

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
2024	Jan	01 (Mon)	05:43	06:33	114	12:07 50S	17:40	246	18:31
2024	Jan	02 (Tue)	05:43	06:33	114	12:07 51S	17:41	246	18:31
2024	Jan	03 (Wed)	05:43	06:34	114	12:08 51S	17:42	246	18:32
2024	Jan	04 (Thu)	05:44	06:34	114	12:08 51S	17:42	246	18:33
2024	Jan	05 (Fri)	05:44	06:34	114	12:09 51S	17:43	247	18:33
2024	Jan	06 (Sat)	05:44	06:35	113	12:09 51S	17:43	247	18:34
2024	Jan	07 (Sun)	05:45	06:35	113	12:09 51S	17:44	247	18:34
2024	Jan	08 (Mon)	05:45	06:35	113	12:10 51S	17:45	247	18:35
2024	Jan	09 (Tue)	05:45	06:35	113	12:10 51S	17:45	247	18:35
2024	Jan	10 (Wed)	05:46	06:36	113	12:11 51S	17:46	247	18:36
2024	Jan	11 (Thu)	05:46	06:36	113	12:11 52S	17:46	247	18:37
2024	Jan	12 (Fri)	05:46	06:36	113	12:12 52S	17:47	248	18:37
2024	Jan	13 (Sat)	05:46	06:36	112	12:12 52S	17:48	248	18:38
2024	Jan	14 (Sun)	05:46	06:36	112	12:12 52S	17:48	248	18:38
2024	Jan	15 (Mon)	05:47	06:36	112	12:13 52S	17:49	248	18:39
2024	Jan	16 (Tue)	05:47	06:37	112	12:13 52S	17:50	248	18:39
2024	Jan	17 (Wed)	05:47	06:37	112	12:13 53S	17:50	248	18:40
2024	Jan	18 (Thu)	05:47	06:37	111	12:14 53S	17:51	249	18:40
2024	Jan	19 (Fri)	05:47	06:37	111	12:14 53S	17:51	249	18:41
2024	Jan	20 (Sat)	05:47	06:37	111	12:14 53S	17:52	249	18:41
2024	Jan	21 (Sun)	05:47	06:37	111	12:15 53S	17:53	249	18:42
2024	Jan	22 (Mon)	05:47	06:37	111	12:15 54S	17:53	250	18:43
2024	Jan	23 (Tue)	05:47	06:37	110	12:15 54S	17:54	250	18:43
2024	Jan	24 (Wed)	05:47	06:37	110	12:15 54S	17:54	250	18:44
2024	Jan	25 (Thu)	05:47	06:37	110	12:16 54S	17:55	250	18:44
2024	Jan	26 (Fri)	05:47	06:36	110	12:16 55S	17:55	251	18:45
2024	Jan	27 (Sat)	05:47	06:36	109	12:16 55S	17:56	251	18:45
2024	Jan	28 (Sun)	05:47	06:36	109	12:16 55S	17:57	251	18:46
2024	Jan	29 (Mon)	05:47	06:36	109	12:16 55S	17:57	251	18:46
2024	Jan	30 (Tue)	05:47	06:36	108	12:17 56S	17:58	252	18:46
2024	Jan	31 (Wed)	05:47	06:36	108	12:17 56S	17:58	252	18:47
2024	Feb	01 (Thu)	05:47	06:35	108	12:17 56S	17:59	252	18:47
2024	Feb	02 (Fri)	05:47	06:35	108	12:17 57S	17:59	253	18:48
2024	Feb	03 (Sat)	05:46	06:35	107	12:17 57S	18:00	253	18:48
2024	Feb	04 (Sun)	05:46	06:35	107	12:17 57S	18:00	253	18:49
2024	Feb	05 (Mon)	05:46	06:34	107	12:17 57S	18:01	253	18:49
2024	Feb	06 (Tue)	05:46	06:34	106	12:17 58S	18:01	254	18:49
2024	Feb	07 (Wed)	05:45	06:34	106	12:18 58S	18:02	254	18:50
2024	Feb	08 (Thu)	05:45	06:33	106	12:18 58S	18:02	254	18:50
2024	Feb	09 (Fri)	05:45	06:33	105	12:18 59S	18:03	255	18:51
2024	Feb	10 (Sat)	05:45	06:33	105	12:18 59S	18:03	255	18:51
2024	Feb	11 (Sun)	05:44	06:32	105	12:18 59S	18:03	255	18:51
2024	Feb	12 (Mon)	05:44	06:32	104	12:18 60S	18:04	256	18:52
2024	Feb	13 (Tue)	05:43	06:31	104	12:18 60S	18:04	256	18:52
2024	Feb	14 (Wed)	05:43	06:31	104	12:18 60S	18:05	257	18:52
2024	Feb	15 (Thu)	05:43	06:30	103	12:18 61S	18:05	257	18:53
2024	Feb	16 (Fri)	05:42	06:30	103	12:18 61S	18:06	257	18:53
2024	Feb	17 (Sat)	05:42	06:29	103	12:18 61S	18:06	258	18:53
2024	Feb	18 (Sun)	05:41	06:29	102	12:17 62S	18:06	258	18:54
2024	Feb	19 (Mon)	05:41	06:28	102	12:17 62S	18:07	258	18:54
2024	Feb	20 (Tue)	05:40	06:28	101	12:17 62S	18:07	259	18:54
2024	Feb	21 (Wed)	05:40	06:27	101	12:17 63S	18:07	259	18:55
2024	Feb	22 (Thu)	05:39	06:27	101	12:17 63S	18:08	259	18:55
2024	Feb	23 (Fri)	05:39	06:26	100	12:17 63S	18:08	260	18:55
2024	Feb	24 (Sat)	05:38	06:25	100	12:17 64S	18:08	260	18:56
2024	Feb	25 (Sun)	05:38	06:25	100	12:17 64S	18:09	261	18:56
2024	Feb	26 (Mon)	05:37	06:24	99	12:16 65S	18:09	261	18:56
2024	Feb	27 (Tue)	05:37	06:24	99	12:16 65S	18:09	261	18:56
2024	Feb	28 (Wed)	05:36	06:23	98	12:16 65S	18:10	262	18:57
2024	Feb	29 (Thu)	05:35	06:22	98	12:16 66S	18:10	262	18:57

2024	Mar	01	(Fri)	05:35	06:22	98	12:16	66S	18:10	263	18:57
2024	Mar	02	(Sat)	05:34	06:21	97	12:16	66S	18:10	263	18:57
2024	Mar	03	(Sun)	05:33	06:20	97	12:15	67S	18:11	263	18:58
2024	Mar	04	(Mon)	05:33	06:20	96	12:15	67S	18:11	264	18:58
2024	Mar	05	(Tue)	05:32	06:19	96	12:15	68S	18:11	264	18:58
2024	Mar	06	(Wed)	05:31	06:18	96	12:15	68S	18:11	265	18:58
2024	Mar	07	(Thu)	05:31	06:17	95	12:14	68S	18:12	265	18:59
2024	Mar	08	(Fri)	05:30	06:17	95	12:14	69S	18:12	265	18:59
2024	Mar	09	(Sat)	05:29	06:16	94	12:14	69S	18:12	266	18:59
2024	Mar	10	(Sun)	05:28	06:15	94	12:14	70S	18:12	266	18:59
2024	Mar	11	(Mon)	05:28	06:15	94	12:13	70S	18:13	267	18:59
2024	Mar	12	(Tue)	05:27	06:14	93	12:13	70S	18:13	267	19:00
2024	Mar	13	(Wed)	05:26	06:13	93	12:13	71S	18:13	268	19:00
2024	Mar	14	(Thu)	05:26	06:12	92	12:13	71S	18:13	268	19:00
2024	Mar	15	(Fri)	05:25	06:11	92	12:12	72S	18:13	268	19:00
2024	Mar	16	(Sat)	05:24	06:11	91	12:12	72S	18:14	269	19:00
2024	Mar	17	(Sun)	05:23	06:10	91	12:12	72S	18:14	269	19:01
2024	Mar	18	(Mon)	05:22	06:09	91	12:12	73S	18:14	270	19:01
2024	Mar	19	(Tue)	05:22	06:08	90	12:11	73S	18:14	270	19:01
2024	Mar	20	(Wed)	05:21	06:08	90	12:11	74S	18:14	270	19:01
2024	Mar	21	(Thu)	05:20	06:07	89	12:11	74S	18:15	271	19:01
2024	Mar	22	(Fri)	05:19	06:06	89	12:10	74S	18:15	271	19:02
2024	Mar	23	(Sat)	05:18	06:05	89	12:10	75S	18:15	272	19:02
2024	Mar	24	(Sun)	05:18	06:04	88	12:10	75S	18:15	272	19:02
2024	Mar	25	(Mon)	05:17	06:04	88	12:09	75S	18:15	272	19:02
2024	Mar	26	(Tue)	05:16	06:03	87	12:09	76S	18:16	273	19:03
2024	Mar	27	(Wed)	05:15	06:02	87	12:09	76S	18:16	273	19:03
2024	Mar	28	(Thu)	05:14	06:01	87	12:09	77S	18:16	274	19:03
2024	Mar	29	(Fri)	05:14	06:00	86	12:08	77S	18:16	274	19:03
2024	Mar	30	(Sat)	05:13	06:00	86	12:08	77S	18:16	275	19:03
2024	Mar	31	(Sun)	05:12	05:59	85	12:08	78S	18:17	275	19:04
2024	Apr	01	(Mon)	05:11	05:58	85	12:07	78S	18:17	275	19:04
2024	Apr	02	(Tue)	05:10	05:57	84	12:07	79S	18:17	276	19:04
2024	Apr	03	(Wed)	05:09	05:57	84	12:07	79S	18:17	276	19:04
2024	Apr	04	(Thu)	05:09	05:56	84	12:06	79S	18:17	277	19:05
2024	Apr	05	(Fri)	05:08	05:55	83	12:06	80S	18:17	277	19:05
2024	Apr	06	(Sat)	05:07	05:54	83	12:06	80S	18:18	277	19:05
2024	Apr	07	(Sun)	05:06	05:54	82	12:06	81S	18:18	278	19:05
2024	Apr	08	(Mon)	05:05	05:53	82	12:05	81S	18:18	278	19:06
2024	Apr	09	(Tue)	05:05	05:52	82	12:05	81S	18:18	278	19:06
2024	Apr	10	(Wed)	05:04	05:51	81	12:05	82S	18:18	279	19:06
2024	Apr	11	(Thu)	05:03	05:51	81	12:05	82S	18:19	279	19:06
2024	Apr	12	(Fri)	05:02	05:50	81	12:04	82S	18:19	280	19:07
2024	Apr	13	(Sat)	05:01	05:49	80	12:04	83S	18:19	280	19:07
2024	Apr	14	(Sun)	05:01	05:48	80	12:04	83S	18:19	280	19:07
2024	Apr	15	(Mon)	05:00	05:48	79	12:04	83S	18:20	281	19:07
2024	Apr	16	(Tue)	04:59	05:47	79	12:03	84S	18:20	281	19:08
2024	Apr	17	(Wed)	04:58	05:46	79	12:03	84S	18:20	282	19:08
2024	Apr	18	(Thu)	04:58	05:46	78	12:03	84S	18:20	282	19:08
2024	Apr	19	(Fri)	04:57	05:45	78	12:03	85S	18:20	282	19:09
2024	Apr	20	(Sat)	04:56	05:44	78	12:02	85S	18:21	283	19:09
2024	Apr	21	(Sun)	04:55	05:44	77	12:02	86S	18:21	283	19:09
2024	Apr	22	(Mon)	04:55	05:43	77	12:02	86S	18:21	283	19:10
2024	Apr	23	(Tue)	04:54	05:42	77	12:02	86S	18:21	284	19:10
2024	Apr	24	(Wed)	04:53	05:42	76	12:02	87S	18:22	284	19:10
2024	Apr	25	(Thu)	04:52	05:41	76	12:01	87S	18:22	284	19:11
2024	Apr	26	(Fri)	04:52	05:41	75	12:01	87S	18:22	285	19:11
2024	Apr	27	(Sat)	04:51	05:40	75	12:01	87S	18:22	285	19:11
2024	Apr	28	(Sun)	04:50	05:39	75	12:01	88S	18:23	285	19:12
2024	Apr	29	(Mon)	04:50	05:39	75	12:01	88S	18:23	286	19:12
2024	Apr	30	(Tue)	04:49	05:38	74	12:01	88S	18:23	286	19:13
2024	May	01	(Wed)	04:49	05:38	74	12:01	89S	18:24	286	19:13
2024	May	02	(Thu)	04:48	05:37	74	12:00	89S	18:24	287	19:13
2024	May	03	(Fri)	04:47	05:37	73	12:00	89S	18:24	287	19:14
2024	May	04	(Sat)	04:47	05:36	73	12:00	90S	18:25	287	19:14
2024	May	05	(Sun)	04:46	05:36	73	12:00	90S	18:25	288	19:14
2024	May	06	(Mon)	04:46	05:35	72	12:00	90S	18:25	288	19:15
2024	May	07	(Tue)	04:45	05:35	72	12:00	90S	18:25	288	19:15
2024	May	08	(Wed)	04:45	05:34	72	12:00	91N	18:26	288	19:16
2024	May	09	(Thu)	04:44	05:34	71	12:00	90N	18:26	289	19:16
2024	May	10	(Fri)	04:44	05:34	71	12:00	90N	18:26	289	19:17
2024	May	11	(Sat)	04:43	05:33	71	12:00	90N	18:27	289	19:17

2024	May	12	(Sun)	04:43	05:33	71	12:00	90N	18:27	289	19:17
2024	May	13	(Mon)	04:42	05:32	70	12:00	89N	18:27	290	19:18
2024	May	14	(Tue)	04:42	05:32	70	12:00	89N	18:28	290	19:18
2024	May	15	(Wed)	04:41	05:32	70	12:00	89N	18:28	290	19:19
2024	May	16	(Thu)	04:41	05:31	70	12:00	89N	18:28	290	19:19
2024	May	17	(Fri)	04:41	05:31	69	12:00	88N	18:29	291	19:20
2024	May	18	(Sat)	04:40	05:31	69	12:00	88N	18:29	291	19:20
2024	May	19	(Sun)	04:40	05:31	69	12:00	88N	18:30	291	19:20
2024	May	20	(Mon)	04:39	05:30	69	12:00	88N	18:30	291	19:21
2024	May	21	(Tue)	04:39	05:30	68	12:00	88N	18:30	292	19:21
2024	May	22	(Wed)	04:39	05:30	68	12:00	87N	18:31	292	19:22
2024	May	23	(Thu)	04:39	05:30	68	12:00	87N	18:31	292	19:22
2024	May	24	(Fri)	04:38	05:30	68	12:00	87N	18:31	292	19:23
2024	May	25	(Sat)	04:38	05:29	68	12:00	87N	18:32	292	19:23
2024	May	26	(Sun)	04:38	05:29	68	12:01	87N	18:32	293	19:24
2024	May	27	(Mon)	04:38	05:29	67	12:01	87N	18:32	293	19:24
2024	May	28	(Tue)	04:37	05:29	67	12:01	86N	18:33	293	19:24
2024	May	29	(Wed)	04:37	05:29	67	12:01	86N	18:33	293	19:25
2024	May	30	(Thu)	04:37	05:29	67	12:01	86N	18:34	293	19:25
2024	May	31	(Fri)	04:37	05:29	67	12:01	86N	18:34	293	19:26
2024	Jun	01	(Sat)	04:37	05:29	67	12:01	86N	18:34	294	19:26
2024	Jun	02	(Sun)	04:37	05:29	66	12:02	86N	18:35	294	19:27
2024	Jun	03	(Mon)	04:37	05:29	66	12:02	86N	18:35	294	19:27
2024	Jun	04	(Tue)	04:37	05:29	66	12:02	85N	18:35	294	19:27
2024	Jun	05	(Wed)	04:37	05:29	66	12:02	85N	18:36	294	19:28
2024	Jun	06	(Thu)	04:36	05:29	66	12:02	85N	18:36	294	19:28
2024	Jun	07	(Fri)	04:36	05:29	66	12:02	85N	18:36	294	19:29
2024	Jun	08	(Sat)	04:36	05:29	66	12:03	85N	18:37	294	19:29
2024	Jun	09	(Sun)	04:37	05:29	66	12:03	85N	18:37	294	19:29
2024	Jun	10	(Mon)	04:37	05:29	66	12:03	85N	18:37	295	19:30
2024	Jun	11	(Tue)	04:37	05:29	65	12:03	85N	18:38	295	19:30
2024	Jun	12	(Wed)	04:37	05:29	65	12:03	85N	18:38	295	19:30
2024	Jun	13	(Thu)	04:37	05:29	65	12:04	85N	18:38	295	19:31
2024	Jun	14	(Fri)	04:37	05:29	65	12:04	85N	18:38	295	19:31
2024	Jun	15	(Sat)	04:37	05:30	65	12:04	85N	18:39	295	19:31
2024	Jun	16	(Sun)	04:37	05:30	65	12:04	85N	18:39	295	19:31
2024	Jun	17	(Mon)	04:37	05:30	65	12:05	85N	18:39	295	19:32
2024	Jun	18	(Tue)	04:37	05:30	65	12:05	85N	18:39	295	19:32
2024	Jun	19	(Wed)	04:38	05:30	65	12:05	84N	18:40	295	19:32
2024	Jun	20	(Thu)	04:38	05:30	65	12:05	84N	18:40	295	19:32
2024	Jun	21	(Fri)	04:38	05:31	65	12:05	84N	18:40	295	19:33
2024	Jun	22	(Sat)	04:38	05:31	65	12:06	84N	18:40	295	19:33
2024	Jun	23	(Sun)	04:39	05:31	65	12:06	85N	18:41	295	19:33
2024	Jun	24	(Mon)	04:39	05:31	65	12:06	85N	18:41	295	19:33
2024	Jun	25	(Tue)	04:39	05:32	65	12:06	85N	18:41	295	19:33
2024	Jun	26	(Wed)	04:39	05:32	65	12:06	85N	18:41	295	19:34
2024	Jun	27	(Thu)	04:40	05:32	65	12:07	85N	18:41	295	19:34
2024	Jun	28	(Fri)	04:40	05:32	65	12:07	85N	18:41	295	19:34
2024	Jun	29	(Sat)	04:40	05:33	65	12:07	85N	18:41	295	19:34
2024	Jun	30	(Sun)	04:41	05:33	65	12:07	85N	18:42	295	19:34
2024	Jul	01	(Mon)	04:41	05:33	65	12:07	85N	18:42	294	19:34
2024	Jul	02	(Tue)	04:41	05:34	66	12:08	85N	18:42	294	19:34
2024	Jul	03	(Wed)	04:42	05:34	66	12:08	85N	18:42	294	19:34
2024	Jul	04	(Thu)	04:42	05:34	66	12:08	85N	18:42	294	19:34
2024	Jul	05	(Fri)	04:42	05:34	66	12:08	85N	18:42	294	19:34
2024	Jul	06	(Sat)	04:43	05:35	66	12:08	85N	18:42	294	19:34
2024	Jul	07	(Sun)	04:43	05:35	66	12:09	85N	18:42	294	19:34
2024	Jul	08	(Mon)	04:43	05:35	66	12:09	86N	18:42	294	19:34
2024	Jul	09	(Tue)	04:44	05:36	66	12:09	86N	18:42	294	19:34
2024	Jul	10	(Wed)	04:44	05:36	66	12:09	86N	18:42	294	19:34
2024	Jul	11	(Thu)	04:45	05:36	67	12:09	86N	18:42	293	19:34
2024	Jul	12	(Fri)	04:45	05:37	67	12:09	86N	18:42	293	19:33
2024	Jul	13	(Sat)	04:45	05:37	67	12:09	86N	18:41	293	19:33
2024	Jul	14	(Sun)	04:46	05:37	67	12:09	86N	18:41	293	19:33
2024	Jul	15	(Mon)	04:46	05:38	67	12:10	86N	18:41	293	19:33
2024	Jul	16	(Tue)	04:47	05:38	67	12:10	87N	18:41	293	19:33
2024	Jul	17	(Wed)	04:47	05:38	68	12:10	87N	18:41	292	19:32
2024	Jul	18	(Thu)	04:47	05:39	68	12:10	87N	18:41	292	19:32
2024	Jul	19	(Fri)	04:48	05:39	68	12:10	87N	18:41	292	19:32
2024	Jul	20	(Sat)	04:48	05:39	68	12:10	87N	18:40	292	19:31
2024	Jul	21	(Sun)	04:49	05:40	68	12:10	88N	18:40	292	19:31
2024	Jul	22	(Mon)	04:49	05:40	69	12:10	88N	18:40	291	19:31

2024	Jul	23	(Tue)	04:49	05:40	69	12:10	88N	18:40	291	19:30
2024	Jul	24	(Wed)	04:50	05:41	69	12:10	88N	18:39	291	19:30
2024	Jul	25	(Thu)	04:50	05:41	69	12:10	88N	18:39	291	19:30
2024	Jul	26	(Fri)	04:51	05:41	69	12:10	89N	18:39	290	19:29
2024	Jul	27	(Sat)	04:51	05:42	70	12:10	89N	18:38	290	19:29
2024	Jul	28	(Sun)	04:51	05:42	70	12:10	89N	18:38	290	19:28
2024	Jul	29	(Mon)	04:52	05:42	70	12:10	89N	18:38	290	19:28
2024	Jul	30	(Tue)	04:52	05:43	70	12:10	90N	18:37	289	19:27
2024	Jul	31	(Wed)	04:53	05:43	71	12:10	90N	18:37	289	19:27
2024	Aug	01	(Thu)	04:53	05:43	71	12:10	90N	18:36	289	19:26
2024	Aug	02	(Fri)	04:53	05:43	71	12:10	90N	18:36	289	19:26
2024	Aug	03	(Sat)	04:54	05:44	71	12:10	91N	18:35	288	19:25
2024	Aug	04	(Sun)	04:54	05:44	72	12:10	91S	18:35	288	19:25
2024	Aug	05	(Mon)	04:54	05:44	72	12:10	90S	18:35	288	19:24
2024	Aug	06	(Tue)	04:55	05:45	72	12:09	90S	18:34	288	19:24
2024	Aug	07	(Wed)	04:55	05:45	73	12:09	90S	18:34	287	19:23
2024	Aug	08	(Thu)	04:56	05:45	73	12:09	89S	18:33	287	19:22
2024	Aug	09	(Fri)	04:56	05:45	73	12:09	89S	18:32	287	19:22
2024	Aug	10	(Sat)	04:56	05:46	73	12:09	89S	18:32	286	19:21
2024	Aug	11	(Sun)	04:57	05:46	74	12:09	89S	18:31	286	19:21
2024	Aug	12	(Mon)	04:57	05:46	74	12:09	88S	18:31	286	19:20
2024	Aug	13	(Tue)	04:57	05:46	74	12:08	88S	18:30	285	19:19
2024	Aug	14	(Wed)	04:58	05:47	75	12:08	88S	18:30	285	19:18
2024	Aug	15	(Thu)	04:58	05:47	75	12:08	87S	18:29	285	19:18
2024	Aug	16	(Fri)	04:58	05:47	75	12:08	87S	18:28	284	19:17
2024	Aug	17	(Sat)	04:58	05:47	76	12:08	87S	18:28	284	19:16
2024	Aug	18	(Sun)	04:59	05:47	76	12:07	86S	18:27	284	19:16
2024	Aug	19	(Mon)	04:59	05:48	76	12:07	86S	18:26	283	19:15
2024	Aug	20	(Tue)	04:59	05:48	77	12:07	86S	18:26	283	19:14
2024	Aug	21	(Wed)	05:00	05:48	77	12:07	85S	18:25	283	19:13
2024	Aug	22	(Thu)	05:00	05:48	77	12:06	85S	18:24	282	19:13
2024	Aug	23	(Fri)	05:00	05:48	78	12:06	85S	18:24	282	19:12
2024	Aug	24	(Sat)	05:00	05:49	78	12:06	84S	18:23	282	19:11
2024	Aug	25	(Sun)	05:01	05:49	79	12:06	84S	18:22	281	19:10
2024	Aug	26	(Mon)	05:01	05:49	79	12:05	84S	18:21	281	19:09
2024	Aug	27	(Tue)	05:01	05:49	79	12:05	83S	18:21	281	19:09
2024	Aug	28	(Wed)	05:01	05:49	80	12:05	83S	18:20	280	19:08
2024	Aug	29	(Thu)	05:02	05:49	80	12:04	83S	18:19	280	19:07
2024	Aug	30	(Fri)	05:02	05:50	80	12:04	82S	18:18	279	19:06
2024	Aug	31	(Sat)	05:02	05:50	81	12:04	82S	18:18	279	19:05
2024	Sep	01	(Sun)	05:02	05:50	81	12:03	82S	18:17	279	19:04
2024	Sep	02	(Mon)	05:02	05:50	82	12:03	81S	18:16	278	19:04
2024	Sep	03	(Tue)	05:03	05:50	82	12:03	81S	18:15	278	19:03
2024	Sep	04	(Wed)	05:03	05:50	82	12:02	80S	18:14	277	19:02
2024	Sep	05	(Thu)	05:03	05:50	83	12:02	80S	18:14	277	19:01
2024	Sep	06	(Fri)	05:03	05:51	83	12:02	80S	18:13	277	19:00
2024	Sep	07	(Sat)	05:03	05:51	83	12:01	79S	18:12	276	18:59
2024	Sep	08	(Sun)	05:04	05:51	84	12:01	79S	18:11	276	18:58
2024	Sep	09	(Mon)	05:04	05:51	84	12:01	79S	18:10	276	18:58
2024	Sep	10	(Tue)	05:04	05:51	85	12:00	78S	18:10	275	18:57
2024	Sep	11	(Wed)	05:04	05:51	85	12:00	78S	18:09	275	18:56
2024	Sep	12	(Thu)	05:04	05:51	85	12:00	77S	18:08	274	18:55
2024	Sep	13	(Fri)	05:04	05:51	86	11:59	77S	18:07	274	18:54
2024	Sep	14	(Sat)	05:04	05:52	86	11:59	77S	18:06	274	18:53
2024	Sep	15	(Sun)	05:05	05:52	87	11:59	76S	18:05	273	18:52
2024	Sep	16	(Mon)	05:05	05:52	87	11:58	76S	18:05	273	18:51
2024	Sep	17	(Tue)	05:05	05:52	87	11:58	76S	18:04	272	18:51
2024	Sep	18	(Wed)	05:05	05:52	88	11:58	75S	18:03	272	18:50
2024	Sep	19	(Thu)	05:05	05:52	88	11:57	75S	18:02	272	18:49
2024	Sep	20	(Fri)	05:05	05:52	89	11:57	74S	18:01	271	18:48
2024	Sep	21	(Sat)	05:06	05:52	89	11:57	74S	18:00	271	18:47
2024	Sep	22	(Sun)	05:06	05:52	90	11:56	74S	18:00	270	18:46
2024	Sep	23	(Mon)	05:06	05:53	90	11:56	73S	17:59	270	18:46
2024	Sep	24	(Tue)	05:06	05:53	90	11:55	73S	17:58	269	18:45
2024	Sep	25	(Wed)	05:06	05:53	91	11:55	72S	17:57	269	18:44
2024	Sep	26	(Thu)	05:06	05:53	91	11:55	72S	17:56	269	18:43
2024	Sep	27	(Fri)	05:06	05:53	92	11:54	72S	17:55	268	18:42
2024	Sep	28	(Sat)	05:07	05:53	92	11:54	71S	17:55	268	18:41
2024	Sep	29	(Sun)	05:07	05:53	92	11:54	71S	17:54	267	18:41
2024	Sep	30	(Mon)	05:07	05:54	93	11:53	71S	17:53	267	18:40
2024	Oct	01	(Tue)	05:07	05:54	93	11:53	70S	17:52	267	18:39
2024	Oct	02	(Wed)	05:07	05:54	94	11:53	70S	17:51	266	18:38

2024	Oct	03	(Thu)	05:07	05:54	94	11:52	69S	17:51	266	18:37
2024	Oct	04	(Fri)	05:07	05:54	94	11:52	69S	17:50	265	18:37
2024	Oct	05	(Sat)	05:08	05:54	95	11:52	69S	17:49	265	18:36
2024	Oct	06	(Sun)	05:08	05:55	95	11:52	68S	17:48	265	18:35
2024	Oct	07	(Mon)	05:08	05:55	96	11:51	68S	17:48	264	18:34
2024	Oct	08	(Tue)	05:08	05:55	96	11:51	67S	17:47	264	18:34
2024	Oct	09	(Wed)	05:08	05:55	96	11:51	67S	17:46	263	18:33
2024	Oct	10	(Thu)	05:08	05:55	97	11:50	67S	17:45	263	18:32
2024	Oct	11	(Fri)	05:09	05:56	97	11:50	66S	17:45	263	18:32
2024	Oct	12	(Sat)	05:09	05:56	98	11:50	66S	17:44	262	18:31
2024	Oct	13	(Sun)	05:09	05:56	98	11:50	66S	17:43	262	18:30
2024	Oct	14	(Mon)	05:09	05:56	98	11:49	65S	17:42	261	18:30
2024	Oct	15	(Tue)	05:09	05:57	99	11:49	65S	17:42	261	18:29
2024	Oct	16	(Wed)	05:10	05:57	99	11:49	64S	17:41	261	18:28
2024	Oct	17	(Thu)	05:10	05:57	100	11:49	64S	17:40	260	18:28
2024	Oct	18	(Fri)	05:10	05:57	100	11:49	64S	17:40	260	18:27
2024	Oct	19	(Sat)	05:10	05:58	100	11:48	63S	17:39	260	18:26
2024	Oct	20	(Sun)	05:10	05:58	101	11:48	63S	17:38	259	18:26
2024	Oct	21	(Mon)	05:11	05:58	101	11:48	63S	17:38	259	18:25
2024	Oct	22	(Tue)	05:11	05:58	101	11:48	62S	17:37	258	18:25
2024	Oct	23	(Wed)	05:11	05:59	102	11:48	62S	17:37	258	18:24
2024	Oct	24	(Thu)	05:11	05:59	102	11:48	62S	17:36	258	18:24
2024	Oct	25	(Fri)	05:12	05:59	102	11:48	61S	17:36	257	18:23
2024	Oct	26	(Sat)	05:12	06:00	103	11:47	61S	17:35	257	18:23
2024	Oct	27	(Sun)	05:12	06:00	103	11:47	61S	17:34	257	18:22
2024	Oct	28	(Mon)	05:13	06:00	104	11:47	60S	17:34	256	18:22
2024	Oct	29	(Tue)	05:13	06:01	104	11:47	60S	17:33	256	18:21
2024	Oct	30	(Wed)	05:13	06:01	104	11:47	60S	17:33	256	18:21
2024	Oct	31	(Thu)	05:13	06:01	105	11:47	59S	17:33	255	18:21
2024	Nov	01	(Fri)	05:14	06:02	105	11:47	59S	17:32	255	18:20
2024	Nov	02	(Sat)	05:14	06:02	105	11:47	59S	17:32	255	18:20
2024	Nov	03	(Sun)	05:14	06:03	106	11:47	58S	17:31	254	18:19
2024	Nov	04	(Mon)	05:15	06:03	106	11:47	58S	17:31	254	18:19
2024	Nov	05	(Tue)	05:15	06:04	106	11:47	58S	17:31	254	18:19
2024	Nov	06	(Wed)	05:16	06:04	107	11:47	57S	17:30	253	18:19
2024	Nov	07	(Thu)	05:16	06:04	107	11:47	57S	17:30	253	18:18
2024	Nov	08	(Fri)	05:16	06:05	107	11:47	57S	17:29	253	18:18
2024	Nov	09	(Sat)	05:17	06:05	107	11:47	56S	17:29	252	18:18
2024	Nov	10	(Sun)	05:17	06:06	108	11:47	56S	17:29	252	18:18
2024	Nov	11	(Mon)	05:18	06:06	108	11:48	56S	17:29	252	18:17
2024	Nov	12	(Tue)	05:18	06:07	108	11:48	56S	17:28	252	18:17
2024	Nov	13	(Wed)	05:18	06:07	109	11:48	55S	17:28	251	18:17
2024	Nov	14	(Thu)	05:19	06:08	109	11:48	55S	17:28	251	18:17
2024	Nov	15	(Fri)	05:19	06:08	109	11:48	55S	17:28	251	18:17
2024	Nov	16	(Sat)	05:20	06:09	109	11:48	55S	17:28	250	18:17
2024	Nov	17	(Sun)	05:20	06:09	110	11:48	54S	17:28	250	18:17
2024	Nov	18	(Mon)	05:21	06:10	110	11:49	54S	17:27	250	18:17
2024	Nov	19	(Tue)	05:21	06:10	110	11:49	54S	17:27	250	18:17
2024	Nov	20	(Wed)	05:22	06:11	110	11:49	54S	17:27	249	18:17
2024	Nov	21	(Thu)	05:22	06:11	111	11:49	53S	17:27	249	18:17
2024	Nov	22	(Fri)	05:22	06:12	111	11:50	53S	17:27	249	18:17
2024	Nov	23	(Sat)	05:23	06:13	111	11:50	53S	17:27	249	18:17
2024	Nov	24	(Sun)	05:23	06:13	111	11:50	53S	17:27	249	18:17
2024	Nov	25	(Mon)	05:24	06:14	112	11:51	53S	17:27	248	18:17
2024	Nov	26	(Tue)	05:25	06:14	112	11:51	52S	17:27	248	18:17
2024	Nov	27	(Wed)	05:25	06:15	112	11:51	52S	17:27	248	18:17
2024	Nov	28	(Thu)	05:26	06:15	112	11:52	52S	17:27	248	18:17
2024	Nov	29	(Fri)	05:26	06:16	112	11:52	52S	17:28	248	18:18
2024	Nov	30	(Sat)	05:27	06:17	112	11:52	52S	17:28	247	18:18
2024	Dec	01	(Sun)	05:27	06:17	113	11:53	52S	17:28	247	18:18
2024	Dec	02	(Mon)	05:28	06:18	113	11:53	51S	17:28	247	18:18
2024	Dec	03	(Tue)	05:28	06:18	113	11:53	51S	17:28	247	18:18
2024	Dec	04	(Wed)	05:29	06:19	113	11:54	51S	17:28	247	18:19
2024	Dec	05	(Thu)	05:29	06:20	113	11:54	51S	17:29	247	18:19
2024	Dec	06	(Fri)	05:30	06:20	113	11:55	51S	17:29	247	18:19
2024	Dec	07	(Sat)	05:30	06:21	113	11:55	51S	17:29	246	18:20
2024	Dec	08	(Sun)	05:31	06:21	114	11:55	51S	17:29	246	18:20
2024	Dec	09	(Mon)	05:32	06:22	114	11:56	51S	17:30	246	18:20
2024	Dec	10	(Tue)	05:32	06:23	114	11:56	51S	17:30	246	18:21
2024	Dec	11	(Wed)	05:33	06:23	114	11:57	50S	17:30	246	18:21
2024	Dec	12	(Thu)	05:33	06:24	114	11:57	50S	17:31	246	18:21
2024	Dec	13	(Fri)	05:34	06:24	114	11:58	50S	17:31	246	18:22

2024	Dec	14	(Sat)	05:34	06:25	114	11:58	50S	17:32	246	18:22
2024	Dec	15	(Sun)	05:35	06:25	114	11:59	50S	17:32	246	18:23
2024	Dec	16	(Mon)	05:35	06:26	114	11:59	50S	17:32	246	18:23
2024	Dec	17	(Tue)	05:36	06:27	114	12:00	50S	17:33	246	18:23
2024	Dec	18	(Wed)	05:36	06:27	114	12:00	50S	17:33	246	18:24
2024	Dec	19	(Thu)	05:37	06:28	114	12:01	50S	17:34	246	18:24
2024	Dec	20	(Fri)	05:37	06:28	114	12:01	50S	17:34	246	18:25
2024	Dec	21	(Sat)	05:38	06:29	114	12:02	50S	17:35	246	18:25
2024	Dec	22	(Sun)	05:38	06:29	114	12:02	50S	17:35	246	18:26
2024	Dec	23	(Mon)	05:39	06:30	114	12:03	50S	17:36	246	18:26
2024	Dec	24	(Tue)	05:39	06:30	114	12:03	50S	17:36	246	18:27
2024	Dec	25	(Wed)	05:40	06:31	114	12:04	50S	17:37	246	18:27
2024	Dec	26	(Thu)	05:40	06:31	114	12:04	50S	17:37	246	18:28
2024	Dec	27	(Fri)	05:41	06:31	114	12:05	50S	17:38	246	18:29
2024	Dec	28	(Sat)	05:41	06:32	114	12:05	50S	17:38	246	18:29
2024	Dec	29	(Sun)	05:42	06:32	114	12:06	50S	17:39	246	18:30
2024	Dec	30	(Mon)	05:42	06:33	114	12:06	50S	17:40	246	18:30
2024	Dec	31	(Tue)	05:42	06:33	114	12:07	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
2024	Jan	01	(Mon)	06:10	06:33	114	12:07	50S	17:40	246	18:04
2024	Jan	02	(Tue)	06:10	06:33	114	12:07	51S	17:41	246	18:04
2024	Jan	03	(Wed)	06:10	06:34	114	12:08	51S	17:42	246	18:05
2024	Jan	04	(Thu)	06:11	06:34	114	12:08	51S	17:42	246	18:06
2024	Jan	05	(Fri)	06:11	06:34	114	12:09	51S	17:43	247	18:06
2024	Jan	06	(Sat)	06:11	06:35	113	12:09	51S	17:43	247	18:07
2024	Jan	07	(Sun)	06:12	06:35	113	12:09	51S	17:44	247	18:07
2024	Jan	08	(Mon)	06:12	06:35	113	12:10	51S	17:45	247	18:08
2024	Jan	09	(Tue)	06:12	06:35	113	12:10	51S	17:45	247	18:09
2024	Jan	10	(Wed)	06:12	06:36	113	12:11	51S	17:46	247	18:09
2024	Jan	11	(Thu)	06:13	06:36	113	12:11	52S	17:46	247	18:10
2024	Jan	12	(Fri)	06:13	06:36	113	12:12	52S	17:47	248	18:10
2024	Jan	13	(Sat)	06:13	06:36	112	12:12	52S	17:48	248	18:11
2024	Jan	14	(Sun)	06:13	06:36	112	12:12	52S	17:48	248	18:12
2024	Jan	15	(Mon)	06:13	06:36	112	12:13	52S	17:49	248	18:12
2024	Jan	16	(Tue)	06:13	06:37	112	12:13	52S	17:50	248	18:13
2024	Jan	17	(Wed)	06:14	06:37	112	12:13	53S	17:50	248	18:13
2024	Jan	18	(Thu)	06:14	06:37	111	12:14	53S	17:51	249	18:14
2024	Jan	19	(Fri)	06:14	06:37	111	12:14	53S	17:51	249	18:14
2024	Jan	20	(Sat)	06:14	06:37	111	12:14	53S	17:52	249	18:15
2024	Jan	21	(Sun)	06:14	06:37	111	12:15	53S	17:53	249	18:16
2024	Jan	22	(Mon)	06:14	06:37	111	12:15	54S	17:53	250	18:16
2024	Jan	23	(Tue)	06:14	06:37	110	12:15	54S	17:54	250	18:17
2024	Jan	24	(Wed)	06:14	06:37	110	12:15	54S	17:54	250	18:17
2024	Jan	25	(Thu)	06:14	06:37	110	12:16	54S	17:55	250	18:18
2024	Jan	26	(Fri)	06:14	06:36	110	12:16	55S	17:55	251	18:18
2024	Jan	27	(Sat)	06:14	06:36	109	12:16	55S	17:56	251	18:19
2024	Jan	28	(Sun)	06:13	06:36	109	12:16	55S	17:57	251	18:19
2024	Jan	29	(Mon)	06:13	06:36	109	12:16	55S	17:57	251	18:20
2024	Jan	30	(Tue)	06:13	06:36	108	12:17	56S	17:58	252	18:20
2024	Jan	31	(Wed)	06:13	06:36	108	12:17	56S	17:58	252	18:21
2024	Feb	01	(Thu)	06:13	06:35	108	12:17	56S	17:59	252	18:21
2024	Feb	02	(Fri)	06:13	06:35	108	12:17	57S	17:59	253	18:22
2024	Feb	03	(Sat)	06:12	06:35	107	12:17	57S	18:00	253	18:22
2024	Feb	04	(Sun)	06:12	06:35	107	12:17	57S	18:00	253	18:23
2024	Feb	05	(Mon)	06:12	06:34	107	12:17	57S	18:01	253	18:23
2024	Feb	06	(Tue)	06:12	06:34	106	12:17	58S	18:01	254	18:24
2024	Feb	07	(Wed)	06:11	06:34	106	12:18	58S	18:02	254	18:24
2024	Feb	08	(Thu)	06:11	06:33	106	12:18	58S	18:02	254	18:24
2024	Feb	09	(Fri)	06:11	06:33	105	12:18	59S	18:03	255	18:25
2024	Feb	10	(Sat)	06:10	06:33	105	12:18	59S	18:03	255	18:25

2024	Feb	11	(Sun)	06:10	06:32	105	12:18	59S	18:03	255	18:26
2024	Feb	12	(Mon)	06:10	06:32	104	12:18	60S	18:04	256	18:26
2024	Feb	13	(Tue)	06:09	06:31	104	12:18	60S	18:04	256	18:27
2024	Feb	14	(Wed)	06:09	06:31	104	12:18	60S	18:05	257	18:27
2024	Feb	15	(Thu)	06:08	06:30	103	12:18	61S	18:05	257	18:27
2024	Feb	16	(Fri)	06:08	06:30	103	12:18	61S	18:06	257	18:28
2024	Feb	17	(Sat)	06:07	06:29	103	12:18	61S	18:06	258	18:28
2024	Feb	18	(Sun)	06:07	06:29	102	12:17	62S	18:06	258	18:28
2024	Feb	19	(Mon)	06:06	06:28	102	12:17	62S	18:07	258	18:29
2024	Feb	20	(Tue)	06:06	06:28	101	12:17	62S	18:07	259	18:29
2024	Feb	21	(Wed)	06:05	06:27	101	12:17	63S	18:07	259	18:29
2024	Feb	22	(Thu)	06:05	06:27	101	12:17	63S	18:08	259	18:30
2024	Feb	23	(Fri)	06:04	06:26	100	12:17	63S	18:08	260	18:30
2024	Feb	24	(Sat)	06:04	06:25	100	12:17	64S	18:08	260	18:30
2024	Feb	25	(Sun)	06:03	06:25	100	12:17	64S	18:09	261	18:31
2024	Feb	26	(Mon)	06:02	06:24	99	12:16	65S	18:09	261	18:31
2024	Feb	27	(Tue)	06:02	06:24	99	12:16	65S	18:09	261	18:31
2024	Feb	28	(Wed)	06:01	06:23	98	12:16	65S	18:10	262	18:31
2024	Feb	29	(Thu)	06:01	06:22	98	12:16	66S	18:10	262	18:32
2024	Mar	01	(Fri)	06:00	06:22	98	12:16	66S	18:10	263	18:32
2024	Mar	02	(Sat)	05:59	06:21	97	12:16	66S	18:10	263	18:32
2024	Mar	03	(Sun)	05:59	06:20	97	12:15	67S	18:11	263	18:32
2024	Mar	04	(Mon)	05:58	06:20	96	12:15	67S	18:11	264	18:33
2024	Mar	05	(Tue)	05:57	06:19	96	12:15	68S	18:11	264	18:33
2024	Mar	06	(Wed)	05:56	06:18	96	12:15	68S	18:11	265	18:33
2024	Mar	07	(Thu)	05:56	06:17	95	12:14	68S	18:12	265	18:33
2024	Mar	08	(Fri)	05:55	06:17	95	12:14	69S	18:12	265	18:34
2024	Mar	09	(Sat)	05:54	06:16	94	12:14	69S	18:12	266	18:34
2024	Mar	10	(Sun)	05:54	06:15	94	12:14	70S	18:12	266	18:34
2024	Mar	11	(Mon)	05:53	06:15	94	12:13	70S	18:13	267	18:34
2024	Mar	12	(Tue)	05:52	06:14	93	12:13	70S	18:13	267	18:35
2024	Mar	13	(Wed)	05:51	06:13	93	12:13	71S	18:13	268	18:35
2024	Mar	14	(Thu)	05:51	06:12	92	12:13	71S	18:13	268	18:35
2024	Mar	15	(Fri)	05:50	06:11	92	12:12	72S	18:13	268	18:35
2024	Mar	16	(Sat)	05:49	06:11	91	12:12	72S	18:14	269	18:35
2024	Mar	17	(Sun)	05:48	06:10	91	12:12	72S	18:14	269	18:36
2024	Mar	18	(Mon)	05:48	06:09	91	12:12	73S	18:14	270	18:36
2024	Mar	19	(Tue)	05:47	06:08	90	12:11	73S	18:14	270	18:36
2024	Mar	20	(Wed)	05:46	06:08	90	12:11	74S	18:14	270	18:36
2024	Mar	21	(Thu)	05:45	06:07	89	12:11	74S	18:15	271	18:36
2024	Mar	22	(Fri)	05:44	06:06	89	12:10	74S	18:15	271	18:37
2024	Mar	23	(Sat)	05:44	06:05	89	12:10	75S	18:15	272	18:37
2024	Mar	24	(Sun)	05:43	06:04	88	12:10	75S	18:15	272	18:37
2024	Mar	25	(Mon)	05:42	06:04	88	12:09	75S	18:15	272	18:37
2024	Mar	26	(Tue)	05:41	06:03	87	12:09	76S	18:16	273	18:37
2024	Mar	27	(Wed)	05:40	06:02	87	12:09	76S	18:16	273	18:37
2024	Mar	28	(Thu)	05:40	06:01	87	12:09	77S	18:16	274	18:38
2024	Mar	29	(Fri)	05:39	06:00	86	12:08	77S	18:16	274	18:38
2024	Mar	30	(Sat)	05:38	06:00	86	12:08	77S	18:16	275	18:38
2024	Mar	31	(Sun)	05:37	05:59	85	12:08	78S	18:17	275	18:38
2024	Apr	01	(Mon)	05:36	05:58	85	12:07	78S	18:17	275	18:38
2024	Apr	02	(Tue)	05:36	05:57	84	12:07	79S	18:17	276	18:39
2024	Apr	03	(Wed)	05:35	05:57	84	12:07	79S	18:17	276	18:39
2024	Apr	04	(Thu)	05:34	05:56	84	12:06	79S	18:17	277	18:39
2024	Apr	05	(Fri)	05:33	05:55	83	12:06	80S	18:17	277	18:39
2024	Apr	06	(Sat)	05:32	05:54	83	12:06	80S	18:18	277	18:40
2024	Apr	07	(Sun)	05:32	05:54	82	12:06	81S	18:18	278	18:40
2024	Apr	08	(Mon)	05:31	05:53	82	12:05	81S	18:18	278	18:40
2024	Apr	09	(Tue)	05:30	05:52	82	12:05	81S	18:18	278	18:40
2024	Apr	10	(Wed)	05:29	05:51	81	12:05	82S	18:18	279	18:40
2024	Apr	11	(Thu)	05:29	05:51	81	12:05	82S	18:19	279	18:41
2024	Apr	12	(Fri)	05:28	05:50	81	12:04	82S	18:19	280	18:41
2024	Apr	13	(Sat)	05:27	05:49	80	12:04	83S	18:19	280	18:41
2024	Apr	14	(Sun)	05:26	05:48	80	12:04	83S	18:19	280	18:41
2024	Apr	15	(Mon)	05:26	05:48	79	12:04	83S	18:20	281	18:42
2024	Apr	16	(Tue)	05:25	05:47	79	12:03	84S	18:20	281	18:42
2024	Apr	17	(Wed)	05:24	05:46	79	12:03	84S	18:20	282	18:42
2024	Apr	18	(Thu)	05:23	05:46	78	12:03	84S	18:20	282	18:42
2024	Apr	19	(Fri)	05:23	05:45	78	12:03	85S	18:20	282	18:43
2024	Apr	20	(Sat)	05:22	05:44	78	12:02	85S	18:21	283	18:43
2024	Apr	21	(Sun)	05:21	05:44	77	12:02	86S	18:21	283	18:43
2024	Apr	22	(Mon)	05:21	05:43	77	12:02	86S	18:21	283	18:44

2024	Apr	23	(Tue)	05:20	05:42	77	12:02	86S	18:21	284	18:44
2024	Apr	24	(Wed)	05:19	05:42	76	12:02	87S	18:22	284	18:44
2024	Apr	25	(Thu)	05:19	05:41	76	12:01	87S	18:22	284	18:44
2024	Apr	26	(Fri)	05:18	05:41	75	12:01	87S	18:22	285	18:45
2024	Apr	27	(Sat)	05:17	05:40	75	12:01	87S	18:22	285	18:45
2024	Apr	28	(Sun)	05:17	05:39	75	12:01	88S	18:23	285	18:45
2024	Apr	29	(Mon)	05:16	05:39	75	12:01	88S	18:23	286	18:46
2024	Apr	30	(Tue)	05:16	05:38	74	12:01	88S	18:23	286	18:46
2024	May	01	(Wed)	05:15	05:38	74	12:01	89S	18:24	286	18:46
2024	May	02	(Thu)	05:15	05:37	74	12:00	89S	18:24	287	18:47
2024	May	03	(Fri)	05:14	05:37	73	12:00	89S	18:24	287	18:47
2024	May	04	(Sat)	05:13	05:36	73	12:00	90S	18:25	287	18:47
2024	May	05	(Sun)	05:13	05:36	73	12:00	90S	18:25	288	18:48
2024	May	06	(Mon)	05:12	05:35	72	12:00	90S	18:25	288	18:48
2024	May	07	(Tue)	05:12	05:35	72	12:00	90S	18:25	288	18:48
2024	May	08	(Wed)	05:11	05:34	72	12:00	91N	18:26	288	18:49
2024	May	09	(Thu)	05:11	05:34	71	12:00	90N	18:26	289	18:49
2024	May	10	(Fri)	05:11	05:34	71	12:00	90N	18:26	289	18:49
2024	May	11	(Sat)	05:10	05:33	71	12:00	90N	18:27	289	18:50
2024	May	12	(Sun)	05:10	05:33	71	12:00	90N	18:27	289	18:50
2024	May	13	(Mon)	05:09	05:32	70	12:00	89N	18:27	290	18:51
2024	May	14	(Tue)	05:09	05:32	70	12:00	89N	18:28	290	18:51
2024	May	15	(Wed)	05:09	05:32	70	12:00	89N	18:28	290	18:51
2024	May	16	(Thu)	05:08	05:31	70	12:00	89N	18:28	290	18:52
2024	May	17	(Fri)	05:08	05:31	69	12:00	88N	18:29	291	18:52
2024	May	18	(Sat)	05:08	05:31	69	12:00	88N	18:29	291	18:53
2024	May	19	(Sun)	05:07	05:31	69	12:00	88N	18:30	291	18:53
2024	May	20	(Mon)	05:07	05:30	69	12:00	88N	18:30	291	18:53
2024	May	21	(Tue)	05:07	05:30	68	12:00	88N	18:30	292	18:54
2024	May	22	(Wed)	05:06	05:30	68	12:00	87N	18:31	292	18:54
2024	May	23	(Thu)	05:06	05:30	68	12:00	87N	18:31	292	18:55
2024	May	24	(Fri)	05:06	05:30	68	12:00	87N	18:31	292	18:55
2024	May	25	(Sat)	05:06	05:29	68	12:00	87N	18:32	292	18:55
2024	May	26	(Sun)	05:06	05:29	68	12:01	87N	18:32	293	18:56
2024	May	27	(Mon)	05:05	05:29	67	12:01	87N	18:32	293	18:56
2024	May	28	(Tue)	05:05	05:29	67	12:01	86N	18:33	293	18:56
2024	May	29	(Wed)	05:05	05:29	67	12:01	86N	18:33	293	18:57
2024	May	30	(Thu)	05:05	05:29	67	12:01	86N	18:34	293	18:57
2024	May	31	(Fri)	05:05	05:29	67	12:01	86N	18:34	293	18:58
2024	Jun	01	(Sat)	05:05	05:29	67	12:01	86N	18:34	294	18:58
2024	Jun	02	(Sun)	05:05	05:29	66	12:02	86N	18:35	294	18:58
2024	Jun	03	(Mon)	05:05	05:29	66	12:02	86N	18:35	294	18:59
2024	Jun	04	(Tue)	05:05	05:29	66	12:02	85N	18:35	294	18:59
2024	Jun	05	(Wed)	05:05	05:29	66	12:02	85N	18:36	294	18:59
2024	Jun	06	(Thu)	05:05	05:29	66	12:02	85N	18:36	294	19:00
2024	Jun	07	(Fri)	05:05	05:29	66	12:02	85N	18:36	294	19:00
2024	Jun	08	(Sat)	05:05	05:29	66	12:03	85N	18:37	294	19:01
2024	Jun	09	(Sun)	05:05	05:29	66	12:03	85N	18:37	294	19:01
2024	Jun	10	(Mon)	05:05	05:29	66	12:03	85N	18:37	295	19:01
2024	Jun	11	(Tue)	05:05	05:29	65	12:03	85N	18:38	295	19:02
2024	Jun	12	(Wed)	05:05	05:29	65	12:03	85N	18:38	295	19:02
2024	Jun	13	(Thu)	05:05	05:29	65	12:04	85N	18:38	295	19:02
2024	Jun	14	(Fri)	05:05	05:29	65	12:04	85N	18:38	295	19:02
2024	Jun	15	(Sat)	05:05	05:30	65	12:04	85N	18:39	295	19:03
2024	Jun	16	(Sun)	05:06	05:30	65	12:04	85N	18:39	295	19:03
2024	Jun	17	(Mon)	05:06	05:30	65	12:05	85N	18:39	295	19:03
2024	Jun	18	(Tue)	05:06	05:30	65	12:05	85N	18:39	295	19:04
2024	Jun	19	(Wed)	05:06	05:30	65	12:05	84N	18:40	295	19:04
2024	Jun	20	(Thu)	05:06	05:30	65	12:05	84N	18:40	295	19:04
2024	Jun	21	(Fri)	05:07	05:31	65	12:05	84N	18:40	295	19:04
2024	Jun	22	(Sat)	05:07	05:31	65	12:06	84N	18:40	295	19:04
2024	Jun	23	(Sun)	05:07	05:31	65	12:06	85N	18:41	295	19:05
2024	Jun	24	(Mon)	05:07	05:31	65	12:06	85N	18:41	295	19:05
2024	Jun	25	(Tue)	05:08	05:32	65	12:06	85N	18:41	295	19:05
2024	Jun	26	(Wed)	05:08	05:32	65	12:06	85N	18:41	295	19:05
2024	Jun	27	(Thu)	05:08	05:32	65	12:07	85N	18:41	295	19:05
2024	Jun	28	(Fri)	05:08	05:32	65	12:07	85N	18:41	295	19:05
2024	Jun	29	(Sat)	05:09	05:33	65	12:07	85N	18:41	295	19:05
2024	Jun	30	(Sun)	05:09	05:33	65	12:07	85N	18:42	295	19:06
2024	Jul	01	(Mon)	05:09	05:33	65	12:07	85N	18:42	294	19:06
2024	Jul	02	(Tue)	05:10	05:34	66	12:08	85N	18:42	294	19:06
2024	Jul	03	(Wed)	05:10	05:34	66	12:08	85N	18:42	294	19:06

2024	Jul	04	(Thu)	05:10	05:34	66	12:08	85N	18:42	294	19:06
2024	Jul	05	(Fri)	05:11	05:34	66	12:08	85N	18:42	294	19:06
2024	Jul	06	(Sat)	05:11	05:35	66	12:08	85N	18:42	294	19:06
2024	Jul	07	(Sun)	05:11	05:35	66	12:09	85N	18:42	294	19:06
2024	Jul	08	(Mon)	05:12	05:35	66	12:09	86N	18:42	294	19:06
2024	Jul	09	(Tue)	05:12	05:36	66	12:09	86N	18:42	294	19:06
2024	Jul	10	(Wed)	05:12	05:36	66	12:09	86N	18:42	294	19:06
2024	Jul	11	(Thu)	05:13	05:36	67	12:09	86N	18:42	293	19:05
2024	Jul	12	(Fri)	05:13	05:37	67	12:09	86N	18:42	293	19:05
2024	Jul	13	(Sat)	05:13	05:37	67	12:09	86N	18:41	293	19:05
2024	Jul	14	(Sun)	05:14	05:37	67	12:09	86N	18:41	293	19:05
2024	Jul	15	(Mon)	05:14	05:38	67	12:10	86N	18:41	293	19:05
2024	Jul	16	(Tue)	05:14	05:38	67	12:10	87N	18:41	293	19:05
2024	Jul	17	(Wed)	05:15	05:38	68	12:10	87N	18:41	292	19:04
2024	Jul	18	(Thu)	05:15	05:39	68	12:10	87N	18:41	292	19:04
2024	Jul	19	(Fri)	05:16	05:39	68	12:10	87N	18:41	292	19:04
2024	Jul	20	(Sat)	05:16	05:39	68	12:10	87N	18:40	292	19:04
2024	Jul	21	(Sun)	05:16	05:40	68	12:10	88N	18:40	292	19:03
2024	Jul	22	(Mon)	05:17	05:40	69	12:10	88N	18:40	291	19:03
2024	Jul	23	(Tue)	05:17	05:40	69	12:10	88N	18:40	291	19:03
2024	Jul	24	(Wed)	05:17	05:41	69	12:10	88N	18:39	291	19:03
2024	Jul	25	(Thu)	05:18	05:41	69	12:10	88N	18:39	291	19:02
2024	Jul	26	(Fri)	05:18	05:41	69	12:10	89N	18:39	290	19:02
2024	Jul	27	(Sat)	05:18	05:42	70	12:10	89N	18:38	290	19:02
2024	Jul	28	(Sun)	05:19	05:42	70	12:10	89N	18:38	290	19:01
2024	Jul	29	(Mon)	05:19	05:42	70	12:10	89N	18:38	290	19:01
2024	Jul	30	(Tue)	05:19	05:43	70	12:10	90N	18:37	289	19:00
2024	Jul	31	(Wed)	05:20	05:43	71	12:10	90N	18:37	289	19:00
2024	Aug	01	(Thu)	05:20	05:43	71	12:10	90N	18:36	289	18:59
2024	Aug	02	(Fri)	05:20	05:43	71	12:10	90N	18:36	289	18:59
2024	Aug	03	(Sat)	05:21	05:44	71	12:10	91N	18:35	288	18:58
2024	Aug	04	(Sun)	05:21	05:44	72	12:10	91S	18:35	288	18:58
2024	Aug	05	(Mon)	05:21	05:44	72	12:10	90S	18:35	288	18:57
2024	Aug	06	(Tue)	05:22	05:45	72	12:09	90S	18:34	288	18:57
2024	Aug	07	(Wed)	05:22	05:45	73	12:09	90S	18:34	287	18:56
2024	Aug	08	(Thu)	05:22	05:45	73	12:09	89S	18:33	287	18:56
2024	Aug	09	(Fri)	05:23	05:45	73	12:09	89S	18:32	287	18:55
2024	Aug	10	(Sat)	05:23	05:46	73	12:09	89S	18:32	286	18:55
2024	Aug	11	(Sun)	05:23	05:46	74	12:09	89S	18:31	286	18:54
2024	Aug	12	(Mon)	05:23	05:46	74	12:09	88S	18:31	286	18:53
2024	Aug	13	(Tue)	05:24	05:46	74	12:08	88S	18:30	285	18:53
2024	Aug	14	(Wed)	05:24	05:47	75	12:08	88S	18:30	285	18:52
2024	Aug	15	(Thu)	05:24	05:47	75	12:08	87S	18:29	285	18:51
2024	Aug	16	(Fri)	05:25	05:47	75	12:08	87S	18:28	284	18:51
2024	Aug	17	(Sat)	05:25	05:47	76	12:08	87S	18:28	284	18:50
2024	Aug	18	(Sun)	05:25	05:47	76	12:07	86S	18:27	284	18:49
2024	Aug	19	(Mon)	05:25	05:48	76	12:07	86S	18:26	283	18:49
2024	Aug	20	(Tue)	05:25	05:48	77	12:07	86S	18:26	283	18:48
2024	Aug	21	(Wed)	05:26	05:48	77	12:07	85S	18:25	283	18:47
2024	Aug	22	(Thu)	05:26	05:48	77	12:06	85S	18:24	282	18:47
2024	Aug	23	(Fri)	05:26	05:48	78	12:06	85S	18:24	282	18:46
2024	Aug	24	(Sat)	05:26	05:49	78	12:06	84S	18:23	282	18:45
2024	Aug	25	(Sun)	05:27	05:49	79	12:06	84S	18:22	281	18:44
2024	Aug	26	(Mon)	05:27	05:49	79	12:05	84S	18:21	281	18:44
2024	Aug	27	(Tue)	05:27	05:49	79	12:05	83S	18:21	281	18:43
2024	Aug	28	(Wed)	05:27	05:49	80	12:05	83S	18:20	280	18:42
2024	Aug	29	(Thu)	05:27	05:49	80	12:04	83S	18:19	280	18:41
2024	Aug	30	(Fri)	05:27	05:50	80	12:04	82S	18:18	279	18:40
2024	Aug	31	(Sat)	05:28	05:50	81	12:04	82S	18:18	279	18:40
2024	Sep	01	(Sun)	05:28	05:50	81	12:03	82S	18:17	279	18:39
2024	Sep	02	(Mon)	05:28	05:50	82	12:03	81S	18:16	278	18:38
2024	Sep	03	(Tue)	05:28	05:50	82	12:03	81S	18:15	278	18:37
2024	Sep	04	(Wed)	05:28	05:50	82	12:02	80S	18:14	277	18:36
2024	Sep	05	(Thu)	05:28	05:50	83	12:02	80S	18:14	277	18:36
2024	Sep	06	(Fri)	05:29	05:51	83	12:02	80S	18:13	277	18:35
2024	Sep	07	(Sat)	05:29	05:51	83	12:01	79S	18:12	276	18:34
2024	Sep	08	(Sun)	05:29	05:51	84	12:01	79S	18:11	276	18:33
2024	Sep	09	(Mon)	05:29	05:51	84	12:01	79S	18:10	276	18:32
2024	Sep	10	(Tue)	05:29	05:51	85	12:00	78S	18:10	275	18:31
2024	Sep	11	(Wed)	05:29	05:51	85	12:00	78S	18:09	275	18:31
2024	Sep	12	(Thu)	05:30	05:51	85	12:00	77S	18:08	274	18:30
2024	Sep	13	(Fri)	05:30	05:51	86	11:59	77S	18:07	274	18:29

2024	Sep	14	(Sat)	05:30	05:52	86	11:59	77S	18:06	274	18:28
2024	Sep	15	(Sun)	05:30	05:52	87	11:59	76S	18:05	273	18:27
2024	Sep	16	(Mon)	05:30	05:52	87	11:58	76S	18:05	273	18:26
2024	Sep	17	(Tue)	05:30	05:52	87	11:58	76S	18:04	272	18:25
2024	Sep	18	(Wed)	05:30	05:52	88	11:58	75S	18:03	272	18:25
2024	Sep	19	(Thu)	05:30	05:52	88	11:57	75S	18:02	272	18:24
2024	Sep	20	(Fri)	05:31	05:52	89	11:57	74S	18:01	271	18:23
2024	Sep	21	(Sat)	05:31	05:52	89	11:57	74S	18:00	271	18:22
2024	Sep	22	(Sun)	05:31	05:52	90	11:56	74S	18:00	270	18:21
2024	Sep	23	(Mon)	05:31	05:53	90	11:56	73S	17:59	270	18:20
2024	Sep	24	(Tue)	05:31	05:53	90	11:55	73S	17:58	269	18:20
2024	Sep	25	(Wed)	05:31	05:53	91	11:55	72S	17:57	269	18:19
2024	Sep	26	(Thu)	05:31	05:53	91	11:55	72S	17:56	269	18:18
2024	Sep	27	(Fri)	05:32	05:53	92	11:54	72S	17:55	268	18:17
2024	Sep	28	(Sat)	05:32	05:53	92	11:54	71S	17:55	268	18:16
2024	Sep	29	(Sun)	05:32	05:53	92	11:54	71S	17:54	267	18:15
2024	Sep	30	(Mon)	05:32	05:54	93	11:53	71S	17:53	267	18:15
2024	Oct	01	(Tue)	05:32	05:54	93	11:53	70S	17:52	267	18:14
2024	Oct	02	(Wed)	05:32	05:54	94	11:53	70S	17:51	266	18:13
2024	Oct	03	(Thu)	05:32	05:54	94	11:52	69S	17:51	266	18:12
2024	Oct	04	(Fri)	05:33	05:54	94	11:52	69S	17:50	265	18:11
2024	Oct	05	(Sat)	05:33	05:54	95	11:52	69S	17:49	265	18:11
2024	Oct	06	(Sun)	05:33	05:55	95	11:52	68S	17:48	265	18:10
2024	Oct	07	(Mon)	05:33	05:55	96	11:51	68S	17:48	264	18:09
2024	Oct	08	(Tue)	05:33	05:55	96	11:51	67S	17:47	264	18:08
2024	Oct	09	(Wed)	05:33	05:55	96	11:51	67S	17:46	263	18:08
2024	Oct	10	(Thu)	05:34	05:55	97	11:50	67S	17:45	263	18:07
2024	Oct	11	(Fri)	05:34	05:56	97	11:50	66S	17:45	263	18:06
2024	Oct	12	(Sat)	05:34	05:56	98	11:50	66S	17:44	262	18:06
2024	Oct	13	(Sun)	05:34	05:56	98	11:50	66S	17:43	262	18:05
2024	Oct	14	(Mon)	05:34	05:56	98	11:49	65S	17:42	261	18:04
2024	Oct	15	(Tue)	05:35	05:57	99	11:49	65S	17:42	261	18:04
2024	Oct	16	(Wed)	05:35	05:57	99	11:49	64S	17:41	261	18:03
2024	Oct	17	(Thu)	05:35	05:57	100	11:49	64S	17:40	260	18:02
2024	Oct	18	(Fri)	05:35	05:57	100	11:49	64S	17:40	260	18:02
2024	Oct	19	(Sat)	05:36	05:58	100	11:48	63S	17:39	260	18:01
2024	Oct	20	(Sun)	05:36	05:58	101	11:48	63S	17:38	259	18:00
2024	Oct	21	(Mon)	05:36	05:58	101	11:48	63S	17:38	259	18:00
2024	Oct	22	(Tue)	05:36	05:58	101	11:48	62S	17:37	258	17:59
2024	Oct	23	(Wed)	05:37	05:59	102	11:48	62S	17:37	258	17:59
2024	Oct	24	(Thu)	05:37	05:59	102	11:48	62S	17:36	258	17:58
2024	Oct	25	(Fri)	05:37	05:59	102	11:48	61S	17:36	257	17:58
2024	Oct	26	(Sat)	05:38	06:00	103	11:47	61S	17:35	257	17:57
2024	Oct	27	(Sun)	05:38	06:00	103	11:47	61S	17:34	257	17:57
2024	Oct	28	(Mon)	05:38	06:00	104	11:47	60S	17:34	256	17:56
2024	Oct	29	(Tue)	05:39	06:01	104	11:47	60S	17:33	256	17:56
2024	Oct	30	(Wed)	05:39	06:01	104	11:47	60S	17:33	256	17:55
2024	Oct	31	(Thu)	05:39	06:01	105	11:47	59S	17:33	255	17:55
2024	Nov	01	(Fri)	05:40	06:02	105	11:47	59S	17:32	255	17:54
2024	Nov	02	(Sat)	05:40	06:02	105	11:47	59S	17:32	255	17:54
2024	Nov	03	(Sun)	05:40	06:03	106	11:47	58S	17:31	254	17:54
2024	Nov	04	(Mon)	05:41	06:03	106	11:47	58S	17:31	254	17:53
2024	Nov	05	(Tue)	05:41	06:04	106	11:47	58S	17:31	254	17:53
2024	Nov	06	(Wed)	05:41	06:04	107	11:47	57S	17:30	253	17:53
2024	Nov	07	(Thu)	05:42	06:04	107	11:47	57S	17:30	253	17:52
2024	Nov	08	(Fri)	05:42	06:05	107	11:47	57S	17:29	253	17:52
2024	Nov	09	(Sat)	05:43	06:05	107	11:47	56S	17:29	252	17:52
2024	Nov	10	(Sun)	05:43	06:06	108	11:47	56S	17:29	252	17:52
2024	Nov	11	(Mon)	05:44	06:06	108	11:48	56S	17:29	252	17:51
2024	Nov	12	(Tue)	05:44	06:07	108	11:48	56S	17:28	252	17:51
2024	Nov	13	(Wed)	05:45	06:07	109	11:48	55S	17:28	251	17:51
2024	Nov	14	(Thu)	05:45	06:08	109	11:48	55S	17:28	251	17:51
2024	Nov	15	(Fri)	05:45	06:08	109	11:48	55S	17:28	251	17:51
2024	Nov	16	(Sat)	05:46	06:09	109	11:48	55S	17:28	250	17:51
2024	Nov	17	(Sun)	05:46	06:09	110	11:48	54S	17:28	250	17:50
2024	Nov	18	(Mon)	05:47	06:10	110	11:49	54S	17:27	250	17:50
2024	Nov	19	(Tue)	05:47	06:10	110	11:49	54S	17:27	250	17:50
2024	Nov	20	(Wed)	05:48	06:11	110	11:49	54S	17:27	249	17:50
2024	Nov	21	(Thu)	05:48	06:11	111	11:49	53S	17:27	249	17:50
2024	Nov	22	(Fri)	05:49	06:12	111	11:50	53S	17:27	249	17:50
2024	Nov	23	(Sat)	05:50	06:13	111	11:50	53S	17:27	249	17:50
2024	Nov	24	(Sun)	05:50	06:13	111	11:50	53S	17:27	249	17:50

2024	Nov	25	(Mon)	05:51	06:14	112	11:51	53S	17:27	248	17:50
2024	Nov	26	(Tue)	05:51	06:14	112	11:51	52S	17:27	248	17:50
2024	Nov	27	(Wed)	05:52	06:15	112	11:51	52S	17:27	248	17:51
2024	Nov	28	(Thu)	05:52	06:15	112	11:52	52S	17:27	248	17:51
2024	Nov	29	(Fri)	05:53	06:16	112	11:52	52S	17:28	248	17:51
2024	Nov	30	(Sat)	05:53	06:17	112	11:52	52S	17:28	247	17:51
2024	Dec	01	(Sun)	05:54	06:17	113	11:53	52S	17:28	247	17:51
2024	Dec	02	(Mon)	05:55	06:18	113	11:53	51S	17:28	247	17:51
2024	Dec	03	(Tue)	05:55	06:18	113	11:53	51S	17:28	247	17:52
2024	Dec	04	(Wed)	05:56	06:19	113	11:54	51S	17:28	247	17:52
2024	Dec	05	(Thu)	05:56	06:20	113	11:54	51S	17:29	247	17:52
2024	Dec	06	(Fri)	05:57	06:20	113	11:55	51S	17:29	247	17:52
2024	Dec	07	(Sat)	05:57	06:21	113	11:55	51S	17:29	246	17:53
2024	Dec	08	(Sun)	05:58	06:21	114	11:55	51S	17:29	246	17:53
2024	Dec	09	(Mon)	05:59	06:22	114	11:56	51S	17:30	246	17:53
2024	Dec	10	(Tue)	05:59	06:23	114	11:56	51S	17:30	246	17:54
2024	Dec	11	(Wed)	06:00	06:23	114	11:57	50S	17:30	246	17:54
2024	Dec	12	(Thu)	06:00	06:24	114	11:57	50S	17:31	246	17:54
2024	Dec	13	(Fri)	06:01	06:24	114	11:58	50S	17:31	246	17:55
2024	Dec	14	(Sat)	06:01	06:25	114	11:58	50S	17:32	246	17:55
2024	Dec	15	(Sun)	06:02	06:25	114	11:59	50S	17:32	246	17:56
2024	Dec	16	(Mon)	06:02	06:26	114	11:59	50S	17:32	246	17:56
2024	Dec	17	(Tue)	06:03	06:27	114	12:00	50S	17:33	246	17:56
2024	Dec	18	(Wed)	06:03	06:27	114	12:00	50S	17:33	246	17:57
2024	Dec	19	(Thu)	06:04	06:28	114	12:01	50S	17:34	246	17:57
2024	Dec	20	(Fri)	06:05	06:28	114	12:01	50S	17:34	246	17:58
2024	Dec	21	(Sat)	06:05	06:29	114	12:02	50S	17:35	246	17:58
2024	Dec	22	(Sun)	06:06	06:29	114	12:02	50S	17:35	246	17:59
2024	Dec	23	(Mon)	06:06	06:30	114	12:03	50S	17:36	246	17:59
2024	Dec	24	(Tue)	06:06	06:30	114	12:03	50S	17:36	246	18:00
2024	Dec	25	(Wed)	06:07	06:31	114	12:04	50S	17:37	246	18:00
2024	Dec	26	(Thu)	06:07	06:31	114	12:04	50S	17:37	246	18:01
2024	Dec	27	(Fri)	06:08	06:31	114	12:05	50S	17:38	246	18:01
2024	Dec	28	(Sat)	06:08	06:32	114	12:05	50S	17:38	246	18:02
2024	Dec	29	(Sun)	06:09	06:32	114	12:06	50S	17:39	246	18:03
2024	Dec	30	(Mon)	06:09	06:33	114	12:06	50S	17:40	246	18:03
2024	Dec	31	(Tue)	06:09	06:33	114	12:07	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 °
2024	Jan	01 (Mon)	22:13	80	03:54	87S	10:20	282
2024	Jan	02 (Tue)	23:00	86	04:35	81S	10:52	277
2024	Jan	03 (Wed)	23:46	92	05:14	76S	11:24	271
2024	Jan	04 (Thu)			05:53	70S	11:56	265
2024	Jan	05 (Fri)	00:33	98	06:33	64S	12:30	259
2024	Jan	06 (Sat)	01:23	104	07:16	58S	13:06	253
2024	Jan	07 (Sun)	02:16	110	08:03	53S	13:47	248
2024	Jan	08 (Mon)	03:13	114	08:54	49S	14:33	244
2024	Jan	09 (Tue)	04:14	118	09:51	46S	15:27	241
2024	Jan	10 (Wed)	05:18	120	10:53	45S	16:28	240
2024	Jan	11 (Thu)	06:21	119	11:57	45S	17:34	242
2024	Jan	12 (Fri)	07:20	117	13:00	48S	18:42	245
2024	Jan	13 (Sat)	08:14	112	13:59	53S	19:48	250
2024	Jan	14 (Sun)	09:02	106	14:55	59S	20:51	257
2024	Jan	15 (Mon)	09:46	99	15:46	66S	21:51	264
2024	Jan	16 (Tue)	10:26	92	16:35	73S	22:48	272
2024	Jan	17 (Wed)	11:05	85	17:23	80S	23:45	279
2024	Jan	18 (Thu)	11:44	78	18:11	86S		
2024	Jan	19 (Fri)	12:25	72	19:00	89N	00:41	285
2024	Jan	20 (Sat)	13:09	67	19:52	85N	01:39	291
2024	Jan	21 (Sun)	13:57	63	20:45	81N	02:37	295
2024	Jan	22 (Mon)	14:48	61	21:41	80N	03:36	298
2024	Jan	23 (Tue)	15:43	60	22:36	80N	04:34	300

2024	Jan	24	(Wed)	16:39	62	23:29	81N	05:28	299
2024	Jan	25	(Thu)	17:34	64			06:17	297
2024	Jan	26	(Fri)	18:28	68	00:20	84N	07:02	294
2024	Jan	27	(Sat)	19:19	73	01:07	88N	07:42	289
2024	Jan	28	(Sun)	20:07	78	01:50	89S	08:18	284
2024	Jan	29	(Mon)	20:54	84	02:32	83S	08:52	279
2024	Jan	30	(Tue)	21:41	90	03:11	77S	09:24	273
2024	Jan	31	(Wed)	22:27	96	03:50	72S	09:55	267
2024	Feb	01	(Thu)	23:15	102	04:29	66S	10:28	261
2024	Feb	02	(Fri)			05:10	60S	11:02	255
2024	Feb	03	(Sat)	00:05	108	05:54	55S	11:40	250
2024	Feb	04	(Sun)	00:59	113	06:42	50S	12:22	245
2024	Feb	05	(Mon)	01:57	117	07:35	47S	13:11	242
2024	Feb	06	(Tue)	02:58	119	08:33	45S	14:08	240
2024	Feb	07	(Wed)	04:00	120	09:35	45S	15:11	241
2024	Feb	08	(Thu)	05:01	118	10:38	46S	16:17	243
2024	Feb	09	(Fri)	05:58	115	11:40	50S	17:25	248
2024	Feb	10	(Sat)	06:50	109	12:39	56S	18:31	254
2024	Feb	11	(Sun)	07:37	103	13:33	63S	19:35	261
2024	Feb	12	(Mon)	08:20	95	14:25	70S	20:35	269
2024	Feb	13	(Tue)	09:01	88	15:15	77S	21:35	276
2024	Feb	14	(Wed)	09:41	80	16:05	84S	22:33	283
2024	Feb	15	(Thu)	10:23	74	16:55	91S	23:32	289
2024	Feb	16	(Fri)	11:07	68	17:47	86N		
2024	Feb	17	(Sat)	11:54	64	18:41	82N	00:32	294
2024	Feb	18	(Sun)	12:45	61	19:36	80N	01:31	298
2024	Feb	19	(Mon)	13:38	60	20:31	79N	02:29	300
2024	Feb	20	(Tue)	14:34	61	21:25	80N	03:24	300
2024	Feb	21	(Wed)	15:29	63	22:16	83N	04:15	298
2024	Feb	22	(Thu)	16:23	67	23:04	87N	05:01	295
2024	Feb	23	(Fri)	17:14	71	23:48	90S	05:42	291
2024	Feb	24	(Sat)	18:03	76			06:19	286
2024	Feb	25	(Sun)	18:51	82	00:30	85S	06:53	281
2024	Feb	26	(Mon)	19:37	88	01:10	79S	07:25	275
2024	Feb	27	(Tue)	20:24	94	01:49	74S	07:57	269
2024	Feb	28	(Wed)	21:11	100	02:28	68S	08:28	263
2024	Feb	29	(Thu)	22:00	106	03:08	62S	09:02	257
2024	Mar	01	(Fri)	22:51	111	03:50	57S	09:38	252
2024	Mar	02	(Sat)	23:46	115	04:36	52S	10:17	247
2024	Mar	03	(Sun)			05:26	48S	11:03	243
2024	Mar	04	(Mon)	00:44	118	06:20	45S	11:54	241
2024	Mar	05	(Tue)	01:44	120	07:18	44S	12:52	240
2024	Mar	06	(Wed)	02:44	119	08:19	45S	13:56	241
2024	Mar	07	(Thu)	03:41	117	09:20	48S	15:01	245
2024	Mar	08	(Fri)	04:35	113	10:19	53S	16:07	250
2024	Mar	09	(Sat)	05:23	106	11:16	59S	17:12	257
2024	Mar	10	(Sun)	06:08	99	12:09	66S	18:15	264
2024	Mar	11	(Mon)	06:51	92	13:01	74S	19:16	272
2024	Mar	12	(Tue)	07:32	84	13:52	81S	20:17	280
2024	Mar	13	(Wed)	08:15	77	14:44	88S	21:18	287
2024	Mar	14	(Thu)	08:59	70	15:37	88N	22:20	293
2024	Mar	15	(Fri)	09:47	65	16:33	83N	23:21	297
2024	Mar	16	(Sat)	10:38	62	17:29	80N		
2024	Mar	17	(Sun)	11:32	60	18:26	79N	00:22	299
2024	Mar	18	(Mon)	12:28	60	19:21	80N	01:19	300
2024	Mar	19	(Tue)	13:24	62	20:13	82N	02:12	299
2024	Mar	20	(Wed)	14:18	65	21:02	85N	02:59	296
2024	Mar	21	(Thu)	15:10	70	21:47	90N	03:42	293
2024	Mar	22	(Fri)	16:00	75	22:29	87S	04:20	288
2024	Mar	23	(Sat)	16:48	80	23:09	81S	04:55	283
2024	Mar	24	(Sun)	17:35	86	23:49	75S	05:27	277
2024	Mar	25	(Mon)	18:21	92			05:59	271
2024	Mar	26	(Tue)	19:08	98	00:27	70S	06:30	265
2024	Mar	27	(Wed)	19:56	104	01:07	64S	07:03	259
2024	Mar	28	(Thu)	20:47	110	01:49	58S	07:38	253
2024	Mar	29	(Fri)	21:41	114	02:33	53S	08:17	248
2024	Mar	30	(Sat)	22:37	118	03:22	49S	09:00	244
2024	Mar	31	(Sun)	23:36	120	04:14	46S	09:49	241
2024	Apr	01	(Mon)			05:10	44S	10:43	240
2024	Apr	02	(Tue)	00:34	120	06:08	45S	11:43	241
2024	Apr	03	(Wed)	01:31	118	07:07	46S	12:46	243
2024	Apr	04	(Thu)	02:24	115	08:05	50S	13:49	247

2024 Apr 05 (Fri)	03:13 110	09:01 56S	14:52 253
2024 Apr 06 (Sat)	03:58 103	09:54 62S	15:54 260
2024 Apr 07 (Sun)	04:40 96	10:45 70S	16:55 268
2024 Apr 08 (Mon)	05:22 88	11:36 77S	17:56 276
2024 Apr 09 (Tue)	06:04 80	12:28 84S	18:57 283
2024 Apr 10 (Wed)	06:48 73	13:21 90N	20:00 290
2024 Apr 11 (Thu)	07:35 67	14:17 85N	21:04 295
2024 Apr 12 (Fri)	08:26 63	15:15 81N	22:07 298
2024 Apr 13 (Sat)	09:21 61	16:14 79N	23:08 300
2024 Apr 14 (Sun)	10:18 60	17:12 79N	
2024 Apr 15 (Mon)	11:15 61	18:06 81N	00:05 300
2024 Apr 16 (Tue)	12:11 64	18:57 84N	00:55 297
2024 Apr 17 (Wed)	13:05 68	19:44 88N	01:40 294
2024 Apr 18 (Thu)	13:56 73	20:27 89S	02:20 290
2024 Apr 19 (Fri)	14:44 78	21:08 83S	02:55 284
2024 Apr 20 (Sat)	15:31 84	21:48 77S	03:29 279
2024 Apr 21 (Sun)	16:17 90	22:26 72S	04:00 273
2024 Apr 22 (Mon)	17:04 96	23:06 66S	04:32 267
2024 Apr 23 (Tue)	17:52 102	23:47 60S	05:04 261
2024 Apr 24 (Wed)	18:43 108		05:39 255
2024 Apr 25 (Thu)	19:36 113	00:31 55S	06:16 250
2024 Apr 26 (Fri)	20:32 117	01:18 50S	06:58 245
2024 Apr 27 (Sat)	21:31 119	02:10 47S	07:46 242
2024 Apr 28 (Sun)	22:29 120	03:05 45S	08:39 240
2024 Apr 29 (Mon)	23:26 119	04:03 44S	09:37 240
2024 Apr 30 (Tue)		05:01 46S	10:38 242
2024 May 01 (Wed)	00:19 116	05:58 49S	11:40 246
2024 May 02 (Thu)	01:08 112	06:53 54S	12:41 251
2024 May 03 (Fri)	01:52 106	07:45 59S	13:41 257
2024 May 04 (Sat)	02:34 99	08:35 66S	14:40 265
2024 May 05 (Sun)	03:14 92	09:24 74S	15:39 272
2024 May 06 (Mon)	03:55 84	10:14 81S	16:38 280
2024 May 07 (Tue)	04:37 77	11:06 88S	17:40 287
2024 May 08 (Wed)	05:22 70	12:00 88N	18:43 293
2024 May 09 (Thu)	06:11 65	12:58 83N	19:48 297
2024 May 10 (Fri)	07:05 62	13:57 80N	20:51 299
2024 May 11 (Sat)	08:03 60	14:57 79N	21:51 300
2024 May 12 (Sun)	09:02 61	15:55 80N	22:46 298
2024 May 13 (Mon)	10:00 63	16:49 83N	23:34 295
2024 May 14 (Tue)	10:56 66	17:38 86N	
2024 May 15 (Wed)	11:49 71	18:23 90S	00:16 291
2024 May 16 (Thu)	12:38 76	19:05 85S	00:54 286
2024 May 17 (Fri)	13:26 82	19:45 80S	01:28 281
2024 May 18 (Sat)	14:12 88	20:24 74S	02:01 275
2024 May 19 (Sun)	14:59 94	21:03 68S	02:32 269
2024 May 20 (Mon)	15:46 100	21:44 62S	03:04 263
2024 May 21 (Tue)	16:36 106	22:27 57S	03:38 257
2024 May 22 (Wed)	17:28 111	23:13 52S	04:14 252
2024 May 23 (Thu)	18:24 115		04:55 247
2024 May 24 (Fri)	19:23 118	00:04 48S	05:41 243
2024 May 25 (Sat)	20:23 120	00:59 45S	06:33 241
2024 May 26 (Sun)	21:21 119	01:57 44S	07:31 240
2024 May 27 (Mon)	22:16 117	02:56 45S	08:32 241
2024 May 28 (Tue)	23:06 113	03:54 48S	09:34 245
2024 May 29 (Wed)	23:51 107	04:49 52S	10:35 249
2024 May 30 (Thu)		05:41 58S	11:35 255
2024 May 31 (Fri)	00:33 101	06:31 64S	12:33 262
2024 Jun 01 (Sat)	01:12 94	07:19 71S	13:30 270
2024 Jun 02 (Sun)	01:51 87	08:07 78S	14:27 277
2024 Jun 03 (Mon)	02:31 80	08:56 85S	15:26 284
2024 Jun 04 (Tue)	03:14 73	09:48 90N	16:27 290
2024 Jun 05 (Wed)	04:00 67	10:43 85N	17:30 295
2024 Jun 06 (Thu)	04:52 63	11:41 81N	18:34 298
2024 Jun 07 (Fri)	05:47 61	12:41 80N	19:36 300
2024 Jun 08 (Sat)	06:46 60	13:40 80N	20:33 299
2024 Jun 09 (Sun)	07:46 62	14:37 82N	21:25 297
2024 Jun 10 (Mon)	08:44 65	15:29 85N	22:10 293
2024 Jun 11 (Tue)	09:39 69	16:16 89N	22:50 288
2024 Jun 12 (Wed)	10:30 74	17:00 87S	23:26 283
2024 Jun 13 (Thu)	11:19 80	17:41 82S	23:59 277
2024 Jun 14 (Fri)	12:06 86	18:20 76S	
2024 Jun 15 (Sat)	12:52 92	18:59 70S	00:31 271

2024 Jun 16 (Sun)	13:39 98	19:39 64S	01:03 265
2024 Jun 17 (Mon)	14:27 104	20:21 59S	01:35 259
2024 Jun 18 (Tue)	15:18 109	21:05 54S	02:11 254
2024 Jun 19 (Wed)	16:13 114	21:54 49S	02:49 249
2024 Jun 20 (Thu)	17:11 117	22:48 46S	03:33 244
2024 Jun 21 (Fri)	18:11 119	23:46 45S	04:24 241
2024 Jun 22 (Sat)	19:11 120		05:20 240
2024 Jun 23 (Sun)	20:09 118	00:46 45S	06:21 241
2024 Jun 24 (Mon)	21:02 114	01:46 47S	07:25 243
2024 Jun 25 (Tue)	21:49 109	02:43 51S	08:28 248
2024 Jun 26 (Wed)	22:33 103	03:37 56S	09:29 254
2024 Jun 27 (Thu)	23:13 96	04:28 62S	10:28 260
2024 Jun 28 (Fri)	23:52 89	05:17 69S	11:25 268
2024 Jun 29 (Sat)		06:05 76S	12:22 275
2024 Jun 30 (Sun)	00:31 82	06:53 83S	13:19 282
2024 Jul 01 (Mon)	01:11 75	07:42 90S	14:18 288
2024 Jul 02 (Tue)	01:55 69	08:35 86N	15:19 294
2024 Jul 03 (Wed)	02:44 64	09:31 82N	16:21 297
2024 Jul 04 (Thu)	03:37 61	10:29 80N	17:23 299
2024 Jul 05 (Fri)	04:34 60	11:28 79N	18:22 300
2024 Jul 06 (Sat)	05:33 61	12:25 81N	19:16 298
2024 Jul 07 (Sun)	06:32 63	13:19 83N	20:04 295
2024 Jul 08 (Mon)	07:28 67	14:09 87N	20:46 290
2024 Jul 09 (Tue)	08:21 72	14:54 89S	21:23 285
2024 Jul 10 (Wed)	09:11 78	15:37 84S	21:58 279
2024 Jul 11 (Thu)	09:59 84	16:16 78S	22:30 273
2024 Jul 12 (Fri)	10:46 90	16:55 72S	23:01 267
2024 Jul 13 (Sat)	11:32 96	17:34 66S	23:33 261
2024 Jul 14 (Sun)	12:19 102	18:15 61S	
2024 Jul 15 (Mon)	13:08 107	18:58 56S	00:07 256
2024 Jul 16 (Tue)	14:01 112	19:44 51S	00:44 250
2024 Jul 17 (Wed)	14:57 116	20:35 47S	01:25 246
2024 Jul 18 (Thu)	15:56 119	21:31 45S	02:12 242
2024 Jul 19 (Fri)	16:56 120	22:31 44S	03:05 240
2024 Jul 20 (Sat)	17:56 119	23:32 46S	04:05 240
2024 Jul 21 (Sun)	18:52 116		05:09 242
2024 Jul 22 (Mon)	19:42 111	00:31 49S	06:14 246
2024 Jul 23 (Tue)	20:29 105	01:28 54S	07:18 251
2024 Jul 24 (Wed)	21:11 98	02:22 60S	08:19 258
2024 Jul 25 (Thu)	21:51 91	03:13 67S	09:19 265
2024 Jul 26 (Fri)	22:31 83	04:02 74S	10:17 273
2024 Jul 27 (Sat)	23:11 77	04:50 81S	11:14 280
2024 Jul 28 (Sun)	23:54 70	05:40 88S	12:13 287
2024 Jul 29 (Mon)		06:31 88N	13:13 292
2024 Jul 30 (Tue)	00:40 65	07:26 83N	14:14 297
2024 Jul 31 (Wed)	01:31 62	08:22 80N	15:15 299
2024 Aug 01 (Thu)	02:26 60	09:20 79N	16:14 300
2024 Aug 02 (Fri)	03:24 60	10:17 80N	17:09 299
2024 Aug 03 (Sat)	04:23 62	11:12 82N	17:59 296
2024 Aug 04 (Sun)	05:19 66	12:03 86N	18:42 292
2024 Aug 05 (Mon)	06:13 70	12:49 90N	19:21 287
2024 Aug 06 (Tue)	07:05 76	13:33 86S	19:57 281
2024 Aug 07 (Wed)	07:53 81	14:13 80S	20:30 276
2024 Aug 08 (Thu)	08:40 87	14:52 74S	21:01 270
2024 Aug 09 (Fri)	09:26 94	15:31 68S	21:33 264
2024 Aug 10 (Sat)	10:13 100	16:11 63S	22:05 258
2024 Aug 11 (Sun)	11:01 105	16:52 57S	22:40 252
2024 Aug 12 (Mon)	11:51 110	17:36 53S	23:19 248
2024 Aug 13 (Tue)	12:45 115	18:25 49S	
2024 Aug 14 (Wed)	13:41 118	19:17 46S	00:02 244
2024 Aug 15 (Thu)	14:40 120	20:14 44S	00:52 241
2024 Aug 16 (Fri)	15:40 120	21:14 45S	01:48 240
2024 Aug 17 (Sat)	16:37 118	22:14 47S	02:49 241
2024 Aug 18 (Sun)	17:30 114	23:13 51S	03:54 244
2024 Aug 19 (Mon)	18:19 108		04:59 249
2024 Aug 20 (Tue)	19:04 101	00:09 57S	06:03 255
2024 Aug 21 (Wed)	19:46 94	01:02 64S	07:05 262
2024 Aug 22 (Thu)	20:27 86	01:53 71S	08:05 270
2024 Aug 23 (Fri)	21:08 79	02:43 79S	09:05 278
2024 Aug 24 (Sat)	21:51 72	03:34 86S	10:05 285
2024 Aug 25 (Sun)	22:37 67	04:26 89N	11:06 291
2024 Aug 26 (Mon)	23:28 63	05:21 84N	12:08 296

2024 Aug 27 (Tue)		06:18 81N	13:10 299
2024 Aug 28 (Wed)	00:22 60	07:16 79N	14:10 300
2024 Aug 29 (Thu)	01:19 60	08:13 79N	15:06 299
2024 Aug 30 (Fri)	02:17 61	09:08 81N	15:56 297
2024 Aug 31 (Sat)	03:14 64	09:59 84N	16:41 293
2024 Sep 01 (Sun)	04:08 69	10:47 89N	17:21 289
2024 Sep 02 (Mon)	05:00 74	11:30 88S	17:57 283
2024 Sep 03 (Tue)	05:49 79	12:12 82S	18:31 278
2024 Sep 04 (Wed)	06:36 85	12:51 76S	19:02 272
2024 Sep 05 (Thu)	07:22 91	13:30 70S	19:34 266
2024 Sep 06 (Fri)	08:09 98	14:09 65S	20:06 260
2024 Sep 07 (Sat)	08:56 103	14:49 59S	20:39 254
2024 Sep 08 (Sun)	09:45 109	15:32 54S	21:16 249
2024 Sep 09 (Mon)	10:37 113	16:18 50S	21:57 245
2024 Sep 10 (Tue)	11:31 117	17:08 47S	22:43 242
2024 Sep 11 (Wed)	12:28 119	18:02 45S	23:35 240
2024 Sep 12 (Thu)	13:26 120	18:59 44S	
2024 Sep 13 (Fri)	14:22 119	19:57 46S	00:32 240
2024 Sep 14 (Sat)	15:16 116	20:56 49S	01:34 242
2024 Sep 15 (Sun)	16:06 111	21:52 54S	02:38 246
2024 Sep 16 (Mon)	16:53 105	22:46 60S	03:42 251
2024 Sep 17 (Tue)	17:36 98	23:39 67S	04:44 258
2024 Sep 18 (Wed)	18:18 90		05:46 266
2024 Sep 19 (Thu)	19:00 82	00:30 75S	06:47 274
2024 Sep 20 (Fri)	19:44 75	01:22 83S	07:49 282
2024 Sep 21 (Sat)	20:30 69	02:15 90S	08:52 289
2024 Sep 22 (Sun)	21:21 64	03:11 86N	09:56 294
2024 Sep 23 (Mon)	22:15 61	04:09 82N	11:00 298
2024 Sep 24 (Tue)	23:13 60	05:08 80N	12:03 300
2024 Sep 25 (Wed)		06:07 79N	13:01 300
2024 Sep 26 (Thu)	00:11 61	07:04 80N	13:54 298
2024 Sep 27 (Fri)	01:09 63	07:56 83N	14:41 295
2024 Sep 28 (Sat)	02:04 67	08:45 87N	15:22 290
2024 Sep 29 (Sun)	02:56 72	09:29 89S	15:59 285
2024 Sep 30 (Mon)	03:46 77	10:11 84S	16:33 280
2024 Oct 01 (Tue)	04:33 83	10:51 78S	17:05 274
2024 Oct 02 (Wed)	05:20 89	11:30 72S	17:36 268
2024 Oct 03 (Thu)	06:06 96	12:08 66S	18:08 262
2024 Oct 04 (Fri)	06:53 101	12:48 61S	18:41 256
2024 Oct 05 (Sat)	07:41 107	13:30 56S	19:16 251
2024 Oct 06 (Sun)	08:32 112	14:15 51S	19:55 246
2024 Oct 07 (Mon)	09:25 116	15:03 47S	20:39 243
2024 Oct 08 (Tue)	10:21 119	15:55 45S	21:29 240
2024 Oct 09 (Wed)	11:17 120	16:50 44S	22:23 240
2024 Oct 10 (Thu)	12:13 120	17:46 45S	23:21 241
2024 Oct 11 (Fri)	13:06 118	18:43 47S	
2024 Oct 12 (Sat)	13:56 114	19:38 51S	00:22 244
2024 Oct 13 (Sun)	14:42 108	20:32 57S	01:24 249
2024 Oct 14 (Mon)	15:26 102	21:23 64S	02:25 255
2024 Oct 15 (Tue)	16:07 94	22:14 71S	03:25 262
2024 Oct 16 (Wed)	16:49 86	23:05 79S	04:26 270
2024 Oct 17 (Thu)	17:32 79	23:58 86S	05:27 278
2024 Oct 18 (Fri)	18:17 72		06:30 285
2024 Oct 19 (Sat)	19:07 66	00:54 89N	07:35 291
2024 Oct 20 (Sun)	20:02 62	01:53 84N	08:42 296
2024 Oct 21 (Mon)	21:00 60	02:54 80N	09:48 299
2024 Oct 22 (Tue)	22:01 60	03:55 79N	10:51 300
2024 Oct 23 (Wed)	23:01 62	04:55 80N	11:47 299
2024 Oct 24 (Thu)	23:58 66	05:50 82N	12:37 296
2024 Oct 25 (Fri)		06:41 86N	13:21 292
2024 Oct 26 (Sat)	00:52 70	07:28 90N	13:59 287
2024 Oct 27 (Sun)	01:42 76	08:10 86S	14:34 281
2024 Oct 28 (Mon)	02:30 81	08:50 80S	15:07 276
2024 Oct 29 (Tue)	03:17 87	09:29 74S	15:38 270
2024 Oct 30 (Wed)	04:03 94	10:08 68S	16:09 263
2024 Oct 31 (Thu)	04:50 100	10:47 63S	16:42 258
2024 Nov 01 (Fri)	05:38 105	11:29 57S	17:17 252
2024 Nov 02 (Sat)	06:28 110	12:13 52S	17:55 247
2024 Nov 03 (Sun)	07:21 115	13:00 49S	18:38 244
2024 Nov 04 (Mon)	08:16 118	13:51 46S	19:26 241
2024 Nov 05 (Tue)	09:12 120	14:45 44S	20:18 240
2024 Nov 06 (Wed)	10:08 120	15:41 45S	21:15 241

2024 Nov 07 (Thu)	11:01 118	16:37 46S	22:14 243
2024 Nov 08 (Fri)	11:51 115	17:31 50S	23:14 247
2024 Nov 09 (Sat)	12:37 110	18:23 55S	
2024 Nov 10 (Sun)	13:20 104	19:14 61S	00:13 252
2024 Nov 11 (Mon)	14:00 98	20:03 68S	01:11 259
2024 Nov 12 (Tue)	14:40 90	20:52 75S	02:09 266
2024 Nov 13 (Wed)	15:21 83	21:42 82S	03:08 274
2024 Nov 14 (Thu)	16:04 75	22:35 89S	04:08 281
2024 Nov 15 (Fri)	16:52 69	23:32 86N	05:12 288
2024 Nov 16 (Sat)	17:44 64		06:18 294
2024 Nov 17 (Sun)	18:42 61	00:33 82N	07:25 298
2024 Nov 18 (Mon)	19:44 60	01:36 80N	08:32 300
2024 Nov 19 (Tue)	20:46 61	02:39 79N	09:33 300
2024 Nov 20 (Wed)	21:46 64	03:38 81N	10:28 297
2024 Nov 21 (Thu)	22:43 69	04:33 84N	11:15 294
2024 Nov 22 (Fri)	23:36 74	05:22 89N	11:57 289
2024 Nov 23 (Sat)		06:07 88S	12:33 283
2024 Nov 24 (Sun)	00:25 79	06:48 82S	13:07 278
2024 Nov 25 (Mon)	01:13 85	07:28 76S	13:39 272
2024 Nov 26 (Tue)	01:59 91	08:06 70S	14:10 266
2024 Nov 27 (Wed)	02:45 98	08:45 65S	14:42 260
2024 Nov 28 (Thu)	03:32 103	09:26 59S	15:16 254
2024 Nov 29 (Fri)	04:22 109	10:09 54S	15:53 249
2024 Nov 30 (Sat)	05:14 113	10:56 50S	16:35 245
2024 Dec 01 (Sun)	06:09 117	11:46 47S	17:22 242
2024 Dec 02 (Mon)	07:06 119	12:40 45S	18:13 240
2024 Dec 03 (Tue)	08:03 120	13:36 44S	19:10 240
2024 Dec 04 (Wed)	08:58 119	14:33 46S	20:09 242
2024 Dec 05 (Thu)	09:49 116	15:28 49S	21:09 246
2024 Dec 06 (Fri)	10:36 112	16:20 53S	22:08 251
2024 Dec 07 (Sat)	11:19 106	17:10 59S	23:05 257
2024 Dec 08 (Sun)	11:59 100	17:58 65S	
2024 Dec 09 (Mon)	12:37 93	18:45 72S	00:01 264
2024 Dec 10 (Tue)	13:16 85	19:33 79S	00:58 271
2024 Dec 11 (Wed)	13:57 78	20:23 86S	01:55 278
2024 Dec 12 (Thu)	14:40 72	21:17 89N	02:55 285
2024 Dec 13 (Fri)	15:29 66	22:14 84N	03:58 291
2024 Dec 14 (Sat)	16:24 62	23:16 81N	05:03 296
2024 Dec 15 (Sun)	17:24 60		06:10 299
2024 Dec 16 (Mon)	18:26 61	00:19 79N	07:14 300
2024 Dec 17 (Tue)	19:29 63	01:20 80N	08:13 298
2024 Dec 18 (Wed)	20:29 67	02:18 83N	09:05 295
2024 Dec 19 (Thu)	21:25 72	03:11 87N	09:50 291
2024 Dec 20 (Fri)	22:17 77	03:59 90S	10:29 286
2024 Dec 21 (Sat)	23:05 83	04:43 84S	11:05 280
2024 Dec 22 (Sun)	23:52 89	05:23 78S	11:38 274
2024 Dec 23 (Mon)		06:03 72S	12:09 268
2024 Dec 24 (Tue)	00:39 95	06:42 67S	12:41 262
2024 Dec 25 (Wed)	01:26 101	07:22 61S	13:14 256
2024 Dec 26 (Thu)	02:14 107	08:04 56S	13:50 251
2024 Dec 27 (Fri)	03:05 112	08:49 51S	14:30 246
2024 Dec 28 (Sat)	03:59 116	09:38 48S	15:14 243
2024 Dec 29 (Sun)	04:56 119	10:31 45S	16:05 241
2024 Dec 30 (Mon)	05:53 120	11:27 44S	17:00 240
2024 Dec 31 (Tue)	06:50 119	12:24 45S	18:00 241