

Sun

Songkhla

Location: E100°35'16.7", N 7°06'18.0", 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)	05:40	06:29	113	12:21	61S	18:12	247	19:01
2024	Jan	02 (Tue)	05:41	06:30	113	12:21	61S	18:13	247	19:02
2024	Jan	03 (Wed)	05:41	06:30	113	12:22	61S	18:13	247	19:02
2024	Jan	04 (Thu)	05:42	06:30	113	12:22	61S	18:14	247	19:03
2024	Jan	05 (Fri)	05:42	06:31	113	12:23	61S	18:15	247	19:03
2024	Jan	06 (Sat)	05:43	06:31	113	12:23	61S	18:15	247	19:04
2024	Jan	07 (Sun)	05:43	06:32	113	12:24	61S	18:16	248	19:04
2024	Jan	08 (Mon)	05:44	06:32	112	12:24	61S	18:16	248	19:05
2024	Jan	09 (Tue)	05:44	06:32	112	12:24	61S	18:17	248	19:05
2024	Jan	10 (Wed)	05:44	06:33	112	12:25	62S	18:17	248	19:05
2024	Jan	11 (Thu)	05:45	06:33	112	12:25	62S	18:18	248	19:06
2024	Jan	12 (Fri)	05:45	06:33	112	12:26	62S	18:18	248	19:06
2024	Jan	13 (Sat)	05:45	06:34	112	12:26	62S	18:18	248	19:07
2024	Jan	14 (Sun)	05:46	06:34	111	12:26	62S	18:19	249	19:07
2024	Jan	15 (Mon)	05:46	06:34	111	12:27	62S	18:19	249	19:08
2024	Jan	16 (Tue)	05:46	06:34	111	12:27	63S	18:20	249	19:08
2024	Jan	17 (Wed)	05:47	06:35	111	12:27	63S	18:20	249	19:08
2024	Jan	18 (Thu)	05:47	06:35	111	12:28	63S	18:21	249	19:09
2024	Jan	19 (Fri)	05:47	06:35	111	12:28	63S	18:21	250	19:09
2024	Jan	20 (Sat)	05:48	06:35	110	12:28	63S	18:22	250	19:09
2024	Jan	21 (Sun)	05:48	06:36	110	12:29	64S	18:22	250	19:10
2024	Jan	22 (Mon)	05:48	06:36	110	12:29	64S	18:22	250	19:10
2024	Jan	23 (Tue)	05:48	06:36	110	12:29	64S	18:23	250	19:10
2024	Jan	24 (Wed)	05:48	06:36	109	12:30	64S	18:23	251	19:11
2024	Jan	25 (Thu)	05:49	06:36	109	12:30	65S	18:24	251	19:11
2024	Jan	26 (Fri)	05:49	06:36	109	12:30	65S	18:24	251	19:11
2024	Jan	27 (Sat)	05:49	06:36	109	12:30	65S	18:24	251	19:12
2024	Jan	28 (Sun)	05:49	06:36	108	12:30	65S	18:25	252	19:12
2024	Jan	29 (Mon)	05:49	06:36	108	12:31	66S	18:25	252	19:12
2024	Jan	30 (Tue)	05:49	06:36	108	12:31	66S	18:25	252	19:12
2024	Jan	31 (Wed)	05:49	06:36	108	12:31	66S	18:26	253	19:13
2024	Feb	01 (Thu)	05:49	06:36	107	12:31	66S	18:26	253	19:13
2024	Feb	02 (Fri)	05:50	06:36	107	12:31	67S	18:26	253	19:13
2024	Feb	03 (Sat)	05:50	06:36	107	12:31	67S	18:26	253	19:13
2024	Feb	04 (Sun)	05:50	06:36	106	12:31	67S	18:27	254	19:13
2024	Feb	05 (Mon)	05:50	06:36	106	12:32	68S	18:27	254	19:14
2024	Feb	06 (Tue)	05:50	06:36	106	12:32	68S	18:27	254	19:14
2024	Feb	07 (Wed)	05:50	06:36	106	12:32	68S	18:27	255	19:14
2024	Feb	08 (Thu)	05:50	06:36	105	12:32	68S	18:28	255	19:14
2024	Feb	09 (Fri)	05:49	06:36	105	12:32	69S	18:28	255	19:14
2024	Feb	10 (Sat)	05:49	06:36	105	12:32	69S	18:28	256	19:14
2024	Feb	11 (Sun)	05:49	06:36	104	12:32	69S	18:28	256	19:14
2024	Feb	12 (Mon)	05:49	06:35	104	12:32	70S	18:28	256	19:15
2024	Feb	13 (Tue)	05:49	06:35	104	12:32	70S	18:28	257	19:15
2024	Feb	14 (Wed)	05:49	06:35	103	12:32	70S	18:29	257	19:15
2024	Feb	15 (Thu)	05:49	06:35	103	12:32	71S	18:29	257	19:15
2024	Feb	16 (Fri)	05:49	06:35	103	12:32	71S	18:29	258	19:15
2024	Feb	17 (Sat)	05:49	06:34	102	12:32	71S	18:29	258	19:15
2024	Feb	18 (Sun)	05:48	06:34	102	12:32	72S	18:29	258	19:15
2024	Feb	19 (Mon)	05:48	06:34	102	12:32	72S	18:29	259	19:15
2024	Feb	20 (Tue)	05:48	06:34	101	12:31	73S	18:29	259	19:15
2024	Feb	21 (Wed)	05:48	06:33	101	12:31	73S	18:29	259	19:15
2024	Feb	22 (Thu)	05:47	06:33	100	12:31	73S	18:29	260	19:15
2024	Feb	23 (Fri)	05:47	06:33	100	12:31	74S	18:29	260	19:15
2024	Feb	24 (Sat)	05:47	06:32	100	12:31	74S	18:29	260	19:15
2024	Feb	25 (Sun)	05:47	06:32	99	12:31	74S	18:30	261	19:15
2024	Feb	26 (Mon)	05:46	06:32	99	12:31	75S	18:30	261	19:15
2024	Feb	27 (Tue)	05:46	06:31	99	12:30	75S	18:30	262	19:15
2024	Feb	28 (Wed)	05:46	06:31	98	12:30	75S	18:30	262	19:15
2024	Feb	29 (Thu)	05:45	06:31	98	12:30	76S	18:30	262	19:15

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

2024	May	12	(Sun)	05:13	06:01	72	12:14	80N	18:27	289	19:15
2024	May	13	(Mon)	05:13	06:01	71	12:14	79N	18:27	289	19:15
2024	May	14	(Tue)	05:13	06:01	71	12:14	79N	18:27	289	19:15
2024	May	15	(Wed)	05:13	06:01	71	12:14	79N	18:27	289	19:15
2024	May	16	(Thu)	05:13	06:01	71	12:14	79N	18:28	290	19:16
2024	May	17	(Fri)	05:12	06:00	70	12:14	78N	18:28	290	19:16
2024	May	18	(Sat)	05:12	06:00	70	12:14	78N	18:28	290	19:16
2024	May	19	(Sun)	05:12	06:00	70	12:14	78N	18:28	290	19:16
2024	May	20	(Mon)	05:12	06:00	70	12:14	78N	18:28	290	19:17
2024	May	21	(Tue)	05:12	06:00	69	12:14	78N	18:28	291	19:17
2024	May	22	(Wed)	05:12	06:00	69	12:14	77N	18:29	291	19:17
2024	May	23	(Thu)	05:12	06:00	69	12:14	77N	18:29	291	19:17
2024	May	24	(Fri)	05:11	06:00	69	12:15	77N	18:29	291	19:18
2024	May	25	(Sat)	05:11	06:00	69	12:15	77N	18:29	291	19:18
2024	May	26	(Sun)	05:11	06:00	69	12:15	77N	18:29	292	19:18
2024	May	27	(Mon)	05:11	06:00	68	12:15	76N	18:30	292	19:18
2024	May	28	(Tue)	05:11	06:00	68	12:15	76N	18:30	292	19:19
2024	May	29	(Wed)	05:11	06:00	68	12:15	76N	18:30	292	19:19
2024	May	30	(Thu)	05:11	06:00	68	12:15	76N	18:30	292	19:19
2024	May	31	(Fri)	05:11	06:00	68	12:15	76N	18:31	292	19:20
2024	Jun	01	(Sat)	05:11	06:00	68	12:16	76N	18:31	292	19:20
2024	Jun	02	(Sun)	05:11	06:00	67	12:16	76N	18:31	293	19:20
2024	Jun	03	(Mon)	05:11	06:00	67	12:16	75N	18:31	293	19:20
2024	Jun	04	(Tue)	05:11	06:01	67	12:16	75N	18:32	293	19:21
2024	Jun	05	(Wed)	05:11	06:01	67	12:16	75N	18:32	293	19:21
2024	Jun	06	(Thu)	05:12	06:01	67	12:16	75N	18:32	293	19:21
2024	Jun	07	(Fri)	05:12	06:01	67	12:17	75N	18:32	293	19:22
2024	Jun	08	(Sat)	05:12	06:01	67	12:17	75N	18:33	293	19:22
2024	Jun	09	(Sun)	05:12	06:01	67	12:17	75N	18:33	293	19:22
2024	Jun	10	(Mon)	05:12	06:01	67	12:17	75N	18:33	293	19:22
2024	Jun	11	(Tue)	05:12	06:02	67	12:17	75N	18:33	293	19:23
2024	Jun	12	(Wed)	05:12	06:02	67	12:18	75N	18:34	294	19:23
2024	Jun	13	(Thu)	05:12	06:02	66	12:18	75N	18:34	294	19:23
2024	Jun	14	(Fri)	05:13	06:02	66	12:18	75N	18:34	294	19:24
2024	Jun	15	(Sat)	05:13	06:02	66	12:18	74N	18:34	294	19:24
2024	Jun	16	(Sun)	05:13	06:02	66	12:18	74N	18:34	294	19:24
2024	Jun	17	(Mon)	05:13	06:03	66	12:19	74N	18:35	294	19:24
2024	Jun	18	(Tue)	05:13	06:03	66	12:19	74N	18:35	294	19:25
2024	Jun	19	(Wed)	05:13	06:03	66	12:19	74N	18:35	294	19:25
2024	Jun	20	(Thu)	05:14	06:03	66	12:19	74N	18:35	294	19:25
2024	Jun	21	(Fri)	05:14	06:03	66	12:20	74N	18:36	294	19:25
2024	Jun	22	(Sat)	05:14	06:04	66	12:20	74N	18:36	294	19:25
2024	Jun	23	(Sun)	05:14	06:04	66	12:20	74N	18:36	294	19:26
2024	Jun	24	(Mon)	05:15	06:04	66	12:20	74N	18:36	294	19:26
2024	Jun	25	(Tue)	05:15	06:04	66	12:20	74N	18:36	294	19:26
2024	Jun	26	(Wed)	05:15	06:05	66	12:21	74N	18:37	294	19:26
2024	Jun	27	(Thu)	05:15	06:05	66	12:21	75N	18:37	294	19:26
2024	Jun	28	(Fri)	05:15	06:05	66	12:21	75N	18:37	294	19:26
2024	Jun	29	(Sat)	05:16	06:05	66	12:21	75N	18:37	293	19:27
2024	Jun	30	(Sun)	05:16	06:05	67	12:21	75N	18:37	293	19:27
2024	Jul	01	(Mon)	05:16	06:06	67	12:22	75N	18:37	293	19:27
2024	Jul	02	(Tue)	05:17	06:06	67	12:22	75N	18:38	293	19:27
2024	Jul	03	(Wed)	05:17	06:06	67	12:22	75N	18:38	293	19:27
2024	Jul	04	(Thu)	05:17	06:06	67	12:22	75N	18:38	293	19:27
2024	Jul	05	(Fri)	05:17	06:07	67	12:22	75N	18:38	293	19:27
2024	Jul	06	(Sat)	05:18	06:07	67	12:22	75N	18:38	293	19:27
2024	Jul	07	(Sun)	05:18	06:07	67	12:23	75N	18:38	293	19:27
2024	Jul	08	(Mon)	05:18	06:07	67	12:23	75N	18:38	293	19:27
2024	Jul	09	(Tue)	05:18	06:08	67	12:23	76N	18:38	293	19:27
2024	Jul	10	(Wed)	05:19	06:08	68	12:23	76N	18:38	292	19:27
2024	Jul	11	(Thu)	05:19	06:08	68	12:23	76N	18:38	292	19:27
2024	Jul	12	(Fri)	05:19	06:08	68	12:23	76N	18:38	292	19:27
2024	Jul	13	(Sat)	05:19	06:08	68	12:23	76N	18:38	292	19:27
2024	Jul	14	(Sun)	05:20	06:09	68	12:24	76N	18:38	292	19:27
2024	Jul	15	(Mon)	05:20	06:09	68	12:24	76N	18:39	292	19:27
2024	Jul	16	(Tue)	05:20	06:09	68	12:24	77N	18:38	292	19:27
2024	Jul	17	(Wed)	05:21	06:09	69	12:24	77N	18:38	291	19:27
2024	Jul	18	(Thu)	05:21	06:09	69	12:24	77N	18:38	291	19:27
2024	Jul	19	(Fri)	05:21	06:10	69	12:24	77N	18:38	291	19:27
2024	Jul	20	(Sat)	05:21	06:10	69	12:24	77N	18:38	291	19:27
2024	Jul	21	(Sun)	05:21	06:10	69	12:24	77N	18:38	291	19:27
2024	Jul	22	(Mon)	05:22	06:10	70	12:24	78N	18:38	290	19:27

2024	Jul	23	(Tue)	05:22	06:10	70	12:24	78N	18:38	290	19:26
2024	Jul	24	(Wed)	05:22	06:10	70	12:24	78N	18:38	290	19:26
2024	Jul	25	(Thu)	05:22	06:10	70	12:24	78N	18:38	290	19:26
2024	Jul	26	(Fri)	05:23	06:11	70	12:24	78N	18:38	290	19:26
2024	Jul	27	(Sat)	05:23	06:11	71	12:24	79N	18:38	289	19:26
2024	Jul	28	(Sun)	05:23	06:11	71	12:24	79N	18:37	289	19:25
2024	Jul	29	(Mon)	05:23	06:11	71	12:24	79N	18:37	289	19:25
2024	Jul	30	(Tue)	05:23	06:11	71	12:24	79N	18:37	289	19:25
2024	Jul	31	(Wed)	05:23	06:11	72	12:24	80N	18:37	288	19:25
2024	Aug	01	(Thu)	05:24	06:11	72	12:24	80N	18:37	288	19:24
2024	Aug	02	(Fri)	05:24	06:11	72	12:24	80N	18:36	288	19:24
2024	Aug	03	(Sat)	05:24	06:11	72	12:24	80N	18:36	288	19:24
2024	Aug	04	(Sun)	05:24	06:11	73	12:24	81N	18:36	287	19:23
2024	Aug	05	(Mon)	05:24	06:12	73	12:24	81N	18:36	287	19:23
2024	Aug	06	(Tue)	05:24	06:12	73	12:24	81N	18:35	287	19:23
2024	Aug	07	(Wed)	05:24	06:12	73	12:23	82N	18:35	286	19:22
2024	Aug	08	(Thu)	05:24	06:12	74	12:23	82N	18:35	286	19:22
2024	Aug	09	(Fri)	05:25	06:12	74	12:23	82N	18:35	286	19:22
2024	Aug	10	(Sat)	05:25	06:12	74	12:23	82N	18:34	286	19:21
2024	Aug	11	(Sun)	05:25	06:12	75	12:23	83N	18:34	285	19:21
2024	Aug	12	(Mon)	05:25	06:12	75	12:23	83N	18:34	285	19:20
2024	Aug	13	(Tue)	05:25	06:12	75	12:22	83N	18:33	285	19:20
2024	Aug	14	(Wed)	05:25	06:12	75	12:22	84N	18:33	284	19:20
2024	Aug	15	(Thu)	05:25	06:12	76	12:22	84N	18:33	284	19:19
2024	Aug	16	(Fri)	05:25	06:12	76	12:22	84N	18:32	284	19:19
2024	Aug	17	(Sat)	05:25	06:12	76	12:22	85N	18:32	283	19:18
2024	Aug	18	(Sun)	05:25	06:11	77	12:21	85N	18:31	283	19:18
2024	Aug	19	(Mon)	05:25	06:11	77	12:21	85N	18:31	283	19:17
2024	Aug	20	(Tue)	05:25	06:11	77	12:21	86N	18:31	282	19:17
2024	Aug	21	(Wed)	05:25	06:11	78	12:21	86N	18:30	282	19:16
2024	Aug	22	(Thu)	05:25	06:11	78	12:20	86N	18:30	282	19:16
2024	Aug	23	(Fri)	05:25	06:11	78	12:20	87N	18:29	281	19:15
2024	Aug	24	(Sat)	05:25	06:11	79	12:20	87N	18:29	281	19:15
2024	Aug	25	(Sun)	05:25	06:11	79	12:20	87N	18:28	281	19:14
2024	Aug	26	(Mon)	05:25	06:11	79	12:19	88N	18:28	280	19:14
2024	Aug	27	(Tue)	05:25	06:11	80	12:19	88N	18:27	280	19:13
2024	Aug	28	(Wed)	05:25	06:11	80	12:19	88N	18:27	280	19:13
2024	Aug	29	(Thu)	05:25	06:11	81	12:19	89N	18:26	279	19:12
2024	Aug	30	(Fri)	05:25	06:10	81	12:18	89N	18:26	279	19:12
2024	Aug	31	(Sat)	05:25	06:10	81	12:18	89N	18:25	279	19:11
2024	Sep	01	(Sun)	05:25	06:10	82	12:18	90N	18:25	278	19:10
2024	Sep	02	(Mon)	05:24	06:10	82	12:17	90N	18:24	278	19:10
2024	Sep	03	(Tue)	05:24	06:10	82	12:17	90N	18:24	277	19:09
2024	Sep	04	(Wed)	05:24	06:10	83	12:17	91S	18:23	277	19:09
2024	Sep	05	(Thu)	05:24	06:10	83	12:16	90S	18:23	277	19:08
2024	Sep	06	(Fri)	05:24	06:09	84	12:16	90S	18:22	276	19:08
2024	Sep	07	(Sat)	05:24	06:09	84	12:16	89S	18:22	276	19:07
2024	Sep	08	(Sun)	05:24	06:09	84	12:15	89S	18:21	276	19:07
2024	Sep	09	(Mon)	05:24	06:09	85	12:15	89S	18:21	275	19:06
2024	Sep	10	(Tue)	05:24	06:09	85	12:15	88S	18:20	275	19:05
2024	Sep	11	(Wed)	05:24	06:09	85	12:14	88S	18:20	274	19:05
2024	Sep	12	(Thu)	05:23	06:09	86	12:14	88S	18:19	274	19:04
2024	Sep	13	(Fri)	05:23	06:08	86	12:13	87S	18:19	274	19:04
2024	Sep	14	(Sat)	05:23	06:08	87	12:13	87S	18:18	273	19:03
2024	Sep	15	(Sun)	05:23	06:08	87	12:13	86S	18:17	273	19:02
2024	Sep	16	(Mon)	05:23	06:08	87	12:12	86S	18:17	272	19:02
2024	Sep	17	(Tue)	05:23	06:08	88	12:12	86S	18:16	272	19:01
2024	Sep	18	(Wed)	05:23	06:08	88	12:12	85S	18:16	272	19:01
2024	Sep	19	(Thu)	05:22	06:07	89	12:11	85S	18:15	271	19:00
2024	Sep	20	(Fri)	05:22	06:07	89	12:11	85S	18:15	271	19:00
2024	Sep	21	(Sat)	05:22	06:07	89	12:11	84S	18:14	271	18:59
2024	Sep	22	(Sun)	05:22	06:07	90	12:10	84S	18:14	270	18:59
2024	Sep	23	(Mon)	05:22	06:07	90	12:10	83S	18:13	270	18:58
2024	Sep	24	(Tue)	05:22	06:07	90	12:10	83S	18:12	269	18:57
2024	Sep	25	(Wed)	05:21	06:06	91	12:09	83S	18:12	269	18:57
2024	Sep	26	(Thu)	05:21	06:06	91	12:09	82S	18:11	269	18:56
2024	Sep	27	(Fri)	05:21	06:06	92	12:09	82S	18:11	268	18:56
2024	Sep	28	(Sat)	05:21	06:06	92	12:08	81S	18:10	268	18:55
2024	Sep	29	(Sun)	05:21	06:06	92	12:08	81S	18:10	267	18:55
2024	Sep	30	(Mon)	05:21	06:06	93	12:08	81S	18:09	267	18:54
2024	Oct	01	(Tue)	05:21	06:06	93	12:07	80S	18:09	267	18:54
2024	Oct	02	(Wed)	05:20	06:05	94	12:07	80S	18:08	266	18:53

2024	Oct	03	(Thu)	05:20	06:05	94	12:07	79S	18:08	266	18:53
2024	Oct	04	(Fri)	05:20	06:05	94	12:06	79S	18:07	265	18:52
2024	Oct	05	(Sat)	05:20	06:05	95	12:06	79S	18:07	265	18:52
2024	Oct	06	(Sun)	05:20	06:05	95	12:06	78S	18:06	265	18:51
2024	Oct	07	(Mon)	05:20	06:05	96	12:05	78S	18:06	264	18:51
2024	Oct	08	(Tue)	05:20	06:05	96	12:05	78S	18:05	264	18:51
2024	Oct	09	(Wed)	05:20	06:05	96	12:05	77S	18:05	264	18:50
2024	Oct	10	(Thu)	05:19	06:05	97	12:05	77S	18:04	263	18:50
2024	Oct	11	(Fri)	05:19	06:05	97	12:04	76S	18:04	263	18:49
2024	Oct	12	(Sat)	05:19	06:05	97	12:04	76S	18:04	262	18:49
2024	Oct	13	(Sun)	05:19	06:04	98	12:04	76S	18:03	262	18:48
2024	Oct	14	(Mon)	05:19	06:04	98	12:04	75S	18:03	262	18:48
2024	Oct	15	(Tue)	05:19	06:04	99	12:03	75S	18:02	261	18:48
2024	Oct	16	(Wed)	05:19	06:04	99	12:03	75S	18:02	261	18:47
2024	Oct	17	(Thu)	05:19	06:04	99	12:03	74S	18:02	261	18:47
2024	Oct	18	(Fri)	05:19	06:04	100	12:03	74S	18:01	260	18:47
2024	Oct	19	(Sat)	05:19	06:04	100	12:03	73S	18:01	260	18:46
2024	Oct	20	(Sun)	05:19	06:04	100	12:02	73S	18:00	259	18:46
2024	Oct	21	(Mon)	05:19	06:04	101	12:02	73S	18:00	259	18:46
2024	Oct	22	(Tue)	05:19	06:04	101	12:02	72S	18:00	259	18:46
2024	Oct	23	(Wed)	05:19	06:04	101	12:02	72S	17:59	258	18:45
2024	Oct	24	(Thu)	05:19	06:04	102	12:02	72S	17:59	258	18:45
2024	Oct	25	(Fri)	05:19	06:04	102	12:02	71S	17:59	258	18:45
2024	Oct	26	(Sat)	05:19	06:05	103	12:02	71S	17:59	257	18:45
2024	Oct	27	(Sun)	05:19	06:05	103	12:01	71S	17:58	257	18:44
2024	Oct	28	(Mon)	05:19	06:05	103	12:01	70S	17:58	257	18:44
2024	Oct	29	(Tue)	05:19	06:05	104	12:01	70S	17:58	256	18:44
2024	Oct	30	(Wed)	05:19	06:05	104	12:01	70S	17:58	256	18:44
2024	Oct	31	(Thu)	05:19	06:05	104	12:01	69S	17:57	256	18:44
2024	Nov	01	(Fri)	05:19	06:05	105	12:01	69S	17:57	255	18:44
2024	Nov	02	(Sat)	05:19	06:05	105	12:01	69S	17:57	255	18:43
2024	Nov	03	(Sun)	05:19	06:05	105	12:01	68S	17:57	255	18:43
2024	Nov	04	(Mon)	05:19	06:06	105	12:01	68S	17:57	254	18:43
2024	Nov	05	(Tue)	05:19	06:06	106	12:01	68S	17:57	254	18:43
2024	Nov	06	(Wed)	05:19	06:06	106	12:01	67S	17:56	254	18:43
2024	Nov	07	(Thu)	05:19	06:06	106	12:01	67S	17:56	253	18:43
2024	Nov	08	(Fri)	05:20	06:06	107	12:01	67S	17:56	253	18:43
2024	Nov	09	(Sat)	05:20	06:07	107	12:01	67S	17:56	253	18:43
2024	Nov	10	(Sun)	05:20	06:07	107	12:02	66S	17:56	253	18:43
2024	Nov	11	(Mon)	05:20	06:07	108	12:02	66S	17:56	252	18:43
2024	Nov	12	(Tue)	05:20	06:07	108	12:02	66S	17:56	252	18:43
2024	Nov	13	(Wed)	05:20	06:08	108	12:02	66S	17:56	252	18:43
2024	Nov	14	(Thu)	05:21	06:08	108	12:02	65S	17:56	252	18:43
2024	Nov	15	(Fri)	05:21	06:08	109	12:02	65S	17:56	251	18:44
2024	Nov	16	(Sat)	05:21	06:09	109	12:02	65S	17:56	251	18:44
2024	Nov	17	(Sun)	05:21	06:09	109	12:03	65S	17:56	251	18:44
2024	Nov	18	(Mon)	05:22	06:09	109	12:03	64S	17:56	251	18:44
2024	Nov	19	(Tue)	05:22	06:10	110	12:03	64S	17:57	250	18:44
2024	Nov	20	(Wed)	05:22	06:10	110	12:03	64S	17:57	250	18:44
2024	Nov	21	(Thu)	05:23	06:10	110	12:04	64S	17:57	250	18:45
2024	Nov	22	(Fri)	05:23	06:11	110	12:04	63S	17:57	250	18:45
2024	Nov	23	(Sat)	05:23	06:11	110	12:04	63S	17:57	249	18:45
2024	Nov	24	(Sun)	05:24	06:11	111	12:04	63S	17:57	249	18:45
2024	Nov	25	(Mon)	05:24	06:12	111	12:05	63S	17:57	249	18:45
2024	Nov	26	(Tue)	05:24	06:12	111	12:05	63S	17:58	249	18:46
2024	Nov	27	(Wed)	05:25	06:13	111	12:05	62S	17:58	249	18:46
2024	Nov	28	(Thu)	05:25	06:13	111	12:06	62S	17:58	249	18:46
2024	Nov	29	(Fri)	05:25	06:14	112	12:06	62S	17:58	248	18:47
2024	Nov	30	(Sat)	05:26	06:14	112	12:06	62S	17:59	248	18:47
2024	Dec	01	(Sun)	05:26	06:14	112	12:07	62S	17:59	248	18:47
2024	Dec	02	(Mon)	05:27	06:15	112	12:07	62S	17:59	248	18:48
2024	Dec	03	(Tue)	05:27	06:15	112	12:08	61S	18:00	248	18:48
2024	Dec	04	(Wed)	05:27	06:16	112	12:08	61S	18:00	248	18:48
2024	Dec	05	(Thu)	05:28	06:16	112	12:08	61S	18:00	247	18:49
2024	Dec	06	(Fri)	05:28	06:17	113	12:09	61S	18:01	247	18:49
2024	Dec	07	(Sat)	05:29	06:17	113	12:09	61S	18:01	247	18:50
2024	Dec	08	(Sun)	05:29	06:18	113	12:10	61S	18:01	247	18:50
2024	Dec	09	(Mon)	05:30	06:18	113	12:10	61S	18:02	247	18:50
2024	Dec	10	(Tue)	05:30	06:19	113	12:11	61S	18:02	247	18:51
2024	Dec	11	(Wed)	05:31	06:19	113	12:11	61S	18:03	247	18:51
2024	Dec	12	(Thu)	05:31	06:20	113	12:11	60S	18:03	247	18:52
2024	Dec	13	(Fri)	05:32	06:20	113	12:12	60S	18:03	247	18:52

2024	Dec	14	(Sat)	05:32	06:21	113	12:12	60S	18:04	247	18:53
2024	Dec	15	(Sun)	05:33	06:21	113	12:13	60S	18:04	247	18:53
2024	Dec	16	(Mon)	05:33	06:22	113	12:13	60S	18:05	247	18:54
2024	Dec	17	(Tue)	05:34	06:22	113	12:14	60S	18:05	247	18:54
2024	Dec	18	(Wed)	05:34	06:23	113	12:14	60S	18:06	247	18:55
2024	Dec	19	(Thu)	05:35	06:23	113	12:15	60S	18:06	246	18:55
2024	Dec	20	(Fri)	05:35	06:24	114	12:15	60S	18:07	246	18:56
2024	Dec	21	(Sat)	05:36	06:24	114	12:16	60S	18:07	246	18:56
2024	Dec	22	(Sun)	05:36	06:25	114	12:16	60S	18:08	246	18:57
2024	Dec	23	(Mon)	05:37	06:25	114	12:17	60S	18:08	246	18:57
2024	Dec	24	(Tue)	05:37	06:26	113	12:17	60S	18:09	247	18:58
2024	Dec	25	(Wed)	05:38	06:26	113	12:18	60S	18:09	247	18:58
2024	Dec	26	(Thu)	05:38	06:27	113	12:18	60S	18:10	247	18:59
2024	Dec	27	(Fri)	05:38	06:27	113	12:19	60S	18:10	247	18:59
2024	Dec	28	(Sat)	05:39	06:28	113	12:19	60S	18:11	247	19:00
2024	Dec	29	(Sun)	05:39	06:28	113	12:20	60S	18:11	247	19:00
2024	Dec	30	(Mon)	05:40	06:29	113	12:20	60S	18:12	247	19:01
2024	Dec	31	(Tue)	05:40	06:29	113	12:21	61S	18:12	247	19:01

Sun

Songkhla

Location: E100°35'16.7", N 7°06'18.0", 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)	06:07	06:29	113	12:21	61S	18:12	247	18:35
2024	Jan	02	(Tue)	06:07	06:30	113	12:21	61S	18:13	247	18:36
2024	Jan	03	(Wed)	06:08	06:30	113	12:22	61S	18:13	247	18:36
2024	Jan	04	(Thu)	06:08	06:30	113	12:22	61S	18:14	247	18:37
2024	Jan	05	(Fri)	06:08	06:31	113	12:23	61S	18:15	247	18:37
2024	Jan	06	(Sat)	06:09	06:31	113	12:23	61S	18:15	247	18:38
2024	Jan	07	(Sun)	06:09	06:32	113	12:24	61S	18:16	248	18:38
2024	Jan	08	(Mon)	06:10	06:32	112	12:24	61S	18:16	248	18:39
2024	Jan	09	(Tue)	06:10	06:32	112	12:24	61S	18:17	248	18:39
2024	Jan	10	(Wed)	06:10	06:33	112	12:25	62S	18:17	248	18:39
2024	Jan	11	(Thu)	06:11	06:33	112	12:25	62S	18:18	248	18:40
2024	Jan	12	(Fri)	06:11	06:33	112	12:26	62S	18:18	248	18:40
2024	Jan	13	(Sat)	06:11	06:34	112	12:26	62S	18:18	248	18:41
2024	Jan	14	(Sun)	06:12	06:34	111	12:26	62S	18:19	249	18:41
2024	Jan	15	(Mon)	06:12	06:34	111	12:27	62S	18:19	249	18:42
2024	Jan	16	(Tue)	06:12	06:34	111	12:27	63S	18:20	249	18:42
2024	Jan	17	(Wed)	06:12	06:35	111	12:27	63S	18:20	249	18:43
2024	Jan	18	(Thu)	06:13	06:35	111	12:28	63S	18:21	249	18:43
2024	Jan	19	(Fri)	06:13	06:35	111	12:28	63S	18:21	250	18:43
2024	Jan	20	(Sat)	06:13	06:35	110	12:28	63S	18:22	250	18:44
2024	Jan	21	(Sun)	06:13	06:36	110	12:29	64S	18:22	250	18:44
2024	Jan	22	(Mon)	06:14	06:36	110	12:29	64S	18:22	250	18:44
2024	Jan	23	(Tue)	06:14	06:36	110	12:29	64S	18:23	250	18:45
2024	Jan	24	(Wed)	06:14	06:36	109	12:30	64S	18:23	251	18:45
2024	Jan	25	(Thu)	06:14	06:36	109	12:30	65S	18:24	251	18:46
2024	Jan	26	(Fri)	06:14	06:36	109	12:30	65S	18:24	251	18:46
2024	Jan	27	(Sat)	06:14	06:36	109	12:30	65S	18:24	251	18:46
2024	Jan	28	(Sun)	06:14	06:36	108	12:30	65S	18:25	252	18:46
2024	Jan	29	(Mon)	06:15	06:36	108	12:31	66S	18:25	252	18:47
2024	Jan	30	(Tue)	06:15	06:36	108	12:31	66S	18:25	252	18:47
2024	Jan	31	(Wed)	06:15	06:36	108	12:31	66S	18:26	253	18:47
2024	Feb	01	(Thu)	06:15	06:36	107	12:31	66S	18:26	253	18:48
2024	Feb	02	(Fri)	06:15	06:36	107	12:31	67S	18:26	253	18:48
2024	Feb	03	(Sat)	06:15	06:36	107	12:31	67S	18:26	253	18:48
2024	Feb	04	(Sun)	06:15	06:36	106	12:31	67S	18:27	254	18:48
2024	Feb	05	(Mon)	06:15	06:36	106	12:32	68S	18:27	254	18:49
2024	Feb	06	(Tue)	06:15	06:36	106	12:32	68S	18:27	254	18:49
2024	Feb	07	(Wed)	06:15	06:36	106	12:32	68S	18:27	255	18:49
2024	Feb	08	(Thu)	06:14	06:36	105	12:32	68S	18:28	255	18:49
2024	Feb	09	(Fri)	06:14	06:36	105	12:32	69S	18:28	255	18:49
2024	Feb	10	(Sat)	06:14	06:36	105	12:32	69S	18:28	256	18:49

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

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

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

2024	Sep	14	(Sat)	05:47	06:08	87	12:13	87S	18:18	273	18:39
2024	Sep	15	(Sun)	05:47	06:08	87	12:13	86S	18:17	273	18:38
2024	Sep	16	(Mon)	05:47	06:08	87	12:12	86S	18:17	272	18:38
2024	Sep	17	(Tue)	05:47	06:08	88	12:12	86S	18:16	272	18:37
2024	Sep	18	(Wed)	05:47	06:08	88	12:12	85S	18:16	272	18:37
2024	Sep	19	(Thu)	05:47	06:07	89	12:11	85S	18:15	271	18:36
2024	Sep	20	(Fri)	05:46	06:07	89	12:11	85S	18:15	271	18:35
2024	Sep	21	(Sat)	05:46	06:07	89	12:11	84S	18:14	271	18:35
2024	Sep	22	(Sun)	05:46	06:07	90	12:10	84S	18:14	270	18:34
2024	Sep	23	(Mon)	05:46	06:07	90	12:10	83S	18:13	270	18:34
2024	Sep	24	(Tue)	05:46	06:07	90	12:10	83S	18:12	269	18:33
2024	Sep	25	(Wed)	05:46	06:06	91	12:09	83S	18:12	269	18:33
2024	Sep	26	(Thu)	05:45	06:06	91	12:09	82S	18:11	269	18:32
2024	Sep	27	(Fri)	05:45	06:06	92	12:09	82S	18:11	268	18:32
2024	Sep	28	(Sat)	05:45	06:06	92	12:08	81S	18:10	268	18:31
2024	Sep	29	(Sun)	05:45	06:06	92	12:08	81S	18:10	267	18:31
2024	Sep	30	(Mon)	05:45	06:06	93	12:08	81S	18:09	267	18:30
2024	Oct	01	(Tue)	05:45	06:06	93	12:07	80S	18:09	267	18:30
2024	Oct	02	(Wed)	05:45	06:05	94	12:07	80S	18:08	266	18:29
2024	Oct	03	(Thu)	05:44	06:05	94	12:07	79S	18:08	266	18:29
2024	Oct	04	(Fri)	05:44	06:05	94	12:06	79S	18:07	265	18:28
2024	Oct	05	(Sat)	05:44	06:05	95	12:06	79S	18:07	265	18:28
2024	Oct	06	(Sun)	05:44	06:05	95	12:06	78S	18:06	265	18:27
2024	Oct	07	(Mon)	05:44	06:05	96	12:05	78S	18:06	264	18:27
2024	Oct	08	(Tue)	05:44	06:05	96	12:05	78S	18:05	264	18:26
2024	Oct	09	(Wed)	05:44	06:05	96	12:05	77S	18:05	264	18:26
2024	Oct	10	(Thu)	05:44	06:05	97	12:05	77S	18:04	263	18:25
2024	Oct	11	(Fri)	05:44	06:05	97	12:04	76S	18:04	263	18:25
2024	Oct	12	(Sat)	05:44	06:05	97	12:04	76S	18:04	262	18:25
2024	Oct	13	(Sun)	05:43	06:04	98	12:04	76S	18:03	262	18:24
2024	Oct	14	(Mon)	05:43	06:04	98	12:04	75S	18:03	262	18:24
2024	Oct	15	(Tue)	05:43	06:04	99	12:03	75S	18:02	261	18:23
2024	Oct	16	(Wed)	05:43	06:04	99	12:03	75S	18:02	261	18:23
2024	Oct	17	(Thu)	05:43	06:04	99	12:03	74S	18:02	261	18:23
2024	Oct	18	(Fri)	05:43	06:04	100	12:03	74S	18:01	260	18:22
2024	Oct	19	(Sat)	05:43	06:04	100	12:03	73S	18:01	260	18:22
2024	Oct	20	(Sun)	05:43	06:04	100	12:02	73S	18:00	259	18:22
2024	Oct	21	(Mon)	05:43	06:04	101	12:02	73S	18:00	259	18:21
2024	Oct	22	(Tue)	05:43	06:04	101	12:02	72S	18:00	259	18:21
2024	Oct	23	(Wed)	05:43	06:04	101	12:02	72S	17:59	258	18:21
2024	Oct	24	(Thu)	05:43	06:04	102	12:02	72S	17:59	258	18:20
2024	Oct	25	(Fri)	05:43	06:04	102	12:02	71S	17:59	258	18:20
2024	Oct	26	(Sat)	05:43	06:05	103	12:02	71S	17:59	257	18:20
2024	Oct	27	(Sun)	05:43	06:05	103	12:01	71S	17:58	257	18:20
2024	Oct	28	(Mon)	05:43	06:05	103	12:01	70S	17:58	257	18:19
2024	Oct	29	(Tue)	05:43	06:05	104	12:01	70S	17:58	256	18:19
2024	Oct	30	(Wed)	05:43	06:05	104	12:01	70S	17:58	256	18:19
2024	Oct	31	(Thu)	05:44	06:05	104	12:01	69S	17:57	256	18:19
2024	Nov	01	(Fri)	05:44	06:05	105	12:01	69S	17:57	255	18:19
2024	Nov	02	(Sat)	05:44	06:05	105	12:01	69S	17:57	255	18:19
2024	Nov	03	(Sun)	05:44	06:05	105	12:01	68S	17:57	255	18:18
2024	Nov	04	(Mon)	05:44	06:06	105	12:01	68S	17:57	254	18:18
2024	Nov	05	(Tue)	05:44	06:06	106	12:01	68S	17:57	254	18:18
2024	Nov	06	(Wed)	05:44	06:06	106	12:01	67S	17:56	254	18:18
2024	Nov	07	(Thu)	05:45	06:06	106	12:01	67S	17:56	253	18:18
2024	Nov	08	(Fri)	05:45	06:06	107	12:01	67S	17:56	253	18:18
2024	Nov	09	(Sat)	05:45	06:07	107	12:01	67S	17:56	253	18:18
2024	Nov	10	(Sun)	05:45	06:07	107	12:02	66S	17:56	253	18:18
2024	Nov	11	(Mon)	05:45	06:07	108	12:02	66S	17:56	252	18:18
2024	Nov	12	(Tue)	05:46	06:07	108	12:02	66S	17:56	252	18:18
2024	Nov	13	(Wed)	05:46	06:08	108	12:02	66S	17:56	252	18:18
2024	Nov	14	(Thu)	05:46	06:08	108	12:02	65S	17:56	252	18:18
2024	Nov	15	(Fri)	05:46	06:08	109	12:02	65S	17:56	251	18:18
2024	Nov	16	(Sat)	05:47	06:09	109	12:02	65S	17:56	251	18:18
2024	Nov	17	(Sun)	05:47	06:09	109	12:03	65S	17:56	251	18:18
2024	Nov	18	(Mon)	05:47	06:09	109	12:03	64S	17:56	251	18:18
2024	Nov	19	(Tue)	05:48	06:10	110	12:03	64S	17:57	250	18:19
2024	Nov	20	(Wed)	05:48	06:10	110	12:03	64S	17:57	250	18:19
2024	Nov	21	(Thu)	05:48	06:10	110	12:04	64S	17:57	250	18:19
2024	Nov	22	(Fri)	05:49	06:11	110	12:04	63S	17:57	250	18:19
2024	Nov	23	(Sat)	05:49	06:11	110	12:04	63S	17:57	249	18:19
2024	Nov	24	(Sun)	05:49	06:11	111	12:04	63S	17:57	249	18:19

2024	Nov	25	(Mon)	05:50	06:12	111	12:05	63S	17:57	249	18:20
2024	Nov	26	(Tue)	05:50	06:12	111	12:05	63S	17:58	249	18:20
2024	Nov	27	(Wed)	05:50	06:13	111	12:05	62S	17:58	249	18:20
2024	Nov	28	(Thu)	05:51	06:13	111	12:06	62S	17:58	249	18:20
2024	Nov	29	(Fri)	05:51	06:14	112	12:06	62S	17:58	248	18:21
2024	Nov	30	(Sat)	05:52	06:14	112	12:06	62S	17:59	248	18:21
2024	Dec	01	(Sun)	05:52	06:14	112	12:07	62S	17:59	248	18:21
2024	Dec	02	(Mon)	05:53	06:15	112	12:07	62S	17:59	248	18:22
2024	Dec	03	(Tue)	05:53	06:15	112	12:08	61S	18:00	248	18:22
2024	Dec	04	(Wed)	05:53	06:16	112	12:08	61S	18:00	248	18:22
2024	Dec	05	(Thu)	05:54	06:16	112	12:08	61S	18:00	247	18:23
2024	Dec	06	(Fri)	05:54	06:17	113	12:09	61S	18:01	247	18:23
2024	Dec	07	(Sat)	05:55	06:17	113	12:09	61S	18:01	247	18:24
2024	Dec	08	(Sun)	05:55	06:18	113	12:10	61S	18:01	247	18:24
2024	Dec	09	(Mon)	05:56	06:18	113	12:10	61S	18:02	247	18:24
2024	Dec	10	(Tue)	05:56	06:19	113	12:11	61S	18:02	247	18:25
2024	Dec	11	(Wed)	05:57	06:19	113	12:11	61S	18:03	247	18:25
2024	Dec	12	(Thu)	05:57	06:20	113	12:11	60S	18:03	247	18:26
2024	Dec	13	(Fri)	05:58	06:20	113	12:12	60S	18:03	247	18:26
2024	Dec	14	(Sat)	05:58	06:21	113	12:12	60S	18:04	247	18:27
2024	Dec	15	(Sun)	05:59	06:21	113	12:13	60S	18:04	247	18:27
2024	Dec	16	(Mon)	05:59	06:22	113	12:13	60S	18:05	247	18:27
2024	Dec	17	(Tue)	06:00	06:22	113	12:14	60S	18:05	247	18:28
2024	Dec	18	(Wed)	06:00	06:23	113	12:14	60S	18:06	247	18:28
2024	Dec	19	(Thu)	06:01	06:23	113	12:15	60S	18:06	246	18:29
2024	Dec	20	(Fri)	06:01	06:24	114	12:15	60S	18:07	246	18:29
2024	Dec	21	(Sat)	06:02	06:24	114	12:16	60S	18:07	246	18:30
2024	Dec	22	(Sun)	06:02	06:25	114	12:16	60S	18:08	246	18:30
2024	Dec	23	(Mon)	06:03	06:25	114	12:17	60S	18:08	246	18:31
2024	Dec	24	(Tue)	06:03	06:26	113	12:17	60S	18:09	247	18:31
2024	Dec	25	(Wed)	06:04	06:26	113	12:18	60S	18:09	247	18:32
2024	Dec	26	(Thu)	06:04	06:27	113	12:18	60S	18:10	247	18:32
2024	Dec	27	(Fri)	06:05	06:27	113	12:19	60S	18:10	247	18:33
2024	Dec	28	(Sat)	06:05	06:28	113	12:19	60S	18:11	247	18:33
2024	Dec	29	(Sun)	06:06	06:28	113	12:20	60S	18:11	247	18:34
2024	Dec	30	(Mon)	06:06	06:29	113	12:20	60S	18:12	247	18:34
2024	Dec	31	(Tue)	06:07	06:29	113	12:21	61S	18:12	247	18:35

Moon

Songkhla

Location: E100°35'16.7", N 7°06'18.0", 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)	22:35	81		04:09	84N		10:25	282	
2024 Jan 02 (Tue)	23:17	86		04:49	90N		11:02	276	
2024 Jan 03 (Wed)	23:59	92		05:28	86S		11:38	271	
2024 Jan 04 (Thu)				06:07	80S		12:14	265	
2024 Jan 05 (Fri)	00:42	98		06:48	74S		12:52	259	
2024 Jan 06 (Sat)	01:27	104		07:31	68S		13:33	254	
2024 Jan 07 (Sun)	02:16	109		08:17	63S		14:18	249	
2024 Jan 08 (Mon)	03:09	113		09:09	59S		15:09	245	
2024 Jan 09 (Tue)	04:07	117		10:06	56S		16:05	242	
2024 Jan 10 (Wed)	05:09	118		11:08	55S		17:07	242	
2024 Jan 11 (Thu)	06:12	118		12:12	56S		18:12	243	
2024 Jan 12 (Fri)	07:14	116		13:14	59S		19:16	246	
2024 Jan 13 (Sat)	08:12	111		14:14	63S		20:17	251	
2024 Jan 14 (Sun)	09:05	106		15:09	69S		21:15	258	
2024 Jan 15 (Mon)	09:53	99		16:01	76S		22:10	265	
2024 Jan 16 (Tue)	10:39	92		16:50	83S		23:02	272	
2024 Jan 17 (Wed)	11:23	85		17:37	90S		23:53	278	
2024 Jan 18 (Thu)	12:08	78		18:25	85N				
2024 Jan 19 (Fri)	12:54	73		19:15	79N		00:45	285	
2024 Jan 20 (Sat)	13:42	68		20:06	74N		01:38	290	
2024 Jan 21 (Sun)	14:33	64		21:00	71N		02:32	294	
2024 Jan 22 (Mon)	15:26	62		21:55	69N		03:28	297	
2024 Jan 23 (Tue)	16:21	62		22:50	69N		04:24	298	

2024	Jan	24	(Wed)	17:16	63	23:44	71N	05:19	298
2024	Jan	25	(Thu)	18:09	65			06:11	296
2024	Jan	26	(Fri)	18:59	69	00:34	74N	06:58	293
2024	Jan	27	(Sat)	19:46	74	01:21	78N	07:42	289
2024	Jan	28	(Sun)	20:31	79	02:05	83N	08:22	284
2024	Jan	29	(Mon)	21:13	84	02:46	88N	09:00	278
2024	Jan	30	(Tue)	21:55	90	03:26	88S	09:36	273
2024	Jan	31	(Wed)	22:37	96	04:04	82S	10:12	267
2024	Feb	01	(Thu)	23:21	102	04:44	76S	10:49	261
2024	Feb	02	(Fri)			05:25	70S	11:27	256
2024	Feb	03	(Sat)	00:07	107	06:09	65S	12:09	251
2024	Feb	04	(Sun)	00:56	112	06:57	61S	12:56	246
2024	Feb	05	(Mon)	01:51	115	07:50	57S	13:48	243
2024	Feb	06	(Tue)	02:49	118	08:48	55S	14:46	242
2024	Feb	07	(Wed)	03:51	119	09:50	55S	15:49	242
2024	Feb	08	(Thu)	04:53	117	10:53	57S	16:54	244
2024	Feb	09	(Fri)	05:53	114	11:55	61S	17:57	249
2024	Feb	10	(Sat)	06:50	109	12:53	66S	18:58	254
2024	Feb	11	(Sun)	07:42	102	13:48	73S	19:56	261
2024	Feb	12	(Mon)	08:30	95	14:40	80S	20:51	269
2024	Feb	13	(Tue)	09:17	88	15:30	88S	21:45	276
2024	Feb	14	(Wed)	10:03	81	16:20	87N	22:38	283
2024	Feb	15	(Thu)	10:50	74	17:10	80N	23:32	289
2024	Feb	16	(Fri)	11:38	69	18:02	75N		
2024	Feb	17	(Sat)	12:29	65	18:56	72N	00:27	293
2024	Feb	18	(Sun)	13:22	62	19:51	70N	01:24	297
2024	Feb	19	(Mon)	14:17	61	20:46	69N	02:20	298
2024	Feb	20	(Tue)	15:12	62	21:40	70N	03:15	298
2024	Feb	21	(Wed)	16:05	64	22:31	73N	04:07	297
2024	Feb	22	(Thu)	16:55	68	23:18	76N	04:56	294
2024	Feb	23	(Fri)	17:43	72			05:40	290
2024	Feb	24	(Sat)	18:28	77	00:03	81N	06:21	286
2024	Feb	25	(Sun)	19:11	83	00:45	86N	07:00	280
2024	Feb	26	(Mon)	19:53	88	01:24	90S	07:36	275
2024	Feb	27	(Tue)	20:35	94	02:03	84S	08:12	269
2024	Feb	28	(Wed)	21:18	100	02:42	78S	08:48	263
2024	Feb	29	(Thu)	22:02	105	03:22	72S	09:26	257
2024	Mar	01	(Fri)	22:50	110	04:05	67S	10:06	252
2024	Mar	02	(Sat)	23:41	114	04:50	62S	10:50	248
2024	Mar	03	(Sun)			05:40	58S	11:39	244
2024	Mar	04	(Mon)	00:36	117	06:35	56S	12:33	242
2024	Mar	05	(Tue)	01:35	119	07:33	55S	13:31	241
2024	Mar	06	(Wed)	02:35	118	08:34	55S	14:33	243
2024	Mar	07	(Thu)	03:35	116	09:35	58S	15:36	246
2024	Mar	08	(Fri)	04:32	112	10:34	63S	16:37	251
2024	Mar	09	(Sat)	05:26	106	11:30	69S	17:37	257
2024	Mar	10	(Sun)	06:16	99	12:24	76S	18:33	265
2024	Mar	11	(Mon)	07:04	91	13:16	84S	19:29	272
2024	Mar	12	(Tue)	07:52	84	14:07	90N	20:24	280
2024	Mar	13	(Wed)	08:39	77	14:59	83N	21:20	286
2024	Mar	14	(Thu)	09:29	71	15:52	77N	22:17	292
2024	Mar	15	(Fri)	10:21	66	16:47	73N	23:15	296
2024	Mar	16	(Sat)	11:15	63	17:44	70N		
2024	Mar	17	(Sun)	12:11	61	18:40	69N	00:13	298
2024	Mar	18	(Mon)	13:06	62	19:35	70N	01:10	299
2024	Mar	19	(Tue)	14:01	63	20:28	72N	02:04	298
2024	Mar	20	(Wed)	14:52	66	21:16	75N	02:53	295
2024	Mar	21	(Thu)	15:40	70	22:01	79N	03:39	292
2024	Mar	22	(Fri)	16:26	75	22:44	84N	04:21	287
2024	Mar	23	(Sat)	17:10	81	23:24	90N	05:00	282
2024	Mar	24	(Sun)	17:52	86			05:37	276
2024	Mar	25	(Mon)	18:34	92	00:03	86S	06:13	271
2024	Mar	26	(Tue)	19:16	98	00:42	80S	06:49	265
2024	Mar	27	(Wed)	20:00	104	01:22	74S	07:26	259
2024	Mar	28	(Thu)	20:47	109	02:03	68S	08:05	254
2024	Mar	29	(Fri)	21:37	113	02:48	63S	08:48	249
2024	Mar	30	(Sat)	22:30	117	03:36	59S	09:35	245
2024	Mar	31	(Sun)	23:27	118	04:28	56S	10:26	242
2024	Apr	01	(Mon)			05:24	55S	11:22	241
2024	Apr	02	(Tue)	00:25	119	06:23	55S	12:21	242
2024	Apr	03	(Wed)	01:23	117	07:22	57S	13:22	244
2024	Apr	04	(Thu)	02:19	114	08:20	61S	14:21	248

2024 Apr 05 (Fri)	03:12 109	09:15 66S	15:20 254
2024 Apr 06 (Sat)	04:02 103	10:08 73S	16:16 261
2024 Apr 07 (Sun)	04:51 95	11:00 80S	17:11 268
2024 Apr 08 (Mon)	05:38 88	11:51 87S	18:06 276
2024 Apr 09 (Tue)	06:25 81	12:43 87N	19:02 283
2024 Apr 10 (Wed)	07:15 74	13:36 80N	19:59 289
2024 Apr 11 (Thu)	08:07 68	14:32 75N	20:59 294
2024 Apr 12 (Fri)	09:02 64	15:30 71N	21:59 297
2024 Apr 13 (Sat)	09:59 62	16:29 69N	22:59 299
2024 Apr 14 (Sun)	10:57 61	17:26 69N	23:56 298
2024 Apr 15 (Mon)	11:53 62	18:21 71N	
2024 Apr 16 (Tue)	12:46 65	19:12 74N	00:48 296
2024 Apr 17 (Wed)	13:36 69	19:59 78N	01:36 293
2024 Apr 18 (Thu)	14:23 73	20:42 83N	02:19 289
2024 Apr 19 (Fri)	15:07 79	21:23 88N	02:59 284
2024 Apr 20 (Sat)	15:50 84	22:02 88S	03:37 278
2024 Apr 21 (Sun)	16:32 90	22:41 82S	04:13 273
2024 Apr 22 (Mon)	17:14 96	23:20 76S	04:49 267
2024 Apr 23 (Tue)	17:58 102		05:26 261
2024 Apr 24 (Wed)	18:44 107	00:02 70S	06:04 255
2024 Apr 25 (Thu)	19:33 112	00:46 65S	06:46 250
2024 Apr 26 (Fri)	20:26 116	01:33 60S	07:32 246
2024 Apr 27 (Sat)	21:22 118	02:25 57S	08:23 243
2024 Apr 28 (Sun)	22:20 119	03:20 55S	09:17 241
2024 Apr 29 (Mon)	23:17 118	04:17 55S	10:15 241
2024 Apr 30 (Tue)		05:16 56S	11:15 243
2024 May 01 (Wed)	00:13 115	06:13 59S	12:13 247
2024 May 02 (Thu)	01:06 111	07:07 64S	13:10 252
2024 May 03 (Fri)	01:55 105	07:59 70S	14:05 258
2024 May 04 (Sat)	02:42 99	08:50 77S	14:59 265
2024 May 05 (Sun)	03:28 91	09:39 84S	15:52 272
2024 May 06 (Mon)	04:14 84	10:29 90N	16:46 279
2024 May 07 (Tue)	05:01 77	11:21 83N	17:42 286
2024 May 08 (Wed)	05:52 71	12:15 77N	18:40 292
2024 May 09 (Thu)	06:46 66	13:13 73N	19:41 296
2024 May 10 (Fri)	07:43 63	14:12 70N	20:42 298
2024 May 11 (Sat)	08:42 61	15:12 69N	21:42 299
2024 May 12 (Sun)	09:40 62	16:09 70N	22:38 297
2024 May 13 (Mon)	10:36 64	17:03 72N	23:29 294
2024 May 14 (Tue)	11:29 67	17:53 76N	
2024 May 15 (Wed)	12:18 72	18:38 81N	00:15 291
2024 May 16 (Thu)	13:03 77	19:20 86N	00:56 286
2024 May 17 (Fri)	13:46 82	20:00 90S	01:35 280
2024 May 18 (Sat)	14:28 88	20:39 84S	02:11 275
2024 May 19 (Sun)	15:10 94	21:18 78S	02:47 269
2024 May 20 (Mon)	15:53 100	21:58 72S	03:24 263
2024 May 21 (Tue)	16:39 105	22:41 67S	04:02 258
2024 May 22 (Wed)	17:27 110	23:28 62S	04:43 252
2024 May 23 (Thu)	18:19 114		05:27 248
2024 May 24 (Fri)	19:15 117	00:18 58S	06:17 244
2024 May 25 (Sat)	20:13 119	01:13 56S	07:11 242
2024 May 26 (Sun)	21:12 118	02:11 55S	08:09 241
2024 May 27 (Mon)	22:09 116	03:10 56S	09:09 243
2024 May 28 (Tue)	23:03 112	04:08 58S	10:09 246
2024 May 29 (Wed)	23:53 107	05:04 62S	11:06 250
2024 May 30 (Thu)		05:56 68S	12:01 256
2024 May 31 (Fri)	00:39 101	06:45 74S	12:53 263
2024 Jun 01 (Sat)	01:24 94	07:34 81S	13:45 270
2024 Jun 02 (Sun)	02:08 87	08:22 89S	14:37 277
2024 Jun 03 (Mon)	02:54 80	09:11 86N	15:30 284
2024 Jun 04 (Tue)	03:41 73	10:03 80N	16:26 289
2024 Jun 05 (Wed)	04:33 68	10:58 75N	17:25 294
2024 Jun 06 (Thu)	05:28 64	11:56 71N	18:26 297
2024 Jun 07 (Fri)	06:26 62	12:56 69N	19:26 299
2024 Jun 08 (Sat)	07:25 61	13:55 69N	20:25 298
2024 Jun 09 (Sun)	08:23 63	14:51 71N	21:18 296
2024 Jun 10 (Mon)	09:18 66	15:43 75N	22:07 292
2024 Jun 11 (Tue)	10:09 70	16:31 79N	22:51 288
2024 Jun 12 (Wed)	10:57 75	17:15 84N	23:31 282
2024 Jun 13 (Thu)	11:41 80	17:56 90N	
2024 Jun 14 (Fri)	12:23 86	18:35 86S	00:09 277
2024 Jun 15 (Sat)	13:05 92	19:14 80S	00:45 271

2024 Jun 16 (Sun)	13:48 98	19:53 74S	01:21 265
2024 Jun 17 (Mon)	14:32 103	20:35 69S	01:58 260
2024 Jun 18 (Tue)	15:19 108	21:20 64S	02:37 254
2024 Jun 19 (Wed)	16:09 113	22:09 60S	03:20 249
2024 Jun 20 (Thu)	17:04 116	23:03 56S	04:08 245
2024 Jun 21 (Fri)	18:02 118		05:01 243
2024 Jun 22 (Sat)	19:02 118	00:01 55S	05:59 241
2024 Jun 23 (Sun)	20:01 117	01:01 55S	06:59 242
2024 Jun 24 (Mon)	20:57 113	02:00 57S	08:00 245
2024 Jun 25 (Tue)	21:49 108	02:58 61S	09:00 249
2024 Jun 26 (Wed)	22:38 102	03:52 66S	09:56 254
2024 Jun 27 (Thu)	23:23 96	04:43 73S	10:50 261
2024 Jun 28 (Fri)		05:32 80S	11:42 268
2024 Jun 29 (Sat)	00:07 89	06:19 87S	12:33 275
2024 Jun 30 (Sun)	00:51 82	07:07 88N	13:25 282
2024 Jul 01 (Mon)	01:37 75	07:57 82N	14:19 288
2024 Jul 02 (Tue)	02:26 70	08:50 76N	15:15 293
2024 Jul 03 (Wed)	03:18 65	09:46 72N	16:14 296
2024 Jul 04 (Thu)	04:14 62	10:44 70N	17:14 298
2024 Jul 05 (Fri)	05:13 61	11:43 69N	18:13 298
2024 Jul 06 (Sat)	06:11 62	12:40 70N	19:08 297
2024 Jul 07 (Sun)	07:07 65	13:34 73N	19:59 294
2024 Jul 08 (Mon)	08:00 68	14:23 77N	20:45 289
2024 Jul 09 (Tue)	08:49 73	15:09 82N	21:27 284
2024 Jul 10 (Wed)	09:35 78	15:51 87N	22:05 279
2024 Jul 11 (Thu)	10:18 84	16:31 88S	22:42 273
2024 Jul 12 (Fri)	11:00 90	17:10 82S	23:18 267
2024 Jul 13 (Sat)	11:42 95	17:49 77S	23:54 262
2024 Jul 14 (Sun)	12:25 101	18:29 71S	
2024 Jul 15 (Mon)	13:10 106	19:12 66S	00:32 256
2024 Jul 16 (Tue)	13:59 111	19:59 61S	01:13 251
2024 Jul 17 (Wed)	14:51 115	20:50 58S	01:58 247
2024 Jul 18 (Thu)	15:48 118	21:46 55S	02:48 244
2024 Jul 19 (Fri)	16:47 119	22:45 55S	03:44 242
2024 Jul 20 (Sat)	17:47 118	23:46 56S	04:44 242
2024 Jul 21 (Sun)	18:46 115		05:46 243
2024 Jul 22 (Mon)	19:41 110	00:46 59S	06:48 247
2024 Jul 23 (Tue)	20:32 105	01:43 64S	07:47 252
2024 Jul 24 (Wed)	21:20 98	02:37 70S	08:43 259
2024 Jul 25 (Thu)	22:05 91	03:27 77S	09:37 266
2024 Jul 26 (Fri)	22:50 84	04:16 85S	10:29 273
2024 Jul 27 (Sat)	23:36 77	05:05 90N	11:21 280
2024 Jul 28 (Sun)		05:54 83N	12:15 286
2024 Jul 29 (Mon)	00:23 71	06:46 77N	13:10 292
2024 Jul 30 (Tue)	01:14 66	07:40 73N	14:08 296
2024 Jul 31 (Wed)	02:08 63	08:37 70N	15:07 298
2024 Aug 01 (Thu)	03:05 61	09:35 69N	16:05 299
2024 Aug 02 (Fri)	04:03 62	10:32 70N	17:01 298
2024 Aug 03 (Sat)	04:59 63	11:27 72N	17:53 295
2024 Aug 04 (Sun)	05:53 67	12:17 76N	18:40 291
2024 Aug 05 (Mon)	06:43 71	13:04 80N	19:23 286
2024 Aug 06 (Tue)	07:30 76	13:47 85N	20:03 281
2024 Aug 07 (Wed)	08:14 82	14:28 90S	20:40 275
2024 Aug 08 (Thu)	08:56 88	15:07 84S	21:16 269
2024 Aug 09 (Fri)	09:38 93	15:46 79S	21:52 264
2024 Aug 10 (Sat)	10:20 99	16:25 73S	22:29 258
2024 Aug 11 (Sun)	11:04 105	17:07 68S	23:08 253
2024 Aug 12 (Mon)	11:50 110	17:51 63S	23:50 248
2024 Aug 13 (Tue)	12:40 114	18:39 59S	
2024 Aug 14 (Wed)	13:34 117	19:32 56S	00:37 245
2024 Aug 15 (Thu)	14:31 119	20:29 55S	01:30 242
2024 Aug 16 (Fri)	15:30 119	21:29 55S	02:27 241
2024 Aug 17 (Sat)	16:29 117	22:29 57S	03:27 242
2024 Aug 18 (Sun)	17:26 113	23:28 62S	04:29 245
2024 Aug 19 (Mon)	18:20 107		05:30 250
2024 Aug 20 (Tue)	19:10 101	00:24 67S	06:29 256
2024 Aug 21 (Wed)	19:58 94	01:17 74S	07:25 263
2024 Aug 22 (Thu)	20:44 86	02:08 82S	08:20 270
2024 Aug 23 (Fri)	21:31 79	02:58 89S	09:14 277
2024 Aug 24 (Sat)	22:19 73	03:49 85N	10:08 284
2024 Aug 25 (Sun)	23:10 67	04:41 79N	11:05 290
2024 Aug 26 (Mon)		05:36 74N	12:02 295

2024 Aug 27 (Tue)	00:04 64	06:32 71N	13:02 298
2024 Aug 28 (Wed)	01:00 62	07:30 69N	14:00 299
2024 Aug 29 (Thu)	01:58 61	08:27 69N	14:57 298
2024 Aug 30 (Fri)	02:54 63	09:22 71N	15:49 296
2024 Aug 31 (Sat)	03:48 65	10:14 74N	16:38 293
2024 Sep 01 (Sun)	04:39 69	11:01 78N	17:22 288
2024 Sep 02 (Mon)	05:27 74	11:45 83N	18:02 283
2024 Sep 03 (Tue)	06:11 80	12:26 89N	18:40 277
2024 Sep 04 (Wed)	06:54 86	13:06 86S	19:16 271
2024 Sep 05 (Thu)	07:36 91	13:44 81S	19:51 266
2024 Sep 06 (Fri)	08:18 97	14:23 75S	20:28 260
2024 Sep 07 (Sat)	09:00 103	15:04 69S	21:06 255
2024 Sep 08 (Sun)	09:45 108	15:47 64S	21:47 250
2024 Sep 09 (Mon)	10:33 112	16:33 60S	22:31 246
2024 Sep 10 (Tue)	11:24 116	17:23 57S	23:20 243
2024 Sep 11 (Wed)	12:19 118	18:16 55S	
2024 Sep 12 (Thu)	13:16 119	19:13 54S	00:14 241
2024 Sep 13 (Fri)	14:14 118	20:12 56S	01:11 241
2024 Sep 14 (Sat)	15:10 115	21:10 59S	02:11 243
2024 Sep 15 (Sun)	16:05 110	22:07 64S	03:11 247
2024 Sep 16 (Mon)	16:56 104	23:01 71S	04:10 252
2024 Sep 17 (Tue)	17:45 97	23:53 78S	05:08 259
2024 Sep 18 (Wed)	18:33 90		06:03 266
2024 Sep 19 (Thu)	19:20 82	00:45 85S	06:59 274
2024 Sep 20 (Fri)	20:09 75	01:37 88N	07:55 281
2024 Sep 21 (Sat)	21:01 69	02:30 81N	08:52 288
2024 Sep 22 (Sun)	21:56 65	03:26 76N	09:52 293
2024 Sep 23 (Mon)	22:53 62	04:24 72N	10:53 297
2024 Sep 24 (Tue)	23:52 61	05:23 69N	11:53 299
2024 Sep 25 (Wed)		06:22 69N	12:52 299
2024 Sep 26 (Thu)	00:49 62	07:18 70N	13:46 297
2024 Sep 27 (Fri)	01:45 64	08:11 73N	14:36 294
2024 Sep 28 (Sat)	02:36 68	08:59 77N	15:21 290
2024 Sep 29 (Sun)	03:25 73	09:44 82N	16:02 285
2024 Sep 30 (Mon)	04:10 78	10:26 87N	16:40 279
2024 Oct 01 (Tue)	04:53 84	11:05 88S	17:17 273
2024 Oct 02 (Wed)	05:35 90	11:44 83S	17:52 268
2024 Oct 03 (Thu)	06:16 95	12:23 77S	18:28 262
2024 Oct 04 (Fri)	06:59 101	13:03 71S	19:06 256
2024 Oct 05 (Sat)	07:43 106	13:45 66S	19:45 251
2024 Oct 06 (Sun)	08:30 111	14:30 61S	20:28 247
2024 Oct 07 (Mon)	09:20 115	15:18 58S	21:16 244
2024 Oct 08 (Tue)	10:12 118	16:10 55S	22:07 242
2024 Oct 09 (Wed)	11:07 119	17:05 54S	23:02 241
2024 Oct 10 (Thu)	12:04 119	18:01 55S	23:59 242
2024 Oct 11 (Fri)	12:59 116	18:58 58S	
2024 Oct 12 (Sat)	13:52 113	19:53 62S	00:57 245
2024 Oct 13 (Sun)	14:43 108	20:46 67S	01:55 250
2024 Oct 14 (Mon)	15:32 101	21:38 74S	02:51 255
2024 Oct 15 (Tue)	16:19 94	22:29 81S	03:46 262
2024 Oct 16 (Wed)	17:06 86	23:20 89S	04:41 270
2024 Oct 17 (Thu)	17:55 79		05:36 277
2024 Oct 18 (Fri)	18:46 72	00:13 85N	06:33 284
2024 Oct 19 (Sat)	19:41 67	01:09 79N	07:33 291
2024 Oct 20 (Sun)	20:39 63	02:07 73N	08:36 295
2024 Oct 21 (Mon)	21:39 61	03:09 70N	09:39 298
2024 Oct 22 (Tue)	22:40 61	04:10 69N	10:41 299
2024 Oct 23 (Wed)	23:38 63	05:10 69N	11:39 298
2024 Oct 24 (Thu)		06:05 72N	12:31 295
2024 Oct 25 (Fri)	00:32 67	06:56 76N	13:19 291
2024 Oct 26 (Sat)	01:21 71	07:42 80N	14:01 286
2024 Oct 27 (Sun)	02:08 76	08:25 85N	14:40 281
2024 Oct 28 (Mon)	02:51 82	09:05 90S	15:17 275
2024 Oct 29 (Tue)	03:33 88	09:44 84S	15:53 269
2024 Oct 30 (Wed)	04:15 93	10:22 79S	16:29 264
2024 Oct 31 (Thu)	04:57 99	11:02 73S	17:06 258
2024 Nov 01 (Fri)	05:41 105	11:43 67S	17:45 253
2024 Nov 02 (Sat)	06:27 110	12:28 63S	18:27 248
2024 Nov 03 (Sun)	07:16 114	13:15 59S	19:13 245
2024 Nov 04 (Mon)	08:08 117	14:06 56S	20:03 242
2024 Nov 05 (Tue)	09:03 119	15:00 55S	20:57 241
2024 Nov 06 (Wed)	09:58 119	15:56 55S	21:53 242

2024 Nov 07 (Thu)	10:53 117	16:51 57S	22:50 244
2024 Nov 08 (Fri)	11:46 114	17:46 60S	23:46 248
2024 Nov 09 (Sat)	12:36 110	18:38 65S	
2024 Nov 10 (Sun)	13:24 104	19:28 71S	00:41 253
2024 Nov 11 (Mon)	14:09 97	20:17 78S	01:34 259
2024 Nov 12 (Tue)	14:55 90	21:06 85S	02:27 266
2024 Nov 13 (Wed)	15:41 83	21:57 89N	03:20 274
2024 Nov 14 (Thu)	16:30 76	22:50 82N	04:15 281
2024 Nov 15 (Fri)	17:22 70	23:47 76N	05:13 287
2024 Nov 16 (Sat)	18:19 65		06:14 293
2024 Nov 17 (Sun)	19:20 62	00:48 72N	07:18 297
2024 Nov 18 (Mon)	20:23 61	01:51 69N	08:22 299
2024 Nov 19 (Tue)	21:24 62	02:53 69N	09:24 298
2024 Nov 20 (Wed)	22:21 65	03:53 71N	10:21 296
2024 Nov 21 (Thu)	23:14 69	04:47 74N	11:12 293
2024 Nov 22 (Fri)		05:36 78N	11:57 288
2024 Nov 23 (Sat)	00:03 74	06:21 84N	12:38 283
2024 Nov 24 (Sun)	00:48 80	07:03 89N	13:16 277
2024 Nov 25 (Mon)	01:31 86	07:42 86S	13:52 271
2024 Nov 26 (Tue)	02:12 91	08:21 81S	14:28 266
2024 Nov 27 (Wed)	02:54 97	09:00 75S	15:04 260
2024 Nov 28 (Thu)	03:37 103	09:41 69S	15:43 255
2024 Nov 29 (Fri)	04:23 108	10:24 64S	16:24 250
2024 Nov 30 (Sat)	05:11 112	11:10 60S	17:09 246
2024 Dec 01 (Sun)	06:03 116	12:01 57S	17:59 243
2024 Dec 02 (Mon)	06:57 118	12:55 55S	18:52 241
2024 Dec 03 (Tue)	07:53 119	13:51 55S	19:48 242
2024 Dec 04 (Wed)	08:49 118	14:47 56S	20:46 243
2024 Dec 05 (Thu)	09:43 115	15:42 59S	21:42 247
2024 Dec 06 (Fri)	10:34 111	16:35 64S	22:37 252
2024 Dec 07 (Sat)	11:21 106	17:25 69S	23:30 257
2024 Dec 08 (Sun)	12:06 99	18:13 76S	
2024 Dec 09 (Mon)	12:50 93	19:00 83S	00:21 264
2024 Dec 10 (Tue)	13:34 85	19:48 90S	01:12 271
2024 Dec 11 (Wed)	14:20 79	20:38 85N	02:04 278
2024 Dec 12 (Thu)	15:09 72	21:31 79N	02:58 285
2024 Dec 13 (Fri)	16:02 67	22:29 74N	03:56 291
2024 Dec 14 (Sat)	17:01 63	23:30 70N	04:57 295
2024 Dec 15 (Sun)	18:02 61		06:01 298
2024 Dec 16 (Mon)	19:05 62	00:33 69N	07:05 299
2024 Dec 17 (Tue)	20:05 64	01:35 70N	08:05 297
2024 Dec 18 (Wed)	21:02 68	02:33 72N	09:00 294
2024 Dec 19 (Thu)	21:53 72	03:26 76N	09:48 290
2024 Dec 20 (Fri)	22:41 78	04:14 81N	10:32 285
2024 Dec 21 (Sat)	23:25 83	04:57 87N	11:12 279
2024 Dec 22 (Sun)		05:38 89S	11:49 274
2024 Dec 23 (Mon)	00:08 89	06:17 83S	12:25 268
2024 Dec 24 (Tue)	00:49 95	06:56 77S	13:02 262
2024 Dec 25 (Wed)	01:32 101	07:36 71S	13:39 257
2024 Dec 26 (Thu)	02:16 106	08:18 66S	14:19 252
2024 Dec 27 (Fri)	03:03 111	09:03 62S	15:02 247
2024 Dec 28 (Sat)	03:54 115	09:52 58S	15:50 244
2024 Dec 29 (Sun)	04:47 117	10:45 55S	16:43 242
2024 Dec 30 (Mon)	05:44 119	11:41 55S	17:39 241
2024 Dec 31 (Tue)	06:41 118	12:39 55S	18:37 243