

Sun

Surin

Location: E103°29'23.9", N14°53'02.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2025	Jan	01 (Wed)	05:42	06:32	114	12:10	53S	17:48	246	18:38
2025	Jan	02 (Thu)	05:42	06:32	114	12:10	53S	17:48	247	18:38
2025	Jan	03 (Fri)	05:42	06:32	113	12:11	53S	17:49	247	18:39
2025	Jan	04 (Sat)	05:43	06:33	113	12:11	53S	17:49	247	18:39
2025	Jan	05 (Sun)	05:43	06:33	113	12:11	53S	17:50	247	18:40
2025	Jan	06 (Mon)	05:44	06:33	113	12:12	53S	17:51	247	18:40
2025	Jan	07 (Tue)	05:44	06:34	113	12:12	53S	17:51	247	18:41
2025	Jan	08 (Wed)	05:44	06:34	113	12:13	54S	17:52	247	18:41
2025	Jan	09 (Thu)	05:45	06:34	113	12:13	54S	17:52	247	18:42
2025	Jan	10 (Fri)	05:45	06:34	113	12:14	54S	17:53	248	18:42
2025	Jan	11 (Sat)	05:45	06:35	112	12:14	54S	17:53	248	18:43
2025	Jan	12 (Sun)	05:45	06:35	112	12:14	54S	17:54	248	18:43
2025	Jan	13 (Mon)	05:46	06:35	112	12:15	54S	17:55	248	18:44
2025	Jan	14 (Tue)	05:46	06:35	112	12:15	55S	17:55	248	18:44
2025	Jan	15 (Wed)	05:46	06:35	112	12:15	55S	17:56	248	18:45
2025	Jan	16 (Thu)	05:46	06:35	111	12:16	55S	17:56	249	18:46
2025	Jan	17 (Fri)	05:46	06:35	111	12:16	55S	17:57	249	18:46
2025	Jan	18 (Sat)	05:46	06:36	111	12:16	55S	17:57	249	18:47
2025	Jan	19 (Sun)	05:47	06:36	111	12:17	56S	17:58	249	18:47
2025	Jan	20 (Mon)	05:47	06:36	111	12:17	56S	17:59	249	18:47
2025	Jan	21 (Tue)	05:47	06:36	110	12:17	56S	17:59	250	18:48
2025	Jan	22 (Wed)	05:47	06:36	110	12:18	56S	18:00	250	18:48
2025	Jan	23 (Thu)	05:47	06:36	110	12:18	56S	18:00	250	18:49
2025	Jan	24 (Fri)	05:47	06:36	110	12:18	57S	18:01	250	18:49
2025	Jan	25 (Sat)	05:47	06:36	109	12:18	57S	18:01	251	18:50
2025	Jan	26 (Sun)	05:47	06:36	109	12:19	57S	18:02	251	18:50
2025	Jan	27 (Mon)	05:47	06:35	109	12:19	57S	18:02	251	18:51
2025	Jan	28 (Tue)	05:47	06:35	109	12:19	58S	18:03	252	18:51
2025	Jan	29 (Wed)	05:47	06:35	108	12:19	58S	18:03	252	18:52
2025	Jan	30 (Thu)	05:47	06:35	108	12:19	58S	18:04	252	18:52
2025	Jan	31 (Fri)	05:47	06:35	108	12:19	59S	18:04	252	18:52
2025	Feb	01 (Sat)	05:47	06:35	107	12:20	59S	18:05	253	18:53
2025	Feb	02 (Sun)	05:46	06:34	107	12:20	59S	18:05	253	18:53
2025	Feb	03 (Mon)	05:46	06:34	107	12:20	59S	18:06	253	18:53
2025	Feb	04 (Tue)	05:46	06:34	107	12:20	60S	18:06	254	18:54
2025	Feb	05 (Wed)	05:46	06:34	106	12:20	60S	18:06	254	18:54
2025	Feb	06 (Thu)	05:46	06:34	106	12:20	60S	18:07	254	18:55
2025	Feb	07 (Fri)	05:46	06:33	106	12:20	61S	18:07	255	18:55
2025	Feb	08 (Sat)	05:45	06:33	105	12:20	61S	18:08	255	18:55
2025	Feb	09 (Sun)	05:45	06:33	105	12:20	61S	18:08	255	18:56
2025	Feb	10 (Mon)	05:45	06:32	105	12:20	62S	18:08	256	18:56
2025	Feb	11 (Tue)	05:45	06:32	104	12:20	62S	18:09	256	18:56
2025	Feb	12 (Wed)	05:44	06:32	104	12:20	62S	18:09	256	18:56
2025	Feb	13 (Thu)	05:44	06:31	104	12:20	63S	18:09	257	18:57
2025	Feb	14 (Fri)	05:44	06:31	103	12:20	63S	18:10	257	18:57
2025	Feb	15 (Sat)	05:43	06:30	103	12:20	63S	18:10	257	18:57
2025	Feb	16 (Sun)	05:43	06:30	103	12:20	64S	18:10	258	18:58
2025	Feb	17 (Mon)	05:42	06:29	102	12:20	64S	18:11	258	18:58
2025	Feb	18 (Tue)	05:42	06:29	102	12:20	64S	18:11	258	18:58
2025	Feb	19 (Wed)	05:42	06:28	101	12:20	65S	18:11	259	18:58
2025	Feb	20 (Thu)	05:41	06:28	101	12:20	65S	18:12	259	18:59
2025	Feb	21 (Fri)	05:41	06:27	101	12:20	65S	18:12	259	18:59
2025	Feb	22 (Sat)	05:40	06:27	100	12:19	66S	18:12	260	18:59
2025	Feb	23 (Sun)	05:40	06:26	100	12:19	66S	18:12	260	18:59
2025	Feb	24 (Mon)	05:39	06:26	100	12:19	66S	18:13	261	18:59
2025	Feb	25 (Tue)	05:39	06:25	99	12:19	67S	18:13	261	19:00
2025	Feb	26 (Wed)	05:38	06:25	99	12:19	67S	18:13	261	19:00
2025	Feb	27 (Thu)	05:38	06:24	98	12:19	68S	18:13	262	19:00
2025	Feb	28 (Fri)	05:37	06:24	98	12:19	68S	18:14	262	19:00
2025	Mar	01 (Sat)	05:37	06:23	98	12:18	68S	18:14	263	19:00

2025	Mar	02	(Sun)	05:36	06:22	97	12:18	69S	18:14	263	19:01
2025	Mar	03	(Mon)	05:35	06:22	97	12:18	69S	18:14	263	19:01
2025	Mar	04	(Tue)	05:35	06:21	96	12:18	69S	18:14	264	19:01
2025	Mar	05	(Wed)	05:34	06:21	96	12:18	70S	18:15	264	19:01
2025	Mar	06	(Thu)	05:34	06:20	96	12:17	70S	18:15	265	19:01
2025	Mar	07	(Fri)	05:33	06:19	95	12:17	71S	18:15	265	19:01
2025	Mar	08	(Sat)	05:32	06:19	95	12:17	71S	18:15	265	19:01
2025	Mar	09	(Sun)	05:32	06:18	94	12:17	71S	18:15	266	19:02
2025	Mar	10	(Mon)	05:31	06:17	94	12:16	72S	18:16	266	19:02
2025	Mar	11	(Tue)	05:30	06:17	94	12:16	72S	18:16	267	19:02
2025	Mar	12	(Wed)	05:30	06:16	93	12:16	73S	18:16	267	19:02
2025	Mar	13	(Thu)	05:29	06:15	93	12:15	73S	18:16	267	19:02
2025	Mar	14	(Fri)	05:28	06:15	92	12:15	73S	18:16	268	19:02
2025	Mar	15	(Sat)	05:28	06:14	92	12:15	74S	18:16	268	19:02
2025	Mar	16	(Sun)	05:27	06:13	92	12:15	74S	18:16	269	19:03
2025	Mar	17	(Mon)	05:26	06:12	91	12:14	75S	18:17	269	19:03
2025	Mar	18	(Tue)	05:26	06:12	91	12:14	75S	18:17	269	19:03
2025	Mar	19	(Wed)	05:25	06:11	90	12:14	75S	18:17	270	19:03
2025	Mar	20	(Thu)	05:24	06:10	90	12:13	76S	18:17	270	19:03
2025	Mar	21	(Fri)	05:23	06:10	90	12:13	76S	18:17	271	19:03
2025	Mar	22	(Sat)	05:23	06:09	89	12:13	77S	18:17	271	19:03
2025	Mar	23	(Sun)	05:22	06:08	89	12:13	77S	18:17	271	19:04
2025	Mar	24	(Mon)	05:21	06:07	88	12:12	77S	18:17	272	19:04
2025	Mar	25	(Tue)	05:20	06:07	88	12:12	78S	18:17	272	19:04
2025	Mar	26	(Wed)	05:20	06:06	88	12:12	78S	18:18	273	19:04
2025	Mar	27	(Thu)	05:19	06:05	87	12:11	79S	18:18	273	19:04
2025	Mar	28	(Fri)	05:18	06:05	87	12:11	79S	18:18	274	19:04
2025	Mar	29	(Sat)	05:17	06:04	86	12:11	79S	18:18	274	19:04
2025	Mar	30	(Sun)	05:17	06:03	86	12:10	80S	18:18	274	19:05
2025	Mar	31	(Mon)	05:16	06:02	85	12:10	80S	18:18	275	19:05
2025	Apr	01	(Tue)	05:15	06:02	85	12:10	80S	18:18	275	19:05
2025	Apr	02	(Wed)	05:14	06:01	85	12:10	81S	18:18	276	19:05
2025	Apr	03	(Thu)	05:14	06:00	84	12:09	81S	18:19	276	19:05
2025	Apr	04	(Fri)	05:13	06:00	84	12:09	82S	18:19	276	19:05
2025	Apr	05	(Sat)	05:12	05:59	83	12:09	82S	18:19	277	19:06
2025	Apr	06	(Sun)	05:11	05:58	83	12:08	82S	18:19	277	19:06
2025	Apr	07	(Mon)	05:11	05:57	83	12:08	83S	18:19	277	19:06
2025	Apr	08	(Tue)	05:10	05:57	82	12:08	83S	18:19	278	19:06
2025	Apr	09	(Wed)	05:09	05:56	82	12:08	83S	18:19	278	19:06
2025	Apr	10	(Thu)	05:09	05:55	82	12:07	84S	18:19	279	19:06
2025	Apr	11	(Fri)	05:08	05:55	81	12:07	84S	18:20	279	19:07
2025	Apr	12	(Sat)	05:07	05:54	81	12:07	85S	18:20	279	19:07
2025	Apr	13	(Sun)	05:06	05:53	80	12:07	85S	18:20	280	19:07
2025	Apr	14	(Mon)	05:06	05:53	80	12:06	85S	18:20	280	19:07
2025	Apr	15	(Tue)	05:05	05:52	80	12:06	86S	18:20	281	19:07
2025	Apr	16	(Wed)	05:04	05:52	79	12:06	86S	18:20	281	19:08
2025	Apr	17	(Thu)	05:04	05:51	79	12:06	86S	18:20	281	19:08
2025	Apr	18	(Fri)	05:03	05:50	79	12:05	87S	18:21	282	19:08
2025	Apr	19	(Sat)	05:02	05:50	78	12:05	87S	18:21	282	19:08
2025	Apr	20	(Sun)	05:01	05:49	78	12:05	87S	18:21	282	19:09
2025	Apr	21	(Mon)	05:01	05:48	78	12:05	88S	18:21	283	19:09
2025	Apr	22	(Tue)	05:00	05:48	77	12:05	88S	18:21	283	19:09
2025	Apr	23	(Wed)	05:00	05:47	77	12:04	88S	18:22	283	19:09
2025	Apr	24	(Thu)	04:59	05:47	76	12:04	89S	18:22	284	19:10
2025	Apr	25	(Fri)	04:58	05:46	76	12:04	89S	18:22	284	19:10
2025	Apr	26	(Sat)	04:58	05:46	76	12:04	89S	18:22	284	19:10
2025	Apr	27	(Sun)	04:57	05:45	75	12:04	90S	18:22	285	19:11
2025	Apr	28	(Mon)	04:56	05:45	75	12:04	90S	18:23	285	19:11
2025	Apr	29	(Tue)	04:56	05:44	75	12:03	90S	18:23	285	19:11
2025	Apr	30	(Wed)	04:55	05:44	74	12:03	91S	18:23	286	19:11
2025	May	01	(Thu)	04:55	05:43	74	12:03	90N	18:23	286	19:12
2025	May	02	(Fri)	04:54	05:43	74	12:03	90N	18:24	286	19:12
2025	May	03	(Sat)	04:54	05:42	74	12:03	90N	18:24	287	19:12
2025	May	04	(Sun)	04:53	05:42	73	12:03	90N	18:24	287	19:13
2025	May	05	(Mon)	04:53	05:41	73	12:03	89N	18:24	287	19:13
2025	May	06	(Tue)	04:52	05:41	73	12:03	89N	18:25	288	19:13
2025	May	07	(Wed)	04:52	05:41	72	12:03	89N	18:25	288	19:14
2025	May	08	(Thu)	04:51	05:40	72	12:03	88N	18:25	288	19:14
2025	May	09	(Fri)	04:51	05:40	72	12:02	88N	18:25	288	19:15
2025	May	10	(Sat)	04:50	05:39	72	12:02	88N	18:26	289	19:15
2025	May	11	(Sun)	04:50	05:39	71	12:02	88N	18:26	289	19:15
2025	May	12	(Mon)	04:49	05:39	71	12:02	87N	18:26	289	19:16

2025	May	13	(Tue)	04:49	05:38	71	12:02	87N	18:26	289	19:16
2025	May	14	(Wed)	04:49	05:38	70	12:02	87N	18:27	290	19:16
2025	May	15	(Thu)	04:48	05:38	70	12:02	87N	18:27	290	19:17
2025	May	16	(Fri)	04:48	05:38	70	12:02	86N	18:27	290	19:17
2025	May	17	(Sat)	04:48	05:37	70	12:02	86N	18:28	290	19:18
2025	May	18	(Sun)	04:47	05:37	70	12:02	86N	18:28	291	19:18
2025	May	19	(Mon)	04:47	05:37	69	12:03	86N	18:28	291	19:18
2025	May	20	(Tue)	04:47	05:37	69	12:03	86N	18:29	291	19:19
2025	May	21	(Wed)	04:46	05:37	69	12:03	85N	18:29	291	19:19
2025	May	22	(Thu)	04:46	05:36	69	12:03	85N	18:29	291	19:20
2025	May	23	(Fri)	04:46	05:36	68	12:03	85N	18:30	292	19:20
2025	May	24	(Sat)	04:46	05:36	68	12:03	85N	18:30	292	19:20
2025	May	25	(Sun)	04:45	05:36	68	12:03	85N	18:30	292	19:21
2025	May	26	(Mon)	04:45	05:36	68	12:03	84N	18:30	292	19:21
2025	May	27	(Tue)	04:45	05:36	68	12:03	84N	18:31	292	19:22
2025	May	28	(Wed)	04:45	05:36	68	12:03	84N	18:31	293	19:22
2025	May	29	(Thu)	04:45	05:36	67	12:03	84N	18:31	293	19:22
2025	May	30	(Fri)	04:45	05:35	67	12:04	84N	18:32	293	19:23
2025	May	31	(Sat)	04:45	05:35	67	12:04	84N	18:32	293	19:23
2025	Jun	01	(Sun)	04:44	05:35	67	12:04	84N	18:32	293	19:24
2025	Jun	02	(Mon)	04:44	05:35	67	12:04	83N	18:33	293	19:24
2025	Jun	03	(Tue)	04:44	05:35	67	12:04	83N	18:33	293	19:24
2025	Jun	04	(Wed)	04:44	05:35	67	12:04	83N	18:33	294	19:25
2025	Jun	05	(Thu)	04:44	05:35	66	12:05	83N	18:34	294	19:25
2025	Jun	06	(Fri)	04:44	05:35	66	12:05	83N	18:34	294	19:25
2025	Jun	07	(Sat)	04:44	05:36	66	12:05	83N	18:34	294	19:26
2025	Jun	08	(Sun)	04:44	05:36	66	12:05	83N	18:35	294	19:26
2025	Jun	09	(Mon)	04:44	05:36	66	12:05	83N	18:35	294	19:26
2025	Jun	10	(Tue)	04:44	05:36	66	12:06	83N	18:35	294	19:27
2025	Jun	11	(Wed)	04:44	05:36	66	12:06	82N	18:36	294	19:27
2025	Jun	12	(Thu)	04:45	05:36	66	12:06	82N	18:36	294	19:27
2025	Jun	13	(Fri)	04:45	05:36	66	12:06	82N	18:36	294	19:28
2025	Jun	14	(Sat)	04:45	05:36	66	12:06	82N	18:36	294	19:28
2025	Jun	15	(Sun)	04:45	05:36	66	12:07	82N	18:37	294	19:28
2025	Jun	16	(Mon)	04:45	05:37	66	12:07	82N	18:37	294	19:29
2025	Jun	17	(Tue)	04:45	05:37	66	12:07	82N	18:37	295	19:29
2025	Jun	18	(Wed)	04:45	05:37	65	12:07	82N	18:37	295	19:29
2025	Jun	19	(Thu)	04:46	05:37	65	12:07	82N	18:38	295	19:29
2025	Jun	20	(Fri)	04:46	05:37	65	12:08	82N	18:38	295	19:30
2025	Jun	21	(Sat)	04:46	05:38	65	12:08	82N	18:38	295	19:30
2025	Jun	22	(Sun)	04:46	05:38	65	12:08	82N	18:38	295	19:30
2025	Jun	23	(Mon)	04:46	05:38	65	12:08	82N	18:39	295	19:30
2025	Jun	24	(Tue)	04:47	05:38	65	12:08	82N	18:39	295	19:30
2025	Jun	25	(Wed)	04:47	05:39	66	12:09	82N	18:39	294	19:31
2025	Jun	26	(Thu)	04:47	05:39	66	12:09	82N	18:39	294	19:31
2025	Jun	27	(Fri)	04:47	05:39	66	12:09	82N	18:39	294	19:31
2025	Jun	28	(Sat)	04:48	05:39	66	12:09	82N	18:39	294	19:31
2025	Jun	29	(Sun)	04:48	05:40	66	12:10	82N	18:40	294	19:31
2025	Jun	30	(Mon)	04:48	05:40	66	12:10	82N	18:40	294	19:31
2025	Jul	01	(Tue)	04:49	05:40	66	12:10	83N	18:40	294	19:31
2025	Jul	02	(Wed)	04:49	05:40	66	12:10	83N	18:40	294	19:31
2025	Jul	03	(Thu)	04:49	05:41	66	12:10	83N	18:40	294	19:31
2025	Jul	04	(Fri)	04:50	05:41	66	12:11	83N	18:40	294	19:31
2025	Jul	05	(Sat)	04:50	05:41	66	12:11	83N	18:40	294	19:31
2025	Jul	06	(Sun)	04:50	05:42	66	12:11	83N	18:40	294	19:31
2025	Jul	07	(Mon)	04:51	05:42	66	12:11	83N	18:40	294	19:31
2025	Jul	08	(Tue)	04:51	05:42	66	12:11	83N	18:40	293	19:31
2025	Jul	09	(Wed)	04:51	05:42	67	12:11	83N	18:40	293	19:31
2025	Jul	10	(Thu)	04:52	05:43	67	12:11	83N	18:40	293	19:31
2025	Jul	11	(Fri)	04:52	05:43	67	12:12	84N	18:40	293	19:31
2025	Jul	12	(Sat)	04:52	05:43	67	12:12	84N	18:40	293	19:31
2025	Jul	13	(Sun)	04:53	05:44	67	12:12	84N	18:40	293	19:31
2025	Jul	14	(Mon)	04:53	05:44	67	12:12	84N	18:40	293	19:31
2025	Jul	15	(Tue)	04:53	05:44	67	12:12	84N	18:40	292	19:30
2025	Jul	16	(Wed)	04:54	05:45	68	12:12	84N	18:40	292	19:30
2025	Jul	17	(Thu)	04:54	05:45	68	12:12	84N	18:39	292	19:30
2025	Jul	18	(Fri)	04:55	05:45	68	12:12	85N	18:39	292	19:30
2025	Jul	19	(Sat)	04:55	05:45	68	12:12	85N	18:39	292	19:30
2025	Jul	20	(Sun)	04:55	05:46	68	12:12	85N	18:39	292	19:29
2025	Jul	21	(Mon)	04:56	05:46	69	12:12	85N	18:39	291	19:29
2025	Jul	22	(Tue)	04:56	05:46	69	12:13	85N	18:39	291	19:29
2025	Jul	23	(Wed)	04:56	05:47	69	12:13	86N	18:38	291	19:29

2025	Jul	24	(Thu)	04:57	05:47	69	12:13	86N	18:38	291	19:28
2025	Jul	25	(Fri)	04:57	05:47	69	12:13	86N	18:38	290	19:28
2025	Jul	26	(Sat)	04:58	05:47	70	12:13	86N	18:38	290	19:28
2025	Jul	27	(Sun)	04:58	05:48	70	12:13	86N	18:37	290	19:27
2025	Jul	28	(Mon)	04:58	05:48	70	12:13	87N	18:37	290	19:27
2025	Jul	29	(Tue)	04:59	05:48	70	12:13	87N	18:37	290	19:26
2025	Jul	30	(Wed)	04:59	05:49	71	12:13	87N	18:36	289	19:26
2025	Jul	31	(Thu)	04:59	05:49	71	12:12	87N	18:36	289	19:25
2025	Aug	01	(Fri)	05:00	05:49	71	12:12	88N	18:36	289	19:25
2025	Aug	02	(Sat)	05:00	05:49	71	12:12	88N	18:35	288	19:25
2025	Aug	03	(Sun)	05:00	05:49	72	12:12	88N	18:35	288	19:24
2025	Aug	04	(Mon)	05:01	05:50	72	12:12	88N	18:35	288	19:24
2025	Aug	05	(Tue)	05:01	05:50	72	12:12	89N	18:34	288	19:23
2025	Aug	06	(Wed)	05:01	05:50	72	12:12	89N	18:34	287	19:23
2025	Aug	07	(Thu)	05:01	05:50	73	12:12	89N	18:33	287	19:22
2025	Aug	08	(Fri)	05:02	05:51	73	12:12	90N	18:33	287	19:21
2025	Aug	09	(Sat)	05:02	05:51	73	12:12	90N	18:32	286	19:21
2025	Aug	10	(Sun)	05:02	05:51	74	12:11	90N	18:32	286	19:20
2025	Aug	11	(Mon)	05:03	05:51	74	12:11	90N	18:31	286	19:20
2025	Aug	12	(Tue)	05:03	05:51	74	12:11	91N	18:31	286	19:19
2025	Aug	13	(Wed)	05:03	05:51	75	12:11	90S	18:30	285	19:19
2025	Aug	14	(Thu)	05:03	05:52	75	12:11	90S	18:30	285	19:18
2025	Aug	15	(Fri)	05:04	05:52	75	12:11	90S	18:29	285	19:17
2025	Aug	16	(Sat)	05:04	05:52	76	12:10	89S	18:29	284	19:17
2025	Aug	17	(Sun)	05:04	05:52	76	12:10	89S	18:28	284	19:16
2025	Aug	18	(Mon)	05:04	05:52	76	12:10	89S	18:27	284	19:15
2025	Aug	19	(Tue)	05:05	05:52	77	12:10	89S	18:27	283	19:15
2025	Aug	20	(Wed)	05:05	05:53	77	12:09	88S	18:26	283	19:14
2025	Aug	21	(Thu)	05:05	05:53	77	12:09	88S	18:26	283	19:13
2025	Aug	22	(Fri)	05:05	05:53	78	12:09	88S	18:25	282	19:13
2025	Aug	23	(Sat)	05:05	05:53	78	12:09	87S	18:24	282	19:12
2025	Aug	24	(Sun)	05:06	05:53	78	12:08	87S	18:24	282	19:11
2025	Aug	25	(Mon)	05:06	05:53	79	12:08	86S	18:23	281	19:10
2025	Aug	26	(Tue)	05:06	05:53	79	12:08	86S	18:22	281	19:10
2025	Aug	27	(Wed)	05:06	05:53	79	12:08	86S	18:22	280	19:09
2025	Aug	28	(Thu)	05:06	05:53	80	12:07	85S	18:21	280	19:08
2025	Aug	29	(Fri)	05:06	05:54	80	12:07	85S	18:20	280	19:07
2025	Aug	30	(Sat)	05:07	05:54	80	12:07	85S	18:20	279	19:07
2025	Aug	31	(Sun)	05:07	05:54	81	12:06	84S	18:19	279	19:06
2025	Sep	01	(Mon)	05:07	05:54	81	12:06	84S	18:18	279	19:05
2025	Sep	02	(Tue)	05:07	05:54	82	12:06	84S	18:17	278	19:04
2025	Sep	03	(Wed)	05:07	05:54	82	12:05	83S	18:17	278	19:04
2025	Sep	04	(Thu)	05:07	05:54	82	12:05	83S	18:16	277	19:03
2025	Sep	05	(Fri)	05:07	05:54	83	12:05	83S	18:15	277	19:02
2025	Sep	06	(Sat)	05:07	05:54	83	12:04	82S	18:14	277	19:01
2025	Sep	07	(Sun)	05:08	05:54	84	12:04	82S	18:14	276	19:00
2025	Sep	08	(Mon)	05:08	05:54	84	12:04	81S	18:13	276	19:00
2025	Sep	09	(Tue)	05:08	05:54	84	12:03	81S	18:12	276	18:59
2025	Sep	10	(Wed)	05:08	05:54	85	12:03	81S	18:11	275	18:58
2025	Sep	11	(Thu)	05:08	05:54	85	12:03	80S	18:11	275	18:57
2025	Sep	12	(Fri)	05:08	05:55	85	12:02	80S	18:10	274	18:56
2025	Sep	13	(Sat)	05:08	05:55	86	12:02	80S	18:09	274	18:56
2025	Sep	14	(Sun)	05:08	05:55	86	12:02	79S	18:08	274	18:55
2025	Sep	15	(Mon)	05:08	05:55	87	12:01	79S	18:08	273	18:54
2025	Sep	16	(Tue)	05:08	05:55	87	12:01	78S	18:07	273	18:53
2025	Sep	17	(Wed)	05:08	05:55	87	12:01	78S	18:06	272	18:52
2025	Sep	18	(Thu)	05:09	05:55	88	12:00	78S	18:05	272	18:52
2025	Sep	19	(Fri)	05:09	05:55	88	12:00	77S	18:05	272	18:51
2025	Sep	20	(Sat)	05:09	05:55	89	11:59	77S	18:04	271	18:50
2025	Sep	21	(Sun)	05:09	05:55	89	11:59	76S	18:03	271	18:49
2025	Sep	22	(Mon)	05:09	05:55	89	11:59	76S	18:02	270	18:48
2025	Sep	23	(Tue)	05:09	05:55	90	11:58	76S	18:01	270	18:48
2025	Sep	24	(Wed)	05:09	05:55	90	11:58	75S	18:01	270	18:47
2025	Sep	25	(Thu)	05:09	05:55	91	11:58	75S	18:00	269	18:46
2025	Sep	26	(Fri)	05:09	05:55	91	11:57	74S	17:59	269	18:45
2025	Sep	27	(Sat)	05:09	05:55	91	11:57	74S	17:58	268	18:45
2025	Sep	28	(Sun)	05:09	05:56	92	11:57	74S	17:58	268	18:44
2025	Sep	29	(Mon)	05:09	05:56	92	11:56	73S	17:57	268	18:43
2025	Sep	30	(Tue)	05:09	05:56	93	11:56	73S	17:56	267	18:42
2025	Oct	01	(Wed)	05:10	05:56	93	11:56	73S	17:55	267	18:42
2025	Oct	02	(Thu)	05:10	05:56	93	11:55	72S	17:55	266	18:41
2025	Oct	03	(Fri)	05:10	05:56	94	11:55	72S	17:54	266	18:40

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

2025	Dec	15	(Mon)	05:33	06:23	114	12:01	53S	17:39	246	18:29
2025	Dec	16	(Tue)	05:34	06:24	114	12:02	53S	17:39	246	18:29
2025	Dec	17	(Wed)	05:35	06:25	114	12:02	52S	17:40	246	18:30
2025	Dec	18	(Thu)	05:35	06:25	114	12:03	52S	17:40	246	18:30
2025	Dec	19	(Fri)	05:36	06:26	114	12:03	52S	17:41	246	18:31
2025	Dec	20	(Sat)	05:36	06:26	114	12:04	52S	17:41	246	18:31
2025	Dec	21	(Sun)	05:37	06:27	114	12:04	52S	17:42	246	18:32
2025	Dec	22	(Mon)	05:37	06:27	114	12:05	52S	17:42	246	18:32
2025	Dec	23	(Tue)	05:38	06:28	114	12:05	52S	17:43	246	18:33
2025	Dec	24	(Wed)	05:38	06:28	114	12:06	52S	17:43	246	18:33
2025	Dec	25	(Thu)	05:39	06:29	114	12:06	52S	17:44	246	18:34
2025	Dec	26	(Fri)	05:39	06:29	114	12:07	52S	17:44	246	18:34
2025	Dec	27	(Sat)	05:39	06:29	114	12:07	53S	17:45	246	18:35
2025	Dec	28	(Sun)	05:40	06:30	114	12:08	53S	17:45	246	18:35
2025	Dec	29	(Mon)	05:40	06:30	114	12:08	53S	17:46	246	18:36
2025	Dec	30	(Tue)	05:41	06:31	114	12:09	53S	17:46	246	18:36
2025	Dec	31	(Wed)	05:41	06:31	114	12:09	53S	17:47	246	18:37

Sun

Surin

Location: E103°29'23.9", N14°53'02.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Civil Twilight			Rise Az.			Transit Alt.			Set Az.			End Civil Twilight		
			h	m		h	m	°	h	m	°	h	m	°	h	m	
2025	Jan	01	(Wed)	06:08		06:32	114		12:10	53S		17:48	246		18:11		
2025	Jan	02	(Thu)	06:09		06:32	114		12:10	53S		17:48	247		18:11		
2025	Jan	03	(Fri)	06:09		06:32	113		12:11	53S		17:49	247		18:12		
2025	Jan	04	(Sat)	06:10		06:33	113		12:11	53S		17:49	247		18:13		
2025	Jan	05	(Sun)	06:10		06:33	113		12:11	53S		17:50	247		18:13		
2025	Jan	06	(Mon)	06:10		06:33	113		12:12	53S		17:51	247		18:14		
2025	Jan	07	(Tue)	06:10		06:34	113		12:12	53S		17:51	247		18:14		
2025	Jan	08	(Wed)	06:11		06:34	113		12:13	54S		17:52	247		18:15		
2025	Jan	09	(Thu)	06:11		06:34	113		12:13	54S		17:52	247		18:15		
2025	Jan	10	(Fri)	06:11		06:34	113		12:14	54S		17:53	248		18:16		
2025	Jan	11	(Sat)	06:12		06:35	112		12:14	54S		17:53	248		18:16		
2025	Jan	12	(Sun)	06:12		06:35	112		12:14	54S		17:54	248		18:17		
2025	Jan	13	(Mon)	06:12		06:35	112		12:15	54S		17:55	248		18:18		
2025	Jan	14	(Tue)	06:12		06:35	112		12:15	55S		17:55	248		18:18		
2025	Jan	15	(Wed)	06:12		06:35	112		12:15	55S		17:56	248		18:19		
2025	Jan	16	(Thu)	06:12		06:35	111		12:16	55S		17:56	249		18:19		
2025	Jan	17	(Fri)	06:13		06:35	111		12:16	55S		17:57	249		18:20		
2025	Jan	18	(Sat)	06:13		06:36	111		12:16	55S		17:57	249		18:20		
2025	Jan	19	(Sun)	06:13		06:36	111		12:17	56S		17:58	249		18:21		
2025	Jan	20	(Mon)	06:13		06:36	111		12:17	56S		17:59	249		18:21		
2025	Jan	21	(Tue)	06:13		06:36	110		12:17	56S		17:59	250		18:22		
2025	Jan	22	(Wed)	06:13		06:36	110		12:18	56S		18:00	250		18:22		
2025	Jan	23	(Thu)	06:13		06:36	110		12:18	56S		18:00	250		18:23		
2025	Jan	24	(Fri)	06:13		06:36	110		12:18	57S		18:01	250		18:23		
2025	Jan	25	(Sat)	06:13		06:36	109		12:18	57S		18:01	251		18:24		
2025	Jan	26	(Sun)	06:13		06:36	109		12:19	57S		18:02	251		18:24		
2025	Jan	27	(Mon)	06:13		06:35	109		12:19	57S		18:02	251		18:25		
2025	Jan	28	(Tue)	06:13		06:35	109		12:19	58S		18:03	252		18:25		
2025	Jan	29	(Wed)	06:13		06:35	108		12:19	58S		18:03	252		18:26		
2025	Jan	30	(Thu)	06:13		06:35	108		12:19	58S		18:04	252		18:26		
2025	Jan	31	(Fri)	06:13		06:35	108		12:19	59S		18:04	252		18:27		
2025	Feb	01	(Sat)	06:12		06:35	107		12:20	59S		18:05	253		18:27		
2025	Feb	02	(Sun)	06:12		06:34	107		12:20	59S		18:05	253		18:27		
2025	Feb	03	(Mon)	06:12		06:34	107		12:20	59S		18:06	253		18:28		
2025	Feb	04	(Tue)	06:12		06:34	107		12:20	60S		18:06	254		18:28		
2025	Feb	05	(Wed)	06:12		06:34	106		12:20	60S		18:06	254		18:29		
2025	Feb	06	(Thu)	06:11		06:34	106		12:20	60S		18:07	254		18:29		
2025	Feb	07	(Fri)	06:11		06:33	106		12:20	61S		18:07	255		18:29		
2025	Feb	08	(Sat)	06:11		06:33	105		12:20	61S		18:08	255		18:30		
2025	Feb	09	(Sun)	06:11		06:33	105		12:20	61S		18:08	255		18:30		
2025	Feb	10	(Mon)	06:10		06:32	105		12:20	62S		18:08	256		18:30		
2025	Feb	11	(Tue)	06:10		06:32	104		12:20	62S		18:09	256		18:31		

2025	Feb	12	(Wed)	06:10	06:32	104	12:20	62S	18:09	256	18:31
2025	Feb	13	(Thu)	06:09	06:31	104	12:20	63S	18:09	257	18:31
2025	Feb	14	(Fri)	06:09	06:31	103	12:20	63S	18:10	257	18:32
2025	Feb	15	(Sat)	06:08	06:30	103	12:20	63S	18:10	257	18:32
2025	Feb	16	(Sun)	06:08	06:30	103	12:20	64S	18:10	258	18:32
2025	Feb	17	(Mon)	06:08	06:29	102	12:20	64S	18:11	258	18:33
2025	Feb	18	(Tue)	06:07	06:29	102	12:20	64S	18:11	258	18:33
2025	Feb	19	(Wed)	06:07	06:28	101	12:20	65S	18:11	259	18:33
2025	Feb	20	(Thu)	06:06	06:28	101	12:20	65S	18:12	259	18:33
2025	Feb	21	(Fri)	06:06	06:27	101	12:20	65S	18:12	259	18:34
2025	Feb	22	(Sat)	06:05	06:27	100	12:19	66S	18:12	260	18:34
2025	Feb	23	(Sun)	06:05	06:26	100	12:19	66S	18:12	260	18:34
2025	Feb	24	(Mon)	06:04	06:26	100	12:19	66S	18:13	261	18:34
2025	Feb	25	(Tue)	06:04	06:25	99	12:19	67S	18:13	261	18:35
2025	Feb	26	(Wed)	06:03	06:25	99	12:19	67S	18:13	261	18:35
2025	Feb	27	(Thu)	06:03	06:24	98	12:19	68S	18:13	262	18:35
2025	Feb	28	(Fri)	06:02	06:24	98	12:19	68S	18:14	262	18:35
2025	Mar	01	(Sat)	06:02	06:23	98	12:18	68S	18:14	263	18:35
2025	Mar	02	(Sun)	06:01	06:22	97	12:18	69S	18:14	263	18:36
2025	Mar	03	(Mon)	06:00	06:22	97	12:18	69S	18:14	263	18:36
2025	Mar	04	(Tue)	06:00	06:21	96	12:18	69S	18:14	264	18:36
2025	Mar	05	(Wed)	05:59	06:21	96	12:18	70S	18:15	264	18:36
2025	Mar	06	(Thu)	05:58	06:20	96	12:17	70S	18:15	265	18:36
2025	Mar	07	(Fri)	05:58	06:19	95	12:17	71S	18:15	265	18:36
2025	Mar	08	(Sat)	05:57	06:19	95	12:17	71S	18:15	265	18:37
2025	Mar	09	(Sun)	05:57	06:18	94	12:17	71S	18:15	266	18:37
2025	Mar	10	(Mon)	05:56	06:17	94	12:16	72S	18:16	266	18:37
2025	Mar	11	(Tue)	05:55	06:17	94	12:16	72S	18:16	267	18:37
2025	Mar	12	(Wed)	05:55	06:16	93	12:16	73S	18:16	267	18:37
2025	Mar	13	(Thu)	05:54	06:15	93	12:15	73S	18:16	267	18:37
2025	Mar	14	(Fri)	05:53	06:15	92	12:15	73S	18:16	268	18:38
2025	Mar	15	(Sat)	05:52	06:14	92	12:15	74S	18:16	268	18:38
2025	Mar	16	(Sun)	05:52	06:13	92	12:15	74S	18:16	269	18:38
2025	Mar	17	(Mon)	05:51	06:12	91	12:14	75S	18:17	269	18:38
2025	Mar	18	(Tue)	05:50	06:12	91	12:14	75S	18:17	269	18:38
2025	Mar	19	(Wed)	05:50	06:11	90	12:14	75S	18:17	270	18:38
2025	Mar	20	(Thu)	05:49	06:10	90	12:13	76S	18:17	270	18:38
2025	Mar	21	(Fri)	05:48	06:10	90	12:13	76S	18:17	271	18:38
2025	Mar	22	(Sat)	05:47	06:09	89	12:13	77S	18:17	271	18:39
2025	Mar	23	(Sun)	05:47	06:08	89	12:13	77S	18:17	271	18:39
2025	Mar	24	(Mon)	05:46	06:07	88	12:12	77S	18:17	272	18:39
2025	Mar	25	(Tue)	05:45	06:07	88	12:12	78S	18:17	272	18:39
2025	Mar	26	(Wed)	05:45	06:06	88	12:12	78S	18:18	273	18:39
2025	Mar	27	(Thu)	05:44	06:05	87	12:11	79S	18:18	273	18:39
2025	Mar	28	(Fri)	05:43	06:05	87	12:11	79S	18:18	274	18:39
2025	Mar	29	(Sat)	05:42	06:04	86	12:11	79S	18:18	274	18:39
2025	Mar	30	(Sun)	05:42	06:03	86	12:10	80S	18:18	274	18:40
2025	Mar	31	(Mon)	05:41	06:02	85	12:10	80S	18:18	275	18:40
2025	Apr	01	(Tue)	05:40	06:02	85	12:10	80S	18:18	275	18:40
2025	Apr	02	(Wed)	05:39	06:01	85	12:10	81S	18:18	276	18:40
2025	Apr	03	(Thu)	05:39	06:00	84	12:09	81S	18:19	276	18:40
2025	Apr	04	(Fri)	05:38	06:00	84	12:09	82S	18:19	276	18:40
2025	Apr	05	(Sat)	05:37	05:59	83	12:09	82S	18:19	277	18:40
2025	Apr	06	(Sun)	05:37	05:58	83	12:08	82S	18:19	277	18:41
2025	Apr	07	(Mon)	05:36	05:57	83	12:08	83S	18:19	277	18:41
2025	Apr	08	(Tue)	05:35	05:57	82	12:08	83S	18:19	278	18:41
2025	Apr	09	(Wed)	05:34	05:56	82	12:08	83S	18:19	278	18:41
2025	Apr	10	(Thu)	05:34	05:55	82	12:07	84S	18:19	279	18:41
2025	Apr	11	(Fri)	05:33	05:55	81	12:07	84S	18:20	279	18:41
2025	Apr	12	(Sat)	05:32	05:54	81	12:07	85S	18:20	279	18:41
2025	Apr	13	(Sun)	05:32	05:53	80	12:07	85S	18:20	280	18:42
2025	Apr	14	(Mon)	05:31	05:53	80	12:06	85S	18:20	280	18:42
2025	Apr	15	(Tue)	05:30	05:52	80	12:06	86S	18:20	281	18:42
2025	Apr	16	(Wed)	05:30	05:52	79	12:06	86S	18:20	281	18:42
2025	Apr	17	(Thu)	05:29	05:51	79	12:06	86S	18:20	281	18:42
2025	Apr	18	(Fri)	05:28	05:50	79	12:05	87S	18:21	282	18:43
2025	Apr	19	(Sat)	05:28	05:50	78	12:05	87S	18:21	282	18:43
2025	Apr	20	(Sun)	05:27	05:49	78	12:05	87S	18:21	282	18:43
2025	Apr	21	(Mon)	05:27	05:48	78	12:05	88S	18:21	283	18:43
2025	Apr	22	(Tue)	05:26	05:48	77	12:05	88S	18:21	283	18:43
2025	Apr	23	(Wed)	05:25	05:47	77	12:04	88S	18:22	283	18:44
2025	Apr	24	(Thu)	05:25	05:47	76	12:04	89S	18:22	284	18:44

2025	Apr	25	(Fri)	05:24	05:46	76	12:04	89S	18:22	284	18:44
2025	Apr	26	(Sat)	05:24	05:46	76	12:04	89S	18:22	284	18:44
2025	Apr	27	(Sun)	05:23	05:45	75	12:04	90S	18:22	285	18:45
2025	Apr	28	(Mon)	05:22	05:45	75	12:04	90S	18:23	285	18:45
2025	Apr	29	(Tue)	05:22	05:44	75	12:03	90S	18:23	285	18:45
2025	Apr	30	(Wed)	05:21	05:44	74	12:03	91S	18:23	286	18:45
2025	May	01	(Thu)	05:21	05:43	74	12:03	90N	18:23	286	18:46
2025	May	02	(Fri)	05:20	05:43	74	12:03	90N	18:24	286	18:46
2025	May	03	(Sat)	05:20	05:42	74	12:03	90N	18:24	287	18:46
2025	May	04	(Sun)	05:19	05:42	73	12:03	90N	18:24	287	18:46
2025	May	05	(Mon)	05:19	05:41	73	12:03	89N	18:24	287	18:47
2025	May	06	(Tue)	05:18	05:41	73	12:03	89N	18:25	288	18:47
2025	May	07	(Wed)	05:18	05:41	72	12:03	89N	18:25	288	18:47
2025	May	08	(Thu)	05:18	05:40	72	12:03	88N	18:25	288	18:48
2025	May	09	(Fri)	05:17	05:40	72	12:02	88N	18:25	288	18:48
2025	May	10	(Sat)	05:17	05:39	72	12:02	88N	18:26	289	18:48
2025	May	11	(Sun)	05:16	05:39	71	12:02	88N	18:26	289	18:49
2025	May	12	(Mon)	05:16	05:39	71	12:02	87N	18:26	289	18:49
2025	May	13	(Tue)	05:16	05:38	71	12:02	87N	18:26	289	18:49
2025	May	14	(Wed)	05:15	05:38	70	12:02	87N	18:27	290	18:50
2025	May	15	(Thu)	05:15	05:38	70	12:02	87N	18:27	290	18:50
2025	May	16	(Fri)	05:15	05:38	70	12:02	86N	18:27	290	18:50
2025	May	17	(Sat)	05:14	05:37	70	12:02	86N	18:28	290	18:51
2025	May	18	(Sun)	05:14	05:37	70	12:02	86N	18:28	291	18:51
2025	May	19	(Mon)	05:14	05:37	69	12:03	86N	18:28	291	18:51
2025	May	20	(Tue)	05:14	05:37	69	12:03	86N	18:29	291	18:52
2025	May	21	(Wed)	05:13	05:37	69	12:03	85N	18:29	291	18:52
2025	May	22	(Thu)	05:13	05:36	69	12:03	85N	18:29	291	18:52
2025	May	23	(Fri)	05:13	05:36	68	12:03	85N	18:30	292	18:53
2025	May	24	(Sat)	05:13	05:36	68	12:03	85N	18:30	292	18:53
2025	May	25	(Sun)	05:13	05:36	68	12:03	85N	18:30	292	18:53
2025	May	26	(Mon)	05:13	05:36	68	12:03	84N	18:30	292	18:54
2025	May	27	(Tue)	05:12	05:36	68	12:03	84N	18:31	292	18:54
2025	May	28	(Wed)	05:12	05:36	68	12:03	84N	18:31	293	18:54
2025	May	29	(Thu)	05:12	05:36	67	12:03	84N	18:31	293	18:55
2025	May	30	(Fri)	05:12	05:35	67	12:04	84N	18:32	293	18:55
2025	May	31	(Sat)	05:12	05:35	67	12:04	84N	18:32	293	18:56
2025	Jun	01	(Sun)	05:12	05:35	67	12:04	84N	18:32	293	18:56
2025	Jun	02	(Mon)	05:12	05:35	67	12:04	83N	18:33	293	18:56
2025	Jun	03	(Tue)	05:12	05:35	67	12:04	83N	18:33	293	18:57
2025	Jun	04	(Wed)	05:12	05:35	67	12:04	83N	18:33	294	18:57
2025	Jun	05	(Thu)	05:12	05:35	66	12:05	83N	18:34	294	18:57
2025	Jun	06	(Fri)	05:12	05:35	66	12:05	83N	18:34	294	18:58
2025	Jun	07	(Sat)	05:12	05:36	66	12:05	83N	18:34	294	18:58
2025	Jun	08	(Sun)	05:12	05:36	66	12:05	83N	18:35	294	18:58
2025	Jun	09	(Mon)	05:12	05:36	66	12:05	83N	18:35	294	18:59
2025	Jun	10	(Tue)	05:12	05:36	66	12:06	83N	18:35	294	18:59
2025	Jun	11	(Wed)	05:12	05:36	66	12:06	82N	18:36	294	18:59
2025	Jun	12	(Thu)	05:12	05:36	66	12:06	82N	18:36	294	18:59
2025	Jun	13	(Fri)	05:12	05:36	66	12:06	82N	18:36	294	19:00
2025	Jun	14	(Sat)	05:13	05:36	66	12:06	82N	18:36	294	19:00
2025	Jun	15	(Sun)	05:13	05:36	66	12:07	82N	18:37	294	19:00
2025	Jun	16	(Mon)	05:13	05:37	66	12:07	82N	18:37	294	19:01
2025	Jun	17	(Tue)	05:13	05:37	66	12:07	82N	18:37	295	19:01
2025	Jun	18	(Wed)	05:13	05:37	65	12:07	82N	18:37	295	19:01
2025	Jun	19	(Thu)	05:13	05:37	65	12:07	82N	18:38	295	19:01
2025	Jun	20	(Fri)	05:14	05:37	65	12:08	82N	18:38	295	19:02
2025	Jun	21	(Sat)	05:14	05:38	65	12:08	82N	18:38	295	19:02
2025	Jun	22	(Sun)	05:14	05:38	65	12:08	82N	18:38	295	19:02
2025	Jun	23	(Mon)	05:14	05:38	65	12:08	82N	18:39	295	19:02
2025	Jun	24	(Tue)	05:15	05:38	65	12:08	82N	18:39	295	19:02
2025	Jun	25	(Wed)	05:15	05:39	66	12:09	82N	18:39	294	19:03
2025	Jun	26	(Thu)	05:15	05:39	66	12:09	82N	18:39	294	19:03
2025	Jun	27	(Fri)	05:15	05:39	66	12:09	82N	18:39	294	19:03
2025	Jun	28	(Sat)	05:16	05:39	66	12:09	82N	18:39	294	19:03
2025	Jun	29	(Sun)	05:16	05:40	66	12:10	82N	18:40	294	19:03
2025	Jun	30	(Mon)	05:16	05:40	66	12:10	82N	18:40	294	19:03
2025	Jul	01	(Tue)	05:16	05:40	66	12:10	83N	18:40	294	19:03
2025	Jul	02	(Wed)	05:17	05:40	66	12:10	83N	18:40	294	19:03
2025	Jul	03	(Thu)	05:17	05:41	66	12:10	83N	18:40	294	19:03
2025	Jul	04	(Fri)	05:17	05:41	66	12:11	83N	18:40	294	19:04
2025	Jul	05	(Sat)	05:18	05:41	66	12:11	83N	18:40	294	19:04

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

2025	Sep	16	(Tue)	05:33	05:55	87	12:01	78S	18:07	273	18:28
2025	Sep	17	(Wed)	05:33	05:55	87	12:01	78S	18:06	272	18:28
2025	Sep	18	(Thu)	05:33	05:55	88	12:00	78S	18:05	272	18:27
2025	Sep	19	(Fri)	05:34	05:55	88	12:00	77S	18:05	272	18:26
2025	Sep	20	(Sat)	05:34	05:55	89	11:59	77S	18:04	271	18:25
2025	Sep	21	(Sun)	05:34	05:55	89	11:59	76S	18:03	271	18:24
2025	Sep	22	(Mon)	05:34	05:55	89	11:59	76S	18:02	270	18:24
2025	Sep	23	(Tue)	05:34	05:55	90	11:58	76S	18:01	270	18:23
2025	Sep	24	(Wed)	05:34	05:55	90	11:58	75S	18:01	270	18:22
2025	Sep	25	(Thu)	05:34	05:55	91	11:58	75S	18:00	269	18:21
2025	Sep	26	(Fri)	05:34	05:55	91	11:57	74S	17:59	269	18:21
2025	Sep	27	(Sat)	05:34	05:55	91	11:57	74S	17:58	268	18:20
2025	Sep	28	(Sun)	05:34	05:56	92	11:57	74S	17:58	268	18:19
2025	Sep	29	(Mon)	05:34	05:56	92	11:56	73S	17:57	268	18:18
2025	Sep	30	(Tue)	05:34	05:56	93	11:56	73S	17:56	267	18:18
2025	Oct	01	(Wed)	05:34	05:56	93	11:56	73S	17:55	267	18:17
2025	Oct	02	(Thu)	05:34	05:56	93	11:55	72S	17:55	266	18:16
2025	Oct	03	(Fri)	05:35	05:56	94	11:55	72S	17:54	266	18:15
2025	Oct	04	(Sat)	05:35	05:56	94	11:55	71S	17:53	266	18:15
2025	Oct	05	(Sun)	05:35	05:56	95	11:54	71S	17:53	265	18:14
2025	Oct	06	(Mon)	05:35	05:56	95	11:54	71S	17:52	265	18:13
2025	Oct	07	(Tue)	05:35	05:56	95	11:54	70S	17:51	264	18:13
2025	Oct	08	(Wed)	05:35	05:56	96	11:54	70S	17:51	264	18:12
2025	Oct	09	(Thu)	05:35	05:57	96	11:53	69S	17:50	264	18:11
2025	Oct	10	(Fri)	05:35	05:57	97	11:53	69S	17:49	263	18:11
2025	Oct	11	(Sat)	05:35	05:57	97	11:53	69S	17:48	263	18:10
2025	Oct	12	(Sun)	05:36	05:57	97	11:53	68S	17:48	262	18:09
2025	Oct	13	(Mon)	05:36	05:57	98	11:52	68S	17:47	262	18:09
2025	Oct	14	(Tue)	05:36	05:57	98	11:52	68S	17:47	262	18:08
2025	Oct	15	(Wed)	05:36	05:58	99	11:52	67S	17:46	261	18:08
2025	Oct	16	(Thu)	05:36	05:58	99	11:52	67S	17:45	261	18:07
2025	Oct	17	(Fri)	05:36	05:58	99	11:51	66S	17:45	260	18:06
2025	Oct	18	(Sat)	05:36	05:58	100	11:51	66S	17:44	260	18:06
2025	Oct	19	(Sun)	05:37	05:58	100	11:51	66S	17:44	260	18:05
2025	Oct	20	(Mon)	05:37	05:59	100	11:51	65S	17:43	259	18:05
2025	Oct	21	(Tue)	05:37	05:59	101	11:51	65S	17:42	259	18:04
2025	Oct	22	(Wed)	05:37	05:59	101	11:51	65S	17:42	259	18:04
2025	Oct	23	(Thu)	05:37	05:59	102	11:50	64S	17:41	258	18:03
2025	Oct	24	(Fri)	05:38	05:59	102	11:50	64S	17:41	258	18:03
2025	Oct	25	(Sat)	05:38	06:00	102	11:50	64S	17:40	258	18:02
2025	Oct	26	(Sun)	05:38	06:00	103	11:50	63S	17:40	257	18:02
2025	Oct	27	(Mon)	05:38	06:00	103	11:50	63S	17:39	257	18:01
2025	Oct	28	(Tue)	05:39	06:01	103	11:50	63S	17:39	256	18:01
2025	Oct	29	(Wed)	05:39	06:01	104	11:50	62S	17:39	256	18:01
2025	Oct	30	(Thu)	05:39	06:01	104	11:50	62S	17:38	256	18:00
2025	Oct	31	(Fri)	05:39	06:01	104	11:50	62S	17:38	255	18:00
2025	Nov	01	(Sat)	05:40	06:02	105	11:50	61S	17:37	255	17:59
2025	Nov	02	(Sun)	05:40	06:02	105	11:50	61S	17:37	255	17:59
2025	Nov	03	(Mon)	05:40	06:02	105	11:50	61S	17:37	254	17:59
2025	Nov	04	(Tue)	05:41	06:03	106	11:50	60S	17:36	254	17:58
2025	Nov	05	(Wed)	05:41	06:03	106	11:50	60S	17:36	254	17:58
2025	Nov	06	(Thu)	05:41	06:04	106	11:50	60S	17:36	254	17:58
2025	Nov	07	(Fri)	05:42	06:04	107	11:50	59S	17:35	253	17:58
2025	Nov	08	(Sat)	05:42	06:04	107	11:50	59S	17:35	253	17:57
2025	Nov	09	(Sun)	05:42	06:05	107	11:50	59S	17:35	253	17:57
2025	Nov	10	(Mon)	05:43	06:05	108	11:50	59S	17:35	252	17:57
2025	Nov	11	(Tue)	05:43	06:06	108	11:50	58S	17:34	252	17:57
2025	Nov	12	(Wed)	05:44	06:06	108	11:50	58S	17:34	252	17:57
2025	Nov	13	(Thu)	05:44	06:06	108	11:50	58S	17:34	251	17:57
2025	Nov	14	(Fri)	05:44	06:07	109	11:50	58S	17:34	251	17:56
2025	Nov	15	(Sat)	05:45	06:07	109	11:51	57S	17:34	251	17:56
2025	Nov	16	(Sun)	05:45	06:08	109	11:51	57S	17:34	251	17:56
2025	Nov	17	(Mon)	05:46	06:08	109	11:51	57S	17:34	250	17:56
2025	Nov	18	(Tue)	05:46	06:09	110	11:51	57S	17:34	250	17:56
2025	Nov	19	(Wed)	05:47	06:09	110	11:51	56S	17:33	250	17:56
2025	Nov	20	(Thu)	05:47	06:10	110	11:52	56S	17:33	250	17:56
2025	Nov	21	(Fri)	05:48	06:10	110	11:52	56S	17:33	249	17:56
2025	Nov	22	(Sat)	05:48	06:11	111	11:52	56S	17:33	249	17:56
2025	Nov	23	(Sun)	05:49	06:11	111	11:52	55S	17:33	249	17:56
2025	Nov	24	(Mon)	05:49	06:12	111	11:53	55S	17:34	249	17:56
2025	Nov	25	(Tue)	05:50	06:12	111	11:53	55S	17:34	249	17:56
2025	Nov	26	(Wed)	05:50	06:13	111	11:53	55S	17:34	248	17:57

2025	Nov	27	(Thu)	05:51	06:13	112	11:54	55S	17:34	248	17:57
2025	Nov	28	(Fri)	05:51	06:14	112	11:54	54S	17:34	248	17:57
2025	Nov	29	(Sat)	05:52	06:15	112	11:54	54S	17:34	248	17:57
2025	Nov	30	(Sun)	05:52	06:15	112	11:55	54S	17:34	248	17:57
2025	Dec	01	(Mon)	05:53	06:16	112	11:55	54S	17:34	248	17:57
2025	Dec	02	(Tue)	05:53	06:16	113	11:55	54S	17:35	247	17:58
2025	Dec	03	(Wed)	05:54	06:17	113	11:56	54S	17:35	247	17:58
2025	Dec	04	(Thu)	05:54	06:17	113	11:56	54S	17:35	247	17:58
2025	Dec	05	(Fri)	05:55	06:18	113	11:57	53S	17:35	247	17:58
2025	Dec	06	(Sat)	05:55	06:18	113	11:57	53S	17:36	247	17:59
2025	Dec	07	(Sun)	05:56	06:19	113	11:57	53S	17:36	247	17:59
2025	Dec	08	(Mon)	05:56	06:20	113	11:58	53S	17:36	247	17:59
2025	Dec	09	(Tue)	05:57	06:20	113	11:58	53S	17:36	247	18:00
2025	Dec	10	(Wed)	05:58	06:21	114	11:59	53S	17:37	246	18:00
2025	Dec	11	(Thu)	05:58	06:21	114	11:59	53S	17:37	246	18:00
2025	Dec	12	(Fri)	05:59	06:22	114	12:00	53S	17:38	246	18:01
2025	Dec	13	(Sat)	05:59	06:22	114	12:00	53S	17:38	246	18:01
2025	Dec	14	(Sun)	06:00	06:23	114	12:01	53S	17:38	246	18:02
2025	Dec	15	(Mon)	06:00	06:23	114	12:01	53S	17:39	246	18:02
2025	Dec	16	(Tue)	06:01	06:24	114	12:02	53S	17:39	246	18:02
2025	Dec	17	(Wed)	06:01	06:25	114	12:02	52S	17:40	246	18:03
2025	Dec	18	(Thu)	06:02	06:25	114	12:03	52S	17:40	246	18:03
2025	Dec	19	(Fri)	06:02	06:26	114	12:03	52S	17:41	246	18:04
2025	Dec	20	(Sat)	06:03	06:26	114	12:04	52S	17:41	246	18:04
2025	Dec	21	(Sun)	06:03	06:27	114	12:04	52S	17:42	246	18:05
2025	Dec	22	(Mon)	06:04	06:27	114	12:05	52S	17:42	246	18:05
2025	Dec	23	(Tue)	06:04	06:28	114	12:05	52S	17:43	246	18:06
2025	Dec	24	(Wed)	06:05	06:28	114	12:06	52S	17:43	246	18:06
2025	Dec	25	(Thu)	06:05	06:29	114	12:06	52S	17:44	246	18:07
2025	Dec	26	(Fri)	06:06	06:29	114	12:07	52S	17:44	246	18:07
2025	Dec	27	(Sat)	06:06	06:29	114	12:07	53S	17:45	246	18:08
2025	Dec	28	(Sun)	06:07	06:30	114	12:08	53S	17:45	246	18:08
2025	Dec	29	(Mon)	06:07	06:30	114	12:08	53S	17:46	246	18:09
2025	Dec	30	(Tue)	06:08	06:31	114	12:09	53S	17:46	246	18:10
2025	Dec	31	(Wed)	06:08	06:31	114	12:09	53S	17:47	246	18:10

Moon

Surin

Location: E103°29'23.9", N14°53'02.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:41	117		13:24	50S		19:08	245	
2025 Jan 02 (Thu)	08:31	113		14:18	54S		20:08	249	
2025 Jan 03 (Fri)	09:17	108		15:10	60S		21:06	255	
2025 Jan 04 (Sat)	09:59	101		15:59	66S		22:01	262	
2025 Jan 05 (Sun)	10:40	94		16:46	73S		22:56	269	
2025 Jan 06 (Mon)	11:19	87		17:33	80S		23:51	276	
2025 Jan 07 (Tue)	11:59	80		18:21	87S				
2025 Jan 08 (Wed)	12:42	74		19:12	88N		00:47	283	
2025 Jan 09 (Thu)	13:29	68		20:06	83N		01:46	289	
2025 Jan 10 (Fri)	14:20	64		21:05	79N		02:48	294	
2025 Jan 11 (Sat)	15:17	61		22:06	77N		03:51	298	
2025 Jan 12 (Sun)	16:18	61		23:07	77N		04:55	299	
2025 Jan 13 (Mon)	17:20	62					05:55	299	
2025 Jan 14 (Tue)	18:20	65		00:06	79N		06:50	297	
2025 Jan 15 (Wed)	19:17	70		01:01	82N		07:39	293	
2025 Jan 16 (Thu)	20:11	75		01:52	87N		08:22	288	
2025 Jan 17 (Fri)	21:00	81		02:38	89S		09:01	282	
2025 Jan 18 (Sat)	21:48	87		03:20	83S		09:36	276	
2025 Jan 19 (Sun)	22:33	93		04:00	77S		10:10	270	
2025 Jan 20 (Mon)	23:19	99		04:40	71S		10:43	264	
2025 Jan 21 (Tue)				05:19	65S		11:16	258	
2025 Jan 22 (Wed)	00:06	105		06:00	60S		11:52	253	
2025 Jan 23 (Thu)	00:54	110		06:43	55S		12:30	248	
2025 Jan 24 (Fri)	01:46	114		07:30	51S		13:13	244	
2025 Jan 25 (Sat)	02:40	117		08:21	48S		14:01	242	

2025	Jan	26	(Sun)	03:36	119	09:16	47S	14:55	240
2025	Jan	27	(Mon)	04:33	120	10:13	47S	15:53	241
2025	Jan	28	(Tue)	05:29	118	11:11	49S	16:54	243
2025	Jan	29	(Wed)	06:22	115	12:07	52S	17:55	247
2025	Jan	30	(Thu)	07:10	110	13:01	57S	18:55	253
2025	Jan	31	(Fri)	07:55	104	13:53	64S	19:53	260
2025	Feb	01	(Sat)	08:38	97	14:42	71S	20:50	267
2025	Feb	02	(Sun)	09:18	90	15:30	78S	21:46	274
2025	Feb	03	(Mon)	09:59	82	16:19	85S	22:43	281
2025	Feb	04	(Tue)	10:41	75	17:09	90N	23:41	288
2025	Feb	05	(Wed)	11:27	69	18:02	84N		
2025	Feb	06	(Thu)	12:16	65	18:59	80N	00:41	293
2025	Feb	07	(Fri)	13:10	62	19:58	77N	01:44	297
2025	Feb	08	(Sat)	14:09	60	20:58	77N	02:46	299
2025	Feb	09	(Sun)	15:09	61	21:57	78N	03:47	299
2025	Feb	10	(Mon)	16:09	64	22:52	81N	04:42	298
2025	Feb	11	(Tue)	17:07	68	23:44	85N	05:33	294
2025	Feb	12	(Wed)	18:01	73			06:17	290
2025	Feb	13	(Thu)	18:52	78	00:31	90N	06:57	284
2025	Feb	14	(Fri)	19:40	84	01:14	86S	07:34	279
2025	Feb	15	(Sat)	20:27	91	01:56	80S	08:08	272
2025	Feb	16	(Sun)	21:12	97	02:35	73S	08:41	266
2025	Feb	17	(Mon)	21:59	103	03:15	68S	09:14	260
2025	Feb	18	(Tue)	22:46	108	03:55	62S	09:49	255
2025	Feb	19	(Wed)	23:36	113	04:37	57S	10:26	250
2025	Feb	20	(Thu)			05:22	53S	11:06	246
2025	Feb	21	(Fri)	00:28	116	06:11	49S	11:51	242
2025	Feb	22	(Sat)	01:23	119	07:03	47S	12:41	241
2025	Feb	23	(Sun)	02:19	120	07:58	46S	13:37	240
2025	Feb	24	(Mon)	03:15	119	08:54	48S	14:36	242
2025	Feb	25	(Tue)	04:08	117	09:51	50S	15:36	245
2025	Feb	26	(Wed)	04:59	113	10:46	55S	16:37	250
2025	Feb	27	(Thu)	05:46	107	11:40	61S	17:37	256
2025	Feb	28	(Fri)	06:30	100	12:31	67S	18:36	263
2025	Mar	01	(Sat)	07:12	93	13:21	75S	19:34	271
2025	Mar	02	(Sun)	07:54	85	14:11	82S	20:32	279
2025	Mar	03	(Mon)	08:37	78	15:02	89S	21:32	286
2025	Mar	04	(Tue)	09:22	71	15:56	86N	22:34	292
2025	Mar	05	(Wed)	10:12	66	16:53	81N	23:37	296
2025	Mar	06	(Thu)	11:06	62	17:52	78N		
2025	Mar	07	(Fri)	12:03	60	18:52	77N	00:40	299
2025	Mar	08	(Sat)	13:03	61	19:52	77N	01:42	300
2025	Mar	09	(Sun)	14:03	63	20:48	80N	02:39	299
2025	Mar	10	(Mon)	15:01	66	21:40	83N	03:30	296
2025	Mar	11	(Tue)	15:55	71	22:27	88N	04:15	292
2025	Mar	12	(Wed)	16:46	76	23:11	88S	04:56	286
2025	Mar	13	(Thu)	17:35	82	23:53	82S	05:33	281
2025	Mar	14	(Fri)	18:22	88			06:08	275
2025	Mar	15	(Sat)	19:07	95	00:33	76S	06:41	269
2025	Mar	16	(Sun)	19:54	100	01:12	70S	07:14	263
2025	Mar	17	(Mon)	20:41	106	01:52	64S	07:48	257
2025	Mar	18	(Tue)	21:30	111	02:33	59S	08:24	252
2025	Mar	19	(Wed)	22:21	115	03:17	54S	09:03	247
2025	Mar	20	(Thu)	23:14	118	04:04	50S	09:46	243
2025	Mar	21	(Fri)			04:54	48S	10:33	241
2025	Mar	22	(Sat)	00:08	120	05:47	47S	11:25	240
2025	Mar	23	(Sun)	01:03	120	06:42	47S	12:21	241
2025	Mar	24	(Mon)	01:56	118	07:37	49S	13:20	243
2025	Mar	25	(Tue)	02:47	115	08:31	52S	14:19	247
2025	Mar	26	(Wed)	03:34	110	09:24	57S	15:18	253
2025	Mar	27	(Thu)	04:19	104	10:16	64S	16:17	260
2025	Mar	28	(Fri)	05:02	97	11:06	71S	17:15	267
2025	Mar	29	(Sat)	05:44	89	11:57	78S	18:14	275
2025	Mar	30	(Sun)	06:27	82	12:48	86S	19:14	282
2025	Mar	31	(Mon)	07:13	74	13:43	89N	20:17	289
2025	Apr	01	(Tue)	08:02	68	14:41	83N	21:23	295
2025	Apr	02	(Wed)	08:56	64	15:41	79N	22:29	298
2025	Apr	03	(Thu)	09:55	61	16:44	77N	23:33	300
2025	Apr	04	(Fri)	10:56	60	17:45	77N		
2025	Apr	05	(Sat)	11:57	62	18:43	79N	00:33	299
2025	Apr	06	(Sun)	12:56	65	19:37	82N	01:27	297
2025	Apr	07	(Mon)	13:51	69	20:26	87N	02:15	293

2025 Apr 08 (Tue)	14:43 74	21:11 89S	02:57 288
2025 Apr 09 (Wed)	15:32 80	21:52 84S	03:34 283
2025 Apr 10 (Thu)	16:19 86	22:32 78S	04:09 277
2025 Apr 11 (Fri)	17:05 92	23:11 72S	04:42 271
2025 Apr 12 (Sat)	17:50 98	23:51 66S	05:15 265
2025 Apr 13 (Sun)	18:37 104		05:49 259
2025 Apr 14 (Mon)	19:25 109	00:32 61S	06:24 253
2025 Apr 15 (Tue)	20:16 114	01:15 56S	07:02 249
2025 Apr 16 (Wed)	21:08 117	02:00 52S	07:43 245
2025 Apr 17 (Thu)	22:02 119	02:49 49S	08:29 242
2025 Apr 18 (Fri)	22:56 120	03:41 47S	09:19 240
2025 Apr 19 (Sat)	23:49 119	04:34 47S	10:13 240
2025 Apr 20 (Sun)		05:28 48S	11:09 242
2025 Apr 21 (Mon)	00:39 116	06:22 51S	12:07 246
2025 Apr 22 (Tue)	01:26 112	07:14 55S	13:04 250
2025 Apr 23 (Wed)	02:10 107	08:04 61S	14:01 256
2025 Apr 24 (Thu)	02:52 100	08:53 67S	14:57 263
2025 Apr 25 (Fri)	03:34 93	09:42 74S	15:54 271
2025 Apr 26 (Sat)	04:15 86	10:32 82S	16:53 278
2025 Apr 27 (Sun)	04:59 78	11:25 89S	17:55 286
2025 Apr 28 (Mon)	05:47 71	12:22 86N	19:00 292
2025 Apr 29 (Tue)	06:40 66	13:23 81N	20:08 297
2025 Apr 30 (Wed)	07:39 62	14:27 78N	21:16 299
2025 May 01 (Thu)	08:41 60	15:31 77N	22:21 299
2025 May 02 (Fri)	09:45 61	16:33 78N	23:19 298
2025 May 03 (Sat)	10:47 64	17:30 81N	
2025 May 04 (Sun)	11:45 68	18:22 85N	00:10 294
2025 May 05 (Mon)	12:39 73	19:09 90N	00:55 290
2025 May 06 (Tue)	13:29 78	19:52 85S	01:35 284
2025 May 07 (Wed)	14:17 84	20:32 80S	02:11 278
2025 May 08 (Thu)	15:02 91	21:11 74S	02:44 272
2025 May 09 (Fri)	15:48 97	21:50 68S	03:17 266
2025 May 10 (Sat)	16:34 102	22:31 62S	03:50 261
2025 May 11 (Sun)	17:22 108	23:13 57S	04:24 255
2025 May 12 (Mon)	18:11 112	23:58 53S	05:01 250
2025 May 13 (Tue)	19:03 116		05:42 246
2025 May 14 (Wed)	19:57 119	00:46 50S	06:27 243
2025 May 15 (Thu)	20:51 120	01:37 47S	07:16 241
2025 May 16 (Fri)	21:44 119	02:30 47S	08:08 240
2025 May 17 (Sat)	22:35 117	03:24 48S	09:04 242
2025 May 18 (Sun)	23:22 113	04:17 50S	10:00 244
2025 May 19 (Mon)		05:08 54S	10:57 249
2025 May 20 (Tue)	00:06 109	05:58 59S	11:52 254
2025 May 21 (Wed)	00:48 103	06:45 65S	12:47 261
2025 May 22 (Thu)	01:28 96	07:33 71S	13:41 268
2025 May 23 (Fri)	02:08 89	08:21 79S	14:37 275
2025 May 24 (Sat)	02:49 82	09:10 86S	15:36 282
2025 May 25 (Sun)	03:34 75	10:04 89N	16:38 289
2025 May 26 (Mon)	04:24 68	11:02 83N	17:44 294
2025 May 27 (Tue)	05:19 64	12:05 79N	18:53 298
2025 May 28 (Wed)	06:21 61	13:10 77N	20:00 299
2025 May 29 (Thu)	07:26 61	14:15 77N	21:04 299
2025 May 30 (Fri)	08:31 62	15:17 80N	22:00 296
2025 May 31 (Sat)	09:33 66	16:12 83N	22:49 292
2025 Jun 01 (Sun)	10:30 71	17:03 88N	23:31 286
2025 Jun 02 (Mon)	11:23 76	17:48 87S	
2025 Jun 03 (Tue)	12:12 82	18:30 81S	00:09 280
2025 Jun 04 (Wed)	12:59 89	19:10 75S	00:44 274
2025 Jun 05 (Thu)	13:45 95	19:49 70S	01:18 268
2025 Jun 06 (Fri)	14:31 101	20:29 64S	01:51 262
2025 Jun 07 (Sat)	15:18 106	21:10 59S	02:25 257
2025 Jun 08 (Sun)	16:07 111	21:54 54S	03:01 252
2025 Jun 09 (Mon)	16:58 115	22:42 51S	03:40 247
2025 Jun 10 (Tue)	17:52 118	23:32 48S	04:23 244
2025 Jun 11 (Wed)	18:46 119		05:11 241
2025 Jun 12 (Thu)	19:40 119	00:25 47S	06:04 240
2025 Jun 13 (Fri)	20:32 118	01:19 47S	06:59 241
2025 Jun 14 (Sat)	21:21 114	02:13 49S	07:56 244
2025 Jun 15 (Sun)	22:05 110	03:05 53S	08:52 248
2025 Jun 16 (Mon)	22:47 104	03:55 57S	09:48 253
2025 Jun 17 (Tue)	23:27 98	04:43 63S	10:42 259
2025 Jun 18 (Wed)		05:29 69S	11:35 265

2025 Jun 19 (Thu)	00:06 91	06:15 76S	12:29 272
2025 Jun 20 (Fri)	00:45 84	07:03 83S	13:25 280
2025 Jun 21 (Sat)	01:27 77	07:53 90S	14:23 286
2025 Jun 22 (Sun)	02:13 71	08:47 85N	15:26 292
2025 Jun 23 (Mon)	03:04 66	09:46 81N	16:32 297
2025 Jun 24 (Tue)	04:02 62	10:50 78N	17:39 299
2025 Jun 25 (Wed)	05:05 61	11:55 77N	18:45 299
2025 Jun 26 (Thu)	06:10 61	12:59 78N	19:45 297
2025 Jun 27 (Fri)	07:15 64	13:58 82N	20:38 294
2025 Jun 28 (Sat)	08:16 69	14:52 86N	21:24 289
2025 Jun 29 (Sun)	09:12 74	15:40 90S	22:05 283
2025 Jun 30 (Mon)	10:04 80	16:24 84S	22:42 277
2025 Jul 01 (Tue)	10:52 86	17:06 78S	23:16 270
2025 Jul 02 (Wed)	11:39 93	17:46 72S	23:50 264
2025 Jul 03 (Thu)	12:25 99	18:26 66S	
2025 Jul 04 (Fri)	13:12 104	19:07 60S	00:23 259
2025 Jul 05 (Sat)	14:00 109	19:50 56S	00:59 253
2025 Jul 06 (Sun)	14:51 114	20:36 52S	01:37 249
2025 Jul 07 (Mon)	15:44 117	21:25 49S	02:19 245
2025 Jul 08 (Tue)	16:38 119	22:17 47S	03:05 242
2025 Jul 09 (Wed)	17:33 120	23:12 47S	03:56 241
2025 Jul 10 (Thu)	18:26 118		04:51 241
2025 Jul 11 (Fri)	19:17 116	00:07 48S	05:48 243
2025 Jul 12 (Sat)	20:03 111	01:00 51S	06:46 246
2025 Jul 13 (Sun)	20:47 106	01:52 56S	07:43 251
2025 Jul 14 (Mon)	21:27 100	02:41 61S	08:38 257
2025 Jul 15 (Tue)	22:06 93	03:28 68S	09:32 264
2025 Jul 16 (Wed)	22:45 86	04:14 74S	10:25 271
2025 Jul 17 (Thu)	23:25 79	05:00 81S	11:20 278
2025 Jul 18 (Fri)		05:49 88S	12:16 284
2025 Jul 19 (Sat)	00:09 73	06:40 87N	13:16 290
2025 Jul 20 (Sun)	00:57 67	07:36 82N	14:19 295
2025 Jul 21 (Mon)	01:50 63	08:36 79N	15:24 298
2025 Jul 22 (Tue)	02:50 61	09:39 77N	16:29 300
2025 Jul 23 (Wed)	03:53 61	10:42 77N	17:30 298
2025 Jul 24 (Thu)	04:58 63	11:43 80N	18:26 295
2025 Jul 25 (Fri)	06:00 67	12:39 84N	19:15 291
2025 Jul 26 (Sat)	06:58 72	13:30 89N	19:58 285
2025 Jul 27 (Sun)	07:52 77	14:17 86S	20:37 279
2025 Jul 28 (Mon)	08:43 84	15:00 80S	21:13 273
2025 Jul 29 (Tue)	09:31 90	15:41 74S	21:47 267
2025 Jul 30 (Wed)	10:18 96	16:21 68S	22:21 261
2025 Jul 31 (Thu)	11:05 102	17:02 62S	22:56 255
2025 Aug 01 (Fri)	11:53 108	17:44 57S	23:33 250
2025 Aug 02 (Sat)	12:43 112	18:29 53S	
2025 Aug 03 (Sun)	13:34 116	19:17 50S	00:13 246
2025 Aug 04 (Mon)	14:28 119	20:08 47S	00:58 243
2025 Aug 05 (Tue)	15:23 120	21:01 47S	01:47 241
2025 Aug 06 (Wed)	16:17 119	21:56 47S	02:40 240
2025 Aug 07 (Thu)	17:09 117	22:51 50S	03:37 242
2025 Aug 08 (Fri)	17:57 113	23:44 54S	04:35 245
2025 Aug 09 (Sat)	18:43 108		05:33 249
2025 Aug 10 (Sun)	19:25 102	00:35 59S	06:30 255
2025 Aug 11 (Mon)	20:05 95	01:23 65S	07:25 261
2025 Aug 12 (Tue)	20:45 88	02:11 72S	08:20 268
2025 Aug 13 (Wed)	21:25 81	02:58 79S	09:15 276
2025 Aug 14 (Thu)	22:08 74	03:46 86S	10:11 283
2025 Aug 15 (Fri)	22:54 69	04:37 89N	11:10 289
2025 Aug 16 (Sat)	23:45 64	05:31 83N	12:12 294
2025 Aug 17 (Sun)		06:29 79N	13:16 298
2025 Aug 18 (Mon)	00:42 61	07:30 77N	14:20 300
2025 Aug 19 (Tue)	01:43 60	08:32 77N	15:21 299
2025 Aug 20 (Wed)	02:46 62	09:33 79N	16:18 297
2025 Aug 21 (Thu)	03:48 65	10:30 82N	17:08 293
2025 Aug 22 (Fri)	04:47 69	11:22 87N	17:53 288
2025 Aug 23 (Sat)	05:42 75	12:09 89S	18:33 282
2025 Aug 24 (Sun)	06:34 81	12:54 83S	19:10 276
2025 Aug 25 (Mon)	07:23 87	13:35 76S	19:45 269
2025 Aug 26 (Tue)	08:11 94	14:16 70S	20:19 263
2025 Aug 27 (Wed)	08:58 100	14:57 64S	20:53 257
2025 Aug 28 (Thu)	09:45 106	15:39 59S	21:29 252
2025 Aug 29 (Fri)	10:34 111	16:23 54S	22:08 247

2025 Aug 30 (Sat)	11:25 115	17:09 51S	22:51 244
2025 Aug 31 (Sun)	12:18 118	17:58 48S	23:38 241
2025 Sep 01 (Mon)	13:12 119	18:50 47S	
2025 Sep 02 (Tue)	14:05 120	19:44 47S	00:29 240
2025 Sep 03 (Wed)	14:58 118	20:38 49S	01:23 241
2025 Sep 04 (Thu)	15:48 115	21:32 52S	02:20 243
2025 Sep 05 (Fri)	16:34 111	22:23 57S	03:18 247
2025 Sep 06 (Sat)	17:18 105	23:13 62S	04:16 252
2025 Sep 07 (Sun)	18:00 98		05:12 258
2025 Sep 08 (Mon)	18:40 91	00:02 69S	06:09 265
2025 Sep 09 (Tue)	19:21 84	00:51 76S	07:05 273
2025 Sep 10 (Wed)	20:04 77	01:40 84S	08:02 280
2025 Sep 11 (Thu)	20:50 70	02:31 90S	09:02 287
2025 Sep 12 (Fri)	21:41 65	03:25 85N	10:04 293
2025 Sep 13 (Sat)	22:37 62	04:23 80N	11:09 297
2025 Sep 14 (Sun)	23:37 60	05:24 78N	12:13 299
2025 Sep 15 (Mon)		06:27 77N	13:16 300
2025 Sep 16 (Tue)	00:39 61	07:27 78N	14:13 298
2025 Sep 17 (Wed)	01:41 64	08:24 81N	15:05 294
2025 Sep 18 (Thu)	02:40 68	09:17 85N	15:50 290
2025 Sep 19 (Fri)	03:35 73	10:05 90N	16:31 284
2025 Sep 20 (Sat)	04:27 79	10:50 85S	17:09 278
2025 Sep 21 (Sun)	05:17 85	11:32 79S	17:44 272
2025 Sep 22 (Mon)	06:04 91	12:13 73S	18:18 266
2025 Sep 23 (Tue)	06:52 98	12:53 67S	18:52 260
2025 Sep 24 (Wed)	07:39 103	13:35 61S	19:27 254
2025 Sep 25 (Thu)	08:28 109	14:18 56S	20:05 249
2025 Sep 26 (Fri)	09:18 113	15:03 52S	20:46 245
2025 Sep 27 (Sat)	10:09 117	15:51 49S	21:31 242
2025 Sep 28 (Sun)	11:02 119	16:41 47S	22:20 241
2025 Sep 29 (Mon)	11:56 120	17:34 47S	23:12 240
2025 Sep 30 (Tue)	12:48 119	18:27 48S	
2025 Oct 01 (Wed)	13:37 117	19:19 50S	00:07 242
2025 Oct 02 (Thu)	14:24 113	20:11 54S	01:03 245
2025 Oct 03 (Fri)	15:09 108	21:01 59S	02:00 249
2025 Oct 04 (Sat)	15:51 102	21:50 66S	02:56 255
2025 Oct 05 (Sun)	16:32 95	22:38 73S	03:52 262
2025 Oct 06 (Mon)	17:13 87	23:27 80S	04:48 269
2025 Oct 07 (Tue)	17:55 80		05:46 276
2025 Oct 08 (Wed)	18:41 73	00:19 87S	06:46 284
2025 Oct 09 (Thu)	19:32 67	01:13 88N	07:49 290
2025 Oct 10 (Fri)	20:28 63	02:12 82N	08:55 295
2025 Oct 11 (Sat)	21:28 61	03:14 78N	10:03 299
2025 Oct 12 (Sun)	22:32 61	04:18 77N	11:08 300
2025 Oct 13 (Mon)	23:35 63	05:21 77N	12:08 298
2025 Oct 14 (Tue)		06:20 80N	13:02 296
2025 Oct 15 (Wed)	00:35 66	07:14 84N	13:50 291
2025 Oct 16 (Thu)	01:31 71	08:03 89N	14:32 286
2025 Oct 17 (Fri)	02:24 77	08:48 87S	15:09 280
2025 Oct 18 (Sat)	03:13 83	09:31 81S	15:45 274
2025 Oct 19 (Sun)	04:01 89	10:11 75S	16:19 268
2025 Oct 20 (Mon)	04:48 95	10:52 69S	16:52 262
2025 Oct 21 (Tue)	05:35 101	11:32 63S	17:27 256
2025 Oct 22 (Wed)	06:23 107	12:15 58S	18:04 251
2025 Oct 23 (Thu)	07:12 112	12:59 53S	18:44 246
2025 Oct 24 (Fri)	08:03 115	13:46 50S	19:27 243
2025 Oct 25 (Sat)	08:56 118	14:36 48S	20:15 241
2025 Oct 26 (Sun)	09:49 119	15:27 47S	21:05 240
2025 Oct 27 (Mon)	10:41 119	16:19 47S	21:59 241
2025 Oct 28 (Tue)	11:30 118	17:11 49S	22:53 244
2025 Oct 29 (Wed)	12:17 115	18:02 53S	23:48 247
2025 Oct 30 (Thu)	13:01 110	18:51 57S	
2025 Oct 31 (Fri)	13:43 105	19:38 63S	00:43 252
2025 Nov 01 (Sat)	14:23 98	20:25 69S	01:37 258
2025 Nov 02 (Sun)	15:03 91	21:13 76S	02:31 265
2025 Nov 03 (Mon)	15:44 84	22:02 83S	03:27 272
2025 Nov 04 (Tue)	16:28 77	22:55 90S	04:25 280
2025 Nov 05 (Wed)	17:17 70	23:53 85N	05:27 287
2025 Nov 06 (Thu)	18:11 65		06:33 293
2025 Nov 07 (Fri)	19:12 62	00:55 80N	07:42 297
2025 Nov 08 (Sat)	20:17 61	02:01 77N	08:51 299
2025 Nov 09 (Sun)	21:23 62	03:07 77N	09:56 299

2025 Nov 10 (Mon)	22:26 65	04:10 79N	10:55 297
2025 Nov 11 (Tue)	23:25 70	05:08 82N	11:46 293
2025 Nov 12 (Wed)		06:00 87N	12:31 287
2025 Nov 13 (Thu)	00:20 75	06:47 89S	13:10 282
2025 Nov 14 (Fri)	01:11 81	07:30 83S	13:46 276
2025 Nov 15 (Sat)	01:59 87	08:11 77S	14:20 269
2025 Nov 16 (Sun)	02:46 94	08:51 71S	14:54 263
2025 Nov 17 (Mon)	03:32 100	09:32 65S	15:28 258
2025 Nov 18 (Tue)	04:19 105	10:13 59S	16:04 252
2025 Nov 19 (Wed)	05:08 110	10:57 55S	16:43 248
2025 Nov 20 (Thu)	05:59 114	11:43 51S	17:25 244
2025 Nov 21 (Fri)	06:51 117	12:32 48S	18:12 242
2025 Nov 22 (Sat)	07:44 119	13:23 47S	19:01 241
2025 Nov 23 (Sun)	08:36 119	14:15 47S	19:54 241
2025 Nov 24 (Mon)	09:27 118	15:07 49S	20:48 243
2025 Nov 25 (Tue)	10:14 115	15:57 51S	21:42 246
2025 Nov 26 (Wed)	10:58 112	16:45 56S	22:35 251
2025 Nov 27 (Thu)	11:39 107	17:32 61S	23:28 256
2025 Nov 28 (Fri)	12:18 101	18:17 67S	
2025 Nov 29 (Sat)	12:56 94	19:03 73S	00:20 262
2025 Nov 30 (Sun)	13:35 87	19:49 80S	01:13 269
2025 Dec 01 (Mon)	14:16 80	20:39 87S	02:08 276
2025 Dec 02 (Tue)	15:01 73	21:33 88N	03:06 283
2025 Dec 03 (Wed)	15:52 68	22:32 82N	04:08 290
2025 Dec 04 (Thu)	16:49 63	23:36 79N	05:15 295
2025 Dec 05 (Fri)	17:53 61		06:25 298
2025 Dec 06 (Sat)	19:01 61	00:44 77N	07:34 299
2025 Dec 07 (Sun)	20:08 64	01:50 78N	08:38 298
2025 Dec 08 (Mon)	21:12 68	02:53 81N	09:35 294
2025 Dec 09 (Tue)	22:11 73	03:50 85N	10:24 289
2025 Dec 10 (Wed)	23:04 79	04:41 91S	11:07 284
2025 Dec 11 (Thu)	23:54 86	05:26 85S	11:45 278
2025 Dec 12 (Fri)		06:09 78S	12:20 271
2025 Dec 13 (Sat)	00:42 92	06:50 72S	12:55 265
2025 Dec 14 (Sun)	01:29 98	07:30 66S	13:29 259
2025 Dec 15 (Mon)	02:16 104	08:12 61S	14:04 254
2025 Dec 16 (Tue)	03:04 109	08:54 56S	14:42 249
2025 Dec 17 (Wed)	03:54 113	09:40 52S	15:23 245
2025 Dec 18 (Thu)	04:46 116	10:28 49S	16:08 242
2025 Dec 19 (Fri)	05:39 119	11:18 47S	16:57 241
2025 Dec 20 (Sat)	06:32 119	12:11 47S	17:49 241
2025 Dec 21 (Sun)	07:23 119	13:03 48S	18:44 242
2025 Dec 22 (Mon)	08:12 116	13:54 51S	19:38 245
2025 Dec 23 (Tue)	08:57 113	14:43 54S	20:32 249
2025 Dec 24 (Wed)	09:39 108	15:30 59S	21:24 255
2025 Dec 25 (Thu)	10:18 102	16:15 65S	22:16 261
2025 Dec 26 (Fri)	10:55 96	17:00 71S	23:07 267
2025 Dec 27 (Sat)	11:33 89	17:44 78S	23:59 274
2025 Dec 28 (Sun)	12:11 83	18:30 85S	
2025 Dec 29 (Mon)	12:53 76	19:20 90N	00:54 281
2025 Dec 30 (Tue)	13:39 70	20:15 85N	01:52 287
2025 Dec 31 (Wed)	14:31 65	21:14 80N	02:54 293