

Sun

Sakon Nakhon
Location: E104°07'19.1", N17°13'11.9", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

2025	Mar	02	(Sun)	05:34	06:21	97	12:16	66S	18:10	263	18:57
2025	Mar	03	(Mon)	05:34	06:20	97	12:15	67S	18:11	263	18:58
2025	Mar	04	(Tue)	05:33	06:20	96	12:15	67S	18:11	264	18:58
2025	Mar	05	(Wed)	05:32	06:19	96	12:15	68S	18:11	264	18:58
2025	Mar	06	(Thu)	05:32	06:18	96	12:15	68S	18:11	265	18:58
2025	Mar	07	(Fri)	05:31	06:18	95	12:15	68S	18:12	265	18:58
2025	Mar	08	(Sat)	05:30	06:17	95	12:14	69S	18:12	265	18:59
2025	Mar	09	(Sun)	05:29	06:16	94	12:14	69S	18:12	266	18:59
2025	Mar	10	(Mon)	05:29	06:15	94	12:14	69S	18:12	266	18:59
2025	Mar	11	(Tue)	05:28	06:15	94	12:14	70S	18:13	267	18:59
2025	Mar	12	(Wed)	05:27	06:14	93	12:13	70S	18:13	267	19:00
2025	Mar	13	(Thu)	05:26	06:13	93	12:13	71S	18:13	267	19:00
2025	Mar	14	(Fri)	05:26	06:12	92	12:13	71S	18:13	268	19:00
2025	Mar	15	(Sat)	05:25	06:12	92	12:12	71S	18:13	268	19:00
2025	Mar	16	(Sun)	05:24	06:11	92	12:12	72S	18:14	269	19:00
2025	Mar	17	(Mon)	05:23	06:10	91	12:12	72S	18:14	269	19:01
2025	Mar	18	(Tue)	05:23	06:09	91	12:12	73S	18:14	269	19:01
2025	Mar	19	(Wed)	05:22	06:09	90	12:11	73S	18:14	270	19:01
2025	Mar	20	(Thu)	05:21	06:08	90	12:11	73S	18:14	270	19:01
2025	Mar	21	(Fri)	05:20	06:07	89	12:11	74S	18:15	271	19:01
2025	Mar	22	(Sat)	05:19	06:06	89	12:10	74S	18:15	271	19:02
2025	Mar	23	(Sun)	05:19	06:05	89	12:10	75S	18:15	272	19:02
2025	Mar	24	(Mon)	05:18	06:05	88	12:10	75S	18:15	272	19:02
2025	Mar	25	(Tue)	05:17	06:04	88	12:09	75S	18:15	272	19:02
2025	Mar	26	(Wed)	05:16	06:03	87	12:09	76S	18:16	273	19:02
2025	Mar	27	(Thu)	05:15	06:02	87	12:09	76S	18:16	273	19:03
2025	Mar	28	(Fri)	05:15	06:01	87	12:09	77S	18:16	274	19:03
2025	Mar	29	(Sat)	05:14	06:01	86	12:08	77S	18:16	274	19:03
2025	Mar	30	(Sun)	05:13	06:00	86	12:08	77S	18:16	274	19:03
2025	Mar	31	(Mon)	05:12	05:59	85	12:08	78S	18:16	275	19:04
2025	Apr	01	(Tue)	05:11	05:58	85	12:07	78S	18:17	275	19:04
2025	Apr	02	(Wed)	05:10	05:58	85	12:07	79S	18:17	276	19:04
2025	Apr	03	(Thu)	05:10	05:57	84	12:07	79S	18:17	276	19:04
2025	Apr	04	(Fri)	05:09	05:56	84	12:06	79S	18:17	276	19:05
2025	Apr	05	(Sat)	05:08	05:55	83	12:06	80S	18:17	277	19:05
2025	Apr	06	(Sun)	05:07	05:54	83	12:06	80S	18:18	277	19:05
2025	Apr	07	(Mon)	05:06	05:54	83	12:06	80S	18:18	278	19:05
2025	Apr	08	(Tue)	05:06	05:53	82	12:05	81S	18:18	278	19:05
2025	Apr	09	(Wed)	05:05	05:52	82	12:05	81S	18:18	278	19:06
2025	Apr	10	(Thu)	05:04	05:51	81	12:05	82S	18:18	279	19:06
2025	Apr	11	(Fri)	05:03	05:51	81	12:05	82S	18:19	279	19:06
2025	Apr	12	(Sat)	05:02	05:50	81	12:04	82S	18:19	280	19:07
2025	Apr	13	(Sun)	05:02	05:49	80	12:04	83S	18:19	280	19:07
2025	Apr	14	(Mon)	05:01	05:49	80	12:04	83S	18:19	280	19:07
2025	Apr	15	(Tue)	05:00	05:48	80	12:04	83S	18:19	281	19:07
2025	Apr	16	(Wed)	04:59	05:47	79	12:03	84S	18:20	281	19:08
2025	Apr	17	(Thu)	04:58	05:46	79	12:03	84S	18:20	281	19:08
2025	Apr	18	(Fri)	04:58	05:46	78	12:03	84S	18:20	282	19:08
2025	Apr	19	(Sat)	04:57	05:45	78	12:03	85S	18:20	282	19:09
2025	Apr	20	(Sun)	04:56	05:44	78	12:02	85S	18:21	283	19:09
2025	Apr	21	(Mon)	04:55	05:44	77	12:02	85S	18:21	283	19:09
2025	Apr	22	(Tue)	04:55	05:43	77	12:02	86S	18:21	283	19:10
2025	Apr	23	(Wed)	04:54	05:43	77	12:02	86S	18:21	284	19:10
2025	Apr	24	(Thu)	04:53	05:42	76	12:02	86S	18:22	284	19:10
2025	Apr	25	(Fri)	04:53	05:41	76	12:01	87S	18:22	284	19:11
2025	Apr	26	(Sat)	04:52	05:41	76	12:01	87S	18:22	285	19:11
2025	Apr	27	(Sun)	04:51	05:40	75	12:01	87S	18:22	285	19:11
2025	Apr	28	(Mon)	04:51	05:40	75	12:01	88S	18:23	285	19:12
2025	Apr	29	(Tue)	04:50	05:39	75	12:01	88S	18:23	286	19:12
2025	Apr	30	(Wed)	04:49	05:38	74	12:01	88S	18:23	286	19:12
2025	May	01	(Thu)	04:49	05:38	74	12:01	89S	18:24	286	19:13
2025	May	02	(Fri)	04:48	05:37	74	12:00	89S	18:24	287	19:13
2025	May	03	(Sat)	04:47	05:37	73	12:00	89S	18:24	287	19:14
2025	May	04	(Sun)	04:47	05:36	73	12:00	90S	18:24	287	19:14
2025	May	05	(Mon)	04:46	05:36	73	12:00	90S	18:25	287	19:14
2025	May	06	(Tue)	04:46	05:35	72	12:00	90S	18:25	288	19:15
2025	May	07	(Wed)	04:45	05:35	72	12:00	90S	18:25	288	19:15
2025	May	08	(Thu)	04:45	05:35	72	12:00	91S	18:26	288	19:16
2025	May	09	(Fri)	04:44	05:34	72	12:00	91N	18:26	289	19:16
2025	May	10	(Sat)	04:44	05:34	71	12:00	90N	18:26	289	19:16
2025	May	11	(Sun)	04:43	05:33	71	12:00	90N	18:27	289	19:17
2025	May	12	(Mon)	04:43	05:33	71	12:00	90N	18:27	289	19:17

2025	May	13	(Tue)	04:42	05:33	70	12:00	89N	18:27	290	19:18
2025	May	14	(Wed)	04:42	05:32	70	12:00	89N	18:28	290	19:18
2025	May	15	(Thu)	04:41	05:32	70	12:00	89N	18:28	290	19:19
2025	May	16	(Fri)	04:41	05:32	70	12:00	89N	18:28	290	19:19
2025	May	17	(Sat)	04:41	05:31	69	12:00	89N	18:29	291	19:19
2025	May	18	(Sun)	04:40	05:31	69	12:00	88N	18:29	291	19:20
2025	May	19	(Mon)	04:40	05:31	69	12:00	88N	18:29	291	19:20
2025	May	20	(Tue)	04:40	05:30	69	12:00	88N	18:30	291	19:21
2025	May	21	(Wed)	04:39	05:30	69	12:00	88N	18:30	292	19:21
2025	May	22	(Thu)	04:39	05:30	68	12:00	87N	18:31	292	19:22
2025	May	23	(Fri)	04:39	05:30	68	12:00	87N	18:31	292	19:22
2025	May	24	(Sat)	04:38	05:30	68	12:00	87N	18:31	292	19:23
2025	May	25	(Sun)	04:38	05:29	68	12:00	87N	18:32	292	19:23
2025	May	26	(Mon)	04:38	05:29	68	12:01	87N	18:32	293	19:23
2025	May	27	(Tue)	04:38	05:29	67	12:01	87N	18:32	293	19:24
2025	May	28	(Wed)	04:37	05:29	67	12:01	86N	18:33	293	19:24
2025	May	29	(Thu)	04:37	05:29	67	12:01	86N	18:33	293	19:25
2025	May	30	(Fri)	04:37	05:29	67	12:01	86N	18:33	293	19:25
2025	May	31	(Sat)	04:37	05:29	67	12:01	86N	18:34	293	19:26
2025	Jun	01	(Sun)	04:37	05:29	67	12:01	86N	18:34	294	19:26
2025	Jun	02	(Mon)	04:37	05:29	66	12:02	86N	18:34	294	19:26
2025	Jun	03	(Tue)	04:37	05:29	66	12:02	86N	18:35	294	19:27
2025	Jun	04	(Wed)	04:37	05:29	66	12:02	85N	18:35	294	19:27
2025	Jun	05	(Thu)	04:37	05:29	66	12:02	85N	18:36	294	19:28
2025	Jun	06	(Fri)	04:37	05:29	66	12:02	85N	18:36	294	19:28
2025	Jun	07	(Sat)	04:36	05:29	66	12:02	85N	18:36	294	19:28
2025	Jun	08	(Sun)	04:36	05:29	66	12:03	85N	18:37	294	19:29
2025	Jun	09	(Mon)	04:37	05:29	66	12:03	85N	18:37	294	19:29
2025	Jun	10	(Tue)	04:37	05:29	66	12:03	85N	18:37	294	19:30
2025	Jun	11	(Wed)	04:37	05:29	65	12:03	85N	18:37	295	19:30
2025	Jun	12	(Thu)	04:37	05:29	65	12:03	85N	18:38	295	19:30
2025	Jun	13	(Fri)	04:37	05:29	65	12:04	85N	18:38	295	19:31
2025	Jun	14	(Sat)	04:37	05:29	65	12:04	85N	18:38	295	19:31
2025	Jun	15	(Sun)	04:37	05:29	65	12:04	85N	18:39	295	19:31
2025	Jun	16	(Mon)	04:37	05:30	65	12:04	85N	18:39	295	19:31
2025	Jun	17	(Tue)	04:37	05:30	65	12:04	85N	18:39	295	19:32
2025	Jun	18	(Wed)	04:37	05:30	65	12:05	85N	18:39	295	19:32
2025	Jun	19	(Thu)	04:38	05:30	65	12:05	85N	18:40	295	19:32
2025	Jun	20	(Fri)	04:38	05:30	65	12:05	84N	18:40	295	19:32
2025	Jun	21	(Sat)	04:38	05:31	65	12:05	84N	18:40	295	19:33
2025	Jun	22	(Sun)	04:38	05:31	65	12:06	84N	18:40	295	19:33
2025	Jun	23	(Mon)	04:38	05:31	65	12:06	85N	18:40	295	19:33
2025	Jun	24	(Tue)	04:39	05:31	65	12:06	85N	18:41	295	19:33
2025	Jun	25	(Wed)	04:39	05:32	65	12:06	85N	18:41	295	19:33
2025	Jun	26	(Thu)	04:39	05:32	65	12:06	85N	18:41	295	19:34
2025	Jun	27	(Fri)	04:40	05:32	65	12:07	85N	18:41	295	19:34
2025	Jun	28	(Sat)	04:40	05:32	65	12:07	85N	18:41	295	19:34
2025	Jun	29	(Sun)	04:40	05:33	65	12:07	85N	18:41	295	19:34
2025	Jun	30	(Mon)	04:40	05:33	65	12:07	85N	18:42	295	19:34
2025	Jul	01	(Tue)	04:41	05:33	65	12:07	85N	18:42	295	19:34
2025	Jul	02	(Wed)	04:41	05:33	66	12:08	85N	18:42	294	19:34
2025	Jul	03	(Thu)	04:41	05:34	66	12:08	85N	18:42	294	19:34
2025	Jul	04	(Fri)	04:42	05:34	66	12:08	85N	18:42	294	19:34
2025	Jul	05	(Sat)	04:42	05:34	66	12:08	85N	18:42	294	19:34
2025	Jul	06	(Sun)	04:43	05:35	66	12:08	85N	18:42	294	19:34
2025	Jul	07	(Mon)	04:43	05:35	66	12:08	85N	18:42	294	19:34
2025	Jul	08	(Tue)	04:43	05:35	66	12:09	85N	18:42	294	19:34
2025	Jul	09	(Wed)	04:44	05:36	66	12:09	86N	18:42	294	19:34
2025	Jul	10	(Thu)	04:44	05:36	66	12:09	86N	18:42	294	19:34
2025	Jul	11	(Fri)	04:44	05:36	67	12:09	86N	18:42	293	19:34
2025	Jul	12	(Sat)	04:45	05:37	67	12:09	86N	18:42	293	19:33
2025	Jul	13	(Sun)	04:45	05:37	67	12:09	86N	18:42	293	19:33
2025	Jul	14	(Mon)	04:46	05:37	67	12:09	86N	18:41	293	19:33
2025	Jul	15	(Tue)	04:46	05:38	67	12:10	86N	18:41	293	19:33
2025	Jul	16	(Wed)	04:46	05:38	67	12:10	87N	18:41	293	19:33
2025	Jul	17	(Thu)	04:47	05:38	67	12:10	87N	18:41	292	19:32
2025	Jul	18	(Fri)	04:47	05:39	68	12:10	87N	18:41	292	19:32
2025	Jul	19	(Sat)	04:48	05:39	68	12:10	87N	18:41	292	19:32
2025	Jul	20	(Sun)	04:48	05:39	68	12:10	87N	18:40	292	19:32
2025	Jul	21	(Mon)	04:48	05:40	68	12:10	88N	18:40	292	19:31
2025	Jul	22	(Tue)	04:49	05:40	68	12:10	88N	18:40	291	19:31
2025	Jul	23	(Wed)	04:49	05:40	69	12:10	88N	18:40	291	19:31

2025	Jul	24	(Thu)	04:50	05:41	69	12:10	88N	18:39	291	19:30
2025	Jul	25	(Fri)	04:50	05:41	69	12:10	88N	18:39	291	19:30
2025	Jul	26	(Sat)	04:51	05:41	69	12:10	89N	18:39	291	19:29
2025	Jul	27	(Sun)	04:51	05:42	70	12:10	89N	18:38	290	19:29
2025	Jul	28	(Mon)	04:51	05:42	70	12:10	89N	18:38	290	19:29
2025	Jul	29	(Tue)	04:52	05:42	70	12:10	89N	18:38	290	19:28
2025	Jul	30	(Wed)	04:52	05:43	70	12:10	89N	18:37	290	19:28
2025	Jul	31	(Thu)	04:53	05:43	71	12:10	90N	18:37	289	19:27
2025	Aug	01	(Fri)	04:53	05:43	71	12:10	90N	18:36	289	19:27
2025	Aug	02	(Sat)	04:53	05:43	71	12:10	90N	18:36	289	19:26
2025	Aug	03	(Sun)	04:54	05:44	71	12:10	90N	18:36	288	19:26
2025	Aug	04	(Mon)	04:54	05:44	72	12:10	91S	18:35	288	19:25
2025	Aug	05	(Tue)	04:54	05:44	72	12:10	90S	18:35	288	19:24
2025	Aug	06	(Wed)	04:55	05:45	72	12:09	90S	18:34	288	19:24
2025	Aug	07	(Thu)	04:55	05:45	73	12:09	90S	18:34	287	19:23
2025	Aug	08	(Fri)	04:55	05:45	73	12:09	90S	18:33	287	19:23
2025	Aug	09	(Sat)	04:56	05:45	73	12:09	89S	18:33	287	19:22
2025	Aug	10	(Sun)	04:56	05:46	73	12:09	89S	18:32	286	19:21
2025	Aug	11	(Mon)	04:57	05:46	74	12:09	89S	18:32	286	19:21
2025	Aug	12	(Tue)	04:57	05:46	74	12:09	88S	18:31	286	19:20
2025	Aug	13	(Wed)	04:57	05:46	74	12:08	88S	18:30	285	19:19
2025	Aug	14	(Thu)	04:57	05:46	75	12:08	88S	18:30	285	19:19
2025	Aug	15	(Fri)	04:58	05:47	75	12:08	87S	18:29	285	19:18
2025	Aug	16	(Sat)	04:58	05:47	75	12:08	87S	18:29	284	19:17
2025	Aug	17	(Sun)	04:58	05:47	76	12:08	87S	18:28	284	19:17
2025	Aug	18	(Mon)	04:59	05:47	76	12:07	86S	18:27	284	19:16
2025	Aug	19	(Tue)	04:59	05:48	76	12:07	86S	18:27	283	19:15
2025	Aug	20	(Wed)	04:59	05:48	77	12:07	86S	18:26	283	19:14
2025	Aug	21	(Thu)	05:00	05:48	77	12:07	86S	18:25	283	19:14
2025	Aug	22	(Fri)	05:00	05:48	77	12:06	85S	18:25	282	19:13
2025	Aug	23	(Sat)	05:00	05:48	78	12:06	85S	18:24	282	19:12
2025	Aug	24	(Sun)	05:00	05:49	78	12:06	84S	18:23	282	19:11
2025	Aug	25	(Mon)	05:01	05:49	78	12:06	84S	18:22	281	19:10
2025	Aug	26	(Tue)	05:01	05:49	79	12:05	84S	18:22	281	19:10
2025	Aug	27	(Wed)	05:01	05:49	79	12:05	83S	18:21	281	19:09
2025	Aug	28	(Thu)	05:01	05:49	80	12:05	83S	18:20	280	19:08
2025	Aug	29	(Fri)	05:02	05:49	80	12:04	83S	18:19	280	19:07
2025	Aug	30	(Sat)	05:02	05:50	80	12:04	82S	18:19	279	19:06
2025	Aug	31	(Sun)	05:02	05:50	81	12:04	82S	18:18	279	19:05
2025	Sep	01	(Mon)	05:02	05:50	81	12:04	82S	18:17	279	19:05
2025	Sep	02	(Tue)	05:02	05:50	81	12:03	81S	18:16	278	19:04
2025	Sep	03	(Wed)	05:03	05:50	82	12:03	81S	18:15	278	19:03
2025	Sep	04	(Thu)	05:03	05:50	82	12:03	81S	18:15	278	19:02
2025	Sep	05	(Fri)	05:03	05:50	83	12:02	80S	18:14	277	19:01
2025	Sep	06	(Sat)	05:03	05:50	83	12:02	80S	18:13	277	19:00
2025	Sep	07	(Sun)	05:03	05:51	83	12:02	79S	18:12	276	19:00
2025	Sep	08	(Mon)	05:03	05:51	84	12:01	79S	18:11	276	18:59
2025	Sep	09	(Tue)	05:04	05:51	84	12:01	79S	18:11	276	18:58
2025	Sep	10	(Wed)	05:04	05:51	85	12:01	78S	18:10	275	18:57
2025	Sep	11	(Thu)	05:04	05:51	85	12:00	78S	18:09	275	18:56
2025	Sep	12	(Fri)	05:04	05:51	85	12:00	78S	18:08	274	18:55
2025	Sep	13	(Sat)	05:04	05:51	86	11:59	77S	18:07	274	18:54
2025	Sep	14	(Sun)	05:04	05:51	86	11:59	77S	18:06	274	18:53
2025	Sep	15	(Mon)	05:05	05:52	87	11:59	76S	18:06	273	18:53
2025	Sep	16	(Tue)	05:05	05:52	87	11:58	76S	18:05	273	18:52
2025	Sep	17	(Wed)	05:05	05:52	87	11:58	76S	18:04	272	18:51
2025	Sep	18	(Thu)	05:05	05:52	88	11:58	75S	18:03	272	18:50
2025	Sep	19	(Fri)	05:05	05:52	88	11:57	75S	18:02	272	18:49
2025	Sep	20	(Sat)	05:05	05:52	89	11:57	74S	18:01	271	18:48
2025	Sep	21	(Sun)	05:06	05:52	89	11:57	74S	18:01	271	18:47
2025	Sep	22	(Mon)	05:06	05:52	89	11:56	74S	18:00	270	18:47
2025	Sep	23	(Tue)	05:06	05:53	90	11:56	73S	17:59	270	18:46
2025	Sep	24	(Wed)	05:06	05:53	90	11:56	73S	17:58	270	18:45
2025	Sep	25	(Thu)	05:06	05:53	91	11:55	73S	17:57	269	18:44
2025	Sep	26	(Fri)	05:06	05:53	91	11:55	72S	17:56	269	18:43
2025	Sep	27	(Sat)	05:06	05:53	91	11:55	72S	17:56	268	18:42
2025	Sep	28	(Sun)	05:07	05:53	92	11:54	71S	17:55	268	18:42
2025	Sep	29	(Mon)	05:07	05:53	92	11:54	71S	17:54	268	18:41
2025	Sep	30	(Tue)	05:07	05:54	93	11:54	71S	17:53	267	18:40
2025	Oct	01	(Wed)	05:07	05:54	93	11:53	70S	17:52	267	18:39
2025	Oct	02	(Thu)	05:07	05:54	93	11:53	70S	17:52	266	18:38
2025	Oct	03	(Fri)	05:07	05:54	94	11:53	69S	17:51	266	18:38

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

2025	Dec 15	(Mon)	05:35	06:25	114	11:59	50S	17:32	246	18:22
2025	Dec 16	(Tue)	05:35	06:26	114	11:59	50S	17:32	246	18:23
2025	Dec 17	(Wed)	05:36	06:26	114	12:00	50S	17:33	246	18:23
2025	Dec 18	(Thu)	05:36	06:27	114	12:00	50S	17:33	246	18:24
2025	Dec 19	(Fri)	05:37	06:27	114	12:01	50S	17:34	246	18:24
2025	Dec 20	(Sat)	05:37	06:28	114	12:01	50S	17:34	246	18:25
2025	Dec 21	(Sun)	05:38	06:28	114	12:02	50S	17:35	246	18:25
2025	Dec 22	(Mon)	05:38	06:29	114	12:02	50S	17:35	246	18:26
2025	Dec 23	(Tue)	05:39	06:29	114	12:03	50S	17:36	246	18:26
2025	Dec 24	(Wed)	05:39	06:30	114	12:03	50S	17:36	246	18:27
2025	Dec 25	(Thu)	05:40	06:30	114	12:04	50S	17:37	246	18:27
2025	Dec 26	(Fri)	05:40	06:31	114	12:04	50S	17:37	246	18:28
2025	Dec 27	(Sat)	05:41	06:31	114	12:05	50S	17:38	246	18:28
2025	Dec 28	(Sun)	05:41	06:32	114	12:05	50S	17:38	246	18:29
2025	Dec 29	(Mon)	05:42	06:32	114	12:06	50S	17:39	246	18:30
2025	Dec 30	(Tue)	05:42	06:33	114	12:06	50S	17:40	246	18:30
2025	Dec 31	(Wed)	05:42	06:33	114	12:06	50S	17:40	246	18:31

Sun

Sakon Nakhon

Location: E104°07'19.1", N17°13'11.9", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

2025	Feb	12	(Wed)	06:09	06:31	104	12:18	60S	18:04	256	18:26
2025	Feb	13	(Thu)	06:09	06:31	104	12:18	60S	18:05	256	18:27
2025	Feb	14	(Fri)	06:08	06:30	103	12:18	61S	18:05	257	18:27
2025	Feb	15	(Sat)	06:08	06:30	103	12:18	61S	18:05	257	18:28
2025	Feb	16	(Sun)	06:07	06:30	103	12:18	61S	18:06	258	18:28
2025	Feb	17	(Mon)	06:07	06:29	102	12:17	62S	18:06	258	18:28
2025	Feb	18	(Tue)	06:06	06:28	102	12:17	62S	18:07	258	18:29
2025	Feb	19	(Wed)	06:06	06:28	102	12:17	62S	18:07	259	18:29
2025	Feb	20	(Thu)	06:05	06:27	101	12:17	63S	18:07	259	18:29
2025	Feb	21	(Fri)	06:05	06:27	101	12:17	63S	18:08	259	18:30
2025	Feb	22	(Sat)	06:04	06:26	100	12:17	63S	18:08	260	18:30
2025	Feb	23	(Sun)	06:04	06:26	100	12:17	64S	18:08	260	18:30
2025	Feb	24	(Mon)	06:03	06:25	100	12:17	64S	18:09	261	18:30
2025	Feb	25	(Tue)	06:03	06:24	99	12:17	64S	18:09	261	18:31
2025	Feb	26	(Wed)	06:02	06:24	99	12:16	65S	18:09	261	18:31
2025	Feb	27	(Thu)	06:01	06:23	98	12:16	65S	18:09	262	18:31
2025	Feb	28	(Fri)	06:01	06:22	98	12:16	66S	18:10	262	18:32
2025	Mar	01	(Sat)	06:00	06:22	98	12:16	66S	18:10	263	18:32
2025	Mar	02	(Sun)	05:59	06:21	97	12:16	66S	18:10	263	18:32
2025	Mar	03	(Mon)	05:59	06:20	97	12:15	67S	18:11	263	18:32
2025	Mar	04	(Tue)	05:58	06:20	96	12:15	67S	18:11	264	18:33
2025	Mar	05	(Wed)	05:57	06:19	96	12:15	68S	18:11	264	18:33
2025	Mar	06	(Thu)	05:57	06:18	96	12:15	68S	18:11	265	18:33
2025	Mar	07	(Fri)	05:56	06:18	95	12:15	68S	18:12	265	18:33
2025	Mar	08	(Sat)	05:55	06:17	95	12:14	69S	18:12	265	18:34
2025	Mar	09	(Sun)	05:55	06:16	94	12:14	69S	18:12	266	18:34
2025	Mar	10	(Mon)	05:54	06:15	94	12:14	69S	18:12	266	18:34
2025	Mar	11	(Tue)	05:53	06:15	94	12:14	70S	18:13	267	18:34
2025	Mar	12	(Wed)	05:52	06:14	93	12:13	70S	18:13	267	18:34
2025	Mar	13	(Thu)	05:52	06:13	93	12:13	71S	18:13	267	18:35
2025	Mar	14	(Fri)	05:51	06:12	92	12:13	71S	18:13	268	18:35
2025	Mar	15	(Sat)	05:50	06:12	92	12:12	71S	18:13	268	18:35
2025	Mar	16	(Sun)	05:49	06:11	92	12:12	72S	18:14	269	18:35
2025	Mar	17	(Mon)	05:48	06:10	91	12:12	72S	18:14	269	18:35
2025	Mar	18	(Tue)	05:48	06:09	91	12:12	73S	18:14	269	18:36
2025	Mar	19	(Wed)	05:47	06:09	90	12:11	73S	18:14	270	18:36
2025	Mar	20	(Thu)	05:46	06:08	90	12:11	73S	18:14	270	18:36
2025	Mar	21	(Fri)	05:45	06:07	89	12:11	74S	18:15	271	18:36
2025	Mar	22	(Sat)	05:45	06:06	89	12:10	74S	18:15	271	18:36
2025	Mar	23	(Sun)	05:44	06:05	89	12:10	75S	18:15	272	18:37
2025	Mar	24	(Mon)	05:43	06:05	88	12:10	75S	18:15	272	18:37
2025	Mar	25	(Tue)	05:42	06:04	88	12:09	75S	18:15	272	18:37
2025	Mar	26	(Wed)	05:41	06:03	87	12:09	76S	18:16	273	18:37
2025	Mar	27	(Thu)	05:41	06:02	87	12:09	76S	18:16	273	18:37
2025	Mar	28	(Fri)	05:40	06:01	87	12:09	77S	18:16	274	18:38
2025	Mar	29	(Sat)	05:39	06:01	86	12:08	77S	18:16	274	18:38
2025	Mar	30	(Sun)	05:38	06:00	86	12:08	77S	18:16	274	18:38
2025	Mar	31	(Mon)	05:37	05:59	85	12:08	78S	18:16	275	18:38
2025	Apr	01	(Tue)	05:37	05:58	85	12:07	78S	18:17	275	18:38
2025	Apr	02	(Wed)	05:36	05:58	85	12:07	79S	18:17	276	18:39
2025	Apr	03	(Thu)	05:35	05:57	84	12:07	79S	18:17	276	18:39
2025	Apr	04	(Fri)	05:34	05:56	84	12:06	79S	18:17	276	18:39
2025	Apr	05	(Sat)	05:33	05:55	83	12:06	80S	18:17	277	18:39
2025	Apr	06	(Sun)	05:33	05:54	83	12:06	80S	18:18	277	18:39
2025	Apr	07	(Mon)	05:32	05:54	83	12:06	80S	18:18	278	18:40
2025	Apr	08	(Tue)	05:31	05:53	82	12:05	81S	18:18	278	18:40
2025	Apr	09	(Wed)	05:30	05:52	82	12:05	81S	18:18	278	18:40
2025	Apr	10	(Thu)	05:30	05:51	81	12:05	82S	18:18	279	18:40
2025	Apr	11	(Fri)	05:29	05:51	81	12:05	82S	18:19	279	18:41
2025	Apr	12	(Sat)	05:28	05:50	81	12:04	82S	18:19	280	18:41
2025	Apr	13	(Sun)	05:27	05:49	80	12:04	83S	18:19	280	18:41
2025	Apr	14	(Mon)	05:27	05:49	80	12:04	83S	18:19	280	18:41
2025	Apr	15	(Tue)	05:26	05:48	80	12:04	83S	18:19	281	18:42
2025	Apr	16	(Wed)	05:25	05:47	79	12:03	84S	18:20	281	18:42
2025	Apr	17	(Thu)	05:24	05:46	79	12:03	84S	18:20	281	18:42
2025	Apr	18	(Fri)	05:24	05:46	78	12:03	84S	18:20	282	18:42
2025	Apr	19	(Sat)	05:23	05:45	78	12:03	85S	18:20	282	18:43
2025	Apr	20	(Sun)	05:22	05:44	78	12:02	85S	18:21	283	18:43
2025	Apr	21	(Mon)	05:22	05:44	77	12:02	85S	18:21	283	18:43
2025	Apr	22	(Tue)	05:21	05:43	77	12:02	86S	18:21	283	18:43
2025	Apr	23	(Wed)	05:20	05:43	77	12:02	86S	18:21	284	18:44
2025	Apr	24	(Thu)	05:20	05:42	76	12:02	86S	18:22	284	18:44

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

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

2025	Sep	16	(Tue)	05:30	05:52	87	11:58	76S	18:05	273	18:26
2025	Sep	17	(Wed)	05:30	05:52	87	11:58	76S	18:04	272	18:26
2025	Sep	18	(Thu)	05:30	05:52	88	11:58	75S	18:03	272	18:25
2025	Sep	19	(Fri)	05:30	05:52	88	11:57	75S	18:02	272	18:24
2025	Sep	20	(Sat)	05:31	05:52	89	11:57	74S	18:01	271	18:23
2025	Sep	21	(Sun)	05:31	05:52	89	11:57	74S	18:01	271	18:22
2025	Sep	22	(Mon)	05:31	05:52	89	11:56	74S	18:00	270	18:21
2025	Sep	23	(Tue)	05:31	05:53	90	11:56	73S	17:59	270	18:21
2025	Sep	24	(Wed)	05:31	05:53	90	11:56	73S	17:58	270	18:20
2025	Sep	25	(Thu)	05:31	05:53	91	11:55	73S	17:57	269	18:19
2025	Sep	26	(Fri)	05:31	05:53	91	11:55	72S	17:56	269	18:18
2025	Sep	27	(Sat)	05:32	05:53	91	11:55	72S	17:56	268	18:17
2025	Sep	28	(Sun)	05:32	05:53	92	11:54	71S	17:55	268	18:16
2025	Sep	29	(Mon)	05:32	05:53	92	11:54	71S	17:54	268	18:16
2025	Sep	30	(Tue)	05:32	05:54	93	11:54	71S	17:53	267	18:15
2025	Oct	01	(Wed)	05:32	05:54	93	11:53	70S	17:52	267	18:14
2025	Oct	02	(Thu)	05:32	05:54	93	11:53	70S	17:52	266	18:13
2025	Oct	03	(Fri)	05:32	05:54	94	11:53	69S	17:51	266	18:12
2025	Oct	04	(Sat)	05:33	05:54	94	11:52	69S	17:50	266	18:12
2025	Oct	05	(Sun)	05:33	05:54	95	11:52	69S	17:49	265	18:11
2025	Oct	06	(Mon)	05:33	05:55	95	11:52	68S	17:48	265	18:10
2025	Oct	07	(Tue)	05:33	05:55	96	11:51	68S	17:48	264	18:09
2025	Oct	08	(Wed)	05:33	05:55	96	11:51	68S	17:47	264	18:09
2025	Oct	09	(Thu)	05:33	05:55	96	11:51	67S	17:46	264	18:08
2025	Oct	10	(Fri)	05:34	05:55	97	11:51	67S	17:45	263	18:07
2025	Oct	11	(Sat)	05:34	05:56	97	11:50	66S	17:45	263	18:06
2025	Oct	12	(Sun)	05:34	05:56	97	11:50	66S	17:44	262	18:06
2025	Oct	13	(Mon)	05:34	05:56	98	11:50	66S	17:43	262	18:05
2025	Oct	14	(Tue)	05:34	05:56	98	11:50	65S	17:43	262	18:04
2025	Oct	15	(Wed)	05:35	05:56	99	11:49	65S	17:42	261	18:04
2025	Oct	16	(Thu)	05:35	05:57	99	11:49	65S	17:41	261	18:03
2025	Oct	17	(Fri)	05:35	05:57	99	11:49	64S	17:41	260	18:02
2025	Oct	18	(Sat)	05:35	05:57	100	11:49	64S	17:40	260	18:02
2025	Oct	19	(Sun)	05:36	05:58	100	11:48	63S	17:39	260	18:01
2025	Oct	20	(Mon)	05:36	05:58	101	11:48	63S	17:39	259	18:01
2025	Oct	21	(Tue)	05:36	05:58	101	11:48	63S	17:38	259	18:00
2025	Oct	22	(Wed)	05:36	05:58	101	11:48	62S	17:37	259	17:59
2025	Oct	23	(Thu)	05:37	05:59	102	11:48	62S	17:37	258	17:59
2025	Oct	24	(Fri)	05:37	05:59	102	11:48	62S	17:36	258	17:58
2025	Oct	25	(Sat)	05:37	05:59	102	11:48	61S	17:36	257	17:58
2025	Oct	26	(Sun)	05:38	06:00	103	11:48	61S	17:35	257	17:57
2025	Oct	27	(Mon)	05:38	06:00	103	11:47	61S	17:35	257	17:57
2025	Oct	28	(Tue)	05:38	06:00	103	11:47	60S	17:34	256	17:56
2025	Oct	29	(Wed)	05:38	06:01	104	11:47	60S	17:34	256	17:56
2025	Oct	30	(Thu)	05:39	06:01	104	11:47	60S	17:33	256	17:55
2025	Oct	31	(Fri)	05:39	06:01	105	11:47	59S	17:33	255	17:55
2025	Nov	01	(Sat)	05:40	06:02	105	11:47	59S	17:32	255	17:55
2025	Nov	02	(Sun)	05:40	06:02	105	11:47	59S	17:32	255	17:54
2025	Nov	03	(Mon)	05:40	06:03	106	11:47	58S	17:31	254	17:54
2025	Nov	04	(Tue)	05:41	06:03	106	11:47	58S	17:31	254	17:53
2025	Nov	05	(Wed)	05:41	06:03	106	11:47	58S	17:31	254	17:53
2025	Nov	06	(Thu)	05:41	06:04	106	11:47	57S	17:30	253	17:53
2025	Nov	07	(Fri)	05:42	06:04	107	11:47	57S	17:30	253	17:52
2025	Nov	08	(Sat)	05:42	06:05	107	11:47	57S	17:30	253	17:52
2025	Nov	09	(Sun)	05:43	06:05	107	11:47	57S	17:29	252	17:52
2025	Nov	10	(Mon)	05:43	06:06	108	11:47	56S	17:29	252	17:52
2025	Nov	11	(Tue)	05:44	06:06	108	11:48	56S	17:29	252	17:51
2025	Nov	12	(Wed)	05:44	06:07	108	11:48	56S	17:28	252	17:51
2025	Nov	13	(Thu)	05:44	06:07	109	11:48	55S	17:28	251	17:51
2025	Nov	14	(Fri)	05:45	06:08	109	11:48	55S	17:28	251	17:51
2025	Nov	15	(Sat)	05:45	06:08	109	11:48	55S	17:28	251	17:51
2025	Nov	16	(Sun)	05:46	06:09	109	11:48	55S	17:28	251	17:51
2025	Nov	17	(Mon)	05:46	06:09	110	11:48	54S	17:28	250	17:50
2025	Nov	18	(Tue)	05:47	06:10	110	11:49	54S	17:27	250	17:50
2025	Nov	19	(Wed)	05:47	06:10	110	11:49	54S	17:27	250	17:50
2025	Nov	20	(Thu)	05:48	06:11	110	11:49	54S	17:27	250	17:50
2025	Nov	21	(Fri)	05:48	06:11	111	11:49	54S	17:27	249	17:50
2025	Nov	22	(Sat)	05:49	06:12	111	11:50	53S	17:27	249	17:50
2025	Nov	23	(Sun)	05:49	06:12	111	11:50	53S	17:27	249	17:50
2025	Nov	24	(Mon)	05:50	06:13	111	11:50	53S	17:27	249	17:50
2025	Nov	25	(Tue)	05:51	06:14	111	11:50	53S	17:27	248	17:50
2025	Nov	26	(Wed)	05:51	06:14	112	11:51	53S	17:27	248	17:50

2025	Nov	27	(Thu)	05:52	06:15	112	11:51	52S	17:27	248	17:51
2025	Nov	28	(Fri)	05:52	06:15	112	11:51	52S	17:27	248	17:51
2025	Nov	29	(Sat)	05:53	06:16	112	11:52	52S	17:28	248	17:51
2025	Nov	30	(Sun)	05:53	06:17	112	11:52	52S	17:28	247	17:51
2025	Dec	01	(Mon)	05:54	06:17	113	11:53	52S	17:28	247	17:51
2025	Dec	02	(Tue)	05:54	06:18	113	11:53	52S	17:28	247	17:51
2025	Dec	03	(Wed)	05:55	06:18	113	11:53	51S	17:28	247	17:52
2025	Dec	04	(Thu)	05:56	06:19	113	11:54	51S	17:28	247	17:52
2025	Dec	05	(Fri)	05:56	06:19	113	11:54	51S	17:29	247	17:52
2025	Dec	06	(Sat)	05:57	06:20	113	11:55	51S	17:29	247	17:52
2025	Dec	07	(Sun)	05:57	06:21	113	11:55	51S	17:29	246	17:53
2025	Dec	08	(Mon)	05:58	06:21	114	11:55	51S	17:29	246	17:53
2025	Dec	09	(Tue)	05:58	06:22	114	11:56	51S	17:30	246	17:53
2025	Dec	10	(Wed)	05:59	06:22	114	11:56	51S	17:30	246	17:54
2025	Dec	11	(Thu)	06:00	06:23	114	11:57	50S	17:30	246	17:54
2025	Dec	12	(Fri)	06:00	06:24	114	11:57	50S	17:31	246	17:54
2025	Dec	13	(Sat)	06:01	06:24	114	11:58	50S	17:31	246	17:55
2025	Dec	14	(Sun)	06:01	06:25	114	11:58	50S	17:31	246	17:55
2025	Dec	15	(Mon)	06:02	06:25	114	11:59	50S	17:32	246	17:55
2025	Dec	16	(Tue)	06:02	06:26	114	11:59	50S	17:32	246	17:56
2025	Dec	17	(Wed)	06:03	06:26	114	12:00	50S	17:33	246	17:56
2025	Dec	18	(Thu)	06:03	06:27	114	12:00	50S	17:33	246	17:57
2025	Dec	19	(Fri)	06:04	06:27	114	12:01	50S	17:34	246	17:57
2025	Dec	20	(Sat)	06:04	06:28	114	12:01	50S	17:34	246	17:58
2025	Dec	21	(Sun)	06:05	06:28	114	12:02	50S	17:35	246	17:58
2025	Dec	22	(Mon)	06:05	06:29	114	12:02	50S	17:35	246	17:59
2025	Dec	23	(Tue)	06:06	06:29	114	12:03	50S	17:36	246	17:59
2025	Dec	24	(Wed)	06:06	06:30	114	12:03	50S	17:36	246	18:00
2025	Dec	25	(Thu)	06:07	06:30	114	12:04	50S	17:37	246	18:00
2025	Dec	26	(Fri)	06:07	06:31	114	12:04	50S	17:37	246	18:01
2025	Dec	27	(Sat)	06:08	06:31	114	12:05	50S	17:38	246	18:01
2025	Dec	28	(Sun)	06:08	06:32	114	12:05	50S	17:38	246	18:02
2025	Dec	29	(Mon)	06:09	06:32	114	12:06	50S	17:39	246	18:02
2025	Dec	30	(Tue)	06:09	06:33	114	12:06	50S	17:40	246	18:03
2025	Dec	31	(Wed)	06:09	06:33	114	12:06	50S	17:40	246	18:04

Moon

Sakon Nakhon
Location: E104°07'19.1", N17°13'11.9", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit Alt.	Set	Az.
	h m °		h m °	h m °	
2025 Jan 01 (Wed)	07:43	117	13:21	48S	19:01 244
2025 Jan 02 (Thu)	08:33	113	14:15	52S	20:01 249
2025 Jan 03 (Fri)	09:18	108	15:07	57S	21:00 255
2025 Jan 04 (Sat)	09:59	101	15:56	64S	21:57 262
2025 Jan 05 (Sun)	10:38	95	16:43	71S	22:53 269
2025 Jan 06 (Mon)	11:16	87	17:31	78S	23:50 276
2025 Jan 07 (Tue)	11:55	80	18:19	84S	
2025 Jan 08 (Wed)	12:37	74	19:10	91S	00:47 283
2025 Jan 09 (Thu)	13:22	68	20:04	85N	01:47 290
2025 Jan 10 (Fri)	14:13	63	21:02	82N	02:50 295
2025 Jan 11 (Sat)	15:09	61	22:03	80N	03:54 298
2025 Jan 12 (Sun)	16:10	60	23:04	79N	04:58 300
2025 Jan 13 (Mon)	17:12	62			05:58 299
2025 Jan 14 (Tue)	18:13	65	00:04	81N	06:53 297
2025 Jan 15 (Wed)	19:11	69	00:59	85N	07:41 293
2025 Jan 16 (Thu)	20:05	75	01:49	89N	08:23 288
2025 Jan 17 (Fri)	20:56	81	02:35	87S	09:01 282
2025 Jan 18 (Sat)	21:44	87	03:17	81S	09:35 276
2025 Jan 19 (Sun)	22:31	93	03:58	75S	10:07 270
2025 Jan 20 (Mon)	23:18	99	04:37	69S	10:39 264
2025 Jan 21 (Tue)			05:16	63S	11:11 258
2025 Jan 22 (Wed)	00:06	105	05:57	58S	11:46 253
2025 Jan 23 (Thu)	00:55	110	06:41	53S	12:24 248
2025 Jan 24 (Fri)	01:48	114	07:28	49S	13:06 244
2025 Jan 25 (Sat)	02:42	118	08:18	46S	13:53 241

2025	Jan	26	(Sun)	03:39	120	09:13	44S	14:46	240
2025	Jan	27	(Mon)	04:37	120	10:10	45S	15:44	241
2025	Jan	28	(Tue)	05:32	118	11:08	46S	16:46	243
2025	Jan	29	(Wed)	06:24	115	12:04	50S	17:48	247
2025	Jan	30	(Thu)	07:12	110	12:59	55S	18:49	253
2025	Jan	31	(Fri)	07:55	104	13:50	61S	19:49	259
2025	Feb	01	(Sat)	08:36	97	14:39	68S	20:47	267
2025	Feb	02	(Sun)	09:16	90	15:27	75S	21:44	274
2025	Feb	03	(Mon)	09:55	82	16:16	83S	22:42	281
2025	Feb	04	(Tue)	10:36	75	17:06	89S	23:42	288
2025	Feb	05	(Wed)	11:20	69	18:00	87N		
2025	Feb	06	(Thu)	12:09	64	18:56	82N	00:43	294
2025	Feb	07	(Fri)	13:02	61	19:55	80N	01:46	298
2025	Feb	08	(Sat)	14:00	60	20:55	79N	02:49	300
2025	Feb	09	(Sun)	15:01	61	21:54	80N	03:50	300
2025	Feb	10	(Mon)	16:01	63	22:50	83N	04:45	298
2025	Feb	11	(Tue)	17:00	67	23:41	87N	05:35	295
2025	Feb	12	(Wed)	17:55	72			06:18	290
2025	Feb	13	(Thu)	18:47	78	00:28	89S	06:57	285
2025	Feb	14	(Fri)	19:36	84	01:12	83S	07:33	279
2025	Feb	15	(Sat)	20:24	91	01:53	77S	08:06	272
2025	Feb	16	(Sun)	21:11	97	02:33	71S	08:38	266
2025	Feb	17	(Mon)	21:58	103	03:12	65S	09:10	260
2025	Feb	18	(Tue)	22:47	108	03:52	60S	09:43	255
2025	Feb	19	(Wed)	23:38	113	04:35	55S	10:19	250
2025	Feb	20	(Thu)			05:20	50S	10:59	245
2025	Feb	21	(Fri)	00:31	117	06:08	47S	11:43	242
2025	Feb	22	(Sat)	01:26	119	07:00	45S	12:33	240
2025	Feb	23	(Sun)	02:22	120	07:55	44S	13:28	240
2025	Feb	24	(Mon)	03:18	120	08:52	45S	14:27	241
2025	Feb	25	(Tue)	04:11	117	09:49	48S	15:29	245
2025	Feb	26	(Wed)	05:00	113	10:44	52S	16:31	250
2025	Feb	27	(Thu)	05:46	107	11:37	58S	17:32	256
2025	Feb	28	(Fri)	06:29	100	12:28	65S	18:32	263
2025	Mar	01	(Sat)	07:10	93	13:18	72S	19:31	271
2025	Mar	02	(Sun)	07:50	85	14:08	80S	20:31	279
2025	Mar	03	(Mon)	08:32	78	15:00	87S	21:32	286
2025	Mar	04	(Tue)	09:16	71	15:53	88N	22:35	292
2025	Mar	05	(Wed)	10:05	66	16:50	83N	23:39	297
2025	Mar	06	(Thu)	10:58	62	17:49	80N		
2025	Mar	07	(Fri)	11:55	60	18:50	79N	00:43	299
2025	Mar	08	(Sat)	12:55	60	19:49	80N	01:45	300
2025	Mar	09	(Sun)	13:55	62	20:45	82N	02:41	299
2025	Mar	10	(Mon)	14:53	66	21:37	86N	03:32	296
2025	Mar	11	(Tue)	15:49	70	22:25	91N	04:17	292
2025	Mar	12	(Wed)	16:41	76	23:09	85S	04:57	287
2025	Mar	13	(Thu)	17:31	82	23:50	79S	05:32	281
2025	Mar	14	(Fri)	18:19	88			06:06	275
2025	Mar	15	(Sat)	19:06	95	00:30	73S	06:38	269
2025	Mar	16	(Sun)	19:53	101	01:10	67S	07:10	262
2025	Mar	17	(Mon)	20:41	106	01:49	62S	07:43	257
2025	Mar	18	(Tue)	21:31	111	02:31	56S	08:18	251
2025	Mar	19	(Wed)	22:23	115	03:15	52S	08:56	247
2025	Mar	20	(Thu)	23:17	118	04:01	48S	09:38	243
2025	Mar	21	(Fri)			04:51	45S	10:25	241
2025	Mar	22	(Sat)	00:11	120	05:44	44S	11:17	240
2025	Mar	23	(Sun)	01:06	120	06:39	44S	12:13	240
2025	Mar	24	(Mon)	01:59	118	07:34	46S	13:12	243
2025	Mar	25	(Tue)	02:49	115	08:29	50S	14:12	247
2025	Mar	26	(Wed)	03:35	110	09:22	55S	15:12	253
2025	Mar	27	(Thu)	04:19	104	10:13	61S	16:12	259
2025	Mar	28	(Fri)	05:00	97	11:04	68S	17:12	267
2025	Mar	29	(Sat)	05:41	89	11:54	76S	18:12	275
2025	Mar	30	(Sun)	06:23	81	12:46	83S	19:14	282
2025	Mar	31	(Mon)	07:07	74	13:40	90S	20:18	289
2025	Apr	01	(Tue)	07:55	68	14:38	85N	21:25	295
2025	Apr	02	(Wed)	08:48	63	15:39	81N	22:32	299
2025	Apr	03	(Thu)	09:46	61	16:41	79N	23:36	300
2025	Apr	04	(Fri)	10:47	60	17:42	79N		
2025	Apr	05	(Sat)	11:49	61	18:41	81N	00:36	300
2025	Apr	06	(Sun)	12:48	65	19:34	85N	01:30	297
2025	Apr	07	(Mon)	13:45	69	20:23	89N	02:16	293

2025 Apr 08 (Tue)	14:38 74	21:08 87S	02:57 288
2025 Apr 09 (Wed)	15:28 80	21:50 81S	03:34 283
2025 Apr 10 (Thu)	16:16 86	22:30 75S	04:08 277
2025 Apr 11 (Fri)	17:02 92	23:09 69S	04:40 271
2025 Apr 12 (Sat)	17:49 99	23:48 64S	05:12 265
2025 Apr 13 (Sun)	18:37 104		05:44 259
2025 Apr 14 (Mon)	19:26 110	00:29 58S	06:18 253
2025 Apr 15 (Tue)	20:17 114	01:12 53S	06:55 248
2025 Apr 16 (Wed)	21:11 117	01:58 49S	07:36 244
2025 Apr 17 (Thu)	22:05 120	02:47 46S	08:21 241
2025 Apr 18 (Fri)	22:59 120	03:38 45S	09:11 240
2025 Apr 19 (Sat)	23:52 119	04:32 44S	10:05 240
2025 Apr 20 (Sun)		05:26 46S	11:01 242
2025 Apr 21 (Mon)	00:41 116	06:19 48S	11:59 245
2025 Apr 22 (Tue)	01:27 112	07:11 53S	12:58 250
2025 Apr 23 (Wed)	02:11 107	08:01 58S	13:56 256
2025 Apr 24 (Thu)	02:51 100	08:50 65S	14:53 263
2025 Apr 25 (Fri)	03:31 93	09:39 72S	15:52 271
2025 Apr 26 (Sat)	04:12 85	10:30 80S	16:52 278
2025 Apr 27 (Sun)	04:55 78	11:23 87S	17:55 286
2025 Apr 28 (Mon)	05:41 71	12:19 88N	19:02 292
2025 Apr 29 (Tue)	06:33 65	13:20 83N	20:11 297
2025 Apr 30 (Wed)	07:31 62	14:24 80N	21:19 300
2025 May 01 (Thu)	08:33 60	15:28 79N	22:24 300
2025 May 02 (Fri)	09:37 61	16:30 80N	23:22 298
2025 May 03 (Sat)	10:39 63	17:28 83N	
2025 May 04 (Sun)	11:38 67	18:19 88N	00:12 295
2025 May 05 (Mon)	12:33 73	19:06 89S	00:56 290
2025 May 06 (Tue)	13:25 78	19:49 83S	01:35 284
2025 May 07 (Wed)	14:13 84	20:29 77S	02:09 279
2025 May 08 (Thu)	15:00 91	21:09 71S	02:42 273
2025 May 09 (Fri)	15:47 97	21:48 65S	03:14 266
2025 May 10 (Sat)	16:34 103	22:28 60S	03:46 260
2025 May 11 (Sun)	17:22 108	23:10 55S	04:19 255
2025 May 12 (Mon)	18:13 113	23:55 51S	04:55 250
2025 May 13 (Tue)	19:06 116		05:35 246
2025 May 14 (Wed)	20:00 119	00:43 47S	06:19 242
2025 May 15 (Thu)	20:54 120	01:34 45S	07:07 240
2025 May 16 (Fri)	21:47 119	02:27 44S	08:00 240
2025 May 17 (Sat)	22:38 117	03:21 45S	08:56 241
2025 May 18 (Sun)	23:24 114	04:14 48S	09:53 244
2025 May 19 (Mon)		05:06 51S	10:50 248
2025 May 20 (Tue)	00:07 109	05:55 56S	11:46 254
2025 May 21 (Wed)	00:47 103	06:43 62S	12:42 260
2025 May 22 (Thu)	01:26 96	07:30 69S	13:38 267
2025 May 23 (Fri)	02:05 89	08:18 76S	14:36 275
2025 May 24 (Sat)	02:45 81	09:08 83S	15:35 282
2025 May 25 (Sun)	03:29 74	10:01 90S	16:39 289
2025 May 26 (Mon)	04:17 68	10:59 86N	17:46 295
2025 May 27 (Tue)	05:12 63	12:02 81N	18:56 298
2025 May 28 (Wed)	06:12 61	13:08 79N	20:04 300
2025 May 29 (Thu)	07:17 60	14:13 80N	21:07 299
2025 May 30 (Fri)	08:23 62	15:14 82N	22:02 296
2025 May 31 (Sat)	09:25 66	16:10 86N	22:50 292
2025 Jun 01 (Sun)	10:24 71	17:00 91S	23:32 286
2025 Jun 02 (Mon)	11:18 76	17:45 85S	
2025 Jun 03 (Tue)	12:08 82	18:27 79S	00:09 281
2025 Jun 04 (Wed)	12:56 89	19:07 73S	00:42 274
2025 Jun 05 (Thu)	13:43 95	19:47 67S	01:15 268
2025 Jun 06 (Fri)	14:30 101	20:26 62S	01:47 262
2025 Jun 07 (Sat)	15:18 106	21:08 56S	02:20 257
2025 Jun 08 (Sun)	16:08 111	21:52 52S	02:55 251
2025 Jun 09 (Mon)	17:00 115	22:39 48S	03:33 247
2025 Jun 10 (Tue)	17:54 118	23:29 46S	04:16 243
2025 Jun 11 (Wed)	18:49 120		05:03 241
2025 Jun 12 (Thu)	19:43 120	00:22 44S	05:55 240
2025 Jun 13 (Fri)	20:35 118	01:17 45S	06:51 241
2025 Jun 14 (Sat)	21:23 115	02:10 47S	07:48 243
2025 Jun 15 (Sun)	22:06 110	03:03 50S	08:46 247
2025 Jun 16 (Mon)	22:47 105	03:53 55S	09:42 252
2025 Jun 17 (Tue)	23:26 98	04:40 61S	10:37 258
2025 Jun 18 (Wed)		05:27 67S	11:32 265

2025 Jun 19 (Thu)	00:03	91	06:13	74S	12:27	272
2025 Jun 20 (Fri)	00:41	84	07:00	81S	13:24	280
2025 Jun 21 (Sat)	01:22	77	07:50	88S	14:24	286
2025 Jun 22 (Sun)	02:07	71	08:45	88N	15:27	292
2025 Jun 23 (Mon)	02:57	65	09:44	83N	16:34	297
2025 Jun 24 (Tue)	03:54	62	10:47	80N	17:42	299
2025 Jun 25 (Wed)	04:57	60	11:52	79N	18:48	300
2025 Jun 26 (Thu)	06:02	61	12:56	81N	19:47	298
2025 Jun 27 (Fri)	07:07	64	13:55	84N	20:40	294
2025 Jun 28 (Sat)	08:09	68	14:49	89N	21:25	289
2025 Jun 29 (Sun)	09:06	74	15:38	87S	22:05	283
2025 Jun 30 (Mon)	09:59	80	16:22	81S	22:40	277
2025 Jul 01 (Tue)	10:49	86	17:03	75S	23:14	270
2025 Jul 02 (Wed)	11:37	93	17:43	69S	23:46	264
2025 Jul 03 (Thu)	12:24	99	18:23	63S		
2025 Jul 04 (Fri)	13:12	104	19:04	58S	00:19	258
2025 Jul 05 (Sat)	14:01	110	19:47	53S	00:53	253
2025 Jul 06 (Sun)	14:53	114	20:33	49S	01:30	248
2025 Jul 07 (Mon)	15:46	117	21:23	46S	02:11	244
2025 Jul 08 (Tue)	16:41	119	22:15	45S	02:57	242
2025 Jul 09 (Wed)	17:36	120	23:09	45S	03:48	240
2025 Jul 10 (Thu)	18:29	119			04:43	240
2025 Jul 11 (Fri)	19:19	116	00:04	46S	05:40	242
2025 Jul 12 (Sat)	20:05	112	00:58	49S	06:39	246
2025 Jul 13 (Sun)	20:47	106	01:49	53S	07:37	251
2025 Jul 14 (Mon)	21:26	100	02:38	59S	08:33	257
2025 Jul 15 (Tue)	22:04	93	03:25	65S	09:28	263
2025 Jul 16 (Wed)	22:42	86	04:11	72S	10:23	270
2025 Jul 17 (Thu)	23:21	79	04:58	79S	11:18	278
2025 Jul 18 (Fri)			05:46	86S	12:16	285
2025 Jul 19 (Sat)	00:03	72	06:38	90N	13:17	291
2025 Jul 20 (Sun)	00:50	67	07:33	85N	14:21	296
2025 Jul 21 (Mon)	01:43	63	08:33	81N	15:27	299
2025 Jul 22 (Tue)	02:41	60	09:36	79N	16:32	300
2025 Jul 23 (Wed)	03:45	60	10:40	80N	17:33	299
2025 Jul 24 (Thu)	04:50	62	11:41	82N	18:28	296
2025 Jul 25 (Fri)	05:53	66	12:37	86N	19:16	291
2025 Jul 26 (Sat)	06:52	71	13:28	90S	19:58	286
2025 Jul 27 (Sun)	07:47	77	14:14	84S	20:36	279
2025 Jul 28 (Mon)	08:39	84	14:57	78S	21:11	273
2025 Jul 29 (Tue)	09:29	90	15:38	72S	21:44	267
2025 Jul 30 (Wed)	10:17	96	16:19	66S	22:17	261
2025 Jul 31 (Thu)	11:05	102	16:59	60S	22:51	255
2025 Aug 01 (Fri)	11:54	108	17:42	55S	23:27	250
2025 Aug 02 (Sat)	12:44	113	18:26	51S		
2025 Aug 03 (Sun)	13:37	116	19:14	47S	00:06	246
2025 Aug 04 (Mon)	14:31	119	20:05	45S	00:50	242
2025 Aug 05 (Tue)	15:26	120	20:59	44S	01:38	240
2025 Aug 06 (Wed)	16:20	120	21:54	45S	02:32	240
2025 Aug 07 (Thu)	17:11	117	22:48	48S	03:29	241
2025 Aug 08 (Fri)	17:59	114	23:41	52S	04:27	244
2025 Aug 09 (Sat)	18:43	108			05:26	249
2025 Aug 10 (Sun)	19:24	102	00:32	57S	06:24	254
2025 Aug 11 (Mon)	20:03	95	01:21	63S	07:21	261
2025 Aug 12 (Tue)	20:42	88	02:08	70S	08:17	268
2025 Aug 13 (Wed)	21:21	81	02:55	77S	09:13	276
2025 Aug 14 (Thu)	22:02	74	03:44	84S	10:11	283
2025 Aug 15 (Fri)	22:47	68	04:34	90S	11:11	289
2025 Aug 16 (Sat)	23:38	64	05:29	86N	12:14	294
2025 Aug 17 (Sun)			06:27	82N	13:18	298
2025 Aug 18 (Mon)	00:34	61	07:28	80N	14:23	300
2025 Aug 19 (Tue)	01:35	60	08:30	79N	15:24	300
2025 Aug 20 (Wed)	02:38	61	09:30	81N	16:20	297
2025 Aug 21 (Thu)	03:40	64	10:27	85N	17:10	293
2025 Aug 22 (Fri)	04:40	69	11:19	89N	17:54	288
2025 Aug 23 (Sat)	05:37	75	12:07	87S	18:32	282
2025 Aug 24 (Sun)	06:29	81	12:51	80S	19:08	276
2025 Aug 25 (Mon)	07:20	87	13:33	74S	19:42	269
2025 Aug 26 (Tue)	08:09	94	14:14	68S	20:15	263
2025 Aug 27 (Wed)	08:57	100	14:54	62S	20:48	257
2025 Aug 28 (Thu)	09:46	106	15:36	57S	21:24	252
2025 Aug 29 (Fri)	10:36	111	16:20	52S	22:02	247

2025 Aug 30 (Sat)	11:27 115	17:06 48S	22:43 243
2025 Aug 31 (Sun)	12:21 118	17:56 46S	23:29 241
2025 Sep 01 (Mon)	13:15 120	18:48 44S	
2025 Sep 02 (Tue)	14:09 120	19:41 44S	00:20 240
2025 Sep 03 (Wed)	15:01 119	20:36 46S	01:15 240
2025 Sep 04 (Thu)	15:50 116	21:29 49S	02:12 243
2025 Sep 05 (Fri)	16:35 111	22:21 54S	03:11 246
2025 Sep 06 (Sat)	17:18 105	23:11 60S	04:10 252
2025 Sep 07 (Sun)	17:58 98	24:00 67S	05:08 258
2025 Sep 08 (Mon)	18:38 91		06:05 265
2025 Sep 09 (Tue)	19:18 84	00:48 74S	07:03 273
2025 Sep 10 (Wed)	19:59 77	01:37 81S	08:01 280
2025 Sep 11 (Thu)	20:44 70	02:28 88S	09:02 287
2025 Sep 12 (Fri)	21:34 65	03:23 87N	10:06 293
2025 Sep 13 (Sat)	22:29 61	04:21 83N	11:11 297
2025 Sep 14 (Sun)	23:29 60	05:22 80N	12:17 300
2025 Sep 15 (Mon)		06:24 79N	13:19 300
2025 Sep 16 (Tue)	00:31 61	07:25 80N	14:16 298
2025 Sep 17 (Wed)	01:33 63	08:22 83N	15:07 295
2025 Sep 18 (Thu)	02:33 67	09:14 88N	15:52 290
2025 Sep 19 (Fri)	03:29 73	10:02 89S	16:31 284
2025 Sep 20 (Sat)	04:23 79	10:47 83S	17:07 278
2025 Sep 21 (Sun)	05:13 85	11:29 77S	17:41 272
2025 Sep 22 (Mon)	06:02 91	12:10 70S	18:14 265
2025 Sep 23 (Tue)	06:50 98	12:51 64S	18:47 259
2025 Sep 24 (Wed)	07:39 104	13:32 59S	19:22 254
2025 Sep 25 (Thu)	08:28 109	14:15 54S	19:59 249
2025 Sep 26 (Fri)	09:19 113	15:00 50S	20:39 245
2025 Sep 27 (Sat)	10:12 117	15:48 47S	21:23 242
2025 Sep 28 (Sun)	11:05 119	16:39 45S	22:11 240
2025 Sep 29 (Mon)	11:59 120	17:31 44S	23:04 240
2025 Sep 30 (Tue)	12:51 119	18:24 45S	23:59 241
2025 Oct 01 (Wed)	13:40 117	19:17 48S	
2025 Oct 02 (Thu)	14:26 113	20:08 52S	00:56 244
2025 Oct 03 (Fri)	15:09 108	20:58 57S	01:53 249
2025 Oct 04 (Sat)	15:50 102	21:47 63S	02:51 255
2025 Oct 05 (Sun)	16:30 95	22:35 70S	03:48 261
2025 Oct 06 (Mon)	17:10 87	23:25 78S	04:45 269
2025 Oct 07 (Tue)	17:51 80		05:44 276
2025 Oct 08 (Wed)	18:36 73	00:16 85S	06:46 284
2025 Oct 09 (Thu)	19:25 67	01:11 90N	07:50 290
2025 Oct 10 (Fri)	20:20 63	02:09 85N	08:58 296
2025 Oct 11 (Sat)	21:20 60	03:11 81N	10:05 299
2025 Oct 12 (Sun)	22:23 60	04:15 79N	11:11 300
2025 Oct 13 (Mon)	23:27 62	05:18 80N	12:11 299
2025 Oct 14 (Tue)		06:17 82N	13:05 296
2025 Oct 15 (Wed)	00:28 66	07:11 86N	13:51 291
2025 Oct 16 (Thu)	01:25 71	08:01 90S	14:32 286
2025 Oct 17 (Fri)	02:19 77	08:46 85S	15:09 280
2025 Oct 18 (Sat)	03:09 83	09:28 79S	15:43 274
2025 Oct 19 (Sun)	03:58 89	10:09 72S	16:16 268
2025 Oct 20 (Mon)	04:46 96	10:49 66S	16:48 261
2025 Oct 21 (Tue)	05:34 102	11:30 61S	17:22 256
2025 Oct 22 (Wed)	06:23 107	12:12 56S	17:58 251
2025 Oct 23 (Thu)	07:14 112	12:57 51S	18:37 246
2025 Oct 24 (Fri)	08:06 116	13:44 48S	19:20 243
2025 Oct 25 (Sat)	08:59 119	14:33 45S	20:06 241
2025 Oct 26 (Sun)	09:52 120	15:24 44S	20:57 240
2025 Oct 27 (Mon)	10:44 120	16:17 45S	21:50 241
2025 Oct 28 (Tue)	11:33 118	17:08 47S	22:46 243
2025 Oct 29 (Wed)	12:19 115	17:59 50S	23:41 247
2025 Oct 30 (Thu)	13:02 110	18:48 55S	
2025 Oct 31 (Fri)	13:43 105	19:35 60S	00:37 252
2025 Nov 01 (Sat)	14:22 98	20:23 67S	01:32 258
2025 Nov 02 (Sun)	15:00 91	21:10 74S	02:28 265
2025 Nov 03 (Mon)	15:40 84	22:00 81S	03:25 272
2025 Nov 04 (Tue)	16:23 77	22:53 88S	04:24 280
2025 Nov 05 (Wed)	17:10 70	23:50 87N	05:27 287
2025 Nov 06 (Thu)	18:04 65		06:35 293
2025 Nov 07 (Fri)	19:04 61	00:52 83N	07:44 297
2025 Nov 08 (Sat)	20:08 60	01:58 80N	08:54 300
2025 Nov 09 (Sun)	21:15 61	03:04 79N	09:59 299

2025 Nov 10 (Mon)	22:19 65	04:07 81N	10:57 297
2025 Nov 11 (Tue)	23:19 69	05:05 85N	11:48 293
2025 Nov 12 (Wed)		05:57 90N	12:31 288
2025 Nov 13 (Thu)	00:15 75	06:44 86S	13:10 282
2025 Nov 14 (Fri)	01:07 81	07:28 80S	13:45 276
2025 Nov 15 (Sat)	01:56 87	08:09 74S	14:18 269
2025 Nov 16 (Sun)	02:44 94	08:49 68S	14:50 263
2025 Nov 17 (Mon)	03:31 100	09:29 62S	15:23 257
2025 Nov 18 (Tue)	04:20 105	10:11 57S	15:58 252
2025 Nov 19 (Wed)	05:09 110	10:54 53S	16:36 248
2025 Nov 20 (Thu)	06:01 115	11:40 49S	17:18 244
2025 Nov 21 (Fri)	06:54 118	12:29 46S	18:03 241
2025 Nov 22 (Sat)	07:47 119	13:20 45S	18:53 240
2025 Nov 23 (Sun)	08:39 120	14:12 45S	19:46 241
2025 Nov 24 (Mon)	09:29 118	15:04 46S	20:40 243
2025 Nov 25 (Tue)	10:16 116	15:54 49S	21:35 246
2025 Nov 26 (Wed)	10:59 112	16:43 53S	22:29 250
2025 Nov 27 (Thu)	11:39 107	17:29 58S	23:23 256
2025 Nov 28 (Fri)	12:17 101	18:15 64S	
2025 Nov 29 (Sat)	12:55 94	19:00 71S	00:16 262
2025 Nov 30 (Sun)	13:32 87	19:47 78S	01:10 269
2025 Dec 01 (Mon)	14:12 80	20:36 85S	02:06 276
2025 Dec 02 (Tue)	14:56 73	21:30 90N	03:06 284
2025 Dec 03 (Wed)	15:45 67	22:29 85N	04:09 290
2025 Dec 04 (Thu)	16:42 63	23:33 81N	05:17 295
2025 Dec 05 (Fri)	17:45 61		06:28 299
2025 Dec 06 (Sat)	18:53 61	00:41 79N	07:37 300
2025 Dec 07 (Sun)	20:01 63	01:48 80N	08:41 298
2025 Dec 08 (Mon)	21:05 67	02:51 83N	09:37 295
2025 Dec 09 (Tue)	22:05 73	03:47 88N	10:25 290
2025 Dec 10 (Wed)	23:00 79	04:38 88S	11:07 284
2025 Dec 11 (Thu)	23:51 85	05:24 82S	11:44 278
2025 Dec 12 (Fri)		06:07 76S	12:18 271
2025 Dec 13 (Sat)	00:40 92	06:47 70S	12:51 265
2025 Dec 14 (Sun)	01:28 98	07:28 64S	13:24 259
2025 Dec 15 (Mon)	02:16 104	08:09 59S	13:59 254
2025 Dec 16 (Tue)	03:05 109	08:52 54S	14:36 249
2025 Dec 17 (Wed)	03:56 113	09:37 50S	15:16 245
2025 Dec 18 (Thu)	04:49 117	10:25 47S	16:00 242
2025 Dec 19 (Fri)	05:42 119	11:16 45S	16:49 240
2025 Dec 20 (Sat)	06:35 120	12:08 45S	17:41 240
2025 Dec 21 (Sun)	07:26 119	13:00 46S	18:36 242
2025 Dec 22 (Mon)	08:14 117	13:51 48S	19:31 245
2025 Dec 23 (Tue)	08:58 113	14:41 52S	20:25 249
2025 Dec 24 (Wed)	09:39 108	15:27 57S	21:19 254
2025 Dec 25 (Thu)	10:17 103	16:13 63S	22:12 260
2025 Dec 26 (Fri)	10:54 96	16:57 69S	23:04 267
2025 Dec 27 (Sat)	11:30 89	17:42 75S	23:57 274
2025 Dec 28 (Sun)	12:08 83	18:28 82S	
2025 Dec 29 (Mon)	12:48 76	19:18 89S	00:53 281
2025 Dec 30 (Tue)	13:33 70	20:12 87N	01:52 287
2025 Dec 31 (Wed)	14:24 65	21:12 83N	02:56 293