

Sun

Uthai Thani

Location: E 99°58'26.4", N15°25'01.1", 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)	05:56	06:46	114	12:23 52S	18:00	246	18:50
2024	Jan	02 (Tue)	05:57	06:47	114	12:24 52S	18:01	246	18:51
2024	Jan	03 (Wed)	05:57	06:47	114	12:24 52S	18:01	246	18:51
2024	Jan	04 (Thu)	05:57	06:47	113	12:25 53S	18:02	247	18:52
2024	Jan	05 (Fri)	05:58	06:48	113	12:25 53S	18:03	247	18:53
2024	Jan	06 (Sat)	05:58	06:48	113	12:26 53S	18:03	247	18:53
2024	Jan	07 (Sun)	05:59	06:48	113	12:26 53S	18:04	247	18:54
2024	Jan	08 (Mon)	05:59	06:49	113	12:26 53S	18:04	247	18:54
2024	Jan	09 (Tue)	05:59	06:49	113	12:27 53S	18:05	247	18:55
2024	Jan	10 (Wed)	05:59	06:49	113	12:27 53S	18:06	247	18:55
2024	Jan	11 (Thu)	06:00	06:49	113	12:28 53S	18:06	248	18:56
2024	Jan	12 (Fri)	06:00	06:50	112	12:28 54S	18:07	248	18:56
2024	Jan	13 (Sat)	06:00	06:50	112	12:29 54S	18:07	248	18:57
2024	Jan	14 (Sun)	06:00	06:50	112	12:29 54S	18:08	248	18:57
2024	Jan	15 (Mon)	06:01	06:50	112	12:29 54S	18:09	248	18:58
2024	Jan	16 (Tue)	06:01	06:50	112	12:30 54S	18:09	248	18:58
2024	Jan	17 (Wed)	06:01	06:50	111	12:30 54S	18:10	249	18:59
2024	Jan	18 (Thu)	06:01	06:50	111	12:30 55S	18:10	249	18:59
2024	Jan	19 (Fri)	06:01	06:50	111	12:31 55S	18:11	249	19:00
2024	Jan	20 (Sat)	06:01	06:51	111	12:31 55S	18:11	249	19:00
2024	Jan	21 (Sun)	06:02	06:51	111	12:31 55S	18:12	250	19:01
2024	Jan	22 (Mon)	06:02	06:51	110	12:31 56S	18:13	250	19:01
2024	Jan	23 (Tue)	06:02	06:51	110	12:32 56S	18:13	250	19:02
2024	Jan	24 (Wed)	06:02	06:51	110	12:32 56S	18:14	250	19:02
2024	Jan	25 (Thu)	06:02	06:50	110	12:32 56S	18:14	250	19:03
2024	Jan	26 (Fri)	06:02	06:50	109	12:32 56S	18:15	251	19:03
2024	Jan	27 (Sat)	06:02	06:50	109	12:33 57S	18:15	251	19:04
2024	Jan	28 (Sun)	06:02	06:50	109	12:33 57S	18:16	251	19:04
2024	Jan	29 (Mon)	06:02	06:50	109	12:33 57S	18:16	252	19:05
2024	Jan	30 (Tue)	06:02	06:50	108	12:33 57S	18:17	252	19:05
2024	Jan	31 (Wed)	06:01	06:50	108	12:33 58S	18:17	252	19:05
2024	Feb	01 (Thu)	06:01	06:50	108	12:34 58S	18:18	252	19:06
2024	Feb	02 (Fri)	06:01	06:49	107	12:34 58S	18:18	253	19:06
2024	Feb	03 (Sat)	06:01	06:49	107	12:34 59S	18:19	253	19:07
2024	Feb	04 (Sun)	06:01	06:49	107	12:34 59S	18:19	253	19:07
2024	Feb	05 (Mon)	06:01	06:49	107	12:34 59S	18:19	254	19:07
2024	Feb	06 (Tue)	06:01	06:48	106	12:34 60S	18:20	254	19:08
2024	Feb	07 (Wed)	06:00	06:48	106	12:34 60S	18:20	254	19:08
2024	Feb	08 (Thu)	06:00	06:48	106	12:34 60S	18:21	255	19:09
2024	Feb	09 (Fri)	06:00	06:48	105	12:34 60S	18:21	255	19:09
2024	Feb	10 (Sat)	06:00	06:47	105	12:34 61S	18:22	255	19:09
2024	Feb	11 (Sun)	05:59	06:47	105	12:34 61S	18:22	256	19:10
2024	Feb	12 (Mon)	05:59	06:46	104	12:34 61S	18:22	256	19:10
2024	Feb	13 (Tue)	05:59	06:46	104	12:34 62S	18:23	256	19:10
2024	Feb	14 (Wed)	05:58	06:46	104	12:34 62S	18:23	257	19:10
2024	Feb	15 (Thu)	05:58	06:45	103	12:34 62S	18:23	257	19:11
2024	Feb	16 (Fri)	05:58	06:45	103	12:34 63S	18:24	257	19:11
2024	Feb	17 (Sat)	05:57	06:44	102	12:34 63S	18:24	258	19:11
2024	Feb	18 (Sun)	05:57	06:44	102	12:34 63S	18:24	258	19:12
2024	Feb	19 (Mon)	05:56	06:43	102	12:34 64S	18:25	258	19:12
2024	Feb	20 (Tue)	05:56	06:43	101	12:34 64S	18:25	259	19:12
2024	Feb	21 (Wed)	05:55	06:42	101	12:34 65S	18:25	259	19:12
2024	Feb	22 (Thu)	05:55	06:42	101	12:34 65S	18:26	260	19:13
2024	Feb	23 (Fri)	05:54	06:41	100	12:34 65S	18:26	260	19:13
2024	Feb	24 (Sat)	05:54	06:41	100	12:33 66S	18:26	260	19:13
2024	Feb	25 (Sun)	05:53	06:40	99	12:33 66S	18:26	261	19:13
2024	Feb	26 (Mon)	05:53	06:40	99	12:33 66S	18:27	261	19:13
2024	Feb	27 (Tue)	05:52	06:39	99	12:33 67S	18:27	261	19:14
2024	Feb	28 (Wed)	05:52	06:38	98	12:33 67S	18:27	262	19:14
2024	Feb	29 (Thu)	05:51	06:38	98	12:33 68S	18:27	262	19:14

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

2024	May	12	(Sun)	05:02	05:52	71	12:16	88N	18:41	289	19:31
2024	May	13	(Mon)	05:02	05:52	71	12:16	88N	18:41	290	19:31
2024	May	14	(Tue)	05:02	05:51	70	12:16	87N	18:42	290	19:32
2024	May	15	(Wed)	05:01	05:51	70	12:16	87N	18:42	290	19:32
2024	May	16	(Thu)	05:01	05:51	70	12:16	87N	18:42	290	19:32
2024	May	17	(Fri)	05:01	05:51	70	12:17	87N	18:43	291	19:33
2024	May	18	(Sat)	05:00	05:50	69	12:17	86N	18:43	291	19:33
2024	May	19	(Sun)	05:00	05:50	69	12:17	86N	18:43	291	19:34
2024	May	20	(Mon)	05:00	05:50	69	12:17	86N	18:44	291	19:34
2024	May	21	(Tue)	04:59	05:50	69	12:17	86N	18:44	291	19:34
2024	May	22	(Wed)	04:59	05:50	69	12:17	86N	18:44	292	19:35
2024	May	23	(Thu)	04:59	05:49	68	12:17	85N	18:45	292	19:35
2024	May	24	(Fri)	04:59	05:49	68	12:17	85N	18:45	292	19:36
2024	May	25	(Sat)	04:58	05:49	68	12:17	85N	18:45	292	19:36
2024	May	26	(Sun)	04:58	05:49	68	12:17	85N	18:46	292	19:36
2024	May	27	(Mon)	04:58	05:49	68	12:17	85N	18:46	293	19:37
2024	May	28	(Tue)	04:58	05:49	67	12:17	85N	18:46	293	19:37
2024	May	29	(Wed)	04:58	05:49	67	12:18	84N	18:47	293	19:38
2024	May	30	(Thu)	04:58	05:49	67	12:18	84N	18:47	293	19:38
2024	May	31	(Fri)	04:57	05:49	67	12:18	84N	18:47	293	19:38
2024	Jun	01	(Sat)	04:57	05:49	67	12:18	84N	18:48	293	19:39
2024	Jun	02	(Sun)	04:57	05:49	67	12:18	84N	18:48	293	19:39
2024	Jun	03	(Mon)	04:57	05:49	67	12:18	84N	18:48	294	19:40
2024	Jun	04	(Tue)	04:57	05:49	66	12:18	84N	18:49	294	19:40
2024	Jun	05	(Wed)	04:57	05:49	66	12:19	84N	18:49	294	19:40
2024	Jun	06	(Thu)	04:57	05:49	66	12:19	83N	18:49	294	19:41
2024	Jun	07	(Fri)	04:57	05:49	66	12:19	83N	18:50	294	19:41
2024	Jun	08	(Sat)	04:57	05:49	66	12:19	83N	18:50	294	19:41
2024	Jun	09	(Sun)	04:57	05:49	66	12:19	83N	18:50	294	19:42
2024	Jun	10	(Mon)	04:57	05:49	66	12:20	83N	18:50	294	19:42
2024	Jun	11	(Tue)	04:57	05:49	66	12:20	83N	18:51	294	19:42
2024	Jun	12	(Wed)	04:57	05:49	66	12:20	83N	18:51	294	19:43
2024	Jun	13	(Thu)	04:58	05:49	66	12:20	83N	18:51	294	19:43
2024	Jun	14	(Fri)	04:58	05:49	66	12:20	83N	18:52	294	19:43
2024	Jun	15	(Sat)	04:58	05:50	66	12:21	83N	18:52	295	19:44
2024	Jun	16	(Sun)	04:58	05:50	65	12:21	83N	18:52	295	19:44
2024	Jun	17	(Mon)	04:58	05:50	65	12:21	83N	18:52	295	19:44
2024	Jun	18	(Tue)	04:58	05:50	65	12:21	83N	18:53	295	19:44
2024	Jun	19	(Wed)	04:58	05:50	65	12:22	83N	18:53	295	19:45
2024	Jun	20	(Thu)	04:59	05:50	65	12:22	83N	18:53	295	19:45
2024	Jun	21	(Fri)	04:59	05:51	65	12:22	83N	18:53	295	19:45
2024	Jun	22	(Sat)	04:59	05:51	65	12:22	83N	18:53	295	19:45
2024	Jun	23	(Sun)	04:59	05:51	65	12:22	83N	18:54	295	19:46
2024	Jun	24	(Mon)	05:00	05:51	65	12:23	83N	18:54	295	19:46
2024	Jun	25	(Tue)	05:00	05:52	65	12:23	83N	18:54	295	19:46
2024	Jun	26	(Wed)	05:00	05:52	65	12:23	83N	18:54	295	19:46
2024	Jun	27	(Thu)	05:00	05:52	66	12:23	83N	18:54	294	19:46
2024	Jun	28	(Fri)	05:01	05:52	66	12:23	83N	18:54	294	19:46
2024	Jun	29	(Sat)	05:01	05:53	66	12:24	83N	18:55	294	19:46
2024	Jun	30	(Sun)	05:01	05:53	66	12:24	83N	18:55	294	19:46
2024	Jul	01	(Mon)	05:02	05:53	66	12:24	83N	18:55	294	19:46
2024	Jul	02	(Tue)	05:02	05:54	66	12:24	83N	18:55	294	19:47
2024	Jul	03	(Wed)	05:02	05:54	66	12:24	83N	18:55	294	19:47
2024	Jul	04	(Thu)	05:03	05:54	66	12:25	83N	18:55	294	19:47
2024	Jul	05	(Fri)	05:03	05:54	66	12:25	83N	18:55	294	19:47
2024	Jul	06	(Sat)	05:03	05:55	66	12:25	83N	18:55	294	19:47
2024	Jul	07	(Sun)	05:04	05:55	66	12:25	84N	18:55	294	19:47
2024	Jul	08	(Mon)	05:04	05:55	66	12:25	84N	18:55	294	19:46
2024	Jul	09	(Tue)	05:04	05:56	67	12:25	84N	18:55	293	19:46
2024	Jul	10	(Wed)	05:05	05:56	67	12:26	84N	18:55	293	19:46
2024	Jul	11	(Thu)	05:05	05:56	67	12:26	84N	18:55	293	19:46
2024	Jul	12	(Fri)	05:05	05:57	67	12:26	84N	18:55	293	19:46
2024	Jul	13	(Sat)	05:06	05:57	67	12:26	84N	18:55	293	19:46
2024	Jul	14	(Sun)	05:06	05:57	67	12:26	85N	18:55	293	19:46
2024	Jul	15	(Mon)	05:07	05:57	67	12:26	85N	18:55	292	19:46
2024	Jul	16	(Tue)	05:07	05:58	68	12:26	85N	18:55	292	19:45
2024	Jul	17	(Wed)	05:07	05:58	68	12:26	85N	18:54	292	19:45
2024	Jul	18	(Thu)	05:08	05:58	68	12:26	85N	18:54	292	19:45
2024	Jul	19	(Fri)	05:08	05:59	68	12:26	85N	18:54	292	19:45
2024	Jul	20	(Sat)	05:08	05:59	68	12:27	86N	18:54	292	19:44
2024	Jul	21	(Sun)	05:09	05:59	69	12:27	86N	18:54	291	19:44
2024	Jul	22	(Mon)	05:09	06:00	69	12:27	86N	18:53	291	19:44

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

2024	Oct	03	(Thu)	05:24	06:10	94	12:09	71S	18:08	266	18:54
2024	Oct	04	(Fri)	05:24	06:10	94	12:09	71S	18:07	265	18:53
2024	Oct	05	(Sat)	05:24	06:10	95	12:08	70S	18:06	265	18:53
2024	Oct	06	(Sun)	05:24	06:11	95	12:08	70S	18:06	265	18:52
2024	Oct	07	(Mon)	05:24	06:11	96	12:08	70S	18:05	264	18:51
2024	Oct	08	(Tue)	05:24	06:11	96	12:08	69S	18:04	264	18:51
2024	Oct	09	(Wed)	05:24	06:11	96	12:07	69S	18:03	263	18:50
2024	Oct	10	(Thu)	05:25	06:11	97	12:07	68S	18:03	263	18:49
2024	Oct	11	(Fri)	05:25	06:11	97	12:07	68S	18:02	263	18:49
2024	Oct	12	(Sat)	05:25	06:11	98	12:07	68S	18:01	262	18:48
2024	Oct	13	(Sun)	05:25	06:12	98	12:06	67S	18:01	262	18:47
2024	Oct	14	(Mon)	05:25	06:12	98	12:06	67S	18:00	261	18:47
2024	Oct	15	(Tue)	05:25	06:12	99	12:06	67S	17:59	261	18:46
2024	Oct	16	(Wed)	05:25	06:12	99	12:06	66S	17:59	261	18:46
2024	Oct	17	(Thu)	05:26	06:12	99	12:05	66S	17:58	260	18:45
2024	Oct	18	(Fri)	05:26	06:13	100	12:05	65S	17:58	260	18:44
2024	Oct	19	(Sat)	05:26	06:13	100	12:05	65S	17:57	260	18:44
2024	Oct	20	(Sun)	05:26	06:13	101	12:05	65S	17:56	259	18:43
2024	Oct	21	(Mon)	05:26	06:13	101	12:05	64S	17:56	259	18:43
2024	Oct	22	(Tue)	05:26	06:13	101	12:05	64S	17:55	258	18:42
2024	Oct	23	(Wed)	05:27	06:14	102	12:04	64S	17:55	258	18:42
2024	Oct	24	(Thu)	05:27	06:14	102	12:04	63S	17:54	258	18:41
2024	Oct	25	(Fri)	05:27	06:14	102	12:04	63S	17:54	257	18:41
2024	Oct	26	(Sat)	05:27	06:15	103	12:04	63S	17:53	257	18:41
2024	Oct	27	(Sun)	05:28	06:15	103	12:04	62S	17:53	257	18:40
2024	Oct	28	(Mon)	05:28	06:15	103	12:04	62S	17:52	256	18:40
2024	Oct	29	(Tue)	05:28	06:15	104	12:04	62S	17:52	256	18:39
2024	Oct	30	(Wed)	05:28	06:16	104	12:04	61S	17:52	256	18:39
2024	Oct	31	(Thu)	05:29	06:16	104	12:04	61S	17:51	255	18:39
2024	Nov	01	(Fri)	05:29	06:16	105	12:04	61S	17:51	255	18:38
2024	Nov	02	(Sat)	05:29	06:17	105	12:04	60S	17:50	255	18:38
2024	Nov	03	(Sun)	05:29	06:17	105	12:04	60S	17:50	254	18:38
2024	Nov	04	(Mon)	05:30	06:18	106	12:04	60S	17:50	254	18:37
2024	Nov	05	(Tue)	05:30	06:18	106	12:04	59S	17:49	254	18:37
2024	Nov	06	(Wed)	05:30	06:18	106	12:04	59S	17:49	253	18:37
2024	Nov	07	(Thu)	05:31	06:19	107	12:04	59S	17:49	253	18:37
2024	Nov	08	(Fri)	05:31	06:19	107	12:04	59S	17:48	253	18:37
2024	Nov	09	(Sat)	05:31	06:20	107	12:04	58S	17:48	253	18:36
2024	Nov	10	(Sun)	05:32	06:20	108	12:04	58S	17:48	252	18:36
2024	Nov	11	(Mon)	05:32	06:20	108	12:04	58S	17:48	252	18:36
2024	Nov	12	(Tue)	05:32	06:21	108	12:04	57S	17:48	252	18:36
2024	Nov	13	(Wed)	05:33	06:21	108	12:04	57S	17:47	251	18:36
2024	Nov	14	(Thu)	05:33	06:22	109	12:05	57S	17:47	251	18:36
2024	Nov	15	(Fri)	05:34	06:22	109	12:05	57S	17:47	251	18:36
2024	Nov	16	(Sat)	05:34	06:23	109	12:05	56S	17:47	251	18:36
2024	Nov	17	(Sun)	05:34	06:23	110	12:05	56S	17:47	250	18:36
2024	Nov	18	(Mon)	05:35	06:24	110	12:05	56S	17:47	250	18:36
2024	Nov	19	(Tue)	05:35	06:24	110	12:06	56S	17:47	250	18:36
2024	Nov	20	(Wed)	05:36	06:25	110	12:06	55S	17:47	250	18:36
2024	Nov	21	(Thu)	05:36	06:25	110	12:06	55S	17:47	249	18:36
2024	Nov	22	(Fri)	05:37	06:26	111	12:06	55S	17:47	249	18:36
2024	Nov	23	(Sat)	05:37	06:26	111	12:07	55S	17:47	249	18:36
2024	Nov	24	(Sun)	05:38	06:27	111	12:07	55S	17:47	249	18:36
2024	Nov	25	(Mon)	05:38	06:27	111	12:07	54S	17:47	249	18:36
2024	Nov	26	(Tue)	05:39	06:28	112	12:07	54S	17:47	248	18:36
2024	Nov	27	(Wed)	05:39	06:28	112	12:08	54S	17:47	248	18:36
2024	Nov	28	(Thu)	05:40	06:29	112	12:08	54S	17:47	248	18:37
2024	Nov	29	(Fri)	05:40	06:30	112	12:08	54S	17:47	248	18:37
2024	Nov	30	(Sat)	05:41	06:30	112	12:09	54S	17:47	248	18:37
2024	Dec	01	(Sun)	05:41	06:31	112	12:09	53S	17:48	247	18:37
2024	Dec	02	(Mon)	05:42	06:31	113	12:10	53S	17:48	247	18:37
2024	Dec	03	(Tue)	05:42	06:32	113	12:10	53S	17:48	247	18:38
2024	Dec	04	(Wed)	05:43	06:32	113	12:10	53S	17:48	247	18:38
2024	Dec	05	(Thu)	05:43	06:33	113	12:11	53S	17:48	247	18:38
2024	Dec	06	(Fri)	05:44	06:34	113	12:11	53S	17:49	247	18:39
2024	Dec	07	(Sat)	05:44	06:34	113	12:12	53S	17:49	247	18:39
2024	Dec	08	(Sun)	05:45	06:35	113	12:12	53S	17:49	247	18:39
2024	Dec	09	(Mon)	05:45	06:35	113	12:13	52S	17:50	246	18:40
2024	Dec	10	(Tue)	05:46	06:36	114	12:13	52S	17:50	246	18:40
2024	Dec	11	(Wed)	05:46	06:36	114	12:13	52S	17:50	246	18:40
2024	Dec	12	(Thu)	05:47	06:37	114	12:14	52S	17:51	246	18:41
2024	Dec	13	(Fri)	05:47	06:38	114	12:14	52S	17:51	246	18:41

2024	Dec	14	(Sat)	05:48	06:38	114	12:15	52S	17:52	246	18:42
2024	Dec	15	(Sun)	05:49	06:39	114	12:15	52S	17:52	246	18:42
2024	Dec	16	(Mon)	05:49	06:39	114	12:16	52S	17:52	246	18:43
2024	Dec	17	(Tue)	05:50	06:40	114	12:16	52S	17:53	246	18:43
2024	Dec	18	(Wed)	05:50	06:40	114	12:17	52S	17:53	246	18:43
2024	Dec	19	(Thu)	05:51	06:41	114	12:17	52S	17:54	246	18:44
2024	Dec	20	(Fri)	05:51	06:41	114	12:18	52S	17:54	246	18:44
2024	Dec	21	(Sat)	05:52	06:42	114	12:18	52S	17:55	246	18:45
2024	Dec	22	(Sun)	05:52	06:42	114	12:19	52S	17:55	246	18:45
2024	Dec	23	(Mon)	05:53	06:43	114	12:19	52S	17:56	246	18:46
2024	Dec	24	(Tue)	05:53	06:43	114	12:20	52S	17:56	246	18:46
2024	Dec	25	(Wed)	05:54	06:44	114	12:20	52S	17:57	246	18:47
2024	Dec	26	(Thu)	05:54	06:44	114	12:21	52S	17:57	246	18:48
2024	Dec	27	(Fri)	05:54	06:45	114	12:21	52S	17:58	246	18:48
2024	Dec	28	(Sat)	05:55	06:45	114	12:22	52S	17:58	246	18:49
2024	Dec	29	(Sun)	05:55	06:45	114	12:22	52S	17:59	246	18:49
2024	Dec	30	(Mon)	05:56	06:46	114	12:23	52S	18:00	246	18:50
2024	Dec	31	(Tue)	05:56	06:46	114	12:23	52S	18:00	246	18:50

Sun

Uthai Thani

Location: E 99°58'26.4", N15°25'01.1", 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)	06:23	06:46	114	12:23	52S	18:00	246	18:24
2024	Jan	02	(Tue)	06:23	06:47	114	12:24	52S	18:01	246	18:24
2024	Jan	03	(Wed)	06:24	06:47	114	12:24	52S	18:01	246	18:25
2024	Jan	04	(Thu)	06:24	06:47	113	12:25	53S	18:02	247	18:25
2024	Jan	05	(Fri)	06:25	06:48	113	12:25	53S	18:03	247	18:26
2024	Jan	06	(Sat)	06:25	06:48	113	12:26	53S	18:03	247	18:26
2024	Jan	07	(Sun)	06:25	06:48	113	12:26	53S	18:04	247	18:27
2024	Jan	08	(Mon)	06:25	06:49	113	12:26	53S	18:04	247	18:28
2024	Jan	09	(Tue)	06:26	06:49	113	12:27	53S	18:05	247	18:28
2024	Jan	10	(Wed)	06:26	06:49	113	12:27	53S	18:06	247	18:29
2024	Jan	11	(Thu)	06:26	06:49	113	12:28	53S	18:06	248	18:29
2024	Jan	12	(Fri)	06:26	06:50	112	12:28	54S	18:07	248	18:30
2024	Jan	13	(Sat)	06:27	06:50	112	12:29	54S	18:07	248	18:30
2024	Jan	14	(Sun)	06:27	06:50	112	12:29	54S	18:08	248	18:31
2024	Jan	15	(Mon)	06:27	06:50	112	12:29	54S	18:09	248	18:32
2024	Jan	16	(Tue)	06:27	06:50	112	12:30	54S	18:09	248	18:32
2024	Jan	17	(Wed)	06:27	06:50	111	12:30	54S	18:10	249	18:33
2024	Jan	18	(Thu)	06:28	06:50	111	12:30	55S	18:10	249	18:33
2024	Jan	19	(Fri)	06:28	06:50	111	12:31	55S	18:11	249	18:34
2024	Jan	20	(Sat)	06:28	06:51	111	12:31	55S	18:11	249	18:34
2024	Jan	21	(Sun)	06:28	06:51	111	12:31	55S	18:12	250	18:35
2024	Jan	22	(Mon)	06:28	06:51	110	12:31	56S	18:13	250	18:35
2024	Jan	23	(Tue)	06:28	06:51	110	12:32	56S	18:13	250	18:36
2024	Jan	24	(Wed)	06:28	06:51	110	12:32	56S	18:14	250	18:36
2024	Jan	25	(Thu)	06:28	06:50	110	12:32	56S	18:14	250	18:37
2024	Jan	26	(Fri)	06:28	06:50	109	12:32	56S	18:15	251	18:37
2024	Jan	27	(Sat)	06:28	06:50	109	12:33	57S	18:15	251	18:38
2024	Jan	28	(Sun)	06:28	06:50	109	12:33	57S	18:16	251	18:38
2024	Jan	29	(Mon)	06:28	06:50	109	12:33	57S	18:16	252	18:39
2024	Jan	30	(Tue)	06:27	06:50	108	12:33	57S	18:17	252	18:39
2024	Jan	31	(Wed)	06:27	06:50	108	12:33	58S	18:17	252	18:40
2024	Feb	01	(Thu)	06:27	06:50	108	12:34	58S	18:18	252	18:40
2024	Feb	02	(Fri)	06:27	06:49	107	12:34	58S	18:18	253	18:40
2024	Feb	03	(Sat)	06:27	06:49	107	12:34	59S	18:19	253	18:41
2024	Feb	04	(Sun)	06:27	06:49	107	12:34	59S	18:19	253	18:41
2024	Feb	05	(Mon)	06:26	06:49	107	12:34	59S	18:19	254	18:42
2024	Feb	06	(Tue)	06:26	06:48	106	12:34	60S	18:20	254	18:42
2024	Feb	07	(Wed)	06:26	06:48	106	12:34	60S	18:20	254	18:43
2024	Feb	08	(Thu)	06:26	06:48	106	12:34	60S	18:21	255	18:43
2024	Feb	09	(Fri)	06:25	06:48	105	12:34	60S	18:21	255	18:43
2024	Feb	10	(Sat)	06:25	06:47	105	12:34	61S	18:22	255	18:44

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

2024	Apr	23	(Tue)	05:39	06:01	77	12:18	88S	18:36	284	18:58
2024	Apr	24	(Wed)	05:38	06:00	76	12:18	88S	18:36	284	18:59
2024	Apr	25	(Thu)	05:37	06:00	76	12:18	89S	18:37	284	18:59
2024	Apr	26	(Fri)	05:37	05:59	76	12:18	89S	18:37	285	18:59
2024	Apr	27	(Sat)	05:36	05:59	75	12:18	89S	18:37	285	18:59
2024	Apr	28	(Sun)	05:36	05:58	75	12:18	90S	18:37	285	19:00
2024	Apr	29	(Mon)	05:35	05:57	75	12:17	90S	18:38	286	19:00
2024	Apr	30	(Tue)	05:35	05:57	74	12:17	90S	18:38	286	19:00
2024	May	01	(Wed)	05:34	05:57	74	12:17	91S	18:38	286	19:00
2024	May	02	(Thu)	05:34	05:56	74	12:17	91N	18:38	286	19:01
2024	May	03	(Fri)	05:33	05:56	73	12:17	90N	18:39	287	19:01
2024	May	04	(Sat)	05:33	05:55	73	12:17	90N	18:39	287	19:01
2024	May	05	(Sun)	05:32	05:55	73	12:17	90N	18:39	287	19:02
2024	May	06	(Mon)	05:32	05:54	73	12:17	89N	18:39	288	19:02
2024	May	07	(Tue)	05:31	05:54	72	12:17	89N	18:40	288	19:02
2024	May	08	(Wed)	05:31	05:53	72	12:17	89N	18:40	288	19:03
2024	May	09	(Thu)	05:30	05:53	72	12:17	89N	18:40	288	19:03
2024	May	10	(Fri)	05:30	05:53	71	12:17	88N	18:40	289	19:03
2024	May	11	(Sat)	05:30	05:52	71	12:16	88N	18:41	289	19:04
2024	May	12	(Sun)	05:29	05:52	71	12:16	88N	18:41	289	19:04
2024	May	13	(Mon)	05:29	05:52	71	12:16	88N	18:41	290	19:04
2024	May	14	(Tue)	05:29	05:51	70	12:16	87N	18:42	290	19:05
2024	May	15	(Wed)	05:28	05:51	70	12:16	87N	18:42	290	19:05
2024	May	16	(Thu)	05:28	05:51	70	12:16	87N	18:42	290	19:05
2024	May	17	(Fri)	05:28	05:51	70	12:17	87N	18:43	291	19:06
2024	May	18	(Sat)	05:27	05:50	69	12:17	86N	18:43	291	19:06
2024	May	19	(Sun)	05:27	05:50	69	12:17	86N	18:43	291	19:06
2024	May	20	(Mon)	05:27	05:50	69	12:17	86N	18:44	291	19:07
2024	May	21	(Tue)	05:27	05:50	69	12:17	86N	18:44	291	19:07
2024	May	22	(Wed)	05:26	05:50	69	12:17	86N	18:44	292	19:07
2024	May	23	(Thu)	05:26	05:49	68	12:17	85N	18:45	292	19:08
2024	May	24	(Fri)	05:26	05:49	68	12:17	85N	18:45	292	19:08
2024	May	25	(Sat)	05:26	05:49	68	12:17	85N	18:45	292	19:09
2024	May	26	(Sun)	05:26	05:49	68	12:17	85N	18:46	292	19:09
2024	May	27	(Mon)	05:25	05:49	68	12:17	85N	18:46	293	19:09
2024	May	28	(Tue)	05:25	05:49	67	12:17	85N	18:46	293	19:10
2024	May	29	(Wed)	05:25	05:49	67	12:18	84N	18:47	293	19:10
2024	May	30	(Thu)	05:25	05:49	67	12:18	84N	18:47	293	19:10
2024	May	31	(Fri)	05:25	05:49	67	12:18	84N	18:47	293	19:11
2024	Jun	01	(Sat)	05:25	05:49	67	12:18	84N	18:48	293	19:11
2024	Jun	02	(Sun)	05:25	05:49	67	12:18	84N	18:48	293	19:11
2024	Jun	03	(Mon)	05:25	05:49	67	12:18	84N	18:48	294	19:12
2024	Jun	04	(Tue)	05:25	05:49	66	12:18	84N	18:49	294	19:12
2024	Jun	05	(Wed)	05:25	05:49	66	12:19	84N	18:49	294	19:12
2024	Jun	06	(Thu)	05:25	05:49	66	12:19	83N	18:49	294	19:13
2024	Jun	07	(Fri)	05:25	05:49	66	12:19	83N	18:50	294	19:13
2024	Jun	08	(Sat)	05:25	05:49	66	12:19	83N	18:50	294	19:13
2024	Jun	09	(Sun)	05:25	05:49	66	12:19	83N	18:50	294	19:14
2024	Jun	10	(Mon)	05:25	05:49	66	12:20	83N	18:50	294	19:14
2024	Jun	11	(Tue)	05:25	05:49	66	12:20	83N	18:51	294	19:14
2024	Jun	12	(Wed)	05:25	05:49	66	12:20	83N	18:51	294	19:15
2024	Jun	13	(Thu)	05:26	05:49	66	12:20	83N	18:51	294	19:15
2024	Jun	14	(Fri)	05:26	05:49	66	12:20	83N	18:52	294	19:15
2024	Jun	15	(Sat)	05:26	05:50	66	12:21	83N	18:52	295	19:16
2024	Jun	16	(Sun)	05:26	05:50	65	12:21	83N	18:52	295	19:16
2024	Jun	17	(Mon)	05:26	05:50	65	12:21	83N	18:52	295	19:16
2024	Jun	18	(Tue)	05:26	05:50	65	12:21	83N	18:53	295	19:16
2024	Jun	19	(Wed)	05:26	05:50	65	12:22	83N	18:53	295	19:17
2024	Jun	20	(Thu)	05:27	05:50	65	12:22	83N	18:53	295	19:17
2024	Jun	21	(Fri)	05:27	05:51	65	12:22	83N	18:53	295	19:17
2024	Jun	22	(Sat)	05:27	05:51	65	12:22	83N	18:53	295	19:17
2024	Jun	23	(Sun)	05:27	05:51	65	12:22	83N	18:54	295	19:17
2024	Jun	24	(Mon)	05:28	05:51	65	12:23	83N	18:54	295	19:18
2024	Jun	25	(Tue)	05:28	05:52	65	12:23	83N	18:54	295	19:18
2024	Jun	26	(Wed)	05:28	05:52	65	12:23	83N	18:54	295	19:18
2024	Jun	27	(Thu)	05:28	05:52	66	12:23	83N	18:54	294	19:18
2024	Jun	28	(Fri)	05:29	05:52	66	12:23	83N	18:54	294	19:18
2024	Jun	29	(Sat)	05:29	05:53	66	12:24	83N	18:55	294	19:18
2024	Jun	30	(Sun)	05:29	05:53	66	12:24	83N	18:55	294	19:18
2024	Jul	01	(Mon)	05:30	05:53	66	12:24	83N	18:55	294	19:18
2024	Jul	02	(Tue)	05:30	05:54	66	12:24	83N	18:55	294	19:19
2024	Jul	03	(Wed)	05:30	05:54	66	12:24	83N	18:55	294	19:19

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

2024	Sep	14	(Sat)	05:47	06:09	86	12:16	79S	18:22	273	18:44
2024	Sep	15	(Sun)	05:47	06:09	87	12:15	78S	18:22	273	18:43
2024	Sep	16	(Mon)	05:47	06:09	87	12:15	78S	18:21	273	18:42
2024	Sep	17	(Tue)	05:47	06:09	88	12:15	77S	18:20	272	18:42
2024	Sep	18	(Wed)	05:47	06:09	88	12:14	77S	18:19	272	18:41
2024	Sep	19	(Thu)	05:47	06:09	88	12:14	77S	18:18	271	18:40
2024	Sep	20	(Fri)	05:48	06:09	89	12:13	76S	18:18	271	18:39
2024	Sep	21	(Sat)	05:48	06:09	89	12:13	76S	18:17	271	18:38
2024	Sep	22	(Sun)	05:48	06:09	90	12:13	75S	18:16	270	18:38
2024	Sep	23	(Mon)	05:48	06:09	90	12:12	75S	18:15	270	18:37
2024	Sep	24	(Tue)	05:48	06:09	90	12:12	75S	18:15	269	18:36
2024	Sep	25	(Wed)	05:48	06:09	91	12:12	74S	18:14	269	18:35
2024	Sep	26	(Thu)	05:48	06:09	91	12:11	74S	18:13	269	18:34
2024	Sep	27	(Fri)	05:48	06:10	92	12:11	73S	18:12	268	18:34
2024	Sep	28	(Sat)	05:48	06:10	92	12:11	73S	18:11	268	18:33
2024	Sep	29	(Sun)	05:48	06:10	92	12:10	73S	18:11	267	18:32
2024	Sep	30	(Mon)	05:48	06:10	93	12:10	72S	18:10	267	18:31
2024	Oct	01	(Tue)	05:48	06:10	93	12:10	72S	18:09	267	18:31
2024	Oct	02	(Wed)	05:49	06:10	94	12:09	72S	18:08	266	18:30
2024	Oct	03	(Thu)	05:49	06:10	94	12:09	71S	18:08	266	18:29
2024	Oct	04	(Fri)	05:49	06:10	94	12:09	71S	18:07	265	18:28
2024	Oct	05	(Sat)	05:49	06:10	95	12:08	70S	18:06	265	18:28
2024	Oct	06	(Sun)	05:49	06:11	95	12:08	70S	18:06	265	18:27
2024	Oct	07	(Mon)	05:49	06:11	96	12:08	70S	18:05	264	18:26
2024	Oct	08	(Tue)	05:49	06:11	96	12:08	69S	18:04	264	18:26
2024	Oct	09	(Wed)	05:49	06:11	96	12:07	69S	18:03	263	18:25
2024	Oct	10	(Thu)	05:50	06:11	97	12:07	68S	18:03	263	18:24
2024	Oct	11	(Fri)	05:50	06:11	97	12:07	68S	18:02	263	18:24
2024	Oct	12	(Sat)	05:50	06:11	98	12:07	68S	18:01	262	18:23
2024	Oct	13	(Sun)	05:50	06:12	98	12:06	67S	18:01	262	18:22
2024	Oct	14	(Mon)	05:50	06:12	98	12:06	67S	18:00	261	18:22
2024	Oct	15	(Tue)	05:50	06:12	99	12:06	67S	17:59	261	18:21
2024	Oct	16	(Wed)	05:50	06:12	99	12:06	66S	17:59	261	18:21
2024	Oct	17	(Thu)	05:51	06:12	99	12:05	66S	17:58	260	18:20
2024	Oct	18	(Fri)	05:51	06:13	100	12:05	65S	17:58	260	18:19
2024	Oct	19	(Sat)	05:51	06:13	100	12:05	65S	17:57	260	18:19
2024	Oct	20	(Sun)	05:51	06:13	101	12:05	65S	17:56	259	18:18
2024	Oct	21	(Mon)	05:51	06:13	101	12:05	64S	17:56	259	18:18
2024	Oct	22	(Tue)	05:52	06:13	101	12:05	64S	17:55	258	18:17
2024	Oct	23	(Wed)	05:52	06:14	102	12:04	64S	17:55	258	18:17
2024	Oct	24	(Thu)	05:52	06:14	102	12:04	63S	17:54	258	18:16
2024	Oct	25	(Fri)	05:52	06:14	102	12:04	63S	17:54	257	18:16
2024	Oct	26	(Sat)	05:53	06:15	103	12:04	63S	17:53	257	18:15
2024	Oct	27	(Sun)	05:53	06:15	103	12:04	62S	17:53	257	18:15
2024	Oct	28	(Mon)	05:53	06:15	103	12:04	62S	17:52	256	18:14
2024	Oct	29	(Tue)	05:53	06:15	104	12:04	62S	17:52	256	18:14
2024	Oct	30	(Wed)	05:54	06:16	104	12:04	61S	17:52	256	18:14
2024	Oct	31	(Thu)	05:54	06:16	104	12:04	61S	17:51	255	18:13
2024	Nov	01	(Fri)	05:54	06:16	105	12:04	61S	17:51	255	18:13
2024	Nov	02	(Sat)	05:55	06:17	105	12:04	60S	17:50	255	18:12
2024	Nov	03	(Sun)	05:55	06:17	105	12:04	60S	17:50	254	18:12
2024	Nov	04	(Mon)	05:55	06:18	106	12:04	60S	17:50	254	18:12
2024	Nov	05	(Tue)	05:56	06:18	106	12:04	59S	17:49	254	18:12
2024	Nov	06	(Wed)	05:56	06:18	106	12:04	59S	17:49	253	18:11
2024	Nov	07	(Thu)	05:56	06:19	107	12:04	59S	17:49	253	18:11
2024	Nov	08	(Fri)	05:57	06:19	107	12:04	59S	17:48	253	18:11
2024	Nov	09	(Sat)	05:57	06:20	107	12:04	58S	17:48	253	18:11
2024	Nov	10	(Sun)	05:58	06:20	108	12:04	58S	17:48	252	18:10
2024	Nov	11	(Mon)	05:58	06:20	108	12:04	58S	17:48	252	18:10
2024	Nov	12	(Tue)	05:58	06:21	108	12:04	57S	17:48	252	18:10
2024	Nov	13	(Wed)	05:59	06:21	108	12:04	57S	17:47	251	18:10
2024	Nov	14	(Thu)	05:59	06:22	109	12:05	57S	17:47	251	18:10
2024	Nov	15	(Fri)	06:00	06:22	109	12:05	57S	17:47	251	18:10
2024	Nov	16	(Sat)	06:00	06:23	109	12:05	56S	17:47	251	18:10
2024	Nov	17	(Sun)	06:01	06:23	110	12:05	56S	17:47	250	18:09
2024	Nov	18	(Mon)	06:01	06:24	110	12:05	56S	17:47	250	18:09
2024	Nov	19	(Tue)	06:02	06:24	110	12:06	56S	17:47	250	18:09
2024	Nov	20	(Wed)	06:02	06:25	110	12:06	55S	17:47	250	18:09
2024	Nov	21	(Thu)	06:02	06:25	110	12:06	55S	17:47	249	18:09
2024	Nov	22	(Fri)	06:03	06:26	111	12:06	55S	17:47	249	18:09
2024	Nov	23	(Sat)	06:03	06:26	111	12:07	55S	17:47	249	18:10
2024	Nov	24	(Sun)	06:04	06:27	111	12:07	55S	17:47	249	18:10

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

Moon

Uthai Thani

Location: E 99°58'26.4", N15°25'01.1", 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)	22:32		80	04:11		88S	10:35		282
2024	Jan	02	(Tue)	23:17		86	04:52		83S	11:08		277
2024	Jan	03	(Wed)				05:31		77S	11:41		271
2024	Jan	04	(Thu)	00:03		92	06:10		71S	12:14		265
2024	Jan	05	(Fri)	00:50		98	06:50		66S	12:48		259
2024	Jan	06	(Sat)	01:38		104	07:33		60S	13:25		253
2024	Jan	07	(Sun)	02:31		109	08:20		55S	14:07		248
2024	Jan	08	(Mon)	03:27		114	09:12		51S	14:54		244
2024	Jan	09	(Tue)	04:27		118	10:09		48S	15:49		241
2024	Jan	10	(Wed)	05:31		119	11:10		46S	16:50		241
2024	Jan	11	(Thu)	06:34		119	12:14		47S	17:56		242
2024	Jan	12	(Fri)	07:34		116	13:17		50S	19:03		245
2024	Jan	13	(Sat)	08:28		112	14:17		55S	20:08		251
2024	Jan	14	(Sun)	09:17		106	15:12		61S	21:10		257
2024	Jan	15	(Mon)	10:01		99	16:03		68S	22:09		264
2024	Jan	16	(Tue)	10:43		92	16:52		75S	23:05		272
2024	Jan	17	(Wed)	11:23		85	17:40		82S			
2024	Jan	18	(Thu)	12:03		78	18:28		88S	00:01		279
2024	Jan	19	(Fri)	12:45		72	19:17		87N	00:57		285
2024	Jan	20	(Sat)	13:30		67	20:09		83N	01:53		291
2024	Jan	21	(Sun)	14:18		63	21:03		80N	02:51		295
2024	Jan	22	(Mon)	15:10		61	21:58		78N	03:49		298
2024	Jan	23	(Tue)	16:05		61	22:53		78N	04:46		299

2024	Jan	24	(Wed)	17:00	62	23:46	79N	05:41	299
2024	Jan	25	(Thu)	17:55	65			06:31	297
2024	Jan	26	(Fri)	18:48	68	00:37	82N	07:16	294
2024	Jan	27	(Sat)	19:38	73	01:24	86N	07:57	289
2024	Jan	28	(Sun)	20:26	78	02:08	90S	08:33	284
2024	Jan	29	(Mon)	21:12	84	02:49	85S	09:08	279
2024	Jan	30	(Tue)	21:58	90	03:28	79S	09:40	273
2024	Jan	31	(Wed)	22:43	96	04:07	73S	10:13	267
2024	Feb	01	(Thu)	23:30	102	04:46	68S	10:46	261
2024	Feb	02	(Fri)			05:27	62S	11:21	255
2024	Feb	03	(Sat)	00:20	108	06:11	57S	12:00	250
2024	Feb	04	(Sun)	01:13	112	06:59	52S	12:43	246
2024	Feb	05	(Mon)	02:10	116	07:52	49S	13:33	242
2024	Feb	06	(Tue)	03:11	119	08:50	47S	14:29	241
2024	Feb	07	(Wed)	04:13	119	09:52	46S	15:32	241
2024	Feb	08	(Thu)	05:14	118	10:56	48S	16:39	243
2024	Feb	09	(Fri)	06:12	114	11:57	52S	17:46	248
2024	Feb	10	(Sat)	07:04	109	12:56	58S	18:51	254
2024	Feb	11	(Sun)	07:52	102	13:51	65S	19:53	261
2024	Feb	12	(Mon)	08:36	95	14:42	72S	20:53	269
2024	Feb	13	(Tue)	09:18	88	15:32	79S	21:51	276
2024	Feb	14	(Wed)	10:00	80	16:22	86S	22:49	283
2024	Feb	15	(Thu)	10:42	74	17:13	89N	23:47	289
2024	Feb	16	(Fri)	11:27	68	18:05	84N		
2024	Feb	17	(Sat)	12:15	64	18:58	80N	00:46	294
2024	Feb	18	(Sun)	13:06	61	19:54	78N	01:44	298
2024	Feb	19	(Mon)	14:00	60	20:49	78N	02:42	299
2024	Feb	20	(Tue)	14:55	61	21:42	79N	03:37	299
2024	Feb	21	(Wed)	15:50	63	22:33	81N	04:28	298
2024	Feb	22	(Thu)	16:43	67	23:21	85N	05:14	295
2024	Feb	23	(Fri)	17:34	71			05:56	291
2024	Feb	24	(Sat)	18:22	77	00:05	89N	06:34	286
2024	Feb	25	(Sun)	19:09	82	00:47	87S	07:08	280
2024	Feb	26	(Mon)	19:55	88	01:27	81S	07:42	275
2024	Feb	27	(Tue)	20:40	94	02:06	75S	08:14	269
2024	Feb	28	(Wed)	21:26	100	02:45	69S	08:46	263
2024	Feb	29	(Thu)	22:15	106	03:25	64S	09:20	257
2024	Mar	01	(Fri)	23:06	111	04:07	58S	09:57	252
2024	Mar	02	(Sat)	24:00	115	04:53	54S	10:38	247
2024	Mar	03	(Sun)			05:43	50S	11:24	243
2024	Mar	04	(Mon)	00:57	118	06:37	47S	12:16	241
2024	Mar	05	(Tue)	01:57	120	07:36	46S	13:14	240
2024	Mar	06	(Wed)	02:57	119	08:36	47S	14:17	242
2024	Mar	07	(Thu)	03:55	117	09:37	50S	15:22	245
2024	Mar	08	(Fri)	04:49	112	10:37	55S	16:28	250
2024	Mar	09	(Sat)	05:38	106	11:33	61S	17:31	257
2024	Mar	10	(Sun)	06:24	99	12:26	68S	18:33	265
2024	Mar	11	(Mon)	07:08	91	13:18	76S	19:33	272
2024	Mar	12	(Tue)	07:50	84	14:09	83S	20:33	280
2024	Mar	13	(Wed)	08:34	77	15:01	90S	21:33	287
2024	Mar	14	(Thu)	09:19	70	15:55	86N	22:34	293
2024	Mar	15	(Fri)	10:08	65	16:50	81N	23:35	297
2024	Mar	16	(Sat)	10:59	62	17:46	78N		
2024	Mar	17	(Sun)	11:54	60	18:43	77N	00:35	299
2024	Mar	18	(Mon)	12:50	61	19:38	78N	01:32	300
2024	Mar	19	(Tue)	13:45	62	20:30	80N	02:25	299
2024	Mar	20	(Wed)	14:39	66	21:19	83N	03:13	296
2024	Mar	21	(Thu)	15:30	70	22:04	88N	03:56	292
2024	Mar	22	(Fri)	16:19	75	22:46	89S	04:34	288
2024	Mar	23	(Sat)	17:06	80	23:27	83S	05:10	282
2024	Mar	24	(Sun)	17:52	86			05:43	277
2024	Mar	25	(Mon)	18:38	92	00:06	77S	06:16	271
2024	Mar	26	(Tue)	19:24	98	00:45	71S	06:48	265
2024	Mar	27	(Wed)	20:11	104	01:24	65S	07:22	259
2024	Mar	28	(Thu)	21:02	109	02:06	60S	07:58	253
2024	Mar	29	(Fri)	21:55	114	02:51	55S	08:37	248
2024	Mar	30	(Sat)	22:51	117	03:39	51S	09:21	244
2024	Mar	31	(Sun)	23:49	119	04:31	48S	10:10	241
2024	Apr	01	(Mon)			05:27	46S	11:05	240
2024	Apr	02	(Tue)	00:47	120	06:25	46S	12:04	241
2024	Apr	03	(Wed)	01:44	118	07:24	48S	13:07	243
2024	Apr	04	(Thu)	02:37	115	08:22	52S	14:10	248

2024 Apr 05 (Fri)	03:27 109	09:18 58S	15:12 254
2024 Apr 06 (Sat)	04:13 103	10:11 64S	16:13 261
2024 Apr 07 (Sun)	04:56 96	11:02 71S	17:12 268
2024 Apr 08 (Mon)	05:39 88	11:53 79S	18:12 276
2024 Apr 09 (Tue)	06:22 80	12:45 86S	19:13 283
2024 Apr 10 (Wed)	07:07 73	13:39 88N	20:15 290
2024 Apr 11 (Thu)	07:55 68	14:35 83N	21:18 295
2024 Apr 12 (Fri)	08:47 63	15:33 79N	22:20 298
2024 Apr 13 (Sat)	09:42 61	16:31 78N	23:21 300
2024 Apr 14 (Sun)	10:39 60	17:29 78N	
2024 Apr 15 (Mon)	11:37 62	18:24 79N	00:17 299
2024 Apr 16 (Tue)	12:32 64	19:14 82N	01:08 297
2024 Apr 17 (Wed)	13:25 68	20:01 86N	01:54 294
2024 Apr 18 (Thu)	14:15 73	20:45 90S	02:34 289
2024 Apr 19 (Fri)	15:03 78	21:25 85S	03:10 284
2024 Apr 20 (Sat)	15:49 84	22:05 79S	03:44 279
2024 Apr 21 (Sun)	16:34 90	22:43 73S	04:17 273
2024 Apr 22 (Mon)	17:20 96	23:23 67S	04:49 267
2024 Apr 23 (Tue)	18:08 102		05:23 261
2024 Apr 24 (Wed)	18:57 108	00:04 62S	05:58 255
2024 Apr 25 (Thu)	19:50 113	00:48 57S	06:36 250
2024 Apr 26 (Fri)	20:46 116	01:36 52S	07:19 245
2024 Apr 27 (Sat)	21:43 119	02:27 49S	08:07 242
2024 Apr 28 (Sun)	22:42 120	03:22 47S	09:00 240
2024 Apr 29 (Mon)	23:39 119	04:20 46S	09:58 241
2024 Apr 30 (Tue)		05:18 48S	10:59 242
2024 May 01 (Wed)	00:32 116	06:15 51S	12:01 246
2024 May 02 (Thu)	01:22 111	07:10 55S	13:01 251
2024 May 03 (Fri)	02:07 106	08:02 61S	14:00 258
2024 May 04 (Sat)	02:50 99	08:52 68S	14:58 265
2024 May 05 (Sun)	03:31 91	09:41 76S	15:56 272
2024 May 06 (Mon)	04:13 84	10:31 83S	16:54 280
2024 May 07 (Tue)	04:56 77	11:23 90S	17:55 287
2024 May 08 (Wed)	05:42 70	12:18 86N	18:57 292
2024 May 09 (Thu)	06:32 65	13:15 81N	20:01 297
2024 May 10 (Fri)	07:27 62	14:15 78N	21:04 299
2024 May 11 (Sat)	08:24 60	15:14 77N	22:04 300
2024 May 12 (Sun)	09:23 61	16:12 78N	22:59 298
2024 May 13 (Mon)	10:21 63	17:06 81N	23:48 295
2024 May 14 (Tue)	11:17 67	17:55 85N	
2024 May 15 (Wed)	12:08 71	18:40 89N	00:30 291
2024 May 16 (Thu)	12:57 76	19:22 87S	01:09 286
2024 May 17 (Fri)	13:44 82	20:02 81S	01:44 281
2024 May 18 (Sat)	14:30 88	20:41 76S	02:17 275
2024 May 19 (Sun)	15:15 94	21:20 70S	02:49 269
2024 May 20 (Mon)	16:02 100	22:01 64S	03:22 263
2024 May 21 (Tue)	16:51 106	22:44 58S	03:56 257
2024 May 22 (Wed)	17:43 111	23:30 54S	04:34 252
2024 May 23 (Thu)	18:38 115		05:15 247
2024 May 24 (Fri)	19:36 118	00:21 50S	06:02 243
2024 May 25 (Sat)	20:35 120	01:16 47S	06:55 241
2024 May 26 (Sun)	21:34 119	02:14 46S	07:52 240
2024 May 27 (Mon)	22:29 117	03:13 47S	08:53 242
2024 May 28 (Tue)	23:20 113	04:11 50S	09:55 245
2024 May 29 (Wed)		05:06 54S	10:56 250
2024 May 30 (Thu)	00:06 107	05:58 60S	11:54 256
2024 May 31 (Fri)	00:48 101	06:48 66S	12:51 263
2024 Jun 01 (Sat)	01:29 94	07:36 73S	13:47 270
2024 Jun 02 (Sun)	02:09 87	08:24 80S	14:43 277
2024 Jun 03 (Mon)	02:50 80	09:13 87S	15:41 284
2024 Jun 04 (Tue)	03:33 73	10:05 88N	16:41 290
2024 Jun 05 (Wed)	04:21 67	11:00 83N	17:43 295
2024 Jun 06 (Thu)	05:13 63	11:59 79N	18:47 298
2024 Jun 07 (Fri)	06:09 61	12:58 78N	19:48 299
2024 Jun 08 (Sat)	07:08 61	13:58 78N	20:46 299
2024 Jun 09 (Sun)	08:07 62	14:54 80N	21:38 296
2024 Jun 10 (Mon)	09:05 65	15:46 83N	22:24 293
2024 Jun 11 (Tue)	09:59 69	16:34 87N	23:05 288
2024 Jun 12 (Wed)	10:50 74	17:17 89S	23:42 283
2024 Jun 13 (Thu)	11:37 80	17:58 83S	
2024 Jun 14 (Fri)	12:24 86	18:37 78S	00:15 277
2024 Jun 15 (Sat)	13:09 92	19:16 72S	00:48 271

2024 Jun 16 (Sun)	13:55 98	19:56 66S	01:20 265
2024 Jun 17 (Mon)	14:43 104	20:38 60S	01:54 259
2024 Jun 18 (Tue)	15:33 109	21:23 55S	02:30 254
2024 Jun 19 (Wed)	16:27 114	22:12 51S	03:10 249
2024 Jun 20 (Thu)	17:24 117	23:05 48S	03:54 245
2024 Jun 21 (Fri)	18:24 119		04:45 242
2024 Jun 22 (Sat)	19:24 119	00:03 46S	05:42 240
2024 Jun 23 (Sun)	20:22 118	01:03 47S	06:43 241
2024 Jun 24 (Mon)	21:15 114	02:03 49S	07:46 244
2024 Jun 25 (Tue)	22:04 109	03:01 53S	08:49 248
2024 Jun 26 (Wed)	22:48 103	03:55 58S	09:49 254
2024 Jun 27 (Thu)	23:29 96	04:46 64S	10:47 261
2024 Jun 28 (Fri)		05:34 71S	11:43 268
2024 Jun 29 (Sat)	00:09 89	06:22 78S	12:39 275
2024 Jun 30 (Sun)	00:49 82	07:10 85S	13:35 282
2024 Jul 01 (Mon)	01:31 75	08:00 90N	14:33 288
2024 Jul 02 (Tue)	02:15 69	08:52 85N	15:33 293
2024 Jul 03 (Wed)	03:05 65	09:48 81N	16:34 297
2024 Jul 04 (Thu)	03:58 62	10:46 78N	17:36 299
2024 Jul 05 (Fri)	04:56 61	11:45 78N	18:35 299
2024 Jul 06 (Sat)	05:55 61	12:43 79N	19:29 298
2024 Jul 07 (Sun)	06:53 64	13:36 82N	20:17 294
2024 Jul 08 (Mon)	07:49 68	14:26 86N	21:00 290
2024 Jul 09 (Tue)	08:41 72	15:11 90N	21:38 285
2024 Jul 10 (Wed)	09:30 78	15:54 86S	22:14 279
2024 Jul 11 (Thu)	10:17 84	16:34 80S	22:47 273
2024 Jul 12 (Fri)	11:03 90	17:12 74S	23:19 267
2024 Jul 13 (Sat)	11:48 96	17:51 68S	23:52 261
2024 Jul 14 (Sun)	12:35 102	18:32 62S	
2024 Jul 15 (Mon)	13:23 107	19:15 57S	00:26 256
2024 Jul 16 (Tue)	14:15 112	20:01 53S	01:03 251
2024 Jul 17 (Wed)	15:10 116	20:53 49S	01:45 246
2024 Jul 18 (Thu)	16:09 119	21:48 47S	02:33 243
2024 Jul 19 (Fri)	17:09 120	22:48 46S	03:27 241
2024 Jul 20 (Sat)	18:09 119	23:49 48S	04:27 241
2024 Jul 21 (Sun)	19:05 116		05:30 242
2024 Jul 22 (Mon)	19:57 111	00:49 51S	06:35 246
2024 Jul 23 (Tue)	20:44 105	01:46 56S	07:38 252
2024 Jul 24 (Wed)	21:27 98	02:39 62S	08:38 258
2024 Jul 25 (Thu)	22:08 91	03:30 69S	09:37 266
2024 Jul 26 (Fri)	22:48 83	04:19 76S	10:34 273
2024 Jul 27 (Sat)	23:30 77	05:07 83S	11:30 280
2024 Jul 28 (Sun)		05:57 90S	12:28 287
2024 Jul 29 (Mon)	00:14 71	06:49 86N	13:27 292
2024 Jul 30 (Tue)	01:01 66	07:43 81N	14:28 296
2024 Jul 31 (Wed)	01:53 62	08:40 79N	15:28 299
2024 Aug 01 (Thu)	02:48 61	09:38 77N	16:27 300
2024 Aug 02 (Fri)	03:46 61	10:35 78N	17:22 298
2024 Aug 03 (Sat)	04:44 63	11:29 80N	18:12 296
2024 Aug 04 (Sun)	05:40 66	12:20 84N	18:56 292
2024 Aug 05 (Mon)	06:33 70	13:07 89N	19:36 287
2024 Aug 06 (Tue)	07:24 76	13:50 88S	20:12 281
2024 Aug 07 (Wed)	08:11 82	14:30 82S	20:46 275
2024 Aug 08 (Thu)	08:57 88	15:10 76S	21:18 269
2024 Aug 09 (Fri)	09:43 94	15:48 70S	21:51 264
2024 Aug 10 (Sat)	10:29 99	16:28 64S	22:24 258
2024 Aug 11 (Sun)	11:16 105	17:09 59S	23:00 252
2024 Aug 12 (Mon)	12:05 110	17:53 54S	23:39 248
2024 Aug 13 (Tue)	12:58 115	18:42 50S	
2024 Aug 14 (Wed)	13:54 118	19:34 47S	00:23 244
2024 Aug 15 (Thu)	14:53 120	20:31 46S	01:13 241
2024 Aug 16 (Fri)	15:52 120	21:31 47S	02:10 240
2024 Aug 17 (Sat)	16:50 118	22:31 49S	03:11 241
2024 Aug 18 (Sun)	17:44 114	23:30 53S	04:15 244
2024 Aug 19 (Mon)	18:34 108		05:19 249
2024 Aug 20 (Tue)	19:19 101	00:26 59S	06:22 255
2024 Aug 21 (Wed)	20:02 94	01:19 66S	07:23 262
2024 Aug 22 (Thu)	20:44 86	02:10 73S	08:22 270
2024 Aug 23 (Fri)	21:27 79	03:01 81S	09:21 278
2024 Aug 24 (Sat)	22:11 72	03:51 88S	10:20 285
2024 Aug 25 (Sun)	22:58 67	04:44 87N	11:20 291
2024 Aug 26 (Mon)	23:49 63	05:38 82N	12:22 296

2024 Aug 27 (Tue)		06:35 79N	13:23 299
2024 Aug 28 (Wed)	00:44 61	07:33 77N	14:23 300
2024 Aug 29 (Thu)	01:41 60	08:30 78N	15:18 299
2024 Aug 30 (Fri)	02:38 62	09:25 79N	16:09 297
2024 Aug 31 (Sat)	03:35 65	10:16 83N	16:55 293
2024 Sep 01 (Sun)	04:28 69	11:04 87N	17:36 289
2024 Sep 02 (Mon)	05:19 74	11:48 89S	18:12 283
2024 Sep 03 (Tue)	06:07 79	12:29 84S	18:47 277
2024 Sep 04 (Wed)	06:54 85	13:08 78S	19:19 272
2024 Sep 05 (Thu)	07:39 92	13:47 72S	19:51 266
2024 Sep 06 (Fri)	08:25 98	14:26 66S	20:24 260
2024 Sep 07 (Sat)	09:11 103	15:06 61S	20:59 254
2024 Sep 08 (Sun)	09:59 109	15:49 56S	21:36 249
2024 Sep 09 (Mon)	10:50 113	16:35 52S	22:18 245
2024 Sep 10 (Tue)	11:44 117	17:25 48S	23:04 242
2024 Sep 11 (Wed)	12:41 119	18:19 46S	23:57 240
2024 Sep 12 (Thu)	13:38 120	19:16 46S	
2024 Sep 13 (Fri)	14:35 119	20:15 47S	00:54 240
2024 Sep 14 (Sat)	15:30 116	21:13 51S	01:56 242
2024 Sep 15 (Sun)	16:20 111	22:09 56S	02:59 246
2024 Sep 16 (Mon)	17:08 105	23:03 62S	04:01 252
2024 Sep 17 (Tue)	17:52 98	23:56 69S	05:03 258
2024 Sep 18 (Wed)	18:35 90		06:04 266
2024 Sep 19 (Thu)	19:18 82	00:47 77S	07:04 274
2024 Sep 20 (Fri)	20:03 75	01:39 85S	08:05 282
2024 Sep 21 (Sat)	20:50 69	02:32 90N	09:07 288
2024 Sep 22 (Sun)	21:42 64	03:28 84N	10:10 294
2024 Sep 23 (Mon)	22:37 61	04:26 80N	11:13 298
2024 Sep 24 (Tue)	23:34 60	05:26 78N	12:16 300
2024 Sep 25 (Wed)		06:24 77N	13:14 300
2024 Sep 26 (Thu)	00:33 61	07:21 79N	14:07 298
2024 Sep 27 (Fri)	01:30 64	08:13 81N	14:54 295
2024 Sep 28 (Sat)	02:24 67	09:02 85N	15:36 290
2024 Sep 29 (Sun)	03:16 72	09:47 90N	16:14 285
2024 Sep 30 (Mon)	04:05 78	10:28 86S	16:48 279
2024 Oct 01 (Tue)	04:51 83	11:08 80S	17:21 274
2024 Oct 02 (Wed)	05:37 90	11:47 74S	17:53 267
2024 Oct 03 (Thu)	06:22 96	12:25 68S	18:26 262
2024 Oct 04 (Fri)	07:08 101	13:05 63S	19:00 256
2024 Oct 05 (Sat)	07:56 107	13:47 57S	19:36 251
2024 Oct 06 (Sun)	08:46 112	14:32 53S	20:16 246
2024 Oct 07 (Mon)	09:39 116	15:20 49S	21:00 243
2024 Oct 08 (Tue)	10:34 119	16:12 47S	21:50 241
2024 Oct 09 (Wed)	11:30 120	17:07 46S	22:45 240
2024 Oct 10 (Thu)	12:26 119	18:04 47S	23:43 241
2024 Oct 11 (Fri)	13:19 117	19:00 49S	
2024 Oct 12 (Sat)	14:10 113	19:55 53S	00:43 244
2024 Oct 13 (Sun)	14:57 108	20:49 59S	01:44 249
2024 Oct 14 (Mon)	15:41 101	21:40 65S	02:44 255
2024 Oct 15 (Tue)	16:24 94	22:31 73S	03:44 262
2024 Oct 16 (Wed)	17:06 86	23:23 81S	04:43 270
2024 Oct 17 (Thu)	17:50 79		05:43 278
2024 Oct 18 (Fri)	18:37 72	00:16 88S	06:45 285
2024 Oct 19 (Sat)	19:28 66	01:11 87N	07:50 291
2024 Oct 20 (Sun)	20:23 62	02:10 82N	08:55 296
2024 Oct 21 (Mon)	21:22 60	03:11 79N	10:01 299
2024 Oct 22 (Tue)	22:23 61	04:13 77N	11:03 300
2024 Oct 23 (Wed)	23:22 63	05:12 78N	12:00 299
2024 Oct 24 (Thu)		06:08 80N	12:51 296
2024 Oct 25 (Fri)	00:19 66	06:58 84N	13:35 292
2024 Oct 26 (Sat)	01:12 71	07:45 89N	14:14 287
2024 Oct 27 (Sun)	02:01 76	08:27 88S	14:50 281
2024 Oct 28 (Mon)	02:49 82	09:07 82S	15:23 275
2024 Oct 29 (Tue)	03:34 88	09:46 76S	15:55 269
2024 Oct 30 (Wed)	04:20 94	10:25 70S	16:27 263
2024 Oct 31 (Thu)	05:05 100	11:05 64S	17:01 258
2024 Nov 01 (Fri)	05:53 105	11:46 59S	17:36 252
2024 Nov 02 (Sat)	06:42 110	12:30 54S	18:15 248
2024 Nov 03 (Sun)	07:34 115	13:18 50S	18:59 244
2024 Nov 04 (Mon)	08:29 118	14:09 48S	19:47 241
2024 Nov 05 (Tue)	09:25 119	15:03 46S	20:40 240
2024 Nov 06 (Wed)	10:21 120	15:58 46S	21:37 241

2024 Nov 07 (Thu)	11:14 118	16:54 48S	22:35 243
2024 Nov 08 (Fri)	12:05 115	17:48 52S	23:34 247
2024 Nov 09 (Sat)	12:51 110	18:40 57S	
2024 Nov 10 (Sun)	13:35 104	19:31 63S	00:33 253
2024 Nov 11 (Mon)	14:16 97	20:20 70S	01:30 259
2024 Nov 12 (Tue)	14:57 90	21:09 77S	02:27 266
2024 Nov 13 (Wed)	15:39 83	21:59 84S	03:25 274
2024 Nov 14 (Thu)	16:23 75	22:53 90N	04:24 281
2024 Nov 15 (Fri)	17:12 69	23:50 84N	05:26 288
2024 Nov 16 (Sat)	18:05 64		06:32 294
2024 Nov 17 (Sun)	19:04 61	00:50 80N	07:39 298
2024 Nov 18 (Mon)	20:05 60	01:53 78N	08:44 300
2024 Nov 19 (Tue)	21:07 62	02:56 78N	09:46 299
2024 Nov 20 (Wed)	22:07 65	03:55 79N	10:41 297
2024 Nov 21 (Thu)	23:03 69	04:50 82N	11:29 293
2024 Nov 22 (Fri)	23:55 74	05:39 87N	12:11 289
2024 Nov 23 (Sat)		06:24 89S	12:49 283
2024 Nov 24 (Sun)	00:44 80	07:05 84S	13:23 277
2024 Nov 25 (Mon)	01:30 85	07:45 78S	13:56 271
2024 Nov 26 (Tue)	02:16 92	08:23 72S	14:28 266
2024 Nov 27 (Wed)	03:01 98	09:02 66S	15:01 260
2024 Nov 28 (Thu)	03:48 103	09:43 61S	15:35 254
2024 Nov 29 (Fri)	04:37 109	10:26 56S	16:13 249
2024 Nov 30 (Sat)	05:28 113	11:13 52S	16:56 245
2024 Dec 01 (Sun)	06:22 117	12:03 48S	17:43 242
2024 Dec 02 (Mon)	07:19 119	12:57 47S	18:35 241
2024 Dec 03 (Tue)	08:16 120	13:53 46S	19:32 241
2024 Dec 04 (Wed)	09:11 119	14:50 48S	20:30 242
2024 Dec 05 (Thu)	10:02 116	15:45 51S	21:30 246
2024 Dec 06 (Fri)	10:50 111	16:37 55S	22:28 251
2024 Dec 07 (Sat)	11:33 106	17:27 61S	23:24 257
2024 Dec 08 (Sun)	12:14 100	18:15 67S	
2024 Dec 09 (Mon)	12:54 93	19:02 74S	00:20 264
2024 Dec 10 (Tue)	13:34 85	19:50 81S	01:15 271
2024 Dec 11 (Wed)	14:15 78	20:40 88S	02:11 278
2024 Dec 12 (Thu)	15:00 72	21:34 87N	03:10 285
2024 Dec 13 (Fri)	15:50 66	22:32 82N	04:12 291
2024 Dec 14 (Sat)	16:45 62	23:33 79N	05:17 296
2024 Dec 15 (Sun)	17:45 61		06:23 299
2024 Dec 16 (Mon)	18:48 61	00:36 77N	07:27 300
2024 Dec 17 (Tue)	19:50 63	01:38 78N	08:26 298
2024 Dec 18 (Wed)	20:49 67	02:36 81N	09:18 295
2024 Dec 19 (Thu)	21:44 72	03:28 85N	10:04 291
2024 Dec 20 (Fri)	22:36 77	04:16 90N	10:44 285
2024 Dec 21 (Sat)	23:24 83	05:00 86S	11:20 280
2024 Dec 22 (Sun)		05:41 80S	11:54 274
2024 Dec 23 (Mon)	00:10 89	06:20 74S	12:26 268
2024 Dec 24 (Tue)	00:55 95	06:59 68S	12:59 262
2024 Dec 25 (Wed)	01:41 101	07:39 63S	13:33 256
2024 Dec 26 (Thu)	02:29 107	08:21 58S	14:10 251
2024 Dec 27 (Fri)	03:19 112	09:06 53S	14:50 247
2024 Dec 28 (Sat)	04:13 116	09:55 49S	15:35 243
2024 Dec 29 (Sun)	05:09 118	10:48 47S	16:26 241
2024 Dec 30 (Mon)	06:06 120	11:44 46S	17:22 240
2024 Dec 31 (Tue)	07:03 119	12:41 47S	18:21 242