S	18:30	254	19:17
2025	Feb	06 (Thu)	05:57	06:44	106	12:37 66S	18:30	254	19:17
2025	Feb	07 (Fri)	05:57	06:44	105	12:37 66S	18:30	255	19:17
2025	Feb	08 (Sat)	05:57	06:43	105	12:37 67S	18:31	255	19:17
2025	Feb	09 (Sun)	05:57	06:43	105	12:37 67S	18:31	255	19:17
2025	Feb	10 (Mon)	05:56	06:43	104	12:37 67S	18:31	256	19:18
2025	Feb	11 (Tue)	05:56	06:43	104	12:37 68S	18:31	256	19:18
2025	Feb	12 (Wed)	05:56	06:43	104	12:37 68S	18:32	256	19:18
2025	Feb	13 (Thu)	05:56	06:42	103	12:37 68S	18:32	257	19:18
2025	Feb	14 (Fri)	05:56	06:42	103	12:37 69S	18:32	257	19:18
2025	Feb	15 (Sat)	05:56	06:42	103	12:37 69S	18:32	257	19:18
2025	Feb	16 (Sun)	05:55	06:41	102	12:37 69S	18:32	258	19:18
2025	Feb	17 (Mon)	05:55	06:41	102	12:37 70S	18:32	258	19:19
2025	Feb	18 (Tue)	05:55	06:41	102	12:37 70S	18:33	259	19:19
2025	Feb	19 (Wed)	05:55	06:41	101	12:37 70S	18:33	259	19:19
2025	Feb	20 (Thu)	05:54	06:40	101	12:36 71S	18:33	259	19:19
2025	Feb	21 (Fri)	05:54	06:40	101	12:36 71S	18:33	260	19:19
2025	Feb	22 (Sat)	05:54	06:40	100	12:36 71S	18:33	260	19:19
2025	Feb	23 (Sun)	05:53	06:39	100	12:36 72S	18:33	260	19:19
2025	Feb	24 (Mon)	05:53	06:39	99	12:36 72S	18:33	261	19:19
2025	Feb	25 (Tue)	05:53	06:38	99	12:36 73S	18:33	261	19:19
2025	Feb	26 (Wed)	05:52	06:38	99	12:36 73S	18:33	261	19:19
2025	Feb	27 (Thu)	05:52	06:38	98	12:35 73S	18:34	262	19:19
2025	Feb	28 (Fri)	05:52	06:37	98	12:35 74S	18:34	262	19:19
2025	Mar	01 (Sat)	05:51	06:37	98	12:35 74S	18:34	263	19:19

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

2025	May	13	(Tue)	05:15	06:03	71	12:19	81N	18:35	289	19:23
2025	May	14	(Wed)	05:15	06:03	71	12:19	81N	18:35	289	19:24
2025	May	15	(Thu)	05:15	06:03	71	12:19	81N	18:35	289	19:24
2025	May	16	(Fri)	05:14	06:03	70	12:19	81N	18:36	290	19:24
2025	May	17	(Sat)	05:14	06:03	70	12:19	81N	18:36	290	19:24
2025	May	18	(Sun)	05:14	06:02	70	12:19	80N	18:36	290	19:25
2025	May	19	(Mon)	05:14	06:02	70	12:19	80N	18:36	290	19:25
2025	May	20	(Tue)	05:14	06:02	70	12:19	80N	18:36	291	19:25
2025	May	21	(Wed)	05:13	06:02	69	12:19	80N	18:37	291	19:25
2025	May	22	(Thu)	05:13	06:02	69	12:19	79N	18:37	291	19:26
2025	May	23	(Fri)	05:13	06:02	69	12:20	79N	18:37	291	19:26
2025	May	24	(Sat)	05:13	06:02	69	12:20	79N	18:37	291	19:26
2025	May	25	(Sun)	05:13	06:02	69	12:20	79N	18:38	291	19:27
2025	May	26	(Mon)	05:13	06:02	68	12:20	79N	18:38	292	19:27
2025	May	27	(Tue)	05:13	06:02	68	12:20	79N	18:38	292	19:27
2025	May	28	(Wed)	05:13	06:02	68	12:20	78N	18:38	292	19:28
2025	May	29	(Thu)	05:13	06:02	68	12:20	78N	18:39	292	19:28
2025	May	30	(Fri)	05:13	06:02	68	12:20	78N	18:39	292	19:28
2025	May	31	(Sat)	05:13	06:02	68	12:20	78N	18:39	292	19:29
2025	Jun	01	(Sun)	05:13	06:02	67	12:21	78N	18:39	293	19:29
2025	Jun	02	(Mon)	05:13	06:02	67	12:21	78N	18:40	293	19:29
2025	Jun	03	(Tue)	05:13	06:02	67	12:21	78N	18:40	293	19:29
2025	Jun	04	(Wed)	05:13	06:02	67	12:21	77N	18:40	293	19:30
2025	Jun	05	(Thu)	05:13	06:02	67	12:21	77N	18:40	293	19:30
2025	Jun	06	(Fri)	05:13	06:02	67	12:21	77N	18:41	293	19:30
2025	Jun	07	(Sat)	05:13	06:02	67	12:22	77N	18:41	293	19:31
2025	Jun	08	(Sun)	05:13	06:03	67	12:22	77N	18:41	293	19:31
2025	Jun	09	(Mon)	05:13	06:03	67	12:22	77N	18:41	293	19:31
2025	Jun	10	(Tue)	05:13	06:03	67	12:22	77N	18:42	294	19:32
2025	Jun	11	(Wed)	05:13	06:03	66	12:22	77N	18:42	294	19:32
2025	Jun	12	(Thu)	05:13	06:03	66	12:23	77N	18:42	294	19:32
2025	Jun	13	(Fri)	05:13	06:03	66	12:23	77N	18:43	294	19:32
2025	Jun	14	(Sat)	05:13	06:03	66	12:23	77N	18:43	294	19:33
2025	Jun	15	(Sun)	05:14	06:04	66	12:23	77N	18:43	294	19:33
2025	Jun	16	(Mon)	05:14	06:04	66	12:24	77N	18:43	294	19:33
2025	Jun	17	(Tue)	05:14	06:04	66	12:24	77N	18:44	294	19:33
2025	Jun	18	(Wed)	05:14	06:04	66	12:24	76N	18:44	294	19:34
2025	Jun	19	(Thu)	05:14	06:04	66	12:24	76N	18:44	294	19:34
2025	Jun	20	(Fri)	05:15	06:05	66	12:24	76N	18:44	294	19:34
2025	Jun	21	(Sat)	05:15	06:05	66	12:25	76N	18:44	294	19:34
2025	Jun	22	(Sun)	05:15	06:05	66	12:25	76N	18:45	294	19:35
2025	Jun	23	(Mon)	05:15	06:05	66	12:25	76N	18:45	294	19:35
2025	Jun	24	(Tue)	05:15	06:05	66	12:25	76N	18:45	294	19:35
2025	Jun	25	(Wed)	05:16	06:06	66	12:25	77N	18:45	294	19:35
2025	Jun	26	(Thu)	05:16	06:06	66	12:26	77N	18:45	294	19:35
2025	Jun	27	(Fri)	05:16	06:06	66	12:26	77N	18:46	294	19:36
2025	Jun	28	(Sat)	05:16	06:06	66	12:26	77N	18:46	294	19:36
2025	Jun	29	(Sun)	05:17	06:07	66	12:26	77N	18:46	294	19:36
2025	Jun	30	(Mon)	05:17	06:07	66	12:27	77N	18:46	294	19:36
2025	Jul	01	(Tue)	05:17	06:07	66	12:27	77N	18:46	294	19:36
2025	Jul	02	(Wed)	05:18	06:07	67	12:27	77N	18:46	293	19:36
2025	Jul	03	(Thu)	05:18	06:08	67	12:27	77N	18:46	293	19:36
2025	Jul	04	(Fri)	05:18	06:08	67	12:27	77N	18:47	293	19:36
2025	Jul	05	(Sat)	05:18	06:08	67	12:27	77N	18:47	293	19:36
2025	Jul	06	(Sun)	05:19	06:08	67	12:28	77N	18:47	293	19:36
2025	Jul	07	(Mon)	05:19	06:09	67	12:28	77N	18:47	293	19:36
2025	Jul	08	(Tue)	05:19	06:09	67	12:28	77N	18:47	293	19:36
2025	Jul	09	(Wed)	05:20	06:09	67	12:28	78N	18:47	293	19:36
2025	Jul	10	(Thu)	05:20	06:09	67	12:28	78N	18:47	293	19:36
2025	Jul	11	(Fri)	05:20	06:10	67	12:28	78N	18:47	292	19:36
2025	Jul	12	(Sat)	05:20	06:10	68	12:28	78N	18:47	292	19:36
2025	Jul	13	(Sun)	05:21	06:10	68	12:29	78N	18:47	292	19:36
2025	Jul	14	(Mon)	05:21	06:10	68	12:29	78N	18:47	292	19:36
2025	Jul	15	(Tue)	05:21	06:11	68	12:29	78N	18:47	292	19:36
2025	Jul	16	(Wed)	05:22	06:11	68	12:29	79N	18:47	292	19:36
2025	Jul	17	(Thu)	05:22	06:11	68	12:29	79N	18:47	292	19:36
2025	Jul	18	(Fri)	05:22	06:11	69	12:29	79N	18:47	291	19:36
2025	Jul	19	(Sat)	05:22	06:11	69	12:29	79N	18:47	291	19:36
2025	Jul	20	(Sun)	05:23	06:12	69	12:29	79N	18:47	291	19:36
2025	Jul	21	(Mon)	05:23	06:12	69	12:29	79N	18:47	291	19:35
2025	Jul	22	(Tue)	05:23	06:12	69	12:29	80N	18:47	291	19:35
2025	Jul	23	(Wed)	05:23	06:12	70	12:29	80N	18:46	290	19:35

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

2025	Oct	04	(Sat)	05:26	06:11	94	12:12	77S	18:12	266	18:57
2025	Oct	05	(Sun)	05:26	06:11	95	12:11	77S	18:11	265	18:57
2025	Oct	06	(Mon)	05:26	06:11	95	12:11	76S	18:11	265	18:56
2025	Oct	07	(Tue)	05:26	06:11	95	12:11	76S	18:10	264	18:56
2025	Oct	08	(Wed)	05:25	06:11	96	12:10	76S	18:10	264	18:55
2025	Oct	09	(Thu)	05:25	06:11	96	12:10	75S	18:09	264	18:55
2025	Oct	10	(Fri)	05:25	06:11	97	12:10	75S	18:09	263	18:54
2025	Oct	11	(Sat)	05:25	06:11	97	12:10	74S	18:08	263	18:54
2025	Oct	12	(Sun)	05:25	06:11	97	12:09	74S	18:08	262	18:53
2025	Oct	13	(Mon)	05:25	06:11	98	12:09	74S	18:07	262	18:53
2025	Oct	14	(Tue)	05:25	06:11	98	12:09	73S	18:07	262	18:52
2025	Oct	15	(Wed)	05:25	06:11	98	12:09	73S	18:06	261	18:52
2025	Oct	16	(Thu)	05:25	06:11	99	12:08	73S	18:06	261	18:52
2025	Oct	17	(Fri)	05:25	06:11	99	12:08	72S	18:05	261	18:51
2025	Oct	18	(Sat)	05:25	06:11	100	12:08	72S	18:05	260	18:51
2025	Oct	19	(Sun)	05:25	06:11	100	12:08	71S	18:05	260	18:50
2025	Oct	20	(Mon)	05:25	06:11	100	12:08	71S	18:04	259	18:50
2025	Oct	21	(Tue)	05:25	06:11	101	12:07	71S	18:04	259	18:50
2025	Oct	22	(Wed)	05:25	06:11	101	12:07	70S	18:03	259	18:49
2025	Oct	23	(Thu)	05:25	06:11	101	12:07	70S	18:03	258	18:49
2025	Oct	24	(Fri)	05:25	06:11	102	12:07	70S	18:03	258	18:49
2025	Oct	25	(Sat)	05:25	06:11	102	12:07	69S	18:02	258	18:48
2025	Oct	26	(Sun)	05:25	06:12	102	12:07	69S	18:02	257	18:48
2025	Oct	27	(Mon)	05:25	06:12	103	12:07	69S	18:02	257	18:48
2025	Oct	28	(Tue)	05:25	06:12	103	12:07	68S	18:01	257	18:48
2025	Oct	29	(Wed)	05:26	06:12	103	12:07	68S	18:01	256	18:47
2025	Oct	30	(Thu)	05:26	06:12	104	12:06	68S	18:01	256	18:47
2025	Oct	31	(Fri)	05:26	06:12	104	12:06	67S	18:00	256	18:47
2025	Nov	01	(Sat)	05:26	06:12	104	12:06	67S	18:00	255	18:47
2025	Nov	02	(Sun)	05:26	06:13	105	12:06	67S	18:00	255	18:47
2025	Nov	03	(Mon)	05:26	06:13	105	12:06	66S	18:00	255	18:47
2025	Nov	04	(Tue)	05:26	06:13	105	12:06	66S	18:00	254	18:46
2025	Nov	05	(Wed)	05:26	06:13	106	12:06	66S	17:59	254	18:46
2025	Nov	06	(Thu)	05:27	06:14	106	12:06	65S	17:59	254	18:46
2025	Nov	07	(Fri)	05:27	06:14	106	12:06	65S	17:59	253	18:46
2025	Nov	08	(Sat)	05:27	06:14	107	12:07	65S	17:59	253	18:46
2025	Nov	09	(Sun)	05:27	06:14	107	12:07	65S	17:59	253	18:46
2025	Nov	10	(Mon)	05:27	06:15	107	12:07	64S	17:59	253	18:46
2025	Nov	11	(Tue)	05:28	06:15	108	12:07	64S	17:59	252	18:46
2025	Nov	12	(Wed)	05:28	06:15	108	12:07	64S	17:59	252	18:46
2025	Nov	13	(Thu)	05:28	06:16	108	12:07	63S	17:59	252	18:46
2025	Nov	14	(Fri)	05:28	06:16	108	12:07	63S	17:59	252	18:46
2025	Nov	15	(Sat)	05:29	06:16	109	12:07	63S	17:59	251	18:46
2025	Nov	16	(Sun)	05:29	06:17	109	12:08	63S	17:59	251	18:46
2025	Nov	17	(Mon)	05:29	06:17	109	12:08	62S	17:59	251	18:46
2025	Nov	18	(Tue)	05:30	06:17	109	12:08	62S	17:59	251	18:46
2025	Nov	19	(Wed)	05:30	06:18	110	12:08	62S	17:59	250	18:46
2025	Nov	20	(Thu)	05:30	06:18	110	12:08	62S	17:59	250	18:47
2025	Nov	21	(Fri)	05:31	06:18	110	12:09	62S	17:59	250	18:47
2025	Nov	22	(Sat)	05:31	06:19	110	12:09	61S	17:59	250	18:47
2025	Nov	23	(Sun)	05:31	06:19	110	12:09	61S	17:59	249	18:47
2025	Nov	24	(Mon)	05:32	06:20	111	12:09	61S	17:59	249	18:47
2025	Nov	25	(Tue)	05:32	06:20	111	12:10	61S	17:59	249	18:48
2025	Nov	26	(Wed)	05:32	06:21	111	12:10	61S	18:00	249	18:48
2025	Nov	27	(Thu)	05:33	06:21	111	12:10	60S	18:00	249	18:48
2025	Nov	28	(Fri)	05:33	06:21	111	12:11	60S	18:00	248	18:48
2025	Nov	29	(Sat)	05:34	06:22	112	12:11	60S	18:00	248	18:49
2025	Nov	30	(Sun)	05:34	06:22	112	12:11	60S	18:00	248	18:49
2025	Dec	01	(Mon)	05:34	06:23	112	12:12	60S	18:01	248	18:49
2025	Dec	02	(Tue)	05:35	06:23	112	12:12	60S	18:01	248	18:50
2025	Dec	03	(Wed)	05:35	06:24	112	12:13	59S	18:01	248	18:50
2025	Dec	04	(Thu)	05:36	06:24	112	12:13	59S	18:02	248	18:50
2025	Dec	05	(Fri)	05:36	06:25	113	12:13	59S	18:02	247	18:51
2025	Dec	06	(Sat)	05:37	06:25	113	12:14	59S	18:02	247	18:51
2025	Dec	07	(Sun)	05:37	06:26	113	12:14	59S	18:03	247	18:51
2025	Dec	08	(Mon)	05:38	06:26	113	12:15	59S	18:03	247	18:52
2025	Dec	09	(Tue)	05:38	06:27	113	12:15	59S	18:03	247	18:52
2025	Dec	10	(Wed)	05:39	06:27	113	12:16	59S	18:04	247	18:53
2025	Dec	11	(Thu)	05:39	06:28	113	12:16	59S	18:04	247	18:53
2025	Dec	12	(Fri)	05:40	06:28	113	12:16	58S	18:04	247	18:53
2025	Dec	13	(Sat)	05:40	06:29	113	12:17	58S	18:05	247	18:54
2025	Dec	14	(Sun)	05:41	06:30	113	12:17	58S	18:05	247	18:54

2025	Dec 15	(Mon)	05:41	06:30	113	12:18	58S	18:06	247	18:55
2025	Dec 16	(Tue)	05:42	06:31	113	12:18	58S	18:06	246	18:55
2025	Dec 17	(Wed)	05:42	06:31	114	12:19	58S	18:07	246	18:56
2025	Dec 18	(Thu)	05:43	06:32	114	12:19	58S	18:07	246	18:56
2025	Dec 19	(Fri)	05:43	06:32	114	12:20	58S	18:08	246	18:57
2025	Dec 20	(Sat)	05:44	06:33	114	12:20	58S	18:08	246	18:57
2025	Dec 21	(Sun)	05:44	06:33	114	12:21	58S	18:09	246	18:58
2025	Dec 22	(Mon)	05:45	06:34	114	12:21	58S	18:09	246	18:58
2025	Dec 23	(Tue)	05:45	06:34	114	12:22	58S	18:10	246	18:59
2025	Dec 24	(Wed)	05:46	06:35	114	12:22	58S	18:10	246	18:59
2025	Dec 25	(Thu)	05:46	06:35	114	12:23	58S	18:11	246	19:00
2025	Dec 26	(Fri)	05:46	06:36	114	12:23	58S	18:11	246	19:00
2025	Dec 27	(Sat)	05:47	06:36	114	12:24	58S	18:12	247	19:01
2025	Dec 28	(Sun)	05:47	06:36	113	12:24	58S	18:12	247	19:01
2025	Dec 29	(Mon)	05:48	06:37	113	12:25	58S	18:13	247	19:02
2025	Dec 30	(Tue)	05:48	06:37	113	12:25	58S	18:13	247	19:02
2025	Dec 31	(Wed)	05:49	06:38	113	12:26	58S	18:14	247	19:03

Sun

Surat Thani

Location: E 99°17'59.9", N 9°11'16.8", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Civil Twilight
	h m	h m °		h m °	h m °		h m
2025 Jan 01 (Wed)	06:16	06:38 113		12:26 59S	18:14 247		18:37
2025 Jan 02 (Thu)	06:16	06:39 113		12:27 59S	18:15 247		18:38
2025 Jan 03 (Fri)	06:16	06:39 113		12:27 59S	18:15 247		18:38
2025 Jan 04 (Sat)	06:17	06:40 113		12:28 59S	18:16 247		18:39
2025 Jan 05 (Sun)	06:17	06:40 113		12:28 59S	18:17 247		18:39
2025 Jan 06 (Mon)	06:18	06:40 113		12:29 59S	18:17 247		18:40
2025 Jan 07 (Tue)	06:18	06:41 113		12:29 59S	18:18 248		18:40
2025 Jan 08 (Wed)	06:18	06:41 112		12:29 59S	18:18 248		18:41
2025 Jan 09 (Thu)	06:19	06:41 112		12:30 59S	18:19 248		18:41
2025 Jan 10 (Fri)	06:19	06:42 112		12:30 60S	18:19 248		18:42
2025 Jan 11 (Sat)	06:19	06:42 112		12:31 60S	18:20 248		18:42
2025 Jan 12 (Sun)	06:20	06:42 112		12:31 60S	18:20 248		18:43
2025 Jan 13 (Mon)	06:20	06:42 112		12:31 60S	18:21 248		18:43
2025 Jan 14 (Tue)	06:20	06:43 111		12:32 60S	18:21 249		18:44
2025 Jan 15 (Wed)	06:20	06:43 111		12:32 60S	18:22 249		18:44
2025 Jan 16 (Thu)	06:21	06:43 111		12:33 61S	18:22 249		18:44
2025 Jan 17 (Fri)	06:21	06:43 111		12:33 61S	18:23 249		18:45
2025 Jan 18 (Sat)	06:21	06:43 111		12:33 61S	18:23 249		18:45
2025 Jan 19 (Sun)	06:21	06:44 110		12:34 61S	18:24 250		18:46
2025 Jan 20 (Mon)	06:21	06:44 110		12:34 61S	18:24 250		18:46
2025 Jan 21 (Tue)	06:22	06:44 110		12:34 62S	18:24 250		18:47
2025 Jan 22 (Wed)	06:22	06:44 110		12:34 62S	18:25 250		18:47
2025 Jan 23 (Thu)	06:22	06:44 110		12:35 62S	18:25 251		18:47
2025 Jan 24 (Fri)	06:22	06:44 109		12:35 62S	18:26 251		18:48
2025 Jan 25 (Sat)	06:22	06:44 109		12:35 63S	18:26 251		18:48
2025 Jan 26 (Sun)	06:22	06:44 109		12:35 63S	18:26 251		18:49
2025 Jan 27 (Mon)	06:22	06:44 109		12:36 63S	18:27 252		18:49
2025 Jan 28 (Tue)	06:22	06:44 108		12:36 63S	18:27 252		18:49
2025 Jan 29 (Wed)	06:22	06:44 108		12:36 64S	18:28 252		18:50
2025 Jan 30 (Thu)	06:22	06:44 108		12:36 64S	18:28 252		18:50
2025 Jan 31 (Fri)	06:22	06:44 107		12:36 64S	18:28 253		18:50
2025 Feb 01 (Sat)	06:22	06:44 107		12:36 64S	18:29 253		18:50
2025 Feb 02 (Sun)	06:22	06:44 107		12:36 65S	18:29 253		18:51
2025 Feb 03 (Mon)	06:22	06:44 107		12:37 65S	18:29 254		18:51
2025 Feb 04 (Tue)	06:22	06:44 106		12:37 65S	18:30 254		18:51
2025 Feb 05 (Wed)	06:22	06:44 106		12:37 66S	18:30 254		18:52
2025 Feb 06 (Thu)	06:22	06:44 106		12:37 66S	18:30 254		18:52
2025 Feb 07 (Fri)	06:22	06:44 105		12:37 66S	18:30 255		18:52
2025 Feb 08 (Sat)	06:22	06:43 105		12:37 67S	18:31 255		18:52
2025 Feb 09 (Sun)	06:22	06:43 105		12:37 67S	18:31 255		18:52
2025 Feb 10 (Mon)	06:21	06:43 104		12:37 67S	18:31 256		18:53
2025 Feb 11 (Tue)	06:21	06:43 104		12:37 68S	18:31 256		18:53

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

2025	Apr	25	(Fri)	05:47	06:09	76	12:21	87N	18:33	284	18:55
2025	Apr	26	(Sat)	05:47	06:08	76	12:21	86N	18:33	284	18:55
2025	Apr	27	(Sun)	05:46	06:08	76	12:20	86N	18:33	284	18:55
2025	Apr	28	(Mon)	05:46	06:08	76	12:20	86N	18:33	285	18:55
2025	Apr	29	(Tue)	05:45	06:07	75	12:20	85N	18:33	285	18:55
2025	Apr	30	(Wed)	05:45	06:07	75	12:20	85N	18:33	285	18:55
2025	May	01	(Thu)	05:45	06:06	75	12:20	85N	18:33	286	18:55
2025	May	02	(Fri)	05:44	06:06	74	12:20	84N	18:34	286	18:55
2025	May	03	(Sat)	05:44	06:06	74	12:20	84N	18:34	286	18:56
2025	May	04	(Sun)	05:44	06:06	74	12:20	84N	18:34	286	18:56
2025	May	05	(Mon)	05:43	06:05	73	12:19	84N	18:34	287	18:56
2025	May	06	(Tue)	05:43	06:05	73	12:19	83N	18:34	287	18:56
2025	May	07	(Wed)	05:43	06:05	73	12:19	83N	18:34	287	18:56
2025	May	08	(Thu)	05:42	06:04	73	12:19	83N	18:34	288	18:56
2025	May	09	(Fri)	05:42	06:04	72	12:19	82N	18:34	288	18:57
2025	May	10	(Sat)	05:42	06:04	72	12:19	82N	18:35	288	18:57
2025	May	11	(Sun)	05:42	06:04	72	12:19	82N	18:35	288	18:57
2025	May	12	(Mon)	05:41	06:03	71	12:19	82N	18:35	289	18:57
2025	May	13	(Tue)	05:41	06:03	71	12:19	81N	18:35	289	18:57
2025	May	14	(Wed)	05:41	06:03	71	12:19	81N	18:35	289	18:58
2025	May	15	(Thu)	05:41	06:03	71	12:19	81N	18:35	289	18:58
2025	May	16	(Fri)	05:40	06:03	70	12:19	81N	18:36	290	18:58
2025	May	17	(Sat)	05:40	06:03	70	12:19	81N	18:36	290	18:58
2025	May	18	(Sun)	05:40	06:02	70	12:19	80N	18:36	290	18:58
2025	May	19	(Mon)	05:40	06:02	70	12:19	80N	18:36	290	18:59
2025	May	20	(Tue)	05:40	06:02	70	12:19	80N	18:36	291	18:59
2025	May	21	(Wed)	05:40	06:02	69	12:19	80N	18:37	291	18:59
2025	May	22	(Thu)	05:40	06:02	69	12:19	79N	18:37	291	18:59
2025	May	23	(Fri)	05:39	06:02	69	12:20	79N	18:37	291	19:00
2025	May	24	(Sat)	05:39	06:02	69	12:20	79N	18:37	291	19:00
2025	May	25	(Sun)	05:39	06:02	69	12:20	79N	18:38	291	19:00
2025	May	26	(Mon)	05:39	06:02	68	12:20	79N	18:38	292	19:01
2025	May	27	(Tue)	05:39	06:02	68	12:20	79N	18:38	292	19:01
2025	May	28	(Wed)	05:39	06:02	68	12:20	78N	18:38	292	19:01
2025	May	29	(Thu)	05:39	06:02	68	12:20	78N	18:39	292	19:01
2025	May	30	(Fri)	05:39	06:02	68	12:20	78N	18:39	292	19:02
2025	May	31	(Sat)	05:39	06:02	68	12:20	78N	18:39	292	19:02
2025	Jun	01	(Sun)	05:39	06:02	67	12:21	78N	18:39	293	19:02
2025	Jun	02	(Mon)	05:39	06:02	67	12:21	78N	18:40	293	19:02
2025	Jun	03	(Tue)	05:39	06:02	67	12:21	78N	18:40	293	19:03
2025	Jun	04	(Wed)	05:39	06:02	67	12:21	77N	18:40	293	19:03
2025	Jun	05	(Thu)	05:39	06:02	67	12:21	77N	18:40	293	19:03
2025	Jun	06	(Fri)	05:39	06:02	67	12:21	77N	18:41	293	19:04
2025	Jun	07	(Sat)	05:40	06:02	67	12:22	77N	18:41	293	19:04
2025	Jun	08	(Sun)	05:40	06:03	67	12:22	77N	18:41	293	19:04
2025	Jun	09	(Mon)	05:40	06:03	67	12:22	77N	18:41	293	19:04
2025	Jun	10	(Tue)	05:40	06:03	67	12:22	77N	18:42	294	19:05
2025	Jun	11	(Wed)	05:40	06:03	66	12:22	77N	18:42	294	19:05
2025	Jun	12	(Thu)	05:40	06:03	66	12:23	77N	18:42	294	19:05
2025	Jun	13	(Fri)	05:40	06:03	66	12:23	77N	18:43	294	19:05
2025	Jun	14	(Sat)	05:40	06:03	66	12:23	77N	18:43	294	19:06
2025	Jun	15	(Sun)	05:41	06:04	66	12:23	77N	18:43	294	19:06
2025	Jun	16	(Mon)	05:41	06:04	66	12:24	77N	18:43	294	19:06
2025	Jun	17	(Tue)	05:41	06:04	66	12:24	77N	18:44	294	19:07
2025	Jun	18	(Wed)	05:41	06:04	66	12:24	76N	18:44	294	19:07
2025	Jun	19	(Thu)	05:41	06:04	66	12:24	76N	18:44	294	19:07
2025	Jun	20	(Fri)	05:42	06:05	66	12:24	76N	18:44	294	19:07
2025	Jun	21	(Sat)	05:42	06:05	66	12:25	76N	18:44	294	19:07
2025	Jun	22	(Sun)	05:42	06:05	66	12:25	76N	18:45	294	19:08
2025	Jun	23	(Mon)	05:42	06:05	66	12:25	76N	18:45	294	19:08
2025	Jun	24	(Tue)	05:42	06:05	66	12:25	76N	18:45	294	19:08
2025	Jun	25	(Wed)	05:43	06:06	66	12:25	77N	18:45	294	19:08
2025	Jun	26	(Thu)	05:43	06:06	66	12:26	77N	18:45	294	19:08
2025	Jun	27	(Fri)	05:43	06:06	66	12:26	77N	18:46	294	19:09
2025	Jun	28	(Sat)	05:43	06:06	66	12:26	77N	18:46	294	19:09
2025	Jun	29	(Sun)	05:44	06:07	66	12:26	77N	18:46	294	19:09
2025	Jun	30	(Mon)	05:44	06:07	66	12:27	77N	18:46	294	19:09
2025	Jul	01	(Tue)	05:44	06:07	66	12:27	77N	18:46	294	19:09
2025	Jul	02	(Wed)	05:44	06:07	67	12:27	77N	18:46	293	19:09
2025	Jul	03	(Thu)	05:45	06:08	67	12:27	77N	18:46	293	19:09
2025	Jul	04	(Fri)	05:45	06:08	67	12:27	77N	18:47	293	19:09
2025	Jul	05	(Sat)	05:45	06:08	67	12:27	77N	18:47	293	19:10

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

2025	Sep	16	(Tue)	05:52	06:13	87	12:18	84S	18:23	273	18:43
2025	Sep	17	(Wed)	05:52	06:13	88	12:17	84S	18:22	272	18:43
2025	Sep	18	(Thu)	05:52	06:12	88	12:17	83S	18:21	272	18:42
2025	Sep	19	(Fri)	05:51	06:12	88	12:17	83S	18:21	271	18:42
2025	Sep	20	(Sat)	05:51	06:12	89	12:16	83S	18:20	271	18:41
2025	Sep	21	(Sun)	05:51	06:12	89	12:16	82S	18:19	271	18:40
2025	Sep	22	(Mon)	05:51	06:12	90	12:16	82S	18:19	270	18:40
2025	Sep	23	(Tue)	05:51	06:12	90	12:15	81S	18:18	270	18:39
2025	Sep	24	(Wed)	05:51	06:12	90	12:15	81S	18:18	269	18:39
2025	Sep	25	(Thu)	05:51	06:12	91	12:14	81S	18:17	269	18:38
2025	Sep	26	(Fri)	05:51	06:12	91	12:14	80S	18:16	269	18:37
2025	Sep	27	(Sat)	05:51	06:12	92	12:14	80S	18:16	268	18:37
2025	Sep	28	(Sun)	05:51	06:12	92	12:13	79S	18:15	268	18:36
2025	Sep	29	(Mon)	05:50	06:11	92	12:13	79S	18:15	267	18:36
2025	Sep	30	(Tue)	05:50	06:11	93	12:13	79S	18:14	267	18:35
2025	Oct	01	(Wed)	05:50	06:11	93	12:12	78S	18:14	267	18:35
2025	Oct	02	(Thu)	05:50	06:11	93	12:12	78S	18:13	266	18:34
2025	Oct	03	(Fri)	05:50	06:11	94	12:12	77S	18:12	266	18:33
2025	Oct	04	(Sat)	05:50	06:11	94	12:12	77S	18:12	266	18:33
2025	Oct	05	(Sun)	05:50	06:11	95	12:11	77S	18:11	265	18:32
2025	Oct	06	(Mon)	05:50	06:11	95	12:11	76S	18:11	265	18:32
2025	Oct	07	(Tue)	05:50	06:11	95	12:11	76S	18:10	264	18:31
2025	Oct	08	(Wed)	05:50	06:11	96	12:10	76S	18:10	264	18:31
2025	Oct	09	(Thu)	05:50	06:11	96	12:10	75S	18:09	264	18:30
2025	Oct	10	(Fri)	05:50	06:11	97	12:10	75S	18:09	263	18:30
2025	Oct	11	(Sat)	05:50	06:11	97	12:10	74S	18:08	263	18:29
2025	Oct	12	(Sun)	05:50	06:11	97	12:09	74S	18:08	262	18:29
2025	Oct	13	(Mon)	05:50	06:11	98	12:09	74S	18:07	262	18:28
2025	Oct	14	(Tue)	05:50	06:11	98	12:09	73S	18:07	262	18:28
2025	Oct	15	(Wed)	05:50	06:11	98	12:09	73S	18:06	261	18:27
2025	Oct	16	(Thu)	05:50	06:11	99	12:08	73S	18:06	261	18:27
2025	Oct	17	(Fri)	05:50	06:11	99	12:08	72S	18:05	261	18:27
2025	Oct	18	(Sat)	05:50	06:11	100	12:08	72S	18:05	260	18:26
2025	Oct	19	(Sun)	05:50	06:11	100	12:08	71S	18:05	260	18:26
2025	Oct	20	(Mon)	05:50	06:11	100	12:08	71S	18:04	259	18:25
2025	Oct	21	(Tue)	05:50	06:11	101	12:07	71S	18:04	259	18:25
2025	Oct	22	(Wed)	05:50	06:11	101	12:07	70S	18:03	259	18:25
2025	Oct	23	(Thu)	05:50	06:11	101	12:07	70S	18:03	258	18:24
2025	Oct	24	(Fri)	05:50	06:11	102	12:07	70S	18:03	258	18:24
2025	Oct	25	(Sat)	05:50	06:11	102	12:07	69S	18:02	258	18:24
2025	Oct	26	(Sun)	05:50	06:12	102	12:07	69S	18:02	257	18:23
2025	Oct	27	(Mon)	05:50	06:12	103	12:07	69S	18:02	257	18:23
2025	Oct	28	(Tue)	05:50	06:12	103	12:07	68S	18:01	257	18:23
2025	Oct	29	(Wed)	05:50	06:12	103	12:07	68S	18:01	256	18:23
2025	Oct	30	(Thu)	05:51	06:12	104	12:06	68S	18:01	256	18:22
2025	Oct	31	(Fri)	05:51	06:12	104	12:06	67S	18:00	256	18:22
2025	Nov	01	(Sat)	05:51	06:12	104	12:06	67S	18:00	255	18:22
2025	Nov	02	(Sun)	05:51	06:13	105	12:06	67S	18:00	255	18:22
2025	Nov	03	(Mon)	05:51	06:13	105	12:06	66S	18:00	255	18:21
2025	Nov	04	(Tue)	05:51	06:13	105	12:06	66S	18:00	254	18:21
2025	Nov	05	(Wed)	05:52	06:13	106	12:06	66S	17:59	254	18:21
2025	Nov	06	(Thu)	05:52	06:14	106	12:06	65S	17:59	254	18:21
2025	Nov	07	(Fri)	05:52	06:14	106	12:06	65S	17:59	253	18:21
2025	Nov	08	(Sat)	05:52	06:14	107	12:07	65S	17:59	253	18:21
2025	Nov	09	(Sun)	05:52	06:14	107	12:07	65S	17:59	253	18:21
2025	Nov	10	(Mon)	05:53	06:15	107	12:07	64S	17:59	253	18:21
2025	Nov	11	(Tue)	05:53	06:15	108	12:07	64S	17:59	252	18:21
2025	Nov	12	(Wed)	05:53	06:15	108	12:07	64S	17:59	252	18:21
2025	Nov	13	(Thu)	05:54	06:16	108	12:07	63S	17:59	252	18:21
2025	Nov	14	(Fri)	05:54	06:16	108	12:07	63S	17:59	252	18:21
2025	Nov	15	(Sat)	05:54	06:16	109	12:07	63S	17:59	251	18:21
2025	Nov	16	(Sun)	05:54	06:17	109	12:08	63S	17:59	251	18:21
2025	Nov	17	(Mon)	05:55	06:17	109	12:08	62S	17:59	251	18:21
2025	Nov	18	(Tue)	05:55	06:17	109	12:08	62S	17:59	251	18:21
2025	Nov	19	(Wed)	05:55	06:18	110	12:08	62S	17:59	250	18:21
2025	Nov	20	(Thu)	05:56	06:18	110	12:08	62S	17:59	250	18:21
2025	Nov	21	(Fri)	05:56	06:18	110	12:09	62S	17:59	250	18:21
2025	Nov	22	(Sat)	05:57	06:19	110	12:09	61S	17:59	250	18:21
2025	Nov	23	(Sun)	05:57	06:19	110	12:09	61S	17:59	249	18:21
2025	Nov	24	(Mon)	05:57	06:20	111	12:09	61S	17:59	249	18:22
2025	Nov	25	(Tue)	05:58	06:20	111	12:10	61S	17:59	249	18:22
2025	Nov	26	(Wed)	05:58	06:21	111	12:10	61S	18:00	249	18:22

2025	Nov	27	(Thu)	05:59	06:21	111	12:10	60S	18:00	249	18:22
2025	Nov	28	(Fri)	05:59	06:21	111	12:11	60S	18:00	248	18:22
2025	Nov	29	(Sat)	06:00	06:22	112	12:11	60S	18:00	248	18:23
2025	Nov	30	(Sun)	06:00	06:22	112	12:11	60S	18:00	248	18:23
2025	Dec	01	(Mon)	06:00	06:23	112	12:12	60S	18:01	248	18:23
2025	Dec	02	(Tue)	06:01	06:23	112	12:12	60S	18:01	248	18:23
2025	Dec	03	(Wed)	06:01	06:24	112	12:13	59S	18:01	248	18:24
2025	Dec	04	(Thu)	06:02	06:24	112	12:13	59S	18:02	248	18:24
2025	Dec	05	(Fri)	06:02	06:25	113	12:13	59S	18:02	247	18:24
2025	Dec	06	(Sat)	06:03	06:25	113	12:14	59S	18:02	247	18:25
2025	Dec	07	(Sun)	06:03	06:26	113	12:14	59S	18:03	247	18:25
2025	Dec	08	(Mon)	06:04	06:26	113	12:15	59S	18:03	247	18:26
2025	Dec	09	(Tue)	06:04	06:27	113	12:15	59S	18:03	247	18:26
2025	Dec	10	(Wed)	06:05	06:27	113	12:16	59S	18:04	247	18:26
2025	Dec	11	(Thu)	06:05	06:28	113	12:16	59S	18:04	247	18:27
2025	Dec	12	(Fri)	06:06	06:28	113	12:16	58S	18:04	247	18:27
2025	Dec	13	(Sat)	06:06	06:29	113	12:17	58S	18:05	247	18:28
2025	Dec	14	(Sun)	06:07	06:30	113	12:17	58S	18:05	247	18:28
2025	Dec	15	(Mon)	06:07	06:30	113	12:18	58S	18:06	247	18:28
2025	Dec	16	(Tue)	06:08	06:31	113	12:18	58S	18:06	246	18:29
2025	Dec	17	(Wed)	06:08	06:31	114	12:19	58S	18:07	246	18:29
2025	Dec	18	(Thu)	06:09	06:32	114	12:19	58S	18:07	246	18:30
2025	Dec	19	(Fri)	06:09	06:32	114	12:20	58S	18:08	246	18:30
2025	Dec	20	(Sat)	06:10	06:33	114	12:20	58S	18:08	246	18:31
2025	Dec	21	(Sun)	06:10	06:33	114	12:21	58S	18:09	246	18:31
2025	Dec	22	(Mon)	06:11	06:34	114	12:21	58S	18:09	246	18:32
2025	Dec	23	(Tue)	06:11	06:34	114	12:22	58S	18:10	246	18:32
2025	Dec	24	(Wed)	06:12	06:35	114	12:22	58S	18:10	246	18:33
2025	Dec	25	(Thu)	06:12	06:35	114	12:23	58S	18:11	246	18:33
2025	Dec	26	(Fri)	06:13	06:36	114	12:23	58S	18:11	246	18:34
2025	Dec	27	(Sat)	06:13	06:36	114	12:24	58S	18:12	247	18:34
2025	Dec	28	(Sun)	06:14	06:36	113	12:24	58S	18:12	247	18:35
2025	Dec	29	(Mon)	06:14	06:37	113	12:25	58S	18:13	247	18:35
2025	Dec	30	(Tue)	06:15	06:37	113	12:25	58S	18:13	247	18:36
2025	Dec	31	(Wed)	06:15	06:38	113	12:26	58S	18:14	247	18:36

Moon

Surat Thani

Location: E 99°17'59.9", N 9°11'16.8", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	07:46	116		19:37	245	
2025	Jan	02	(Thu)	08:38	112		20:34	250	
2025	Jan	03	(Fri)	09:27	107		21:29	256	
2025	Jan	04	(Sat)	10:12	101		22:22	262	
2025	Jan	05	(Sun)	10:55	94		23:14	269	
2025	Jan	06	(Mon)	11:38	87				
2025	Jan	07	(Tue)	12:21	80		00:06	276	
2025	Jan	08	(Wed)	13:06	74		00:59	283	
2025	Jan	09	(Thu)	13:56	69		01:55	289	
2025	Jan	10	(Fri)	14:50	64		02:54	294	
2025	Jan	11	(Sat)	15:48	62		03:56	297	
2025	Jan	12	(Sun)	16:49	61		04:59	299	
2025	Jan	13	(Mon)	17:50	63		05:59	298	
2025	Jan	14	(Tue)	18:49	66	00:24	06:56	296	73N
2025	Jan	15	(Wed)	19:44	70	01:19	07:47	292	77N
2025	Jan	16	(Thu)	20:34	75	02:09	08:32	287	81N
2025	Jan	17	(Fri)	21:21	81	02:55	09:13	282	87N
2025	Jan	18	(Sat)	22:06	87	03:37	09:51	276	89S
2025	Jan	19	(Sun)	22:49	93	04:18	10:27	270	83S
2025	Jan	20	(Mon)	23:33	99	04:57	11:02	264	77S
2025	Jan	21	(Tue)			05:36	11:38	258	71S
2025	Jan	22	(Wed)	00:17	104	06:17	12:16	253	66S
2025	Jan	23	(Thu)	01:03	109	07:01	12:57	249	61S
2025	Jan	24	(Fri)	01:52	113	07:48	13:42	245	57S
2025	Jan	25	(Sat)	02:45	117	08:38	14:31	242	54S

2025	Jan	26	(Sun)	03:40	119	09:33	53S	15:26	241
2025	Jan	27	(Mon)	04:37	119	10:30	53S	16:24	242
2025	Jan	28	(Tue)	05:34	117	11:28	55S	17:23	244
2025	Jan	29	(Wed)	06:28	114	12:24	58S	18:22	248
2025	Jan	30	(Thu)	07:19	109	13:19	63S	19:20	253
2025	Jan	31	(Fri)	08:07	103	14:10	70S	20:15	260
2025	Feb	01	(Sat)	08:52	97	14:59	77S	21:09	267
2025	Feb	02	(Sun)	09:36	89	15:47	84S	22:02	274
2025	Feb	03	(Mon)	10:19	82	16:36	91N	22:55	281
2025	Feb	04	(Tue)	11:05	76	17:26	84N	23:51	287
2025	Feb	05	(Wed)	11:53	70	18:20	78N		
2025	Feb	06	(Thu)	12:45	65	19:16	74N	00:49	293
2025	Feb	07	(Fri)	13:41	62	20:15	72N	01:49	297
2025	Feb	08	(Sat)	14:40	61	21:15	71N	02:50	299
2025	Feb	09	(Sun)	15:40	62	22:14	72N	03:50	299
2025	Feb	10	(Mon)	16:38	64	23:10	75N	04:47	297
2025	Feb	11	(Tue)	17:34	68			05:39	294
2025	Feb	12	(Wed)	18:26	73	00:01	79N	06:26	289
2025	Feb	13	(Thu)	19:14	79	00:48	84N	07:08	284
2025	Feb	14	(Fri)	20:00	85	01:32	90N	07:47	278
2025	Feb	15	(Sat)	20:44	91	02:13	85S	08:24	272
2025	Feb	16	(Sun)	21:27	97	02:53	79S	09:00	266
2025	Feb	17	(Mon)	22:11	102	03:32	73S	09:35	261
2025	Feb	18	(Tue)	22:56	108	04:12	68S	10:12	255
2025	Feb	19	(Wed)	23:44	112	04:54	63S	10:51	250
2025	Feb	20	(Thu)			05:39	58S	11:34	246
2025	Feb	21	(Fri)	00:34	116	06:28	55S	12:21	243
2025	Feb	22	(Sat)	01:27	118	07:20	53S	13:12	241
2025	Feb	23	(Sun)	02:23	119	08:15	52S	14:08	241
2025	Feb	24	(Mon)	03:19	118	09:12	53S	15:06	242
2025	Feb	25	(Tue)	04:14	116	10:09	56S	16:05	246
2025	Feb	26	(Wed)	05:06	112	11:04	61S	17:03	251
2025	Feb	27	(Thu)	05:56	106	11:57	66S	18:00	257
2025	Feb	28	(Fri)	06:43	100	12:48	73S	18:56	264
2025	Mar	01	(Sat)	07:28	93	13:38	81S	19:51	271
2025	Mar	02	(Sun)	08:13	85	14:28	88S	20:46	278
2025	Mar	03	(Mon)	08:59	78	15:20	86N	21:43	285
2025	Mar	04	(Tue)	09:48	72	16:13	80N	22:41	291
2025	Mar	05	(Wed)	10:40	66	17:10	75N	23:42	296
2025	Mar	06	(Thu)	11:36	63	18:10	72N		
2025	Mar	07	(Fri)	12:34	61	19:10	71N	00:44	298
2025	Mar	08	(Sat)	13:34	61	20:09	72N	01:45	299
2025	Mar	09	(Sun)	14:33	63	21:05	74N	02:43	298
2025	Mar	10	(Mon)	15:29	67	21:57	78N	03:36	295
2025	Mar	11	(Tue)	16:21	71	22:45	83N	04:23	291
2025	Mar	12	(Wed)	17:09	77	23:29	88N	05:06	286
2025	Mar	13	(Thu)	17:55	82			05:46	280
2025	Mar	14	(Fri)	18:39	88	00:10	87S	06:23	275
2025	Mar	15	(Sat)	19:23	94	00:50	81S	06:59	269
2025	Mar	16	(Sun)	20:06	100	01:29	75S	07:34	263
2025	Mar	17	(Mon)	20:51	106	02:09	70S	08:10	257
2025	Mar	18	(Tue)	21:38	110	02:51	64S	08:49	252
2025	Mar	19	(Wed)	22:27	114	03:35	60S	09:30	248
2025	Mar	20	(Thu)	23:18	117	04:21	56S	10:15	244
2025	Mar	21	(Fri)			05:11	54S	11:03	242
2025	Mar	22	(Sat)	00:12	119	06:04	52S	11:56	241
2025	Mar	23	(Sun)	01:07	119	06:59	53S	12:52	242
2025	Mar	24	(Mon)	02:01	117	07:54	55S	13:49	244
2025	Mar	25	(Tue)	02:53	114	08:49	58S	14:46	248
2025	Mar	26	(Wed)	03:43	109	09:42	63S	15:43	253
2025	Mar	27	(Thu)	04:30	103	10:33	70S	16:38	260
2025	Mar	28	(Fri)	05:16	97	11:24	77S	17:34	267
2025	Mar	29	(Sat)	06:01	89	12:14	84S	18:29	275
2025	Mar	30	(Sun)	06:48	82	13:06	90N	19:27	282
2025	Mar	31	(Mon)	07:37	75	14:00	83N	20:27	289
2025	Apr	01	(Tue)	08:29	69	14:58	77N	21:29	294
2025	Apr	02	(Wed)	09:26	64	15:59	73N	22:33	298
2025	Apr	03	(Thu)	10:25	61	17:01	71N	23:37	299
2025	Apr	04	(Fri)	11:27	61	18:02	71N		
2025	Apr	05	(Sat)	12:27	62	19:01	73N	00:37	298
2025	Apr	06	(Sun)	13:25	65	19:54	76N	01:33	296
2025	Apr	07	(Mon)	14:18	70	20:43	81N	02:22	292

2025 Apr 08 (Tue)	15:07 75	21:28 86N	03:06 288
2025 Apr 09 (Wed)	15:53 81	22:10 89S	03:46 282
2025 Apr 10 (Thu)	16:38 86	22:49 83S	04:24 277
2025 Apr 11 (Fri)	17:21 92	23:29 77S	04:59 271
2025 Apr 12 (Sat)	18:04 98		05:35 265
2025 Apr 13 (Sun)	18:48 104	00:08 72S	06:10 259
2025 Apr 14 (Mon)	19:34 109	00:49 66S	06:48 254
2025 Apr 15 (Tue)	20:22 113	01:32 61S	07:28 249
2025 Apr 16 (Wed)	21:13 116	02:18 57S	08:12 245
2025 Apr 17 (Thu)	22:06 118	03:06 54S	08:59 242
2025 Apr 18 (Fri)	23:00 119	03:58 53S	09:50 241
2025 Apr 19 (Sat)	23:53 118	04:52 52S	10:44 241
2025 Apr 20 (Sun)		05:46 54S	11:39 243
2025 Apr 21 (Mon)	00:44 116	06:39 57S	12:35 246
2025 Apr 22 (Tue)	01:34 112	07:31 61S	13:30 251
2025 Apr 23 (Wed)	02:20 106	08:21 67S	14:24 257
2025 Apr 24 (Thu)	03:05 100	09:10 73S	15:17 263
2025 Apr 25 (Fri)	03:50 93	09:59 80S	16:12 271
2025 Apr 26 (Sat)	04:35 86	10:50 88S	17:07 278
2025 Apr 27 (Sun)	05:22 78	11:43 86N	18:06 285
2025 Apr 28 (Mon)	06:13 72	12:39 80N	19:08 291
2025 Apr 29 (Tue)	07:09 66	13:40 75N	20:14 296
2025 Apr 30 (Wed)	08:09 63	14:44 72N	21:20 299
2025 May 01 (Thu)	09:12 61	15:49 71N	22:25 299
2025 May 02 (Fri)	10:16 62	16:50 72N	23:24 297
2025 May 03 (Sat)	11:16 64	17:48 75N	
2025 May 04 (Sun)	12:12 68	18:39 79N	00:17 294
2025 May 05 (Mon)	13:04 73	19:26 85N	01:04 289
2025 May 06 (Tue)	13:51 79	20:09 90N	01:46 284
2025 May 07 (Wed)	14:36 85	20:49 85S	02:24 278
2025 May 08 (Thu)	15:20 91	21:28 79S	03:00 272
2025 May 09 (Fri)	16:02 97	22:08 73S	03:36 266
2025 May 10 (Sat)	16:46 102	22:48 68S	04:11 261
2025 May 11 (Sun)	17:31 107	23:30 63S	04:48 255
2025 May 12 (Mon)	18:19 112		05:27 250
2025 May 13 (Tue)	19:09 115	00:15 59S	06:10 246
2025 May 14 (Wed)	20:02 118	01:03 55S	06:56 243
2025 May 15 (Thu)	20:55 119	01:54 53S	07:46 241
2025 May 16 (Fri)	21:49 118	02:47 52S	08:39 241
2025 May 17 (Sat)	22:40 116	03:41 53S	09:34 242
2025 May 18 (Sun)	23:29 113	04:34 56S	10:29 245
2025 May 19 (Mon)		05:26 60S	11:23 249
2025 May 20 (Tue)	00:16 108	06:15 65S	12:16 255
2025 May 21 (Wed)	01:00 102	07:03 71S	13:08 261
2025 May 22 (Thu)	01:43 96	07:50 77S	14:00 268
2025 May 23 (Fri)	02:26 89	08:38 84S	14:53 275
2025 May 24 (Sat)	03:10 82	09:28 90N	15:48 282
2025 May 25 (Sun)	03:58 75	10:21 83N	16:47 288
2025 May 26 (Mon)	04:51 69	11:20 77N	17:51 294
2025 May 27 (Tue)	05:49 64	12:22 73N	18:57 297
2025 May 28 (Wed)	06:52 62	13:28 71N	20:04 299
2025 May 29 (Thu)	07:57 61	14:33 72N	21:08 298
2025 May 30 (Fri)	09:01 63	15:34 74N	22:06 295
2025 May 31 (Sat)	10:01 67	16:30 78N	22:57 291
2025 Jun 01 (Sun)	10:56 71	17:20 83N	23:42 286
2025 Jun 02 (Mon)	11:46 77	18:05 88N	
2025 Jun 03 (Tue)	12:32 83	18:47 87S	00:22 280
2025 Jun 04 (Wed)	13:17 89	19:27 81S	01:00 274
2025 Jun 05 (Thu)	14:00 95	20:06 75S	01:35 268
2025 Jun 06 (Fri)	14:43 100	20:46 70S	02:11 262
2025 Jun 07 (Sat)	15:28 106	21:28 64S	02:47 257
2025 Jun 08 (Sun)	16:15 110	22:12 60S	03:26 252
2025 Jun 09 (Mon)	17:04 114	22:59 56S	04:07 248
2025 Jun 10 (Tue)	17:56 117	23:49 54S	04:53 244
2025 Jun 11 (Wed)	18:50 119		05:42 242
2025 Jun 12 (Thu)	19:44 119	00:42 53S	06:35 241
2025 Jun 13 (Fri)	20:37 117	01:37 53S	07:30 242
2025 Jun 14 (Sat)	21:27 114	02:30 55S	08:25 244
2025 Jun 15 (Sun)	22:14 109	03:23 58S	09:20 248
2025 Jun 16 (Mon)	22:58 104	04:12 63S	10:13 253
2025 Jun 17 (Tue)	23:41 98	05:00 69S	11:04 259
2025 Jun 18 (Wed)		05:47 75S	11:55 266

2025 Jun 19 (Thu)	00:22 91	06:33 82S	12:45 272
2025 Jun 20 (Fri)	01:05 84	07:20 89S	13:38 279
2025 Jun 21 (Sat)	01:50 77	08:10 86N	14:34 286
2025 Jun 22 (Sun)	02:38 71	09:05 80N	15:33 292
2025 Jun 23 (Mon)	03:32 66	10:04 75N	16:37 296
2025 Jun 24 (Tue)	04:32 63	11:07 72N	17:43 298
2025 Jun 25 (Wed)	05:36 61	12:12 71N	18:49 299
2025 Jun 26 (Thu)	06:41 62	13:16 73N	19:50 297
2025 Jun 27 (Fri)	07:44 65	14:15 76N	20:45 293
2025 Jun 28 (Sat)	08:42 69	15:09 80N	21:33 288
2025 Jun 29 (Sun)	09:36 75	15:57 86N	22:17 282
2025 Jun 30 (Mon)	10:25 80	16:42 89S	22:56 276
2025 Jul 01 (Tue)	11:11 87	17:23 83S	23:33 270
2025 Jul 02 (Wed)	11:55 93	18:03 77S	
2025 Jul 03 (Thu)	12:39 98	18:43 71S	00:09 264
2025 Jul 04 (Fri)	13:23 104	19:24 66S	00:45 259
2025 Jul 05 (Sat)	14:09 109	20:07 61S	01:23 254
2025 Jul 06 (Sun)	14:58 113	20:53 57S	02:03 249
2025 Jul 07 (Mon)	15:49 116	21:42 54S	02:47 245
2025 Jul 08 (Tue)	16:42 118	22:35 53S	03:35 243
2025 Jul 09 (Wed)	17:37 119	23:29 53S	04:27 241
2025 Jul 10 (Thu)	18:31 118		05:22 241
2025 Jul 11 (Fri)	19:23 115	00:24 54S	06:18 243
2025 Jul 12 (Sat)	20:11 111	01:18 57S	07:14 247
2025 Jul 13 (Sun)	20:57 106	02:09 62S	08:08 252
2025 Jul 14 (Mon)	21:40 99	02:58 67S	09:01 257
2025 Jul 15 (Tue)	22:22 93	03:45 73S	09:52 264
2025 Jul 16 (Wed)	23:04 86	04:31 80S	10:43 271
2025 Jul 17 (Thu)	23:47 79	05:18 87S	11:34 277
2025 Jul 18 (Fri)		06:06 88N	12:28 284
2025 Jul 19 (Sat)	00:33 73	06:58 81N	13:24 290
2025 Jul 20 (Sun)	01:24 68	07:53 76N	14:25 295
2025 Jul 21 (Mon)	02:20 64	08:54 73N	15:28 298
2025 Jul 22 (Tue)	03:21 61	09:57 71N	16:33 299
2025 Jul 23 (Wed)	04:24 61	11:00 72N	17:35 298
2025 Jul 24 (Thu)	05:27 63	12:01 74N	18:32 295
2025 Jul 25 (Fri)	06:28 67	12:57 78N	19:23 290
2025 Jul 26 (Sat)	07:24 72	13:47 83N	20:09 285
2025 Jul 27 (Sun)	08:15 78	14:34 89N	20:50 279
2025 Jul 28 (Mon)	09:03 84	15:17 86S	21:29 273
2025 Jul 29 (Tue)	09:48 90	15:58 80S	22:06 267
2025 Jul 30 (Wed)	10:33 96	16:38 74S	22:42 261
2025 Jul 31 (Thu)	11:17 102	17:19 68S	23:19 255
2025 Aug 01 (Fri)	12:03 107	18:02 63S	23:59 250
2025 Aug 02 (Sat)	12:50 112	18:46 59S	
2025 Aug 03 (Sun)	13:40 115	19:34 55S	00:41 246
2025 Aug 04 (Mon)	14:33 118	20:25 53S	01:27 243
2025 Aug 05 (Tue)	15:27 119	21:19 52S	02:17 241
2025 Aug 06 (Wed)	16:21 118	22:14 53S	03:11 241
2025 Aug 07 (Thu)	17:14 116	23:08 56S	04:07 242
2025 Aug 08 (Fri)	18:04 113		05:04 245
2025 Aug 09 (Sat)	18:52 108	00:01 60S	05:59 250
2025 Aug 10 (Sun)	19:37 102	00:52 65S	06:54 255
2025 Aug 11 (Mon)	20:20 95	01:41 71S	07:46 261
2025 Aug 12 (Tue)	21:03 88	02:28 78S	08:38 268
2025 Aug 13 (Wed)	21:46 81	03:15 85S	09:30 275
2025 Aug 14 (Thu)	22:32 75	04:04 89N	10:24 282
2025 Aug 15 (Fri)	23:21 69	04:54 83N	11:20 288
2025 Aug 16 (Sat)		05:49 78N	12:19 294
2025 Aug 17 (Sun)	00:14 64	06:47 74N	13:21 297
2025 Aug 18 (Mon)	01:13 62	07:48 71N	14:24 299
2025 Aug 19 (Tue)	02:14 61	08:50 71N	15:25 299
2025 Aug 20 (Wed)	03:16 62	09:50 73N	16:23 296
2025 Aug 21 (Thu)	04:16 65	10:47 76N	17:15 292
2025 Aug 22 (Fri)	05:13 70	11:39 81N	18:03 287
2025 Aug 23 (Sat)	06:06 75	12:27 87N	18:45 282
2025 Aug 24 (Sun)	06:55 81	13:11 88S	19:25 275
2025 Aug 25 (Mon)	07:41 88	13:53 82S	20:02 269
2025 Aug 26 (Tue)	08:26 94	14:33 76S	20:39 263
2025 Aug 27 (Wed)	09:11 100	15:14 70S	21:16 257
2025 Aug 28 (Thu)	09:56 105	15:56 65S	21:54 252
2025 Aug 29 (Fri)	10:43 110	16:40 60S	22:35 248

2025 Aug 30 (Sat)	11:32 114	17:26 56S	23:20 244
2025 Aug 31 (Sun)	12:23 117	18:16 54S	
2025 Sep 01 (Mon)	13:16 119	19:08 52S	00:08 242
2025 Sep 02 (Tue)	14:09 119	20:01 53S	00:59 241
2025 Sep 03 (Wed)	15:02 118	20:56 54S	01:54 242
2025 Sep 04 (Thu)	15:54 115	21:49 58S	02:50 244
2025 Sep 05 (Fri)	16:43 110	22:41 62S	03:46 247
2025 Sep 06 (Sat)	17:29 105	23:31 68S	04:41 252
2025 Sep 07 (Sun)	18:13 98		05:35 259
2025 Sep 08 (Mon)	18:57 91	00:19 75S	06:28 265
2025 Sep 09 (Tue)	19:41 84	01:08 82S	07:21 273
2025 Sep 10 (Wed)	20:27 77	01:57 89S	08:16 280
2025 Sep 11 (Thu)	21:16 71	02:48 85N	09:12 286
2025 Sep 12 (Fri)	22:10 66	03:43 79N	10:12 292
2025 Sep 13 (Sat)	23:07 62	04:41 75N	11:14 296
2025 Sep 14 (Sun)		05:42 72N	12:17 299
2025 Sep 15 (Mon)	00:08 61	06:44 71N	13:20 299
2025 Sep 16 (Tue)	01:10 62	07:45 72N	14:18 297
2025 Sep 17 (Wed)	02:10 64	08:42 75N	15:11 294
2025 Sep 18 (Thu)	03:07 68	09:34 79N	15:59 289
2025 Sep 19 (Fri)	04:00 73	10:22 85N	16:43 284
2025 Sep 20 (Sat)	04:49 79	11:07 91N	17:22 278
2025 Sep 21 (Sun)	05:36 85	11:49 85S	18:00 272
2025 Sep 22 (Mon)	06:21 91	12:30 78S	18:37 266
2025 Sep 23 (Tue)	07:06 97	13:11 72S	19:13 260
2025 Sep 24 (Wed)	07:51 103	13:52 67S	19:51 254
2025 Sep 25 (Thu)	08:37 108	14:35 62S	20:32 249
2025 Sep 26 (Fri)	09:25 113	15:20 58S	21:14 246
2025 Sep 27 (Sat)	10:15 116	16:08 55S	22:01 243
2025 Sep 28 (Sun)	11:07 118	16:59 53S	22:51 241
2025 Sep 29 (Mon)	11:59 119	17:51 52S	23:43 241
2025 Sep 30 (Tue)	12:52 118	18:44 53S	
2025 Oct 01 (Wed)	13:43 116	19:37 56S	00:37 243
2025 Oct 02 (Thu)	14:32 112	20:28 60S	01:32 245
2025 Oct 03 (Fri)	15:18 107	21:18 65S	02:26 250
2025 Oct 04 (Sat)	16:03 101	22:07 72S	03:20 255
2025 Oct 05 (Sun)	16:47 95	22:55 79S	04:13 262
2025 Oct 06 (Mon)	17:31 87	23:45 86S	05:06 269
2025 Oct 07 (Tue)	18:17 80		06:01 276
2025 Oct 08 (Wed)	19:06 73	00:36 88N	06:58 283
2025 Oct 09 (Thu)	19:59 68	01:31 82N	07:58 290
2025 Oct 10 (Fri)	20:58 63	02:29 76N	09:02 295
2025 Oct 11 (Sat)	21:59 61	03:32 73N	10:07 298
2025 Oct 12 (Sun)	23:03 61	04:36 71N	11:12 299
2025 Oct 13 (Mon)		05:38 72N	12:13 298
2025 Oct 14 (Tue)	00:05 63	06:37 74N	13:08 295
2025 Oct 15 (Wed)	01:03 67	07:31 78N	13:58 291
2025 Oct 16 (Thu)	01:57 72	08:21 83N	14:42 286
2025 Oct 17 (Fri)	02:47 77	09:06 89N	15:22 280
2025 Oct 18 (Sat)	03:34 83	09:48 87S	16:00 274
2025 Oct 19 (Sun)	04:19 89	10:29 81S	16:37 268
2025 Oct 20 (Mon)	05:03 95	11:09 74S	17:13 262
2025 Oct 21 (Tue)	05:47 101	11:50 69S	17:50 256
2025 Oct 22 (Wed)	06:33 107	12:32 64S	18:30 251
2025 Oct 23 (Thu)	07:20 111	13:16 59S	19:12 247
2025 Oct 24 (Fri)	08:09 115	14:04 56S	19:57 244
2025 Oct 25 (Sat)	09:01 117	14:53 53S	20:45 242
2025 Oct 26 (Sun)	09:53 119	15:44 53S	21:36 241
2025 Oct 27 (Mon)	10:45 119	16:37 53S	22:29 242
2025 Oct 28 (Tue)	11:35 117	17:28 55S	23:23 244
2025 Oct 29 (Wed)	12:24 114	18:19 58S	
2025 Oct 30 (Thu)	13:10 110	19:08 63S	00:15 248
2025 Oct 31 (Fri)	13:54 104	19:55 69S	01:08 253
2025 Nov 01 (Sat)	14:37 98	20:42 75S	01:59 259
2025 Nov 02 (Sun)	15:19 91	21:30 82S	02:51 265
2025 Nov 03 (Mon)	16:04 84	22:20 89S	03:43 273
2025 Nov 04 (Tue)	16:51 77	23:13 85N	04:38 280
2025 Nov 05 (Wed)	17:43 70		05:37 287
2025 Nov 06 (Thu)	18:40 65	00:10 79N	06:40 292
2025 Nov 07 (Fri)	19:42 62	01:13 74N	07:47 297
2025 Nov 08 (Sat)	20:48 61	02:18 72N	08:55 299
2025 Nov 09 (Sun)	21:53 63	03:24 71N	10:00 298

2025 Nov 10 (Mon)	22:55 66	04:27 73N	11:00 296
2025 Nov 11 (Tue)	23:52 70	05:25 77N	11:53 292
2025 Nov 12 (Wed)		06:17 82N	12:40 287
2025 Nov 13 (Thu)	00:44 76	07:04 87N	13:22 281
2025 Nov 14 (Fri)	01:32 82	07:47 88S	14:01 275
2025 Nov 15 (Sat)	02:17 88	08:28 82S	14:38 269
2025 Nov 16 (Sun)	03:01 94	09:09 76S	15:14 263
2025 Nov 17 (Mon)	03:45 99	09:49 71S	15:51 258
2025 Nov 18 (Tue)	04:30 105	10:30 65S	16:29 253
2025 Nov 19 (Wed)	05:17 110	11:14 61S	17:10 248
2025 Nov 20 (Thu)	06:05 114	12:00 57S	17:54 245
2025 Nov 21 (Fri)	06:56 117	12:49 54S	18:42 242
2025 Nov 22 (Sat)	07:48 118	13:40 53S	19:32 241
2025 Nov 23 (Sun)	08:40 119	14:32 53S	20:24 242
2025 Nov 24 (Mon)	09:31 117	15:24 54S	21:17 244
2025 Nov 25 (Tue)	10:20 115	16:14 57S	22:10 247
2025 Nov 26 (Wed)	11:06 111	17:03 61S	23:01 251
2025 Nov 27 (Thu)	11:49 106	17:49 67S	23:51 257
2025 Nov 28 (Fri)	12:31 100	18:35 73S	
2025 Nov 29 (Sat)	13:12 94	19:20 79S	00:41 263
2025 Nov 30 (Sun)	13:54 87	20:07 86S	01:31 269
2025 Dec 01 (Mon)	14:38 80	20:56 88N	02:22 276
2025 Dec 02 (Tue)	15:26 74	21:50 82N	03:17 283
2025 Dec 03 (Wed)	16:19 68	22:49 77N	04:17 289
2025 Dec 04 (Thu)	17:19 64	23:54 73N	05:21 294
2025 Dec 05 (Fri)	18:24 62		06:30 298
2025 Dec 06 (Sat)	19:32 62	01:01 71N	07:38 299
2025 Dec 07 (Sun)	20:38 64	02:08 72N	08:43 297
2025 Dec 08 (Mon)	21:39 68	03:11 75N	09:41 294
2025 Dec 09 (Tue)	22:35 74	04:07 80N	10:33 289
2025 Dec 10 (Wed)	23:26 80	04:58 85N	11:18 283
2025 Dec 11 (Thu)		05:44 90S	11:59 277
2025 Dec 12 (Fri)	00:14 86	06:26 84S	12:37 271
2025 Dec 13 (Sat)	00:59 92	07:07 78S	13:14 265
2025 Dec 14 (Sun)	01:43 98	07:48 72S	13:50 259
2025 Dec 15 (Mon)	02:28 103	08:29 67S	14:28 254
2025 Dec 16 (Tue)	03:14 108	09:12 62S	15:08 249
2025 Dec 17 (Wed)	04:02 113	09:57 58S	15:51 246
2025 Dec 18 (Thu)	04:52 116	10:45 55S	16:38 243
2025 Dec 19 (Fri)	05:43 118	11:36 53S	17:28 242
2025 Dec 20 (Sat)	06:36 119	12:28 53S	18:20 242
2025 Dec 21 (Sun)	07:28 118	13:20 54S	19:13 243
2025 Dec 22 (Mon)	08:17 116	14:11 56S	20:06 246
2025 Dec 23 (Tue)	09:04 112	15:00 60S	20:58 250
2025 Dec 24 (Wed)	09:48 108	15:47 65S	21:48 255
2025 Dec 25 (Thu)	10:30 102	16:33 71S	22:37 261
2025 Dec 26 (Fri)	11:10 96	17:17 77S	23:26 267
2025 Dec 27 (Sat)	11:50 89	18:01 84S	
2025 Dec 28 (Sun)	12:32 83	18:48 90S	00:15 274
2025 Dec 29 (Mon)	13:16 76	19:38 85N	01:06 281
2025 Dec 30 (Tue)	14:05 70	20:32 79N	02:01 287
2025 Dec 31 (Wed)	15:00 65	21:32 74N	03:01 292