

Sun

NakhonSiThammarat
Location: E 99°57'57.5", N 8°26'02.3", 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)	05:45	06:34	113	12:23 59S	18:13	247	19:02
2024	Jan	02 (Tue)	05:46	06:34	113	12:24 59S	18:13	247	19:02
2024	Jan	03 (Wed)	05:46	06:35	113	12:24 59S	18:14	247	19:03
2024	Jan	04 (Thu)	05:46	06:35	113	12:25 60S	18:14	247	19:03
2024	Jan	05 (Fri)	05:47	06:36	113	12:25 60S	18:15	247	19:03
2024	Jan	06 (Sat)	05:47	06:36	113	12:26 60S	18:15	247	19:04
2024	Jan	07 (Sun)	05:48	06:36	113	12:26 60S	18:16	247	19:04
2024	Jan	08 (Mon)	05:48	06:37	112	12:27 60S	18:16	248	19:05
2024	Jan	09 (Tue)	05:48	06:37	112	12:27 60S	18:17	248	19:05
2024	Jan	10 (Wed)	05:49	06:37	112	12:27 60S	18:17	248	19:06
2024	Jan	11 (Thu)	05:49	06:38	112	12:28 60S	18:18	248	19:06
2024	Jan	12 (Fri)	05:50	06:38	112	12:28 61S	18:18	248	19:07
2024	Jan	13 (Sat)	05:50	06:38	112	12:29 61S	18:19	248	19:07
2024	Jan	14 (Sun)	05:50	06:39	112	12:29 61S	18:19	249	19:08
2024	Jan	15 (Mon)	05:51	06:39	111	12:29 61S	18:20	249	19:08
2024	Jan	16 (Tue)	05:51	06:39	111	12:30 61S	18:20	249	19:08
2024	Jan	17 (Wed)	05:51	06:39	111	12:30 61S	18:21	249	19:09
2024	Jan	18 (Thu)	05:51	06:39	111	12:30 62S	18:21	249	19:09
2024	Jan	19 (Fri)	05:52	06:40	111	12:31 62S	18:22	250	19:10
2024	Jan	20 (Sat)	05:52	06:40	110	12:31 62S	18:22	250	19:10
2024	Jan	21 (Sun)	05:52	06:40	110	12:31 62S	18:23	250	19:10
2024	Jan	22 (Mon)	05:52	06:40	110	12:32 62S	18:23	250	19:11
2024	Jan	23 (Tue)	05:52	06:40	110	12:32 63S	18:23	250	19:11
2024	Jan	24 (Wed)	05:53	06:40	109	12:32 63S	18:24	251	19:11
2024	Jan	25 (Thu)	05:53	06:40	109	12:32 63S	18:24	251	19:12
2024	Jan	26 (Fri)	05:53	06:41	109	12:32 63S	18:25	251	19:12
2024	Jan	27 (Sat)	05:53	06:41	109	12:33 64S	18:25	251	19:12
2024	Jan	28 (Sun)	05:53	06:41	108	12:33 64S	18:25	252	19:13
2024	Jan	29 (Mon)	05:53	06:41	108	12:33 64S	18:26	252	19:13
2024	Jan	30 (Tue)	05:53	06:41	108	12:33 64S	18:26	252	19:13
2024	Jan	31 (Wed)	05:53	06:41	108	12:33 65S	18:26	252	19:13
2024	Feb	01 (Thu)	05:53	06:41	107	12:34 65S	18:27	253	19:14
2024	Feb	02 (Fri)	05:54	06:41	107	12:34 65S	18:27	253	19:14
2024	Feb	03 (Sat)	05:54	06:41	107	12:34 66S	18:27	253	19:14
2024	Feb	04 (Sun)	05:54	06:40	107	12:34 66S	18:28	254	19:14
2024	Feb	05 (Mon)	05:54	06:40	106	12:34 66S	18:28	254	19:15
2024	Feb	06 (Tue)	05:53	06:40	106	12:34 67S	18:28	254	19:15
2024	Feb	07 (Wed)	05:53	06:40	106	12:34 67S	18:28	255	19:15
2024	Feb	08 (Thu)	05:53	06:40	105	12:34 67S	18:29	255	19:15
2024	Feb	09 (Fri)	05:53	06:40	105	12:34 67S	18:29	255	19:15
2024	Feb	10 (Sat)	05:53	06:40	105	12:34 68S	18:29	256	19:16
2024	Feb	11 (Sun)	05:53	06:39	104	12:34 68S	18:29	256	19:16
2024	Feb	12 (Mon)	05:53	06:39	104	12:34 68S	18:29	256	19:16
2024	Feb	13 (Tue)	05:53	06:39	104	12:34 69S	18:30	257	19:16
2024	Feb	14 (Wed)	05:53	06:39	103	12:34 69S	18:30	257	19:16
2024	Feb	15 (Thu)	05:52	06:39	103	12:34 69S	18:30	257	19:16
2024	Feb	16 (Fri)	05:52	06:38	103	12:34 70S	18:30	258	19:16
2024	Feb	17 (Sat)	05:52	06:38	102	12:34 70S	18:30	258	19:16
2024	Feb	18 (Sun)	05:52	06:38	102	12:34 70S	18:30	258	19:16
2024	Feb	19 (Mon)	05:52	06:38	102	12:34 71S	18:31	259	19:17
2024	Feb	20 (Tue)	05:51	06:37	101	12:34 71S	18:31	259	19:17
2024	Feb	21 (Wed)	05:51	06:37	101	12:34 72S	18:31	259	19:17
2024	Feb	22 (Thu)	05:51	06:37	100	12:34 72S	18:31	260	19:17
2024	Feb	23 (Fri)	05:50	06:36	100	12:34 72S	18:31	260	19:17
2024	Feb	24 (Sat)	05:50	06:36	100	12:33 73S	18:31	260	19:17
2024	Feb	25 (Sun)	05:50	06:36	99	12:33 73S	18:31	261	19:17
2024	Feb	26 (Mon)	05:50	06:35	99	12:33 73S	18:31	261	19:17
2024	Feb	27 (Tue)	05:49	06:35	99	12:33 74S	18:31	262	19:17
2024	Feb	28 (Wed)	05:49	06:34	98	12:33 74S	18:31	262	19:17
2024	Feb	29 (Thu)	05:48	06:34	98	12:33 74S	18:31	262	19:17

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

2024	May	12	(Sun)	05:14	06:02	71	12:17	81N	18:31	289	19:19
2024	May	13	(Mon)	05:14	06:02	71	12:16	81N	18:31	289	19:20
2024	May	14	(Tue)	05:13	06:01	71	12:16	80N	18:32	289	19:20
2024	May	15	(Wed)	05:13	06:01	71	12:17	80N	18:32	289	19:20
2024	May	16	(Thu)	05:13	06:01	70	12:17	80N	18:32	290	19:20
2024	May	17	(Fri)	05:13	06:01	70	12:17	80N	18:32	290	19:21
2024	May	18	(Sat)	05:13	06:01	70	12:17	79N	18:32	290	19:21
2024	May	19	(Sun)	05:12	06:01	70	12:17	79N	18:33	290	19:21
2024	May	20	(Mon)	05:12	06:01	70	12:17	79N	18:33	291	19:21
2024	May	21	(Tue)	05:12	06:01	69	12:17	79N	18:33	291	19:22
2024	May	22	(Wed)	05:12	06:01	69	12:17	79N	18:33	291	19:22
2024	May	23	(Thu)	05:12	06:01	69	12:17	78N	18:33	291	19:22
2024	May	24	(Fri)	05:12	06:00	69	12:17	78N	18:34	291	19:22
2024	May	25	(Sat)	05:12	06:00	69	12:17	78N	18:34	291	19:23
2024	May	26	(Sun)	05:11	06:00	68	12:17	78N	18:34	292	19:23
2024	May	27	(Mon)	05:11	06:00	68	12:17	78N	18:34	292	19:23
2024	May	28	(Tue)	05:11	06:00	68	12:17	78N	18:35	292	19:24
2024	May	29	(Wed)	05:11	06:00	68	12:18	77N	18:35	292	19:24
2024	May	30	(Thu)	05:11	06:00	68	12:18	77N	18:35	292	19:24
2024	May	31	(Fri)	05:11	06:01	68	12:18	77N	18:35	292	19:25
2024	Jun	01	(Sat)	05:11	06:01	68	12:18	77N	18:36	293	19:25
2024	Jun	02	(Sun)	05:11	06:01	67	12:18	77N	18:36	293	19:25
2024	Jun	03	(Mon)	05:11	06:01	67	12:18	77N	18:36	293	19:25
2024	Jun	04	(Tue)	05:11	06:01	67	12:19	77N	18:36	293	19:26
2024	Jun	05	(Wed)	05:11	06:01	67	12:19	77N	18:37	293	19:26
2024	Jun	06	(Thu)	05:11	06:01	67	12:19	76N	18:37	293	19:26
2024	Jun	07	(Fri)	05:12	06:01	67	12:19	76N	18:37	293	19:27
2024	Jun	08	(Sat)	05:12	06:01	67	12:19	76N	18:37	293	19:27
2024	Jun	09	(Sun)	05:12	06:01	67	12:19	76N	18:38	293	19:27
2024	Jun	10	(Mon)	05:12	06:02	67	12:20	76N	18:38	293	19:28
2024	Jun	11	(Tue)	05:12	06:02	66	12:20	76N	18:38	294	19:28
2024	Jun	12	(Wed)	05:12	06:02	66	12:20	76N	18:38	294	19:28
2024	Jun	13	(Thu)	05:12	06:02	66	12:20	76N	18:39	294	19:28
2024	Jun	14	(Fri)	05:12	06:02	66	12:20	76N	18:39	294	19:29
2024	Jun	15	(Sat)	05:13	06:02	66	12:21	76N	18:39	294	19:29
2024	Jun	16	(Sun)	05:13	06:03	66	12:21	76N	18:39	294	19:29
2024	Jun	17	(Mon)	05:13	06:03	66	12:21	76N	18:40	294	19:29
2024	Jun	18	(Tue)	05:13	06:03	66	12:21	76N	18:40	294	19:30
2024	Jun	19	(Wed)	05:13	06:03	66	12:22	76N	18:40	294	19:30
2024	Jun	20	(Thu)	05:13	06:03	66	12:22	76N	18:40	294	19:30
2024	Jun	21	(Fri)	05:14	06:04	66	12:22	76N	18:40	294	19:30
2024	Jun	22	(Sat)	05:14	06:04	66	12:22	76N	18:41	294	19:31
2024	Jun	23	(Sun)	05:14	06:04	66	12:22	76N	18:41	294	19:31
2024	Jun	24	(Mon)	05:14	06:04	66	12:23	76N	18:41	294	19:31
2024	Jun	25	(Tue)	05:15	06:04	66	12:23	76N	18:41	294	19:31
2024	Jun	26	(Wed)	05:15	06:05	66	12:23	76N	18:41	294	19:31
2024	Jun	27	(Thu)	05:15	06:05	66	12:23	76N	18:42	294	19:31
2024	Jun	28	(Fri)	05:15	06:05	66	12:23	76N	18:42	294	19:32
2024	Jun	29	(Sat)	05:16	06:05	66	12:24	76N	18:42	294	19:32
2024	Jun	30	(Sun)	05:16	06:06	66	12:24	76N	18:42	294	19:32
2024	Jul	01	(Mon)	05:16	06:06	67	12:24	76N	18:42	293	19:32
2024	Jul	02	(Tue)	05:16	06:06	67	12:24	76N	18:42	293	19:32
2024	Jul	03	(Wed)	05:17	06:06	67	12:24	76N	18:42	293	19:32
2024	Jul	04	(Thu)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2024	Jul	05	(Fri)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2024	Jul	06	(Sat)	05:18	06:07	67	12:25	77N	18:43	293	19:32
2024	Jul	07	(Sun)	05:18	06:07	67	12:25	77N	18:43	293	19:32
2024	Jul	08	(Mon)	05:18	06:08	67	12:25	77N	18:43	293	19:32
2024	Jul	09	(Tue)	05:18	06:08	67	12:25	77N	18:43	293	19:32
2024	Jul	10	(Wed)	05:19	06:08	67	12:26	77N	18:43	293	19:32
2024	Jul	11	(Thu)	05:19	06:08	68	12:26	77N	18:43	292	19:32
2024	Jul	12	(Fri)	05:19	06:09	68	12:26	77N	18:43	292	19:32
2024	Jul	13	(Sat)	05:20	06:09	68	12:26	77N	18:43	292	19:32
2024	Jul	14	(Sun)	05:20	06:09	68	12:26	78N	18:43	292	19:32
2024	Jul	15	(Mon)	05:20	06:09	68	12:26	78N	18:43	292	19:32
2024	Jul	16	(Tue)	05:20	06:09	68	12:26	78N	18:43	292	19:32
2024	Jul	17	(Wed)	05:21	06:10	68	12:26	78N	18:43	291	19:32
2024	Jul	18	(Thu)	05:21	06:10	69	12:26	78N	18:43	291	19:32
2024	Jul	19	(Fri)	05:21	06:10	69	12:26	78N	18:43	291	19:32
2024	Jul	20	(Sat)	05:21	06:10	69	12:27	79N	18:43	291	19:32
2024	Jul	21	(Sun)	05:22	06:10	69	12:27	79N	18:43	291	19:31
2024	Jul	22	(Mon)	05:22	06:11	69	12:27	79N	18:43	290	19:31

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

2024	Oct	03	(Thu)	05:23	06:08	94	12:09	78S	18:10	266	18:55
2024	Oct	04	(Fri)	05:23	06:08	94	12:09	78S	18:09	265	18:55
2024	Oct	05	(Sat)	05:23	06:08	95	12:08	77S	18:09	265	18:54
2024	Oct	06	(Sun)	05:23	06:08	95	12:08	77S	18:08	265	18:54
2024	Oct	07	(Mon)	05:23	06:08	96	12:08	77S	18:08	264	18:53
2024	Oct	08	(Tue)	05:23	06:08	96	12:08	76S	18:07	264	18:53
2024	Oct	09	(Wed)	05:22	06:08	96	12:07	76S	18:07	264	18:52
2024	Oct	10	(Thu)	05:22	06:08	97	12:07	75S	18:06	263	18:52
2024	Oct	11	(Fri)	05:22	06:08	97	12:07	75S	18:06	263	18:51
2024	Oct	12	(Sat)	05:22	06:08	97	12:07	75S	18:05	262	18:51
2024	Oct	13	(Sun)	05:22	06:08	98	12:06	74S	18:05	262	18:50
2024	Oct	14	(Mon)	05:22	06:08	98	12:06	74S	18:04	262	18:50
2024	Oct	15	(Tue)	05:22	06:08	99	12:06	74S	18:04	261	18:50
2024	Oct	16	(Wed)	05:22	06:08	99	12:06	73S	18:04	261	18:49
2024	Oct	17	(Thu)	05:22	06:08	99	12:05	73S	18:03	260	18:49
2024	Oct	18	(Fri)	05:22	06:08	100	12:05	72S	18:03	260	18:48
2024	Oct	19	(Sat)	05:22	06:08	100	12:05	72S	18:02	260	18:48
2024	Oct	20	(Sun)	05:22	06:08	100	12:05	72S	18:02	259	18:48
2024	Oct	21	(Mon)	05:22	06:08	101	12:05	71S	18:02	259	18:47
2024	Oct	22	(Tue)	05:22	06:08	101	12:05	71S	18:01	259	18:47
2024	Oct	23	(Wed)	05:22	06:08	101	12:04	71S	18:01	258	18:47
2024	Oct	24	(Thu)	05:22	06:08	102	12:04	70S	18:00	258	18:47
2024	Oct	25	(Fri)	05:22	06:08	102	12:04	70S	18:00	258	18:46
2024	Oct	26	(Sat)	05:22	06:08	103	12:04	70S	18:00	257	18:46
2024	Oct	27	(Sun)	05:22	06:08	103	12:04	69S	18:00	257	18:46
2024	Oct	28	(Mon)	05:22	06:08	103	12:04	69S	17:59	257	18:46
2024	Oct	29	(Tue)	05:22	06:09	104	12:04	69S	17:59	256	18:45
2024	Oct	30	(Wed)	05:22	06:09	104	12:04	68S	17:59	256	18:45
2024	Oct	31	(Thu)	05:22	06:09	104	12:04	68S	17:59	256	18:45
2024	Nov	01	(Fri)	05:23	06:09	105	12:04	68S	17:58	255	18:45
2024	Nov	02	(Sat)	05:23	06:09	105	12:04	67S	17:58	255	18:45
2024	Nov	03	(Sun)	05:23	06:09	105	12:04	67S	17:58	255	18:45
2024	Nov	04	(Mon)	05:23	06:10	105	12:04	67S	17:58	254	18:44
2024	Nov	05	(Tue)	05:23	06:10	106	12:04	66S	17:58	254	18:44
2024	Nov	06	(Wed)	05:23	06:10	106	12:04	66S	17:57	254	18:44
2024	Nov	07	(Thu)	05:23	06:10	106	12:04	66S	17:57	253	18:44
2024	Nov	08	(Fri)	05:24	06:11	107	12:04	66S	17:57	253	18:44
2024	Nov	09	(Sat)	05:24	06:11	107	12:04	65S	17:57	253	18:44
2024	Nov	10	(Sun)	05:24	06:11	107	12:04	65S	17:57	253	18:44
2024	Nov	11	(Mon)	05:24	06:11	108	12:04	65S	17:57	252	18:44
2024	Nov	12	(Tue)	05:24	06:12	108	12:04	64S	17:57	252	18:44
2024	Nov	13	(Wed)	05:25	06:12	108	12:04	64S	17:57	252	18:44
2024	Nov	14	(Thu)	05:25	06:12	108	12:05	64S	17:57	252	18:44
2024	Nov	15	(Fri)	05:25	06:13	109	12:05	64S	17:57	251	18:44
2024	Nov	16	(Sat)	05:25	06:13	109	12:05	63S	17:57	251	18:44
2024	Nov	17	(Sun)	05:26	06:13	109	12:05	63S	17:57	251	18:45
2024	Nov	18	(Mon)	05:26	06:14	109	12:05	63S	17:57	251	18:45
2024	Nov	19	(Tue)	05:26	06:14	110	12:06	63S	17:57	250	18:45
2024	Nov	20	(Wed)	05:27	06:14	110	12:06	62S	17:57	250	18:45
2024	Nov	21	(Thu)	05:27	06:15	110	12:06	62S	17:57	250	18:45
2024	Nov	22	(Fri)	05:27	06:15	110	12:06	62S	17:57	250	18:45
2024	Nov	23	(Sat)	05:28	06:16	110	12:07	62S	17:58	249	18:46
2024	Nov	24	(Sun)	05:28	06:16	111	12:07	62S	17:58	249	18:46
2024	Nov	25	(Mon)	05:28	06:16	111	12:07	61S	17:58	249	18:46
2024	Nov	26	(Tue)	05:29	06:17	111	12:07	61S	17:58	249	18:46
2024	Nov	27	(Wed)	05:29	06:17	111	12:08	61S	17:58	249	18:47
2024	Nov	28	(Thu)	05:29	06:18	111	12:08	61S	17:59	248	18:47
2024	Nov	29	(Fri)	05:30	06:18	112	12:08	61S	17:59	248	18:47
2024	Nov	30	(Sat)	05:30	06:19	112	12:09	61S	17:59	248	18:47
2024	Dec	01	(Sun)	05:31	06:19	112	12:09	60S	17:59	248	18:48
2024	Dec	02	(Mon)	05:31	06:20	112	12:10	60S	18:00	248	18:48
2024	Dec	03	(Tue)	05:32	06:20	112	12:10	60S	18:00	248	18:48
2024	Dec	04	(Wed)	05:32	06:21	112	12:10	60S	18:00	248	18:49
2024	Dec	05	(Thu)	05:32	06:21	113	12:11	60S	18:01	247	18:49
2024	Dec	06	(Fri)	05:33	06:22	113	12:11	60S	18:01	247	18:50
2024	Dec	07	(Sat)	05:33	06:22	113	12:12	60S	18:01	247	18:50
2024	Dec	08	(Sun)	05:34	06:23	113	12:12	60S	18:02	247	18:50
2024	Dec	09	(Mon)	05:34	06:23	113	12:13	59S	18:02	247	18:51
2024	Dec	10	(Tue)	05:35	06:24	113	12:13	59S	18:02	247	18:51
2024	Dec	11	(Wed)	05:35	06:24	113	12:13	59S	18:03	247	18:52
2024	Dec	12	(Thu)	05:36	06:25	113	12:14	59S	18:03	247	18:52
2024	Dec	13	(Fri)	05:36	06:25	113	12:14	59S	18:04	247	18:53

2024	Dec	14	(Sat)	05:37	06:26	113	12:15	59S	18:04	247	18:53
2024	Dec	15	(Sun)	05:37	06:26	113	12:15	59S	18:05	247	18:53
2024	Dec	16	(Mon)	05:38	06:27	113	12:16	59S	18:05	247	18:54
2024	Dec	17	(Tue)	05:38	06:27	114	12:16	59S	18:05	246	18:54
2024	Dec	18	(Wed)	05:39	06:28	114	12:17	59S	18:06	246	18:55
2024	Dec	19	(Thu)	05:39	06:28	114	12:17	59S	18:06	246	18:55
2024	Dec	20	(Fri)	05:40	06:29	114	12:18	59S	18:07	246	18:56
2024	Dec	21	(Sat)	05:40	06:29	114	12:18	59S	18:07	246	18:56
2024	Dec	22	(Sun)	05:41	06:30	114	12:19	59S	18:08	246	18:57
2024	Dec	23	(Mon)	05:41	06:30	114	12:19	59S	18:08	246	18:57
2024	Dec	24	(Tue)	05:42	06:31	114	12:20	59S	18:09	246	18:58
2024	Dec	25	(Wed)	05:42	06:31	114	12:20	59S	18:09	246	18:58
2024	Dec	26	(Thu)	05:43	06:32	113	12:21	59S	18:10	247	18:59
2024	Dec	27	(Fri)	05:43	06:32	113	12:21	59S	18:10	247	18:59
2024	Dec	28	(Sat)	05:44	06:33	113	12:22	59S	18:11	247	19:00
2024	Dec	29	(Sun)	05:44	06:33	113	12:22	59S	18:11	247	19:00
2024	Dec	30	(Mon)	05:45	06:33	113	12:23	59S	18:12	247	19:01
2024	Dec	31	(Tue)	05:45	06:34	113	12:23	59S	18:13	247	19:01

Sun

NakhonSiThammarat
Location: E 99°57'57.5", N 8°26'02.3", 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
2024	Jan	01	(Mon)	06:11	06:34	113	12:23	59S	18:13	247	18:35
2024	Jan	02	(Tue)	06:12	06:34	113	12:24	59S	18:13	247	18:36
2024	Jan	03	(Wed)	06:12	06:35	113	12:24	59S	18:14	247	18:36
2024	Jan	04	(Thu)	06:13	06:35	113	12:25	60S	18:14	247	18:37
2024	Jan	05	(Fri)	06:13	06:36	113	12:25	60S	18:15	247	18:37
2024	Jan	06	(Sat)	06:13	06:36	113	12:26	60S	18:15	247	18:38
2024	Jan	07	(Sun)	06:14	06:36	113	12:26	60S	18:16	247	18:38
2024	Jan	08	(Mon)	06:14	06:37	112	12:27	60S	18:16	248	18:39
2024	Jan	09	(Tue)	06:15	06:37	112	12:27	60S	18:17	248	18:39
2024	Jan	10	(Wed)	06:15	06:37	112	12:27	60S	18:17	248	18:40
2024	Jan	11	(Thu)	06:15	06:38	112	12:28	60S	18:18	248	18:40
2024	Jan	12	(Fri)	06:16	06:38	112	12:28	61S	18:18	248	18:41
2024	Jan	13	(Sat)	06:16	06:38	112	12:29	61S	18:19	248	18:41
2024	Jan	14	(Sun)	06:16	06:39	112	12:29	61S	18:19	249	18:42
2024	Jan	15	(Mon)	06:16	06:39	111	12:29	61S	18:20	249	18:42
2024	Jan	16	(Tue)	06:17	06:39	111	12:30	61S	18:20	249	18:43
2024	Jan	17	(Wed)	06:17	06:39	111	12:30	61S	18:21	249	18:43
2024	Jan	18	(Thu)	06:17	06:39	111	12:30	62S	18:21	249	18:43
2024	Jan	19	(Fri)	06:17	06:40	111	12:31	62S	18:22	250	18:44
2024	Jan	20	(Sat)	06:18	06:40	110	12:31	62S	18:22	250	18:44
2024	Jan	21	(Sun)	06:18	06:40	110	12:31	62S	18:23	250	18:45
2024	Jan	22	(Mon)	06:18	06:40	110	12:32	62S	18:23	250	18:45
2024	Jan	23	(Tue)	06:18	06:40	110	12:32	63S	18:23	250	18:45
2024	Jan	24	(Wed)	06:18	06:40	109	12:32	63S	18:24	251	18:46
2024	Jan	25	(Thu)	06:18	06:40	109	12:32	63S	18:24	251	18:46
2024	Jan	26	(Fri)	06:18	06:41	109	12:32	63S	18:25	251	18:47
2024	Jan	27	(Sat)	06:19	06:41	109	12:33	64S	18:25	251	18:47
2024	Jan	28	(Sun)	06:19	06:41	108	12:33	64S	18:25	252	18:47
2024	Jan	29	(Mon)	06:19	06:41	108	12:33	64S	18:26	252	18:48
2024	Jan	30	(Tue)	06:19	06:41	108	12:33	64S	18:26	252	18:48
2024	Jan	31	(Wed)	06:19	06:41	108	12:33	65S	18:26	252	18:48
2024	Feb	01	(Thu)	06:19	06:41	107	12:34	65S	18:27	253	18:48
2024	Feb	02	(Fri)	06:19	06:41	107	12:34	65S	18:27	253	18:49
2024	Feb	03	(Sat)	06:19	06:41	107	12:34	66S	18:27	253	18:49
2024	Feb	04	(Sun)	06:19	06:40	107	12:34	66S	18:28	254	18:49
2024	Feb	05	(Mon)	06:19	06:40	106	12:34	66S	18:28	254	18:50
2024	Feb	06	(Tue)	06:19	06:40	106	12:34	67S	18:28	254	18:50
2024	Feb	07	(Wed)	06:18	06:40	106	12:34	67S	18:28	255	18:50
2024	Feb	08	(Thu)	06:18	06:40	105	12:34	67S	18:29	255	18:50
2024	Feb	09	(Fri)	06:18	06:40	105	12:34	67S	18:29	255	18:50
2024	Feb	10	(Sat)	06:18	06:40	105	12:34	68S	18:29	256	18:51

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

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

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

2024	Sep	14	(Sat)	05:49	06:10	87	12:16	85S	18:21	273	18:42
2024	Sep	15	(Sun)	05:49	06:10	87	12:15	85S	18:20	273	18:41
2024	Sep	16	(Mon)	05:49	06:10	87	12:15	85S	18:20	272	18:40
2024	Sep	17	(Tue)	05:49	06:10	88	12:15	84S	18:19	272	18:40
2024	Sep	18	(Wed)	05:49	06:10	88	12:14	84S	18:18	272	18:39
2024	Sep	19	(Thu)	05:49	06:10	88	12:14	84S	18:18	271	18:39
2024	Sep	20	(Fri)	05:49	06:10	89	12:13	83S	18:17	271	18:38
2024	Sep	21	(Sat)	05:49	06:10	89	12:13	83S	18:17	271	18:38
2024	Sep	22	(Sun)	05:48	06:09	90	12:13	82S	18:16	270	18:37
2024	Sep	23	(Mon)	05:48	06:09	90	12:12	82S	18:15	270	18:36
2024	Sep	24	(Tue)	05:48	06:09	90	12:12	82S	18:15	269	18:36
2024	Sep	25	(Wed)	05:48	06:09	91	12:12	81S	18:14	269	18:35
2024	Sep	26	(Thu)	05:48	06:09	91	12:11	81S	18:14	269	18:35
2024	Sep	27	(Fri)	05:48	06:09	92	12:11	80S	18:13	268	18:34
2024	Sep	28	(Sat)	05:48	06:09	92	12:11	80S	18:13	268	18:34
2024	Sep	29	(Sun)	05:48	06:09	92	12:10	80S	18:12	267	18:33
2024	Sep	30	(Mon)	05:48	06:08	93	12:10	79S	18:11	267	18:32
2024	Oct	01	(Tue)	05:47	06:08	93	12:10	79S	18:11	267	18:32
2024	Oct	02	(Wed)	05:47	06:08	94	12:09	79S	18:10	266	18:31
2024	Oct	03	(Thu)	05:47	06:08	94	12:09	78S	18:10	266	18:31
2024	Oct	04	(Fri)	05:47	06:08	94	12:09	78S	18:09	265	18:30
2024	Oct	05	(Sat)	05:47	06:08	95	12:08	77S	18:09	265	18:30
2024	Oct	06	(Sun)	05:47	06:08	95	12:08	77S	18:08	265	18:29
2024	Oct	07	(Mon)	05:47	06:08	96	12:08	77S	18:08	264	18:29
2024	Oct	08	(Tue)	05:47	06:08	96	12:08	76S	18:07	264	18:28
2024	Oct	09	(Wed)	05:47	06:08	96	12:07	76S	18:07	264	18:28
2024	Oct	10	(Thu)	05:47	06:08	97	12:07	75S	18:06	263	18:27
2024	Oct	11	(Fri)	05:47	06:08	97	12:07	75S	18:06	263	18:27
2024	Oct	12	(Sat)	05:47	06:08	97	12:07	75S	18:05	262	18:26
2024	Oct	13	(Sun)	05:47	06:08	98	12:06	74S	18:05	262	18:26
2024	Oct	14	(Mon)	05:47	06:08	98	12:06	74S	18:04	262	18:25
2024	Oct	15	(Tue)	05:47	06:08	99	12:06	74S	18:04	261	18:25
2024	Oct	16	(Wed)	05:47	06:08	99	12:06	73S	18:04	261	18:25
2024	Oct	17	(Thu)	05:47	06:08	99	12:05	73S	18:03	260	18:24
2024	Oct	18	(Fri)	05:47	06:08	100	12:05	72S	18:03	260	18:24
2024	Oct	19	(Sat)	05:47	06:08	100	12:05	72S	18:02	260	18:23
2024	Oct	20	(Sun)	05:47	06:08	100	12:05	72S	18:02	259	18:23
2024	Oct	21	(Mon)	05:47	06:08	101	12:05	71S	18:02	259	18:23
2024	Oct	22	(Tue)	05:47	06:08	101	12:05	71S	18:01	259	18:22
2024	Oct	23	(Wed)	05:47	06:08	101	12:04	71S	18:01	258	18:22
2024	Oct	24	(Thu)	05:47	06:08	102	12:04	70S	18:00	258	18:22
2024	Oct	25	(Fri)	05:47	06:08	102	12:04	70S	18:00	258	18:22
2024	Oct	26	(Sat)	05:47	06:08	103	12:04	70S	18:00	257	18:21
2024	Oct	27	(Sun)	05:47	06:08	103	12:04	69S	18:00	257	18:21
2024	Oct	28	(Mon)	05:47	06:08	103	12:04	69S	17:59	257	18:21
2024	Oct	29	(Tue)	05:47	06:09	104	12:04	69S	17:59	256	18:20
2024	Oct	30	(Wed)	05:47	06:09	104	12:04	68S	17:59	256	18:20
2024	Oct	31	(Thu)	05:47	06:09	104	12:04	68S	17:59	256	18:20
2024	Nov	01	(Fri)	05:47	06:09	105	12:04	68S	17:58	255	18:20
2024	Nov	02	(Sat)	05:48	06:09	105	12:04	67S	17:58	255	18:20
2024	Nov	03	(Sun)	05:48	06:09	105	12:04	67S	17:58	255	18:20
2024	Nov	04	(Mon)	05:48	06:10	105	12:04	67S	17:58	254	18:19
2024	Nov	05	(Tue)	05:48	06:10	106	12:04	66S	17:58	254	18:19
2024	Nov	06	(Wed)	05:48	06:10	106	12:04	66S	17:57	254	18:19
2024	Nov	07	(Thu)	05:49	06:10	106	12:04	66S	17:57	253	18:19
2024	Nov	08	(Fri)	05:49	06:11	107	12:04	66S	17:57	253	18:19
2024	Nov	09	(Sat)	05:49	06:11	107	12:04	65S	17:57	253	18:19
2024	Nov	10	(Sun)	05:49	06:11	107	12:04	65S	17:57	253	18:19
2024	Nov	11	(Mon)	05:49	06:11	108	12:04	65S	17:57	252	18:19
2024	Nov	12	(Tue)	05:50	06:12	108	12:04	64S	17:57	252	18:19
2024	Nov	13	(Wed)	05:50	06:12	108	12:04	64S	17:57	252	18:19
2024	Nov	14	(Thu)	05:50	06:12	108	12:05	64S	17:57	252	18:19
2024	Nov	15	(Fri)	05:51	06:13	109	12:05	64S	17:57	251	18:19
2024	Nov	16	(Sat)	05:51	06:13	109	12:05	63S	17:57	251	18:19
2024	Nov	17	(Sun)	05:51	06:13	109	12:05	63S	17:57	251	18:19
2024	Nov	18	(Mon)	05:52	06:14	109	12:05	63S	17:57	251	18:19
2024	Nov	19	(Tue)	05:52	06:14	110	12:06	63S	17:57	250	18:19
2024	Nov	20	(Wed)	05:52	06:14	110	12:06	62S	17:57	250	18:19
2024	Nov	21	(Thu)	05:53	06:15	110	12:06	62S	17:57	250	18:19
2024	Nov	22	(Fri)	05:53	06:15	110	12:06	62S	17:57	250	18:20
2024	Nov	23	(Sat)	05:53	06:16	110	12:07	62S	17:58	249	18:20
2024	Nov	24	(Sun)	05:54	06:16	111	12:07	62S	17:58	249	18:20

2024	Nov	25	(Mon)	05:54	06:16	111	12:07	61S	17:58	249	18:20
2024	Nov	26	(Tue)	05:54	06:17	111	12:07	61S	17:58	249	18:20
2024	Nov	27	(Wed)	05:55	06:17	111	12:08	61S	17:58	249	18:21
2024	Nov	28	(Thu)	05:55	06:18	111	12:08	61S	17:59	248	18:21
2024	Nov	29	(Fri)	05:56	06:18	112	12:08	61S	17:59	248	18:21
2024	Nov	30	(Sat)	05:56	06:19	112	12:09	61S	17:59	248	18:21
2024	Dec	01	(Sun)	05:57	06:19	112	12:09	60S	17:59	248	18:22
2024	Dec	02	(Mon)	05:57	06:20	112	12:10	60S	18:00	248	18:22
2024	Dec	03	(Tue)	05:58	06:20	112	12:10	60S	18:00	248	18:22
2024	Dec	04	(Wed)	05:58	06:21	112	12:10	60S	18:00	248	18:23
2024	Dec	05	(Thu)	05:59	06:21	113	12:11	60S	18:01	247	18:23
2024	Dec	06	(Fri)	05:59	06:22	113	12:11	60S	18:01	247	18:23
2024	Dec	07	(Sat)	05:59	06:22	113	12:12	60S	18:01	247	18:24
2024	Dec	08	(Sun)	06:00	06:23	113	12:12	60S	18:02	247	18:24
2024	Dec	09	(Mon)	06:00	06:23	113	12:13	59S	18:02	247	18:25
2024	Dec	10	(Tue)	06:01	06:24	113	12:13	59S	18:02	247	18:25
2024	Dec	11	(Wed)	06:01	06:24	113	12:13	59S	18:03	247	18:25
2024	Dec	12	(Thu)	06:02	06:25	113	12:14	59S	18:03	247	18:26
2024	Dec	13	(Fri)	06:02	06:25	113	12:14	59S	18:04	247	18:26
2024	Dec	14	(Sat)	06:03	06:26	113	12:15	59S	18:04	247	18:27
2024	Dec	15	(Sun)	06:03	06:26	113	12:15	59S	18:05	247	18:27
2024	Dec	16	(Mon)	06:04	06:27	113	12:16	59S	18:05	247	18:28
2024	Dec	17	(Tue)	06:04	06:27	114	12:16	59S	18:05	246	18:28
2024	Dec	18	(Wed)	06:05	06:28	114	12:17	59S	18:06	246	18:29
2024	Dec	19	(Thu)	06:06	06:28	114	12:17	59S	18:06	246	18:29
2024	Dec	20	(Fri)	06:06	06:29	114	12:18	59S	18:07	246	18:30
2024	Dec	21	(Sat)	06:07	06:29	114	12:18	59S	18:07	246	18:30
2024	Dec	22	(Sun)	06:07	06:30	114	12:19	59S	18:08	246	18:31
2024	Dec	23	(Mon)	06:07	06:30	114	12:19	59S	18:08	246	18:31
2024	Dec	24	(Tue)	06:08	06:31	114	12:20	59S	18:09	246	18:32
2024	Dec	25	(Wed)	06:08	06:31	114	12:20	59S	18:09	246	18:32
2024	Dec	26	(Thu)	06:09	06:32	113	12:21	59S	18:10	247	18:33
2024	Dec	27	(Fri)	06:09	06:32	113	12:21	59S	18:10	247	18:33
2024	Dec	28	(Sat)	06:10	06:33	113	12:22	59S	18:11	247	18:34
2024	Dec	29	(Sun)	06:10	06:33	113	12:22	59S	18:11	247	18:34
2024	Dec	30	(Mon)	06:11	06:33	113	12:23	59S	18:12	247	18:35
2024	Dec	31	(Tue)	06:11	06:34	113	12:23	59S	18:13	247	18:35

Moon

NakhonSiThammarat
Location: E 99°57'57.5", N 8°26'02.3", 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)	22:36	81		04:11	86N		10:29	282	
2024 Jan 02 (Tue)	23:19	86		04:52	90S		11:05	276	
2024 Jan 03 (Wed)				05:31	84S		11:41	271	
2024 Jan 04 (Thu)	00:02	92		06:10	78S		12:16	265	
2024 Jan 05 (Fri)	00:45	98		06:50	73S		12:54	259	
2024 Jan 06 (Sat)	01:31	104		07:33	67S		13:34	254	
2024 Jan 07 (Sun)	02:20	109		08:20	62S		14:18	249	
2024 Jan 08 (Mon)	03:14	113		09:12	58S		15:08	245	
2024 Jan 09 (Tue)	04:12	117		10:09	55S		16:05	242	
2024 Jan 10 (Wed)	05:14	118		11:10	54S		17:06	241	
2024 Jan 11 (Thu)	06:18	118		12:14	54S		18:11	243	
2024 Jan 12 (Fri)	07:19	116		13:17	57S		19:16	246	
2024 Jan 13 (Sat)	08:16	111		14:17	62S		20:18	251	
2024 Jan 14 (Sun)	09:09	106		15:12	68S		21:17	258	
2024 Jan 15 (Mon)	09:57	99		16:03	75S		22:12	265	
2024 Jan 16 (Tue)	10:42	92		16:52	82S		23:04	272	
2024 Jan 17 (Wed)	11:25	85		17:40	89S		23:56	278	
2024 Jan 18 (Thu)	12:09	78		18:28	86N				
2024 Jan 19 (Fri)	12:54	72		19:17	80N		00:49	285	
2024 Jan 20 (Sat)	13:42	68		20:09	76N		01:42	290	
2024 Jan 21 (Sun)	14:33	64		21:03	72N		02:37	294	
2024 Jan 22 (Mon)	15:26	62		21:58	71N		03:34	297	
2024 Jan 23 (Tue)	16:21	62		22:53	71N		04:30	298	

2024	Jan	24	(Wed)	17:16	63	23:46	72N	05:25	298
2024	Jan	25	(Thu)	18:09	65			06:16	296
2024	Jan	26	(Fri)	19:00	69	00:37	75N	07:03	293
2024	Jan	27	(Sat)	19:47	74	01:24	79N	07:46	289
2024	Jan	28	(Sun)	20:32	79	02:08	84N	08:26	284
2024	Jan	29	(Mon)	21:15	84	02:49	89N	09:03	278
2024	Jan	30	(Tue)	21:58	90	03:28	86S	09:39	273
2024	Jan	31	(Wed)	22:40	96	04:07	80S	10:14	267
2024	Feb	01	(Thu)	23:24	102	04:46	75S	10:50	261
2024	Feb	02	(Fri)			05:27	69S	11:29	256
2024	Feb	03	(Sat)	00:11	107	06:11	64S	12:10	251
2024	Feb	04	(Sun)	01:01	112	06:59	59S	12:56	246
2024	Feb	05	(Mon)	01:56	116	07:52	56S	13:48	243
2024	Feb	06	(Tue)	02:55	118	08:50	54S	14:46	241
2024	Feb	07	(Wed)	03:57	119	09:52	54S	15:49	242
2024	Feb	08	(Thu)	04:59	117	10:56	55S	16:54	244
2024	Feb	09	(Fri)	05:58	114	11:57	59S	17:58	248
2024	Feb	10	(Sat)	06:54	109	12:56	65S	18:59	254
2024	Feb	11	(Sun)	07:46	102	13:51	72S	19:58	261
2024	Feb	12	(Mon)	08:33	95	14:42	79S	20:54	269
2024	Feb	13	(Tue)	09:19	88	15:33	86S	21:48	276
2024	Feb	14	(Wed)	10:05	81	16:22	88N	22:42	283
2024	Feb	15	(Thu)	10:51	74	17:13	82N	23:37	289
2024	Feb	16	(Fri)	11:39	69	18:05	77N		
2024	Feb	17	(Sat)	12:29	65	18:58	73N	00:32	293
2024	Feb	18	(Sun)	13:22	62	19:54	71N	01:29	297
2024	Feb	19	(Mon)	14:16	61	20:49	70N	02:26	298
2024	Feb	20	(Tue)	15:11	62	21:42	72N	03:21	299
2024	Feb	21	(Wed)	16:05	64	22:33	74N	04:13	297
2024	Feb	22	(Thu)	16:56	68	23:21	78N	05:01	294
2024	Feb	23	(Fri)	17:44	72			05:45	290
2024	Feb	24	(Sat)	18:29	77	00:05	82N	06:25	286
2024	Feb	25	(Sun)	19:13	83	00:47	88N	07:03	280
2024	Feb	26	(Mon)	19:56	88	01:27	88S	07:39	275
2024	Feb	27	(Tue)	20:38	94	02:06	82S	08:14	269
2024	Feb	28	(Wed)	21:21	100	02:45	77S	08:50	263
2024	Feb	29	(Thu)	22:06	105	03:25	71S	09:27	257
2024	Mar	01	(Fri)	22:54	110	04:07	65S	10:07	252
2024	Mar	02	(Sat)	23:46	114	04:53	61S	10:50	248
2024	Mar	03	(Sun)			05:43	57S	11:38	244
2024	Mar	04	(Mon)	00:42	117	06:37	54S	12:32	242
2024	Mar	05	(Tue)	01:41	119	07:36	53S	13:31	241
2024	Mar	06	(Wed)	02:41	118	08:37	54S	14:33	243
2024	Mar	07	(Thu)	03:40	116	09:37	57S	15:36	246
2024	Mar	08	(Fri)	04:37	112	10:37	62S	16:38	251
2024	Mar	09	(Sat)	05:30	106	11:33	68S	17:38	257
2024	Mar	10	(Sun)	06:19	99	12:26	75S	18:35	265
2024	Mar	11	(Mon)	07:07	91	13:18	83S	19:32	272
2024	Mar	12	(Tue)	07:54	84	14:09	90S	20:28	280
2024	Mar	13	(Wed)	08:41	77	15:01	84N	21:24	286
2024	Mar	14	(Thu)	09:30	71	15:55	79N	22:22	292
2024	Mar	15	(Fri)	10:21	66	16:50	74N	23:20	296
2024	Mar	16	(Sat)	11:15	63	17:46	71N		
2024	Mar	17	(Sun)	12:10	61	18:43	70N	00:19	298
2024	Mar	18	(Mon)	13:06	61	19:38	71N	01:16	299
2024	Mar	19	(Tue)	14:00	63	20:30	73N	02:09	298
2024	Mar	20	(Wed)	14:52	66	21:19	76N	02:59	295
2024	Mar	21	(Thu)	15:41	70	22:04	81N	03:44	292
2024	Mar	22	(Fri)	16:27	75	22:46	86N	04:25	287
2024	Mar	23	(Sat)	17:11	81	23:27	90S	05:04	282
2024	Mar	24	(Sun)	17:54	86			05:40	276
2024	Mar	25	(Mon)	18:37	92	00:06	84S	06:15	271
2024	Mar	26	(Tue)	19:20	98	00:45	78S	06:51	265
2024	Mar	27	(Wed)	20:04	104	01:24	73S	07:27	259
2024	Mar	28	(Thu)	20:51	109	02:06	67S	08:06	254
2024	Mar	29	(Fri)	21:42	113	02:51	62S	08:48	249
2024	Mar	30	(Sat)	22:36	117	03:39	58S	09:35	245
2024	Mar	31	(Sun)	23:32	119	04:31	55S	10:26	242
2024	Apr	01	(Mon)			05:27	53S	11:22	241
2024	Apr	02	(Tue)	00:31	119	06:26	53S	12:21	242
2024	Apr	03	(Wed)	01:28	117	07:25	55S	13:22	244
2024	Apr	04	(Thu)	02:24	114	08:22	59S	14:22	248

2024 Apr 05 (Fri)	03:17 109	09:18 65S	15:21 254
2024 Apr 06 (Sat)	04:06 103	10:11 71S	16:18 261
2024 Apr 07 (Sun)	04:54 95	11:02 79S	17:13 268
2024 Apr 08 (Mon)	05:40 88	11:53 86S	18:09 276
2024 Apr 09 (Tue)	06:27 81	12:45 88N	19:06 283
2024 Apr 10 (Wed)	07:16 74	13:39 81N	20:04 289
2024 Apr 11 (Thu)	08:07 68	14:35 76N	21:04 294
2024 Apr 12 (Fri)	09:02 64	15:33 72N	22:05 297
2024 Apr 13 (Sat)	09:59 62	16:31 70N	23:05 299
2024 Apr 14 (Sun)	10:56 61	17:29 70N	
2024 Apr 15 (Mon)	11:53 62	18:24 72N	00:01 298
2024 Apr 16 (Tue)	12:46 65	19:14 75N	00:53 296
2024 Apr 17 (Wed)	13:37 69	20:01 79N	01:41 293
2024 Apr 18 (Thu)	14:24 73	20:45 84N	02:24 289
2024 Apr 19 (Fri)	15:09 79	21:25 89N	03:03 284
2024 Apr 20 (Sat)	15:52 84	22:05 86S	03:40 278
2024 Apr 21 (Sun)	16:34 90	22:44 80S	04:16 273
2024 Apr 22 (Mon)	17:17 96	23:23 75S	04:51 267
2024 Apr 23 (Tue)	18:01 102		05:27 261
2024 Apr 24 (Wed)	18:48 107	00:04 69S	06:06 255
2024 Apr 25 (Thu)	19:38 112	00:48 64S	06:47 250
2024 Apr 26 (Fri)	20:31 116	01:36 59S	07:32 246
2024 Apr 27 (Sat)	21:27 118	02:27 56S	08:22 243
2024 Apr 28 (Sun)	22:25 119	03:22 54S	09:17 241
2024 Apr 29 (Mon)	23:23 118	04:20 53S	10:15 241
2024 Apr 30 (Tue)		05:18 55S	11:14 243
2024 May 01 (Wed)	00:18 115	06:15 58S	12:14 247
2024 May 02 (Thu)	01:10 111	07:10 63S	13:11 252
2024 May 03 (Fri)	01:59 105	08:02 68S	14:07 258
2024 May 04 (Sat)	02:46 99	08:52 75S	15:01 265
2024 May 05 (Sun)	03:31 91	09:41 83S	15:55 272
2024 May 06 (Mon)	04:16 84	10:31 90S	16:49 280
2024 May 07 (Tue)	05:03 77	11:23 85N	17:46 286
2024 May 08 (Wed)	05:52 71	12:18 79N	18:45 292
2024 May 09 (Thu)	06:46 66	13:15 74N	19:46 296
2024 May 10 (Fri)	07:42 63	14:15 71N	20:48 298
2024 May 11 (Sat)	08:41 61	15:14 70N	21:48 299
2024 May 12 (Sun)	09:40 62	16:12 71N	22:43 297
2024 May 13 (Mon)	10:36 64	17:06 74N	23:34 295
2024 May 14 (Tue)	11:29 67	17:55 77N	
2024 May 15 (Wed)	12:18 72	18:40 82N	00:19 291
2024 May 16 (Thu)	13:04 77	19:22 87N	01:00 286
2024 May 17 (Fri)	13:48 82	20:02 88S	01:38 280
2024 May 18 (Sat)	14:31 88	20:41 83S	02:14 275
2024 May 19 (Sun)	15:13 94	21:20 77S	02:50 269
2024 May 20 (Mon)	15:57 100	22:01 71S	03:26 263
2024 May 21 (Tue)	16:43 105	22:44 65S	04:03 257
2024 May 22 (Wed)	17:32 110	23:30 61S	04:43 252
2024 May 23 (Thu)	18:24 114		05:28 248
2024 May 24 (Fri)	19:20 117	00:21 57S	06:17 244
2024 May 25 (Sat)	20:19 119	01:16 54S	07:11 242
2024 May 26 (Sun)	21:18 118	02:14 53S	08:09 241
2024 May 27 (Mon)	22:14 116	03:13 54S	09:09 243
2024 May 28 (Tue)	23:07 112	04:11 57S	10:09 246
2024 May 29 (Wed)	23:57 107	05:06 61S	11:06 250
2024 May 30 (Thu)		05:58 67S	12:02 256
2024 May 31 (Fri)	00:43 101	06:48 73S	12:55 263
2024 Jun 01 (Sat)	01:27 94	07:36 80S	13:47 270
2024 Jun 02 (Sun)	02:11 87	08:24 87S	14:40 277
2024 Jun 03 (Mon)	02:55 80	09:13 87N	15:34 284
2024 Jun 04 (Tue)	03:42 73	10:05 81N	16:31 290
2024 Jun 05 (Wed)	04:33 68	11:00 76N	17:30 294
2024 Jun 06 (Thu)	05:27 64	11:59 72N	18:31 297
2024 Jun 07 (Fri)	06:25 62	12:58 71N	19:32 299
2024 Jun 08 (Sat)	07:25 61	13:58 71N	20:30 298
2024 Jun 09 (Sun)	08:23 63	14:54 73N	21:24 296
2024 Jun 10 (Mon)	09:18 66	15:46 76N	22:12 292
2024 Jun 11 (Tue)	10:10 70	16:34 80N	22:55 288
2024 Jun 12 (Wed)	10:58 75	17:17 85N	23:35 282
2024 Jun 13 (Thu)	11:43 80	17:58 91S	
2024 Jun 14 (Fri)	12:26 86	18:37 85S	00:12 277
2024 Jun 15 (Sat)	13:08 92	19:16 79S	00:47 271

2024	Jun	16	(Sun)	13:51	98	19:56	73S	01:23	265
2024	Jun	17	(Mon)	14:36	103	20:38	68S	01:59	260
2024	Jun	18	(Tue)	15:23	108	21:23	62S	02:38	254
2024	Jun	19	(Wed)	16:14	113	22:12	58S	03:21	249
2024	Jun	20	(Thu)	17:09	116	23:05	55S	04:08	245
2024	Jun	21	(Fri)	18:08	118			05:01	242
2024	Jun	22	(Sat)	19:08	119	00:03	53S	05:58	241
2024	Jun	23	(Sun)	20:07	117	01:03	54S	06:59	242
2024	Jun	24	(Mon)	21:02	113	02:03	56S	08:00	245
2024	Jun	25	(Tue)	21:54	108	03:01	60S	09:00	249
2024	Jun	26	(Wed)	22:41	102	03:55	65S	09:57	254
2024	Jun	27	(Thu)	23:26	96	04:46	71S	10:52	261
2024	Jun	28	(Fri)			05:34	78S	11:44	268
2024	Jun	29	(Sat)	00:10	89	06:22	85S	12:36	275
2024	Jun	30	(Sun)	00:53	82	07:10	89N	13:29	282
2024	Jul	01	(Mon)	01:38	75	08:00	83N	14:23	288
2024	Jul	02	(Tue)	02:27	70	08:52	78N	15:20	293
2024	Jul	03	(Wed)	03:18	65	09:48	73N	16:19	296
2024	Jul	04	(Thu)	04:14	62	10:46	71N	17:19	298
2024	Jul	05	(Fri)	05:12	61	11:45	70N	18:18	299
2024	Jul	06	(Sat)	06:11	62	12:43	72N	19:14	297
2024	Jul	07	(Sun)	07:07	64	13:36	74N	20:04	294
2024	Jul	08	(Mon)	08:01	68	14:26	78N	20:50	290
2024	Jul	09	(Tue)	08:50	73	15:11	83N	21:31	285
2024	Jul	10	(Wed)	09:36	78	15:54	89N	22:09	279
2024	Jul	11	(Thu)	10:20	84	16:34	87S	22:45	273
2024	Jul	12	(Fri)	11:03	90	17:12	81S	23:20	267
2024	Jul	13	(Sat)	11:45	95	17:51	75S	23:56	262
2024	Jul	14	(Sun)	12:29	101	18:32	70S		
2024	Jul	15	(Mon)	13:14	107	19:15	64S	00:33	256
2024	Jul	16	(Tue)	14:03	111	20:01	60S	01:14	251
2024	Jul	17	(Wed)	14:56	115	20:53	56S	01:58	247
2024	Jul	18	(Thu)	15:53	118	21:48	54S	02:48	243
2024	Jul	19	(Fri)	16:53	119	22:48	53S	03:44	242
2024	Jul	20	(Sat)	17:53	118	23:49	55S	04:43	241
2024	Jul	21	(Sun)	18:51	115			05:46	243
2024	Jul	22	(Mon)	19:45	110	00:49	58S	06:48	247
2024	Jul	23	(Tue)	20:36	105	01:46	63S	07:48	252
2024	Jul	24	(Wed)	21:23	98	02:39	69S	08:44	259
2024	Jul	25	(Thu)	22:08	91	03:30	76S	09:39	266
2024	Jul	26	(Fri)	22:52	84	04:19	83S	10:32	273
2024	Jul	27	(Sat)	23:37	77	05:07	90S	11:25	280
2024	Jul	28	(Sun)			05:57	84N	12:19	286
2024	Jul	29	(Mon)	00:24	71	06:49	79N	13:15	292
2024	Jul	30	(Tue)	01:14	66	07:43	74N	14:13	296
2024	Jul	31	(Wed)	02:08	63	08:40	71N	15:12	298
2024	Aug	01	(Thu)	03:05	61	09:38	70N	16:11	299
2024	Aug	02	(Fri)	04:02	62	10:35	71N	17:06	298
2024	Aug	03	(Sat)	04:59	63	11:29	73N	17:58	295
2024	Aug	04	(Sun)	05:53	67	12:20	77N	18:45	291
2024	Aug	05	(Mon)	06:44	71	13:07	81N	19:27	286
2024	Aug	06	(Tue)	07:31	76	13:50	87N	20:06	281
2024	Aug	07	(Wed)	08:16	82	14:30	89S	20:43	275
2024	Aug	08	(Thu)	08:59	88	15:10	83S	21:19	269
2024	Aug	09	(Fri)	09:41	93	15:48	77S	21:54	264
2024	Aug	10	(Sat)	10:24	99	16:28	72S	22:30	258
2024	Aug	11	(Sun)	11:08	105	17:09	66S	23:09	253
2024	Aug	12	(Mon)	11:55	110	17:53	61S	23:51	248
2024	Aug	13	(Tue)	12:45	114	18:42	57S		
2024	Aug	14	(Wed)	13:39	117	19:34	55S	00:37	245
2024	Aug	15	(Thu)	14:37	119	20:31	53S	01:29	242
2024	Aug	16	(Fri)	15:36	119	21:31	54S	02:26	241
2024	Aug	17	(Sat)	16:35	117	22:31	56S	03:27	242
2024	Aug	18	(Sun)	17:31	113	23:30	60S	04:29	245
2024	Aug	19	(Mon)	18:24	108			05:31	249
2024	Aug	20	(Tue)	19:14	101	00:26	66S	06:30	256
2024	Aug	21	(Wed)	20:01	94	01:19	73S	07:27	263
2024	Aug	22	(Thu)	20:46	86	02:10	80S	08:22	270
2024	Aug	23	(Fri)	21:32	79	03:01	88S	09:17	277
2024	Aug	24	(Sat)	22:20	73	03:51	87N	10:12	284
2024	Aug	25	(Sun)	23:10	67	04:44	80N	11:09	290
2024	Aug	26	(Mon)			05:38	75N	12:08	295

2024 Aug 27 (Tue)	00:04 64	06:35 72N	13:07 298
2024 Aug 28 (Wed)	01:00 61	07:33 70N	14:06 299
2024 Aug 29 (Thu)	01:57 61	08:30 70N	15:02 298
2024 Aug 30 (Fri)	02:54 63	09:25 72N	15:55 296
2024 Aug 31 (Sat)	03:48 65	10:16 75N	16:42 293
2024 Sep 01 (Sun)	04:40 69	11:04 80N	17:26 288
2024 Sep 02 (Mon)	05:28 74	11:48 85N	18:06 283
2024 Sep 03 (Tue)	06:13 80	12:29 90N	18:43 277
2024 Sep 04 (Wed)	06:56 86	13:08 85S	19:18 271
2024 Sep 05 (Thu)	07:38 91	13:47 79S	19:54 266
2024 Sep 06 (Fri)	08:21 97	14:26 73S	20:29 260
2024 Sep 07 (Sat)	09:04 103	15:06 68S	21:07 255
2024 Sep 08 (Sun)	09:50 108	15:49 63S	21:47 250
2024 Sep 09 (Mon)	10:38 112	16:35 59S	22:31 246
2024 Sep 10 (Tue)	11:30 116	17:25 55S	23:20 243
2024 Sep 11 (Wed)	12:24 118	18:19 53S	
2024 Sep 12 (Thu)	13:22 119	19:16 53S	00:13 241
2024 Sep 13 (Fri)	14:19 118	20:15 55S	01:11 241
2024 Sep 14 (Sat)	15:15 115	21:13 58S	02:11 243
2024 Sep 15 (Sun)	16:09 111	22:09 63S	03:12 247
2024 Sep 16 (Mon)	17:00 105	23:04 69S	04:11 252
2024 Sep 17 (Tue)	17:48 97	23:56 76S	05:09 259
2024 Sep 18 (Wed)	18:35 90		06:06 266
2024 Sep 19 (Thu)	19:22 82	00:47 84S	07:02 274
2024 Sep 20 (Fri)	20:11 75	01:39 90N	07:59 281
2024 Sep 21 (Sat)	21:02 69	02:33 83N	08:57 288
2024 Sep 22 (Sun)	21:56 65	03:28 77N	09:57 293
2024 Sep 23 (Mon)	22:53 62	04:26 73N	10:58 297
2024 Sep 24 (Tue)	23:51 61	05:26 71N	11:59 299
2024 Sep 25 (Wed)		06:24 70N	12:57 299
2024 Sep 26 (Thu)	00:49 62	07:21 71N	13:52 297
2024 Sep 27 (Fri)	01:44 64	08:13 74N	14:41 294
2024 Sep 28 (Sat)	02:37 68	09:02 78N	15:25 290
2024 Sep 29 (Sun)	03:25 73	09:47 83N	16:06 285
2024 Sep 30 (Mon)	04:11 78	10:28 89N	16:44 279
2024 Oct 01 (Tue)	04:55 84	11:08 87S	17:19 273
2024 Oct 02 (Wed)	05:37 90	11:47 81S	17:55 268
2024 Oct 03 (Thu)	06:19 95	12:26 75S	18:30 262
2024 Oct 04 (Fri)	07:02 101	13:05 70S	19:07 256
2024 Oct 05 (Sat)	07:47 106	13:47 64S	19:46 251
2024 Oct 06 (Sun)	08:34 111	14:32 60S	20:29 247
2024 Oct 07 (Mon)	09:25 115	15:21 56S	21:15 244
2024 Oct 08 (Tue)	10:18 118	16:12 54S	22:06 242
2024 Oct 09 (Wed)	11:13 119	17:07 53S	23:01 241
2024 Oct 10 (Thu)	12:09 119	18:04 54S	23:59 242
2024 Oct 11 (Fri)	13:04 117	19:00 56S	
2024 Oct 12 (Sat)	13:57 113	19:55 60S	00:57 245
2024 Oct 13 (Sun)	14:47 108	20:49 66S	01:55 250
2024 Oct 14 (Mon)	15:35 101	21:40 73S	02:52 255
2024 Oct 15 (Tue)	16:22 94	22:31 80S	03:48 262
2024 Oct 16 (Wed)	17:08 86	23:23 88S	04:43 270
2024 Oct 17 (Thu)	17:56 79		05:39 277
2024 Oct 18 (Fri)	18:47 72	00:16 86N	06:37 285
2024 Oct 19 (Sat)	19:41 67	01:11 80N	07:38 291
2024 Oct 20 (Sun)	20:39 63	02:10 75N	08:41 295
2024 Oct 21 (Mon)	21:39 61	03:11 71N	09:45 298
2024 Oct 22 (Tue)	22:39 61	04:13 70N	10:47 299
2024 Oct 23 (Wed)	23:37 63	05:12 71N	11:44 298
2024 Oct 24 (Thu)		06:08 73N	12:37 295
2024 Oct 25 (Fri)	00:32 67	06:58 77N	13:23 291
2024 Oct 26 (Sat)	01:22 71	07:45 82N	14:05 286
2024 Oct 27 (Sun)	02:09 76	08:27 87N	14:44 281
2024 Oct 28 (Mon)	02:53 82	09:08 89S	15:20 275
2024 Oct 29 (Tue)	03:36 88	09:46 83S	15:55 269
2024 Oct 30 (Wed)	04:18 93	10:25 77S	16:31 264
2024 Oct 31 (Thu)	05:01 99	11:05 71S	17:07 258
2024 Nov 01 (Fri)	05:45 105	11:46 66S	17:46 253
2024 Nov 02 (Sat)	06:32 110	12:30 61S	18:27 248
2024 Nov 03 (Sun)	07:21 114	13:18 57S	19:13 245
2024 Nov 04 (Mon)	08:14 117	14:09 55S	20:03 242
2024 Nov 05 (Tue)	09:08 119	15:03 53S	20:57 241
2024 Nov 06 (Wed)	10:04 119	15:58 53S	21:53 242

2024 Nov 07 (Thu)	10:59 117	16:54 55S	22:50 244
2024 Nov 08 (Fri)	11:51 114	17:48 59S	23:47 248
2024 Nov 09 (Sat)	12:41 110	18:40 64S	
2024 Nov 10 (Sun)	13:28 104	19:31 70S	00:42 253
2024 Nov 11 (Mon)	14:13 97	20:20 77S	01:36 259
2024 Nov 12 (Tue)	14:57 90	21:09 84S	02:29 266
2024 Nov 13 (Wed)	15:43 83	21:59 90N	03:23 274
2024 Nov 14 (Thu)	16:31 76	22:53 83N	04:18 281
2024 Nov 15 (Fri)	17:23 70	23:50 77N	05:17 288
2024 Nov 16 (Sat)	18:19 65		06:19 293
2024 Nov 17 (Sun)	19:20 62	00:51 73N	07:23 297
2024 Nov 18 (Mon)	20:22 61	01:54 71N	08:28 299
2024 Nov 19 (Tue)	21:23 62	02:56 70N	09:30 298
2024 Nov 20 (Wed)	22:21 65	03:55 72N	10:26 296
2024 Nov 21 (Thu)	23:15 69	04:50 75N	11:17 293
2024 Nov 22 (Fri)		05:39 80N	12:01 288
2024 Nov 23 (Sat)	00:04 74	06:24 85N	12:42 283
2024 Nov 24 (Sun)	00:49 80	07:05 91N	13:19 277
2024 Nov 25 (Mon)	01:33 86	07:45 85S	13:55 271
2024 Nov 26 (Tue)	02:15 91	08:23 79S	14:30 266
2024 Nov 27 (Wed)	02:57 97	09:02 73S	15:06 260
2024 Nov 28 (Thu)	03:41 103	09:43 68S	15:44 255
2024 Nov 29 (Fri)	04:27 108	10:26 63S	16:24 250
2024 Nov 30 (Sat)	05:16 112	11:13 59S	17:09 246
2024 Dec 01 (Sun)	06:08 116	12:03 55S	17:58 243
2024 Dec 02 (Mon)	07:03 118	12:57 54S	18:52 241
2024 Dec 03 (Tue)	07:59 119	13:53 53S	19:48 241
2024 Dec 04 (Wed)	08:55 118	14:50 55S	20:46 243
2024 Dec 05 (Thu)	09:48 115	15:45 58S	21:43 247
2024 Dec 06 (Fri)	10:38 111	16:37 62S	22:38 252
2024 Dec 07 (Sat)	11:25 106	17:27 68S	23:31 257
2024 Dec 08 (Sun)	12:10 99	18:15 74S	
2024 Dec 09 (Mon)	12:53 93	19:02 81S	00:23 264
2024 Dec 10 (Tue)	13:36 85	19:50 88S	01:14 271
2024 Dec 11 (Wed)	14:21 79	20:40 86N	02:07 278
2024 Dec 12 (Thu)	15:10 72	21:34 80N	03:02 285
2024 Dec 13 (Fri)	16:03 67	22:32 75N	04:00 291
2024 Dec 14 (Sat)	17:00 63	23:33 72N	05:02 295
2024 Dec 15 (Sun)	18:02 61		06:07 298
2024 Dec 16 (Mon)	19:04 62	00:36 70N	07:10 299
2024 Dec 17 (Tue)	20:05 64	01:38 71N	08:10 297
2024 Dec 18 (Wed)	21:02 68	02:36 74N	09:05 294
2024 Dec 19 (Thu)	21:54 72	03:28 78N	09:53 290
2024 Dec 20 (Fri)	22:42 78	04:16 83N	10:36 285
2024 Dec 21 (Sat)	23:27 83	05:00 88N	11:16 279
2024 Dec 22 (Sun)		05:41 87S	11:52 274
2024 Dec 23 (Mon)	00:10 89	06:20 81S	12:28 268
2024 Dec 24 (Tue)	00:52 95	06:59 75S	13:03 262
2024 Dec 25 (Wed)	01:36 101	07:39 70S	13:40 256
2024 Dec 26 (Thu)	02:20 106	08:21 65S	14:20 251
2024 Dec 27 (Fri)	03:08 111	09:06 60S	15:03 247
2024 Dec 28 (Sat)	03:59 115	09:55 57S	15:50 244
2024 Dec 29 (Sun)	04:53 117	10:48 54S	16:42 242
2024 Dec 30 (Mon)	05:49 119	11:44 53S	17:39 241
2024 Dec 31 (Tue)	06:46 118	12:41 54S	18:37 243