

Sun

Ang Thong

Location: E100°27'10.8", N14°35'31.2", 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)	05:53	06:43	114	12:21	53S	18:00	246	18:50
2024	Jan	02 (Tue)	05:53	06:43	114	12:22	53S	18:00	246	18:50
2024	Jan	03 (Wed)	05:54	06:44	113	12:22	53S	18:01	247	18:51
2024	Jan	04 (Thu)	05:54	06:44	113	12:23	53S	18:02	247	18:51
2024	Jan	05 (Fri)	05:55	06:44	113	12:23	53S	18:02	247	18:52
2024	Jan	06 (Sat)	05:55	06:45	113	12:24	54S	18:03	247	18:52
2024	Jan	07 (Sun)	05:55	06:45	113	12:24	54S	18:03	247	18:53
2024	Jan	08 (Mon)	05:56	06:45	113	12:25	54S	18:04	247	18:54
2024	Jan	09 (Tue)	05:56	06:46	113	12:25	54S	18:04	247	18:54
2024	Jan	10 (Wed)	05:56	06:46	113	12:25	54S	18:05	247	18:55
2024	Jan	11 (Thu)	05:57	06:46	112	12:26	54S	18:06	248	18:55
2024	Jan	12 (Fri)	05:57	06:46	112	12:26	54S	18:06	248	18:56
2024	Jan	13 (Sat)	05:57	06:46	112	12:27	55S	18:07	248	18:56
2024	Jan	14 (Sun)	05:57	06:47	112	12:27	55S	18:07	248	18:57
2024	Jan	15 (Mon)	05:58	06:47	112	12:27	55S	18:08	248	18:57
2024	Jan	16 (Tue)	05:58	06:47	112	12:28	55S	18:09	249	18:58
2024	Jan	17 (Wed)	05:58	06:47	111	12:28	55S	18:09	249	18:58
2024	Jan	18 (Thu)	05:58	06:47	111	12:28	55S	18:10	249	18:59
2024	Jan	19 (Fri)	05:58	06:47	111	12:29	56S	18:10	249	18:59
2024	Jan	20 (Sat)	05:58	06:47	111	12:29	56S	18:11	249	19:00
2024	Jan	21 (Sun)	05:58	06:47	111	12:29	56S	18:11	250	19:00
2024	Jan	22 (Mon)	05:59	06:47	110	12:30	56S	18:12	250	19:01
2024	Jan	23 (Tue)	05:59	06:47	110	12:30	57S	18:12	250	19:01
2024	Jan	24 (Wed)	05:59	06:47	110	12:30	57S	18:13	250	19:02
2024	Jan	25 (Thu)	05:59	06:47	110	12:30	57S	18:13	251	19:02
2024	Jan	26 (Fri)	05:59	06:47	109	12:31	57S	18:14	251	19:02
2024	Jan	27 (Sat)	05:59	06:47	109	12:31	58S	18:14	251	19:03
2024	Jan	28 (Sun)	05:59	06:47	109	12:31	58S	18:15	251	19:03
2024	Jan	29 (Mon)	05:59	06:47	109	12:31	58S	18:15	252	19:04
2024	Jan	30 (Tue)	05:59	06:47	108	12:31	58S	18:16	252	19:04
2024	Jan	31 (Wed)	05:59	06:47	108	12:31	59S	18:16	252	19:04
2024	Feb	01 (Thu)	05:59	06:47	108	12:32	59S	18:17	252	19:05
2024	Feb	02 (Fri)	05:58	06:46	107	12:32	59S	18:17	253	19:05
2024	Feb	03 (Sat)	05:58	06:46	107	12:32	59S	18:18	253	19:06
2024	Feb	04 (Sun)	05:58	06:46	107	12:32	60S	18:18	253	19:06
2024	Feb	05 (Mon)	05:58	06:46	106	12:32	60S	18:19	254	19:06
2024	Feb	06 (Tue)	05:58	06:46	106	12:32	60S	18:19	254	19:07
2024	Feb	07 (Wed)	05:58	06:45	106	12:32	61S	18:19	254	19:07
2024	Feb	08 (Thu)	05:57	06:45	106	12:32	61S	18:20	255	19:07
2024	Feb	09 (Fri)	05:57	06:45	105	12:32	61S	18:20	255	19:08
2024	Feb	10 (Sat)	05:57	06:44	105	12:32	62S	18:21	255	19:08
2024	Feb	11 (Sun)	05:57	06:44	105	12:32	62S	18:21	256	19:08
2024	Feb	12 (Mon)	05:56	06:44	104	12:32	62S	18:21	256	19:09
2024	Feb	13 (Tue)	05:56	06:43	104	12:32	63S	18:22	256	19:09
2024	Feb	14 (Wed)	05:56	06:43	103	12:32	63S	18:22	257	19:09
2024	Feb	15 (Thu)	05:55	06:43	103	12:32	63S	18:22	257	19:09
2024	Feb	16 (Fri)	05:55	06:42	103	12:32	64S	18:23	257	19:10
2024	Feb	17 (Sat)	05:55	06:42	102	12:32	64S	18:23	258	19:10
2024	Feb	18 (Sun)	05:54	06:41	102	12:32	64S	18:23	258	19:10
2024	Feb	19 (Mon)	05:54	06:41	102	12:32	65S	18:24	258	19:10
2024	Feb	20 (Tue)	05:53	06:40	101	12:32	65S	18:24	259	19:11
2024	Feb	21 (Wed)	05:53	06:40	101	12:32	65S	18:24	259	19:11
2024	Feb	22 (Thu)	05:53	06:39	101	12:32	66S	18:24	260	19:11
2024	Feb	23 (Fri)	05:52	06:39	100	12:32	66S	18:25	260	19:11
2024	Feb	24 (Sat)	05:52	06:38	100	12:31	66S	18:25	260	19:12
2024	Feb	25 (Sun)	05:51	06:38	99	12:31	67S	18:25	261	19:12
2024	Feb	26 (Mon)	05:51	06:37	99	12:31	67S	18:25	261	19:12
2024	Feb	27 (Tue)	05:50	06:37	99	12:31	68S	18:26	261	19:12
2024	Feb	28 (Wed)	05:50	06:36	98	12:31	68S	18:26	262	19:12
2024	Feb	29 (Thu)	05:49	06:35	98	12:31	68S	18:26	262	19:12

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

2024	May	12	(Sun)	05:02	05:51	71	12:15	87N	18:38	289	19:27
2024	May	13	(Mon)	05:02	05:51	71	12:15	87N	18:38	289	19:28
2024	May	14	(Tue)	05:01	05:51	70	12:15	87N	18:39	290	19:28
2024	May	15	(Wed)	05:01	05:50	70	12:15	86N	18:39	290	19:29
2024	May	16	(Thu)	05:00	05:50	70	12:15	86N	18:39	290	19:29
2024	May	17	(Fri)	05:00	05:50	70	12:15	86N	18:39	290	19:29
2024	May	18	(Sat)	05:00	05:50	69	12:15	86N	18:40	291	19:30
2024	May	19	(Sun)	05:00	05:50	69	12:15	85N	18:40	291	19:30
2024	May	20	(Mon)	04:59	05:49	69	12:15	85N	18:40	291	19:30
2024	May	21	(Tue)	04:59	05:49	69	12:15	85N	18:41	291	19:31
2024	May	22	(Wed)	04:59	05:49	69	12:15	85N	18:41	291	19:31
2024	May	23	(Thu)	04:58	05:49	68	12:15	85N	18:41	292	19:32
2024	May	24	(Fri)	04:58	05:49	68	12:15	84N	18:42	292	19:32
2024	May	25	(Sat)	04:58	05:49	68	12:15	84N	18:42	292	19:32
2024	May	26	(Sun)	04:58	05:48	68	12:15	84N	18:42	292	19:33
2024	May	27	(Mon)	04:58	05:48	68	12:15	84N	18:43	292	19:33
2024	May	28	(Tue)	04:58	05:48	68	12:16	84N	18:43	293	19:34
2024	May	29	(Wed)	04:57	05:48	67	12:16	84N	18:43	293	19:34
2024	May	30	(Thu)	04:57	05:48	67	12:16	83N	18:44	293	19:34
2024	May	31	(Fri)	04:57	05:48	67	12:16	83N	18:44	293	19:35
2024	Jun	01	(Sat)	04:57	05:48	67	12:16	83N	18:44	293	19:35
2024	Jun	02	(Sun)	04:57	05:48	67	12:16	83N	18:44	293	19:36
2024	Jun	03	(Mon)	04:57	05:48	67	12:16	83N	18:45	293	19:36
2024	Jun	04	(Tue)	04:57	05:48	67	12:17	83N	18:45	294	19:36
2024	Jun	05	(Wed)	04:57	05:48	66	12:17	83N	18:45	294	19:37
2024	Jun	06	(Thu)	04:57	05:48	66	12:17	83N	18:46	294	19:37
2024	Jun	07	(Fri)	04:57	05:48	66	12:17	83N	18:46	294	19:37
2024	Jun	08	(Sat)	04:57	05:48	66	12:17	82N	18:46	294	19:38
2024	Jun	09	(Sun)	04:57	05:48	66	12:18	82N	18:47	294	19:38
2024	Jun	10	(Mon)	04:57	05:49	66	12:18	82N	18:47	294	19:38
2024	Jun	11	(Tue)	04:57	05:49	66	12:18	82N	18:47	294	19:39
2024	Jun	12	(Wed)	04:57	05:49	66	12:18	82N	18:48	294	19:39
2024	Jun	13	(Thu)	04:57	05:49	66	12:18	82N	18:48	294	19:39
2024	Jun	14	(Fri)	04:58	05:49	66	12:19	82N	18:48	294	19:40
2024	Jun	15	(Sat)	04:58	05:49	66	12:19	82N	18:48	294	19:40
2024	Jun	16	(Sun)	04:58	05:49	66	12:19	82N	18:49	294	19:40
2024	Jun	17	(Mon)	04:58	05:50	66	12:19	82N	18:49	294	19:40
2024	Jun	18	(Tue)	04:58	05:50	66	12:19	82N	18:49	294	19:41
2024	Jun	19	(Wed)	04:58	05:50	66	12:20	82N	18:49	295	19:41
2024	Jun	20	(Thu)	04:59	05:50	65	12:20	82N	18:50	295	19:41
2024	Jun	21	(Fri)	04:59	05:50	65	12:20	82N	18:50	295	19:41
2024	Jun	22	(Sat)	04:59	05:51	65	12:20	82N	18:50	294	19:42
2024	Jun	23	(Sun)	04:59	05:51	66	12:20	82N	18:50	294	19:42
2024	Jun	24	(Mon)	04:59	05:51	66	12:21	82N	18:50	294	19:42
2024	Jun	25	(Tue)	05:00	05:51	66	12:21	82N	18:51	294	19:42
2024	Jun	26	(Wed)	05:00	05:52	66	12:21	82N	18:51	294	19:42
2024	Jun	27	(Thu)	05:00	05:52	66	12:21	82N	18:51	294	19:42
2024	Jun	28	(Fri)	05:01	05:52	66	12:22	82N	18:51	294	19:42
2024	Jun	29	(Sat)	05:01	05:52	66	12:22	82N	18:51	294	19:43
2024	Jun	30	(Sun)	05:01	05:53	66	12:22	82N	18:51	294	19:43
2024	Jul	01	(Mon)	05:01	05:53	66	12:22	82N	18:51	294	19:43
2024	Jul	02	(Tue)	05:02	05:53	66	12:22	82N	18:51	294	19:43
2024	Jul	03	(Wed)	05:02	05:53	66	12:23	82N	18:52	294	19:43
2024	Jul	04	(Thu)	05:02	05:54	66	12:23	82N	18:52	294	19:43
2024	Jul	05	(Fri)	05:03	05:54	66	12:23	83N	18:52	294	19:43
2024	Jul	06	(Sat)	05:03	05:54	66	12:23	83N	18:52	294	19:43
2024	Jul	07	(Sun)	05:03	05:55	66	12:23	83N	18:52	294	19:43
2024	Jul	08	(Mon)	05:04	05:55	67	12:23	83N	18:52	293	19:43
2024	Jul	09	(Tue)	05:04	05:55	67	12:23	83N	18:52	293	19:43
2024	Jul	10	(Wed)	05:05	05:56	67	12:24	83N	18:52	293	19:43
2024	Jul	11	(Thu)	05:05	05:56	67	12:24	83N	18:52	293	19:43
2024	Jul	12	(Fri)	05:05	05:56	67	12:24	83N	18:52	293	19:42
2024	Jul	13	(Sat)	05:06	05:56	67	12:24	84N	18:52	293	19:42
2024	Jul	14	(Sun)	05:06	05:57	67	12:24	84N	18:51	293	19:42
2024	Jul	15	(Mon)	05:06	05:57	68	12:24	84N	18:51	292	19:42
2024	Jul	16	(Tue)	05:07	05:57	68	12:24	84N	18:51	292	19:42
2024	Jul	17	(Wed)	05:07	05:58	68	12:24	84N	18:51	292	19:42
2024	Jul	18	(Thu)	05:07	05:58	68	12:24	84N	18:51	292	19:41
2024	Jul	19	(Fri)	05:08	05:58	68	12:25	85N	18:51	292	19:41
2024	Jul	20	(Sat)	05:08	05:58	68	12:25	85N	18:51	291	19:41
2024	Jul	21	(Sun)	05:08	05:59	69	12:25	85N	18:50	291	19:41
2024	Jul	22	(Mon)	05:09	05:59	69	12:25	85N	18:50	291	19:40

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

2024	Oct	03	(Thu)	05:22	06:08	94	12:07	72S	18:06	266	18:52
2024	Oct	04	(Fri)	05:22	06:08	94	12:07	72S	18:05	265	18:52
2024	Oct	05	(Sat)	05:22	06:08	95	12:07	71S	18:05	265	18:51
2024	Oct	06	(Sun)	05:22	06:08	95	12:06	71S	18:04	265	18:50
2024	Oct	07	(Mon)	05:22	06:08	96	12:06	70S	18:03	264	18:50
2024	Oct	08	(Tue)	05:22	06:09	96	12:06	70S	18:03	264	18:49
2024	Oct	09	(Wed)	05:22	06:09	96	12:05	70S	18:02	263	18:48
2024	Oct	10	(Thu)	05:22	06:09	97	12:05	69S	18:01	263	18:48
2024	Oct	11	(Fri)	05:23	06:09	97	12:05	69S	18:01	263	18:47
2024	Oct	12	(Sat)	05:23	06:09	98	12:05	69S	18:00	262	18:46
2024	Oct	13	(Sun)	05:23	06:09	98	12:04	68S	17:59	262	18:46
2024	Oct	14	(Mon)	05:23	06:09	98	12:04	68S	17:59	262	18:45
2024	Oct	15	(Tue)	05:23	06:10	99	12:04	67S	17:58	261	18:45
2024	Oct	16	(Wed)	05:23	06:10	99	12:04	67S	17:58	261	18:44
2024	Oct	17	(Thu)	05:23	06:10	99	12:03	67S	17:57	260	18:44
2024	Oct	18	(Fri)	05:23	06:10	100	12:03	66S	17:56	260	18:43
2024	Oct	19	(Sat)	05:24	06:10	100	12:03	66S	17:56	260	18:42
2024	Oct	20	(Sun)	05:24	06:10	101	12:03	66S	17:55	259	18:42
2024	Oct	21	(Mon)	05:24	06:11	101	12:03	65S	17:55	259	18:41
2024	Oct	22	(Tue)	05:24	06:11	101	12:03	65S	17:54	259	18:41
2024	Oct	23	(Wed)	05:24	06:11	102	12:02	65S	17:54	258	18:41
2024	Oct	24	(Thu)	05:24	06:11	102	12:02	64S	17:53	258	18:40
2024	Oct	25	(Fri)	05:25	06:12	102	12:02	64S	17:53	257	18:40
2024	Oct	26	(Sat)	05:25	06:12	103	12:02	64S	17:52	257	18:39
2024	Oct	27	(Sun)	05:25	06:12	103	12:02	63S	17:52	257	18:39
2024	Oct	28	(Mon)	05:25	06:12	103	12:02	63S	17:51	256	18:39
2024	Oct	29	(Tue)	05:25	06:13	104	12:02	63S	17:51	256	18:38
2024	Oct	30	(Wed)	05:26	06:13	104	12:02	62S	17:50	256	18:38
2024	Oct	31	(Thu)	05:26	06:13	104	12:02	62S	17:50	255	18:37
2024	Nov	01	(Fri)	05:26	06:14	105	12:02	62S	17:50	255	18:37
2024	Nov	02	(Sat)	05:26	06:14	105	12:02	61S	17:49	255	18:37
2024	Nov	03	(Sun)	05:27	06:14	105	12:02	61S	17:49	254	18:37
2024	Nov	04	(Mon)	05:27	06:15	106	12:02	61S	17:49	254	18:36
2024	Nov	05	(Tue)	05:27	06:15	106	12:02	60S	17:48	254	18:36
2024	Nov	06	(Wed)	05:28	06:15	106	12:02	60S	17:48	253	18:36
2024	Nov	07	(Thu)	05:28	06:16	107	12:02	60S	17:48	253	18:36
2024	Nov	08	(Fri)	05:28	06:16	107	12:02	59S	17:48	253	18:36
2024	Nov	09	(Sat)	05:29	06:17	107	12:02	59S	17:47	253	18:35
2024	Nov	10	(Sun)	05:29	06:17	108	12:02	59S	17:47	252	18:35
2024	Nov	11	(Mon)	05:29	06:17	108	12:02	59S	17:47	252	18:35
2024	Nov	12	(Tue)	05:30	06:18	108	12:02	58S	17:47	252	18:35
2024	Nov	13	(Wed)	05:30	06:18	108	12:02	58S	17:47	251	18:35
2024	Nov	14	(Thu)	05:30	06:19	109	12:03	58S	17:46	251	18:35
2024	Nov	15	(Fri)	05:31	06:19	109	12:03	58S	17:46	251	18:35
2024	Nov	16	(Sat)	05:31	06:20	109	12:03	57S	17:46	251	18:35
2024	Nov	17	(Sun)	05:32	06:20	109	12:03	57S	17:46	250	18:35
2024	Nov	18	(Mon)	05:32	06:21	110	12:03	57S	17:46	250	18:35
2024	Nov	19	(Tue)	05:32	06:21	110	12:04	57S	17:46	250	18:35
2024	Nov	20	(Wed)	05:33	06:22	110	12:04	56S	17:46	250	18:35
2024	Nov	21	(Thu)	05:33	06:22	110	12:04	56S	17:46	249	18:35
2024	Nov	22	(Fri)	05:34	06:23	111	12:04	56S	17:46	249	18:35
2024	Nov	23	(Sat)	05:34	06:23	111	12:05	56S	17:46	249	18:35
2024	Nov	24	(Sun)	05:35	06:24	111	12:05	55S	17:46	249	18:35
2024	Nov	25	(Mon)	05:35	06:24	111	12:05	55S	17:46	249	18:35
2024	Nov	26	(Tue)	05:36	06:25	111	12:06	55S	17:46	248	18:35
2024	Nov	27	(Wed)	05:36	06:25	112	12:06	55S	17:46	248	18:36
2024	Nov	28	(Thu)	05:36	06:26	112	12:06	55S	17:47	248	18:36
2024	Nov	29	(Fri)	05:37	06:26	112	12:07	55S	17:47	248	18:36
2024	Nov	30	(Sat)	05:37	06:27	112	12:07	54S	17:47	248	18:36
2024	Dec	01	(Sun)	05:38	06:27	112	12:07	54S	17:47	248	18:37
2024	Dec	02	(Mon)	05:38	06:28	113	12:08	54S	17:47	247	18:37
2024	Dec	03	(Tue)	05:39	06:29	113	12:08	54S	17:48	247	18:37
2024	Dec	04	(Wed)	05:40	06:29	113	12:08	54S	17:48	247	18:37
2024	Dec	05	(Thu)	05:40	06:30	113	12:09	54S	17:48	247	18:38
2024	Dec	06	(Fri)	05:41	06:30	113	12:09	54S	17:48	247	18:38
2024	Dec	07	(Sat)	05:41	06:31	113	12:10	53S	17:49	247	18:38
2024	Dec	08	(Sun)	05:42	06:31	113	12:10	53S	17:49	247	18:39
2024	Dec	09	(Mon)	05:42	06:32	113	12:11	53S	17:49	247	18:39
2024	Dec	10	(Tue)	05:43	06:32	114	12:11	53S	17:50	246	18:39
2024	Dec	11	(Wed)	05:43	06:33	114	12:12	53S	17:50	246	18:40
2024	Dec	12	(Thu)	05:44	06:34	114	12:12	53S	17:50	246	18:40
2024	Dec	13	(Fri)	05:44	06:34	114	12:12	53S	17:51	246	18:41

2024	Dec	14	(Sat)	05:45	06:35	114	12:13	53S	17:51	246	18:41
2024	Dec	15	(Sun)	05:45	06:35	114	12:13	53S	17:52	246	18:42
2024	Dec	16	(Mon)	05:46	06:36	114	12:14	53S	17:52	246	18:42
2024	Dec	17	(Tue)	05:46	06:36	114	12:14	53S	17:52	246	18:42
2024	Dec	18	(Wed)	05:47	06:37	114	12:15	53S	17:53	246	18:43
2024	Dec	19	(Thu)	05:47	06:37	114	12:15	53S	17:53	246	18:43
2024	Dec	20	(Fri)	05:48	06:38	114	12:16	53S	17:54	246	18:44
2024	Dec	21	(Sat)	05:48	06:38	114	12:16	53S	17:54	246	18:44
2024	Dec	22	(Sun)	05:49	06:39	114	12:17	53S	17:55	246	18:45
2024	Dec	23	(Mon)	05:49	06:39	114	12:17	53S	17:55	246	18:45
2024	Dec	24	(Tue)	05:50	06:40	114	12:18	53S	17:56	246	18:46
2024	Dec	25	(Wed)	05:50	06:40	114	12:18	53S	17:56	246	18:46
2024	Dec	26	(Thu)	05:51	06:41	114	12:19	53S	17:57	246	18:47
2024	Dec	27	(Fri)	05:51	06:41	114	12:19	53S	17:57	246	18:47
2024	Dec	28	(Sat)	05:52	06:42	114	12:20	53S	17:58	246	18:48
2024	Dec	29	(Sun)	05:52	06:42	114	12:20	53S	17:59	246	18:49
2024	Dec	30	(Mon)	05:53	06:42	114	12:21	53S	17:59	246	18:49
2024	Dec	31	(Tue)	05:53	06:43	114	12:21	53S	18:00	246	18:50

Sun

Ang Thong

Location: E100°27'10.8", N14°35'31.2", 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 °	h m
2024	Jan	01	(Mon)	06:20	06:43	114	12:21 53S	18:00 246		18:23
2024	Jan	02	(Tue)	06:20	06:43	114	12:22 53S	18:00 246		18:24
2024	Jan	03	(Wed)	06:21	06:44	113	12:22 53S	18:01 247		18:24
2024	Jan	04	(Thu)	06:21	06:44	113	12:23 53S	18:02 247		18:25
2024	Jan	05	(Fri)	06:21	06:44	113	12:23 53S	18:02 247		18:25
2024	Jan	06	(Sat)	06:22	06:45	113	12:24 54S	18:03 247		18:26
2024	Jan	07	(Sun)	06:22	06:45	113	12:24 54S	18:03 247		18:26
2024	Jan	08	(Mon)	06:22	06:45	113	12:25 54S	18:04 247		18:27
2024	Jan	09	(Tue)	06:22	06:46	113	12:25 54S	18:04 247		18:28
2024	Jan	10	(Wed)	06:23	06:46	113	12:25 54S	18:05 247		18:28
2024	Jan	11	(Thu)	06:23	06:46	112	12:26 54S	18:06 248		18:29
2024	Jan	12	(Fri)	06:23	06:46	112	12:26 54S	18:06 248		18:29
2024	Jan	13	(Sat)	06:23	06:46	112	12:27 55S	18:07 248		18:30
2024	Jan	14	(Sun)	06:24	06:47	112	12:27 55S	18:07 248		18:30
2024	Jan	15	(Mon)	06:24	06:47	112	12:27 55S	18:08 248		18:31
2024	Jan	16	(Tue)	06:24	06:47	112	12:28 55S	18:09 249		18:31
2024	Jan	17	(Wed)	06:24	06:47	111	12:28 55S	18:09 249		18:32
2024	Jan	18	(Thu)	06:24	06:47	111	12:28 55S	18:10 249		18:32
2024	Jan	19	(Fri)	06:24	06:47	111	12:29 56S	18:10 249		18:33
2024	Jan	20	(Sat)	06:25	06:47	111	12:29 56S	18:11 249		18:33
2024	Jan	21	(Sun)	06:25	06:47	111	12:29 56S	18:11 250		18:34
2024	Jan	22	(Mon)	06:25	06:47	110	12:30 56S	18:12 250		18:35
2024	Jan	23	(Tue)	06:25	06:47	110	12:30 57S	18:12 250		18:35
2024	Jan	24	(Wed)	06:25	06:47	110	12:30 57S	18:13 250		18:36
2024	Jan	25	(Thu)	06:25	06:47	110	12:30 57S	18:13 251		18:36
2024	Jan	26	(Fri)	06:25	06:47	109	12:31 57S	18:14 251		18:36
2024	Jan	27	(Sat)	06:25	06:47	109	12:31 58S	18:14 251		18:37
2024	Jan	28	(Sun)	06:25	06:47	109	12:31 58S	18:15 251		18:37
2024	Jan	29	(Mon)	06:25	06:47	109	12:31 58S	18:15 252		18:38
2024	Jan	30	(Tue)	06:25	06:47	108	12:31 58S	18:16 252		18:38
2024	Jan	31	(Wed)	06:24	06:47	108	12:31 59S	18:16 252		18:39
2024	Feb	01	(Thu)	06:24	06:47	108	12:32 59S	18:17 252		18:39
2024	Feb	02	(Fri)	06:24	06:46	107	12:32 59S	18:17 253		18:40
2024	Feb	03	(Sat)	06:24	06:46	107	12:32 59S	18:18 253		18:40
2024	Feb	04	(Sun)	06:24	06:46	107	12:32 60S	18:18 253		18:40
2024	Feb	05	(Mon)	06:24	06:46	106	12:32 60S	18:19 254		18:41
2024	Feb	06	(Tue)	06:23	06:46	106	12:32 60S	18:19 254		18:41
2024	Feb	07	(Wed)	06:23	06:45	106	12:32 61S	18:19 254		18:42
2024	Feb	08	(Thu)	06:23	06:45	106	12:32 61S	18:20 255		18:42
2024	Feb	09	(Fri)	06:23	06:45	105	12:32 61S	18:20 255		18:42
2024	Feb	10	(Sat)	06:22	06:44	105	12:32 62S	18:21 255		18:43

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

2024	Apr	23	(Tue)	05:38	06:00	77	12:16	89S	18:33	283	18:56
2024	Apr	24	(Wed)	05:37	05:59	76	12:16	89S	18:34	284	18:56
2024	Apr	25	(Thu)	05:36	05:59	76	12:16	89S	18:34	284	18:56
2024	Apr	26	(Fri)	05:36	05:58	76	12:16	90S	18:34	284	18:56
2024	Apr	27	(Sat)	05:35	05:58	75	12:16	90S	18:34	285	18:56
2024	Apr	28	(Sun)	05:35	05:57	75	12:16	90S	18:34	285	18:57
2024	Apr	29	(Mon)	05:34	05:57	75	12:16	91N	18:35	285	18:57
2024	Apr	30	(Tue)	05:34	05:56	74	12:15	90N	18:35	286	18:57
2024	May	01	(Wed)	05:33	05:56	74	12:15	90N	18:35	286	18:57
2024	May	02	(Thu)	05:33	05:55	74	12:15	90N	18:35	286	18:58
2024	May	03	(Fri)	05:32	05:55	73	12:15	89N	18:36	287	18:58
2024	May	04	(Sat)	05:32	05:54	73	12:15	89N	18:36	287	18:58
2024	May	05	(Sun)	05:31	05:54	73	12:15	89N	18:36	287	18:59
2024	May	06	(Mon)	05:31	05:53	73	12:15	89N	18:36	288	18:59
2024	May	07	(Tue)	05:31	05:53	72	12:15	88N	18:37	288	18:59
2024	May	08	(Wed)	05:30	05:53	72	12:15	88N	18:37	288	18:59
2024	May	09	(Thu)	05:30	05:52	72	12:15	88N	18:37	288	19:00
2024	May	10	(Fri)	05:29	05:52	71	12:15	88N	18:37	289	19:00
2024	May	11	(Sat)	05:29	05:52	71	12:15	87N	18:38	289	19:00
2024	May	12	(Sun)	05:29	05:51	71	12:15	87N	18:38	289	19:01
2024	May	13	(Mon)	05:28	05:51	71	12:15	87N	18:38	289	19:01
2024	May	14	(Tue)	05:28	05:51	70	12:15	87N	18:39	290	19:01
2024	May	15	(Wed)	05:28	05:50	70	12:15	86N	18:39	290	19:02
2024	May	16	(Thu)	05:27	05:50	70	12:15	86N	18:39	290	19:02
2024	May	17	(Fri)	05:27	05:50	70	12:15	86N	18:39	290	19:02
2024	May	18	(Sat)	05:27	05:50	69	12:15	86N	18:40	291	19:03
2024	May	19	(Sun)	05:27	05:50	69	12:15	85N	18:40	291	19:03
2024	May	20	(Mon)	05:26	05:49	69	12:15	85N	18:40	291	19:03
2024	May	21	(Tue)	05:26	05:49	69	12:15	85N	18:41	291	19:04
2024	May	22	(Wed)	05:26	05:49	69	12:15	85N	18:41	291	19:04
2024	May	23	(Thu)	05:26	05:49	68	12:15	85N	18:41	292	19:04
2024	May	24	(Fri)	05:26	05:49	68	12:15	84N	18:42	292	19:05
2024	May	25	(Sat)	05:25	05:49	68	12:15	84N	18:42	292	19:05
2024	May	26	(Sun)	05:25	05:48	68	12:15	84N	18:42	292	19:05
2024	May	27	(Mon)	05:25	05:48	68	12:15	84N	18:43	292	19:06
2024	May	28	(Tue)	05:25	05:48	68	12:16	84N	18:43	293	19:06
2024	May	29	(Wed)	05:25	05:48	67	12:16	84N	18:43	293	19:07
2024	May	30	(Thu)	05:25	05:48	67	12:16	83N	18:44	293	19:07
2024	May	31	(Fri)	05:25	05:48	67	12:16	83N	18:44	293	19:07
2024	Jun	01	(Sat)	05:25	05:48	67	12:16	83N	18:44	293	19:08
2024	Jun	02	(Sun)	05:25	05:48	67	12:16	83N	18:44	293	19:08
2024	Jun	03	(Mon)	05:25	05:48	67	12:16	83N	18:45	293	19:08
2024	Jun	04	(Tue)	05:25	05:48	67	12:17	83N	18:45	294	19:09
2024	Jun	05	(Wed)	05:25	05:48	66	12:17	83N	18:45	294	19:09
2024	Jun	06	(Thu)	05:25	05:48	66	12:17	83N	18:46	294	19:09
2024	Jun	07	(Fri)	05:25	05:48	66	12:17	83N	18:46	294	19:10
2024	Jun	08	(Sat)	05:25	05:48	66	12:17	82N	18:46	294	19:10
2024	Jun	09	(Sun)	05:25	05:48	66	12:18	82N	18:47	294	19:10
2024	Jun	10	(Mon)	05:25	05:49	66	12:18	82N	18:47	294	19:11
2024	Jun	11	(Tue)	05:25	05:49	66	12:18	82N	18:47	294	19:11
2024	Jun	12	(Wed)	05:25	05:49	66	12:18	82N	18:48	294	19:11
2024	Jun	13	(Thu)	05:25	05:49	66	12:18	82N	18:48	294	19:11
2024	Jun	14	(Fri)	05:25	05:49	66	12:19	82N	18:48	294	19:12
2024	Jun	15	(Sat)	05:26	05:49	66	12:19	82N	18:48	294	19:12
2024	Jun	16	(Sun)	05:26	05:49	66	12:19	82N	18:49	294	19:12
2024	Jun	17	(Mon)	05:26	05:50	66	12:19	82N	18:49	294	19:13
2024	Jun	18	(Tue)	05:26	05:50	66	12:19	82N	18:49	294	19:13
2024	Jun	19	(Wed)	05:26	05:50	66	12:20	82N	18:49	295	19:13
2024	Jun	20	(Thu)	05:26	05:50	65	12:20	82N	18:50	295	19:13
2024	Jun	21	(Fri)	05:27	05:50	65	12:20	82N	18:50	295	19:13
2024	Jun	22	(Sat)	05:27	05:51	65	12:20	82N	18:50	294	19:14
2024	Jun	23	(Sun)	05:27	05:51	66	12:20	82N	18:50	294	19:14
2024	Jun	24	(Mon)	05:27	05:51	66	12:21	82N	18:50	294	19:14
2024	Jun	25	(Tue)	05:28	05:51	66	12:21	82N	18:51	294	19:14
2024	Jun	26	(Wed)	05:28	05:52	66	12:21	82N	18:51	294	19:14
2024	Jun	27	(Thu)	05:28	05:52	66	12:21	82N	18:51	294	19:14
2024	Jun	28	(Fri)	05:28	05:52	66	12:22	82N	18:51	294	19:15
2024	Jun	29	(Sat)	05:29	05:52	66	12:22	82N	18:51	294	19:15
2024	Jun	30	(Sun)	05:29	05:53	66	12:22	82N	18:51	294	19:15
2024	Jul	01	(Mon)	05:29	05:53	66	12:22	82N	18:51	294	19:15
2024	Jul	02	(Tue)	05:30	05:53	66	12:22	82N	18:51	294	19:15
2024	Jul	03	(Wed)	05:30	05:53	66	12:23	82N	18:52	294	19:15

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

2024	Sep	14	(Sat)	05:45	06:07	86	12:14	79S	18:20	273	18:42
2024	Sep	15	(Sun)	05:46	06:07	87	12:13	79S	18:20	273	18:41
2024	Sep	16	(Mon)	05:46	06:07	87	12:13	79S	18:19	273	18:40
2024	Sep	17	(Tue)	05:46	06:07	88	12:13	78S	18:18	272	18:39
2024	Sep	18	(Wed)	05:46	06:07	88	12:12	78S	18:17	272	18:39
2024	Sep	19	(Thu)	05:46	06:07	88	12:12	77S	18:16	271	18:38
2024	Sep	20	(Fri)	05:46	06:07	89	12:12	77S	18:16	271	18:37
2024	Sep	21	(Sat)	05:46	06:07	89	12:11	77S	18:15	271	18:36
2024	Sep	22	(Sun)	05:46	06:07	90	12:11	76S	18:14	270	18:36
2024	Sep	23	(Mon)	05:46	06:07	90	12:10	76S	18:13	270	18:35
2024	Sep	24	(Tue)	05:46	06:07	90	12:10	75S	18:13	269	18:34
2024	Sep	25	(Wed)	05:46	06:07	91	12:10	75S	18:12	269	18:33
2024	Sep	26	(Thu)	05:46	06:07	91	12:09	75S	18:11	269	18:33
2024	Sep	27	(Fri)	05:46	06:08	92	12:09	74S	18:10	268	18:32
2024	Sep	28	(Sat)	05:46	06:08	92	12:09	74S	18:10	268	18:31
2024	Sep	29	(Sun)	05:46	06:08	92	12:08	74S	18:09	267	18:30
2024	Sep	30	(Mon)	05:46	06:08	93	12:08	73S	18:08	267	18:30
2024	Oct	01	(Tue)	05:46	06:08	93	12:08	73S	18:08	267	18:29
2024	Oct	02	(Wed)	05:47	06:08	94	12:07	72S	18:07	266	18:28
2024	Oct	03	(Thu)	05:47	06:08	94	12:07	72S	18:06	266	18:27
2024	Oct	04	(Fri)	05:47	06:08	94	12:07	72S	18:05	265	18:27
2024	Oct	05	(Sat)	05:47	06:08	95	12:07	71S	18:05	265	18:26
2024	Oct	06	(Sun)	05:47	06:08	95	12:06	71S	18:04	265	18:25
2024	Oct	07	(Mon)	05:47	06:08	96	12:06	70S	18:03	264	18:25
2024	Oct	08	(Tue)	05:47	06:09	96	12:06	70S	18:03	264	18:24
2024	Oct	09	(Wed)	05:47	06:09	96	12:05	70S	18:02	263	18:23
2024	Oct	10	(Thu)	05:47	06:09	97	12:05	69S	18:01	263	18:23
2024	Oct	11	(Fri)	05:47	06:09	97	12:05	69S	18:01	263	18:22
2024	Oct	12	(Sat)	05:48	06:09	98	12:05	69S	18:00	262	18:21
2024	Oct	13	(Sun)	05:48	06:09	98	12:04	68S	17:59	262	18:21
2024	Oct	14	(Mon)	05:48	06:09	98	12:04	68S	17:59	262	18:20
2024	Oct	15	(Tue)	05:48	06:10	99	12:04	67S	17:58	261	18:20
2024	Oct	16	(Wed)	05:48	06:10	99	12:04	67S	17:58	261	18:19
2024	Oct	17	(Thu)	05:48	06:10	99	12:03	67S	17:57	260	18:19
2024	Oct	18	(Fri)	05:48	06:10	100	12:03	66S	17:56	260	18:18
2024	Oct	19	(Sat)	05:49	06:10	100	12:03	66S	17:56	260	18:17
2024	Oct	20	(Sun)	05:49	06:10	101	12:03	66S	17:55	259	18:17
2024	Oct	21	(Mon)	05:49	06:11	101	12:03	65S	17:55	259	18:16
2024	Oct	22	(Tue)	05:49	06:11	101	12:03	65S	17:54	259	18:16
2024	Oct	23	(Wed)	05:49	06:11	102	12:02	65S	17:54	258	18:15
2024	Oct	24	(Thu)	05:50	06:11	102	12:02	64S	17:53	258	18:15
2024	Oct	25	(Fri)	05:50	06:12	102	12:02	64S	17:53	257	18:14
2024	Oct	26	(Sat)	05:50	06:12	103	12:02	64S	17:52	257	18:14
2024	Oct	27	(Sun)	05:50	06:12	103	12:02	63S	17:52	257	18:14
2024	Oct	28	(Mon)	05:51	06:12	103	12:02	63S	17:51	256	18:13
2024	Oct	29	(Tue)	05:51	06:13	104	12:02	63S	17:51	256	18:13
2024	Oct	30	(Wed)	05:51	06:13	104	12:02	62S	17:50	256	18:12
2024	Oct	31	(Thu)	05:51	06:13	104	12:02	62S	17:50	255	18:12
2024	Nov	01	(Fri)	05:52	06:14	105	12:02	62S	17:50	255	18:12
2024	Nov	02	(Sat)	05:52	06:14	105	12:02	61S	17:49	255	18:11
2024	Nov	03	(Sun)	05:52	06:14	105	12:02	61S	17:49	254	18:11
2024	Nov	04	(Mon)	05:53	06:15	106	12:02	61S	17:49	254	18:11
2024	Nov	05	(Tue)	05:53	06:15	106	12:02	60S	17:48	254	18:11
2024	Nov	06	(Wed)	05:53	06:15	106	12:02	60S	17:48	253	18:10
2024	Nov	07	(Thu)	05:54	06:16	107	12:02	60S	17:48	253	18:10
2024	Nov	08	(Fri)	05:54	06:16	107	12:02	59S	17:48	253	18:10
2024	Nov	09	(Sat)	05:54	06:17	107	12:02	59S	17:47	253	18:10
2024	Nov	10	(Sun)	05:55	06:17	108	12:02	59S	17:47	252	18:09
2024	Nov	11	(Mon)	05:55	06:17	108	12:02	59S	17:47	252	18:09
2024	Nov	12	(Tue)	05:55	06:18	108	12:02	58S	17:47	252	18:09
2024	Nov	13	(Wed)	05:56	06:18	108	12:02	58S	17:47	251	18:09
2024	Nov	14	(Thu)	05:56	06:19	109	12:03	58S	17:46	251	18:09
2024	Nov	15	(Fri)	05:57	06:19	109	12:03	58S	17:46	251	18:09
2024	Nov	16	(Sat)	05:57	06:20	109	12:03	57S	17:46	251	18:09
2024	Nov	17	(Sun)	05:58	06:20	109	12:03	57S	17:46	250	18:09
2024	Nov	18	(Mon)	05:58	06:21	110	12:03	57S	17:46	250	18:09
2024	Nov	19	(Tue)	05:58	06:21	110	12:04	57S	17:46	250	18:09
2024	Nov	20	(Wed)	05:59	06:22	110	12:04	56S	17:46	250	18:09
2024	Nov	21	(Thu)	05:59	06:22	110	12:04	56S	17:46	249	18:09
2024	Nov	22	(Fri)	06:00	06:23	111	12:04	56S	17:46	249	18:09
2024	Nov	23	(Sat)	06:00	06:23	111	12:05	56S	17:46	249	18:09
2024	Nov	24	(Sun)	06:01	06:24	111	12:05	55S	17:46	249	18:09

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

Moon

Ang Thong

Location: E100°27'10.8", N14°35'31.2", 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)	22:30	80		04:09	89S		10:32	282	
2024 Jan 02 (Tue)	23:16	86		04:50	84S		11:06	277	
2024 Jan 03 (Wed)				05:29	78S		11:39	271	
2024 Jan 04 (Thu)	00:01	92		06:08	72S		12:12	265	
2024 Jan 05 (Fri)	00:47	98		06:48	66S		12:47	259	
2024 Jan 06 (Sat)	01:35	104		07:31	61S		13:24	253	
2024 Jan 07 (Sun)	02:27	109		08:18	56S		14:06	248	
2024 Jan 08 (Mon)	03:23	114		09:10	52S		14:54	244	
2024 Jan 09 (Tue)	04:24	117		10:07	49S		15:49	242	
2024 Jan 10 (Wed)	05:27	119		11:08	47S		16:50	241	
2024 Jan 11 (Thu)	06:30	119		12:12	48S		17:56	242	
2024 Jan 12 (Fri)	07:30	116		13:15	51S		19:02	246	
2024 Jan 13 (Sat)	08:25	112		14:15	56S		20:07	251	
2024 Jan 14 (Sun)	09:14	106		15:10	62S		21:09	257	
2024 Jan 15 (Mon)	09:59	99		16:01	69S		22:07	264	
2024 Jan 16 (Tue)	10:41	92		16:50	76S		23:03	272	
2024 Jan 17 (Wed)	11:21	85		17:38	83S		23:58	279	
2024 Jan 18 (Thu)	12:02	78		18:26	89S				
2024 Jan 19 (Fri)	12:44	72		19:15	87N		00:54	285	
2024 Jan 20 (Sat)	13:29	67		20:07	82N		01:50	291	
2024 Jan 21 (Sun)	14:18	63		21:01	79N		02:47	295	
2024 Jan 22 (Mon)	15:10	61		21:56	77N		03:45	298	
2024 Jan 23 (Tue)	16:05	61		22:51	77N		04:42	299	

2024	Jan	24	(Wed)	17:00	62	23:44	79N	05:37	299
2024	Jan	25	(Thu)	17:55	65			06:27	297
2024	Jan	26	(Fri)	18:47	68	00:35	81N	07:12	293
2024	Jan	27	(Sat)	19:37	73	01:22	85N	07:53	289
2024	Jan	28	(Sun)	20:25	79	02:06	90N	08:31	284
2024	Jan	29	(Mon)	21:11	84	02:47	86S	09:05	279
2024	Jan	30	(Tue)	21:56	90	03:26	80S	09:38	273
2024	Jan	31	(Wed)	22:41	96	04:05	74S	10:11	267
2024	Feb	01	(Thu)	23:28	102	04:44	68S	10:44	261
2024	Feb	02	(Fri)			05:25	63S	11:20	255
2024	Feb	03	(Sat)	00:17	107	06:09	58S	11:59	250
2024	Feb	04	(Sun)	01:10	112	06:57	53S	12:43	246
2024	Feb	05	(Mon)	02:06	116	07:50	50S	13:33	242
2024	Feb	06	(Tue)	03:07	119	08:48	47S	14:29	241
2024	Feb	07	(Wed)	04:09	119	09:50	47S	15:32	241
2024	Feb	08	(Thu)	05:10	118	10:54	49S	16:39	243
2024	Feb	09	(Fri)	06:08	114	11:55	53S	17:45	248
2024	Feb	10	(Sat)	07:01	109	12:54	59S	18:50	254
2024	Feb	11	(Sun)	07:49	102	13:49	65S	19:52	261
2024	Feb	12	(Mon)	08:34	95	14:40	73S	20:51	269
2024	Feb	13	(Tue)	09:16	88	15:31	80S	21:49	276
2024	Feb	14	(Wed)	09:58	80	16:20	87S	22:46	283
2024	Feb	15	(Thu)	10:41	74	17:11	88N	23:44	289
2024	Feb	16	(Fri)	11:26	68	18:03	83N		
2024	Feb	17	(Sat)	12:15	64	18:56	79N	00:42	294
2024	Feb	18	(Sun)	13:06	62	19:52	77N	01:41	297
2024	Feb	19	(Mon)	14:00	61	20:47	77N	02:38	299
2024	Feb	20	(Tue)	14:55	61	21:40	78N	03:33	299
2024	Feb	21	(Wed)	15:50	64	22:31	80N	04:24	298
2024	Feb	22	(Thu)	16:43	67	23:19	84N	05:11	295
2024	Feb	23	(Fri)	17:33	71			05:53	291
2024	Feb	24	(Sat)	18:21	77	00:03	89N	06:31	286
2024	Feb	25	(Sun)	19:08	82	00:45	88S	07:06	280
2024	Feb	26	(Mon)	19:53	88	01:25	82S	07:39	275
2024	Feb	27	(Tue)	20:38	94	02:04	76S	08:12	269
2024	Feb	28	(Wed)	21:24	100	02:43	70S	08:45	263
2024	Feb	29	(Thu)	22:12	106	03:23	65S	09:19	257
2024	Mar	01	(Fri)	23:02	111	04:05	59S	09:56	252
2024	Mar	02	(Sat)	23:56	115	04:51	54S	10:37	247
2024	Mar	03	(Sun)			05:41	51S	11:24	243
2024	Mar	04	(Mon)	00:53	118	06:35	48S	12:16	241
2024	Mar	05	(Tue)	01:53	119	07:34	47S	13:14	240
2024	Mar	06	(Wed)	02:53	119	08:34	48S	14:17	242
2024	Mar	07	(Thu)	03:51	117	09:35	51S	15:22	245
2024	Mar	08	(Fri)	04:45	112	10:35	55S	16:27	250
2024	Mar	09	(Sat)	05:35	106	11:31	62S	17:30	257
2024	Mar	10	(Sun)	06:21	99	12:24	69S	18:31	265
2024	Mar	11	(Mon)	07:06	91	13:16	76S	19:31	272
2024	Mar	12	(Tue)	07:49	84	14:07	84S	20:30	280
2024	Mar	13	(Wed)	08:33	77	14:59	91N	21:30	287
2024	Mar	14	(Thu)	09:18	70	15:53	85N	22:30	292
2024	Mar	15	(Fri)	10:07	65	16:48	80N	23:31	297
2024	Mar	16	(Sat)	10:59	62	17:44	78N		
2024	Mar	17	(Sun)	11:54	61	18:41	77N	00:31	299
2024	Mar	18	(Mon)	12:50	61	19:36	77N	01:28	300
2024	Mar	19	(Tue)	13:45	63	20:28	79N	02:21	298
2024	Mar	20	(Wed)	14:39	66	21:17	83N	03:09	296
2024	Mar	21	(Thu)	15:30	70	22:02	87N	03:52	292
2024	Mar	22	(Fri)	16:18	75	22:44	89S	04:31	288
2024	Mar	23	(Sat)	17:05	80	23:25	84S	05:07	282
2024	Mar	24	(Sun)	17:50	86			05:41	277
2024	Mar	25	(Mon)	18:36	92	00:04	78S	06:14	271
2024	Mar	26	(Tue)	19:21	98	00:43	72S	06:46	265
2024	Mar	27	(Wed)	20:09	104	01:22	66S	07:20	259
2024	Mar	28	(Thu)	20:58	109	02:04	61S	07:57	253
2024	Mar	29	(Fri)	21:51	114	02:49	56S	08:36	248
2024	Mar	30	(Sat)	22:47	117	03:37	52S	09:20	244
2024	Mar	31	(Sun)	23:45	119	04:29	49S	10:10	242
2024	Apr	01	(Mon)			05:25	47S	11:05	240
2024	Apr	02	(Tue)	00:43	120	06:23	47S	12:04	241
2024	Apr	03	(Wed)	01:40	118	07:22	49S	13:07	243
2024	Apr	04	(Thu)	02:34	114	08:20	53S	14:09	248

2024 Apr 05 (Fri)	03:24 109	09:16 58S	15:11 254
2024 Apr 06 (Sat)	04:10 103	10:09 65S	16:11 261
2024 Apr 07 (Sun)	04:54 96	11:00 72S	17:11 268
2024 Apr 08 (Mon)	05:37 88	11:51 80S	18:10 276
2024 Apr 09 (Tue)	06:21 80	12:43 87S	19:10 283
2024 Apr 10 (Wed)	07:06 73	13:37 88N	20:11 290
2024 Apr 11 (Thu)	07:55 68	14:33 82N	21:14 295
2024 Apr 12 (Fri)	08:47 63	15:31 79N	22:17 298
2024 Apr 13 (Sat)	09:42 61	16:29 77N	23:17 300
2024 Apr 14 (Sun)	10:39 60	17:27 77N	
2024 Apr 15 (Mon)	11:37 62	18:22 78N	00:14 299
2024 Apr 16 (Tue)	12:32 64	19:12 81N	01:05 297
2024 Apr 17 (Wed)	13:25 68	19:59 85N	01:50 294
2024 Apr 18 (Thu)	14:14 73	20:43 90N	02:31 289
2024 Apr 19 (Fri)	15:02 78	21:23 86S	03:08 284
2024 Apr 20 (Sat)	15:47 84	22:03 80S	03:42 279
2024 Apr 21 (Sun)	16:32 90	22:42 74S	04:15 273
2024 Apr 22 (Mon)	17:18 96	23:21 68S	04:48 267
2024 Apr 23 (Tue)	18:05 102		05:21 261
2024 Apr 24 (Wed)	18:54 108	00:02 63S	05:57 255
2024 Apr 25 (Thu)	19:47 112	00:46 57S	06:36 250
2024 Apr 26 (Fri)	20:42 116	01:34 53S	07:19 246
2024 Apr 27 (Sat)	21:39 119	02:25 49S	08:07 242
2024 Apr 28 (Sun)	22:38 120	03:20 47S	09:00 241
2024 Apr 29 (Mon)	23:35 119	04:18 47S	09:58 241
2024 Apr 30 (Tue)		05:16 48S	10:59 243
2024 May 01 (Wed)	00:29 116	06:13 52S	12:00 246
2024 May 02 (Thu)	01:18 111	07:08 56S	13:00 251
2024 May 03 (Fri)	02:04 105	08:00 62S	13:59 258
2024 May 04 (Sat)	02:47 99	08:50 69S	14:56 265
2024 May 05 (Sun)	03:29 91	09:39 76S	15:54 272
2024 May 06 (Mon)	04:11 84	10:29 84S	16:52 280
2024 May 07 (Tue)	04:55 77	11:21 91S	17:52 287
2024 May 08 (Wed)	05:41 71	12:16 85N	18:54 292
2024 May 09 (Thu)	06:32 65	13:13 80N	19:57 297
2024 May 10 (Fri)	07:27 62	14:13 77N	21:00 299
2024 May 11 (Sat)	08:25 61	15:12 77N	22:00 299
2024 May 12 (Sun)	09:23 61	16:10 78N	22:55 298
2024 May 13 (Mon)	10:21 63	17:04 80N	23:44 295
2024 May 14 (Tue)	11:16 67	17:53 84N	
2024 May 15 (Wed)	12:08 71	18:38 88N	00:27 291
2024 May 16 (Thu)	12:56 76	19:20 88S	01:06 286
2024 May 17 (Fri)	13:43 82	20:00 82S	01:41 281
2024 May 18 (Sat)	14:28 88	20:39 76S	02:15 275
2024 May 19 (Sun)	15:13 94	21:18 70S	02:47 269
2024 May 20 (Mon)	15:59 100	21:59 65S	03:20 263
2024 May 21 (Tue)	16:48 106	22:42 59S	03:55 257
2024 May 22 (Wed)	17:39 111	23:28 54S	04:33 252
2024 May 23 (Thu)	18:34 115		05:15 247
2024 May 24 (Fri)	19:32 118	00:19 51S	06:02 243
2024 May 25 (Sat)	20:31 119	01:14 48S	06:55 241
2024 May 26 (Sun)	21:30 119	02:12 47S	07:52 241
2024 May 27 (Mon)	22:25 117	03:11 48S	08:53 242
2024 May 28 (Tue)	23:16 113	04:09 51S	09:55 245
2024 May 29 (Wed)		05:04 55S	10:55 250
2024 May 30 (Thu)	00:03 107	05:56 60S	11:53 256
2024 May 31 (Fri)	00:46 101	06:46 67S	12:50 263
2024 Jun 01 (Sat)	01:27 94	07:34 74S	13:45 270
2024 Jun 02 (Sun)	02:07 87	08:22 81S	14:41 277
2024 Jun 03 (Mon)	02:49 80	09:11 88S	15:38 284
2024 Jun 04 (Tue)	03:33 73	10:03 87N	16:38 290
2024 Jun 05 (Wed)	04:20 68	10:58 82N	17:40 295
2024 Jun 06 (Thu)	05:13 63	11:57 79N	18:43 298
2024 Jun 07 (Fri)	06:09 61	12:56 77N	19:44 299
2024 Jun 08 (Sat)	07:08 61	13:56 77N	20:42 299
2024 Jun 09 (Sun)	08:07 62	14:52 79N	21:34 296
2024 Jun 10 (Mon)	09:04 65	15:44 82N	22:21 293
2024 Jun 11 (Tue)	09:58 69	16:32 87N	23:02 288
2024 Jun 12 (Wed)	10:49 74	17:15 90S	23:39 283
2024 Jun 13 (Thu)	11:36 80	17:56 84S	
2024 Jun 14 (Fri)	12:22 86	18:35 79S	00:13 277
2024 Jun 15 (Sat)	13:07 92	19:14 73S	00:46 271

2024 Jun 16 (Sun)	13:52 98	19:54 67S	01:19 265
2024 Jun 17 (Mon)	14:40 104	20:36 61S	01:53 259
2024 Jun 18 (Tue)	15:30 109	21:21 56S	02:29 254
2024 Jun 19 (Wed)	16:23 114	22:10 52S	03:09 249
2024 Jun 20 (Thu)	17:20 117	23:03 49S	03:54 245
2024 Jun 21 (Fri)	18:20 119		04:45 242
2024 Jun 22 (Sat)	19:20 119	00:01 47S	05:42 241
2024 Jun 23 (Sun)	20:18 118	01:01 47S	06:43 241
2024 Jun 24 (Mon)	21:12 114	02:01 50S	07:46 244
2024 Jun 25 (Tue)	22:00 109	02:59 53S	08:48 248
2024 Jun 26 (Wed)	22:45 103	03:53 59S	09:48 254
2024 Jun 27 (Thu)	23:27 96	04:44 65S	10:45 261
2024 Jun 28 (Fri)		05:32 72S	11:41 268
2024 Jun 29 (Sat)	00:07 89	06:20 79S	12:36 275
2024 Jun 30 (Sun)	00:47 82	07:08 86S	13:32 282
2024 Jul 01 (Mon)	01:30 75	07:58 89N	14:30 288
2024 Jul 02 (Tue)	02:15 69	08:50 84N	15:29 293
2024 Jul 03 (Wed)	03:04 65	09:46 80N	16:30 297
2024 Jul 04 (Thu)	03:58 62	10:44 77N	17:32 299
2024 Jul 05 (Fri)	04:56 61	11:43 77N	18:31 299
2024 Jul 06 (Sat)	05:55 61	12:41 78N	19:25 297
2024 Jul 07 (Sun)	06:53 64	13:34 81N	20:14 294
2024 Jul 08 (Mon)	07:48 68	14:24 85N	20:57 290
2024 Jul 09 (Tue)	08:40 72	15:09 90N	21:36 285
2024 Jul 10 (Wed)	09:29 78	15:52 86S	22:11 279
2024 Jul 11 (Thu)	10:15 84	16:32 81S	22:44 273
2024 Jul 12 (Fri)	11:01 90	17:10 75S	23:17 267
2024 Jul 13 (Sat)	11:46 96	17:49 69S	23:50 261
2024 Jul 14 (Sun)	12:32 101	18:30 63S	
2024 Jul 15 (Mon)	13:20 107	19:13 58S	00:25 256
2024 Jul 16 (Tue)	14:12 112	19:59 54S	01:03 251
2024 Jul 17 (Wed)	15:07 116	20:51 50S	01:45 246
2024 Jul 18 (Thu)	16:05 118	21:46 48S	02:33 243
2024 Jul 19 (Fri)	17:05 119	22:46 47S	03:27 241
2024 Jul 20 (Sat)	18:05 119	23:47 48S	04:27 241
2024 Jul 21 (Sun)	19:01 116		05:30 243
2024 Jul 22 (Mon)	19:53 111	00:47 52S	06:34 246
2024 Jul 23 (Tue)	20:41 105	01:44 57S	07:37 252
2024 Jul 24 (Wed)	21:24 98	02:37 63S	08:37 258
2024 Jul 25 (Thu)	22:06 91	03:28 70S	09:35 266
2024 Jul 26 (Fri)	22:47 83	04:17 77S	10:31 273
2024 Jul 27 (Sat)	23:29 77	05:05 84S	11:28 280
2024 Jul 28 (Sun)		05:55 91S	12:25 287
2024 Jul 29 (Mon)	00:13 71	06:47 85N	13:24 292
2024 Jul 30 (Tue)	01:01 66	07:41 81N	14:24 296
2024 Jul 31 (Wed)	01:53 62	08:38 78N	15:24 299
2024 Aug 01 (Thu)	02:48 61	09:36 77N	16:23 299
2024 Aug 02 (Fri)	03:46 61	10:33 77N	17:18 298
2024 Aug 03 (Sat)	04:44 63	11:27 80N	18:08 296
2024 Aug 04 (Sun)	05:40 66	12:18 83N	18:53 292
2024 Aug 05 (Mon)	06:33 71	13:05 88N	19:33 287
2024 Aug 06 (Tue)	07:23 76	13:48 88S	20:10 281
2024 Aug 07 (Wed)	08:10 82	14:28 83S	20:44 275
2024 Aug 08 (Thu)	08:56 88	15:08 77S	21:16 269
2024 Aug 09 (Fri)	09:41 94	15:46 71S	21:49 264
2024 Aug 10 (Sat)	10:26 99	16:26 65S	22:23 258
2024 Aug 11 (Sun)	11:13 105	17:07 60S	22:59 252
2024 Aug 12 (Mon)	12:02 110	17:51 55S	23:38 248
2024 Aug 13 (Tue)	12:55 114	18:40 51S	
2024 Aug 14 (Wed)	13:51 118	19:32 48S	00:23 244
2024 Aug 15 (Thu)	14:49 119	20:29 47S	01:13 241
2024 Aug 16 (Fri)	15:48 119	21:29 47S	02:10 240
2024 Aug 17 (Sat)	16:46 117	22:29 50S	03:11 241
2024 Aug 18 (Sun)	17:40 113	23:28 54S	04:15 244
2024 Aug 19 (Mon)	18:30 108		05:19 249
2024 Aug 20 (Tue)	19:17 101	00:24 60S	06:21 255
2024 Aug 21 (Wed)	20:00 94	01:17 67S	07:22 262
2024 Aug 22 (Thu)	20:43 86	02:08 74S	08:20 270
2024 Aug 23 (Fri)	21:25 79	02:59 82S	09:18 278
2024 Aug 24 (Sat)	22:10 72	03:49 89S	10:17 285
2024 Aug 25 (Sun)	22:57 67	04:42 87N	11:17 291
2024 Aug 26 (Mon)	23:49 63	05:36 82N	12:18 295

2024 Aug 27 (Tue)		06:33 78N	13:19 298
2024 Aug 28 (Wed)	00:44 61	07:31 77N	14:19 300
2024 Aug 29 (Thu)	01:41 60	08:28 77N	15:15 299
2024 Aug 30 (Fri)	02:38 62	09:23 79N	16:06 297
2024 Aug 31 (Sat)	03:34 65	10:14 82N	16:51 293
2024 Sep 01 (Sun)	04:28 69	11:02 86N	17:32 289
2024 Sep 02 (Mon)	05:18 74	11:46 90S	18:10 283
2024 Sep 03 (Tue)	06:06 80	12:27 85S	18:44 277
2024 Sep 04 (Wed)	06:52 85	13:06 79S	19:17 272
2024 Sep 05 (Thu)	07:37 92	13:45 73S	19:50 266
2024 Sep 06 (Fri)	08:22 97	14:24 67S	20:23 260
2024 Sep 07 (Sat)	09:08 103	15:04 62S	20:58 254
2024 Sep 08 (Sun)	09:56 108	15:47 57S	21:35 249
2024 Sep 09 (Mon)	10:47 113	16:33 52S	22:17 245
2024 Sep 10 (Tue)	11:41 117	17:23 49S	23:04 242
2024 Sep 11 (Wed)	12:37 119	18:17 47S	23:57 240
2024 Sep 12 (Thu)	13:34 120	19:14 47S	
2024 Sep 13 (Fri)	14:31 119	20:13 48S	00:54 240
2024 Sep 14 (Sat)	15:26 116	21:11 52S	01:55 242
2024 Sep 15 (Sun)	16:17 111	22:07 57S	02:58 246
2024 Sep 16 (Mon)	17:05 105	23:01 63S	04:01 252
2024 Sep 17 (Tue)	17:50 98	23:54 70S	05:02 259
2024 Sep 18 (Wed)	18:33 90		06:02 266
2024 Sep 19 (Thu)	19:17 82	00:45 78S	07:02 274
2024 Sep 20 (Fri)	20:02 75	01:37 85S	08:02 282
2024 Sep 21 (Sat)	20:50 69	02:30 89N	09:03 288
2024 Sep 22 (Sun)	21:41 64	03:26 83N	10:06 294
2024 Sep 23 (Mon)	22:37 61	04:24 79N	11:10 298
2024 Sep 24 (Tue)	23:34 60	05:24 77N	12:12 300
2024 Sep 25 (Wed)		06:22 76N	13:10 299
2024 Sep 26 (Thu)	00:33 61	07:19 78N	14:03 298
2024 Sep 27 (Fri)	01:30 64	08:11 81N	14:51 294
2024 Sep 28 (Sat)	02:24 67	09:00 85N	15:33 290
2024 Sep 29 (Sun)	03:15 72	09:45 89N	16:11 285
2024 Sep 30 (Mon)	04:03 78	10:26 87S	16:46 279
2024 Oct 01 (Tue)	04:50 83	11:06 81S	17:19 273
2024 Oct 02 (Wed)	05:35 90	11:45 75S	17:51 267
2024 Oct 03 (Thu)	06:20 96	12:24 69S	18:24 262
2024 Oct 04 (Fri)	07:06 101	13:03 63S	18:58 256
2024 Oct 05 (Sat)	07:53 107	13:45 58S	19:35 251
2024 Oct 06 (Sun)	08:43 112	14:30 54S	20:16 246
2024 Oct 07 (Mon)	09:35 116	15:18 50S	21:00 243
2024 Oct 08 (Tue)	10:30 118	16:10 48S	21:50 241
2024 Oct 09 (Wed)	11:26 120	17:05 47S	22:45 240
2024 Oct 10 (Thu)	12:22 119	18:02 48S	23:43 241
2024 Oct 11 (Fri)	13:15 117	18:58 50S	
2024 Oct 12 (Sat)	14:06 113	19:53 54S	00:43 244
2024 Oct 13 (Sun)	14:54 108	20:47 60S	01:43 249
2024 Oct 14 (Mon)	15:38 101	21:38 66S	02:43 255
2024 Oct 15 (Tue)	16:22 94	22:29 74S	03:42 262
2024 Oct 16 (Wed)	17:05 86	23:21 81S	04:41 270
2024 Oct 17 (Thu)	17:49 79		05:41 278
2024 Oct 18 (Fri)	18:36 72	00:14 89S	06:42 285
2024 Oct 19 (Sat)	19:28 66	01:09 86N	07:46 291
2024 Oct 20 (Sun)	20:23 62	02:08 81N	08:52 296
2024 Oct 21 (Mon)	21:22 61	03:09 78N	09:57 299
2024 Oct 22 (Tue)	22:23 61	04:11 76N	10:59 300
2024 Oct 23 (Wed)	23:22 63	05:10 77N	11:56 298
2024 Oct 24 (Thu)		06:06 79N	12:47 296
2024 Oct 25 (Fri)	00:18 66	06:56 83N	13:31 292
2024 Oct 26 (Sat)	01:11 71	07:43 88N	14:11 287
2024 Oct 27 (Sun)	02:00 76	08:25 88S	14:47 281
2024 Oct 28 (Mon)	02:47 82	09:06 83S	15:21 275
2024 Oct 29 (Tue)	03:33 88	09:44 77S	15:53 269
2024 Oct 30 (Wed)	04:17 94	10:23 71S	16:26 264
2024 Oct 31 (Thu)	05:03 99	11:03 65S	16:59 258
2024 Nov 01 (Fri)	05:50 105	11:44 60S	17:36 252
2024 Nov 02 (Sat)	06:39 110	12:28 55S	18:15 248
2024 Nov 03 (Sun)	07:31 114	13:16 51S	18:59 244
2024 Nov 04 (Mon)	08:25 118	14:07 48S	19:47 241
2024 Nov 05 (Tue)	09:21 119	15:01 47S	20:40 240
2024 Nov 06 (Wed)	10:17 120	15:56 47S	21:37 241

2024 Nov 07 (Thu)	11:10 118	16:52 49S	22:35 243
2024 Nov 08 (Fri)	12:01 115	17:46 53S	23:34 247
2024 Nov 09 (Sat)	12:48 110	18:38 57S	
2024 Nov 10 (Sun)	13:32 104	19:29 63S	00:32 253
2024 Nov 11 (Mon)	14:14 97	20:18 70S	01:29 259
2024 Nov 12 (Tue)	14:55 90	21:07 78S	02:25 266
2024 Nov 13 (Wed)	15:37 83	21:57 85S	03:22 274
2024 Nov 14 (Thu)	16:22 75	22:51 90N	04:21 281
2024 Nov 15 (Fri)	17:11 69	23:48 84N	05:23 288
2024 Nov 16 (Sat)	18:05 64		06:28 294
2024 Nov 17 (Sun)	19:04 61	00:48 79N	07:35 298
2024 Nov 18 (Mon)	20:05 60	01:51 77N	08:40 299
2024 Nov 19 (Tue)	21:07 62	02:54 77N	09:42 299
2024 Nov 20 (Wed)	22:07 65	03:53 78N	10:37 297
2024 Nov 21 (Thu)	23:03 69	04:48 82N	11:26 293
2024 Nov 22 (Fri)	23:54 74	05:37 86N	12:08 289
2024 Nov 23 (Sat)		06:22 90S	12:46 283
2024 Nov 24 (Sun)	00:43 80	07:03 85S	13:21 277
2024 Nov 25 (Mon)	01:29 86	07:43 79S	13:54 271
2024 Nov 26 (Tue)	02:14 92	08:21 73S	14:26 266
2024 Nov 27 (Wed)	02:59 97	09:00 67S	14:59 260
2024 Nov 28 (Thu)	03:45 103	09:41 62S	15:34 254
2024 Nov 29 (Fri)	04:33 108	10:24 57S	16:13 249
2024 Nov 30 (Sat)	05:25 113	11:11 52S	16:55 245
2024 Dec 01 (Sun)	06:19 117	12:01 49S	17:43 242
2024 Dec 02 (Mon)	07:15 119	12:55 47S	18:35 241
2024 Dec 03 (Tue)	08:12 120	13:51 47S	19:32 241
2024 Dec 04 (Wed)	09:07 118	14:48 49S	20:30 243
2024 Dec 05 (Thu)	09:58 116	15:43 52S	21:29 246
2024 Dec 06 (Fri)	10:46 111	16:35 56S	22:27 251
2024 Dec 07 (Sat)	11:30 106	17:25 62S	23:23 257
2024 Dec 08 (Sun)	12:12 100	18:13 68S	
2024 Dec 09 (Mon)	12:52 93	19:00 75S	00:18 264
2024 Dec 10 (Tue)	13:32 85	19:48 82S	01:13 271
2024 Dec 11 (Wed)	14:14 78	20:38 89S	02:09 278
2024 Dec 12 (Thu)	14:59 72	21:32 86N	03:07 285
2024 Dec 13 (Fri)	15:49 66	22:30 81N	04:08 291
2024 Dec 14 (Sat)	16:45 63	23:31 78N	05:13 296
2024 Dec 15 (Sun)	17:45 61		06:19 299
2024 Dec 16 (Mon)	18:48 61	00:34 77N	07:23 299
2024 Dec 17 (Tue)	19:50 63	01:36 77N	08:22 298
2024 Dec 18 (Wed)	20:49 67	02:34 80N	09:15 295
2024 Dec 19 (Thu)	21:44 72	03:26 84N	10:01 291
2024 Dec 20 (Fri)	22:34 77	04:14 89N	10:41 285
2024 Dec 21 (Sat)	23:22 83	04:58 87S	11:18 280
2024 Dec 22 (Sun)		05:39 81S	11:52 274
2024 Dec 23 (Mon)	00:08 89	06:18 75S	12:25 268
2024 Dec 24 (Tue)	00:53 95	06:57 69S	12:58 262
2024 Dec 25 (Wed)	01:39 101	07:37 64S	13:32 256
2024 Dec 26 (Thu)	02:26 107	08:19 58S	14:09 251
2024 Dec 27 (Fri)	03:16 111	09:04 54S	14:50 247
2024 Dec 28 (Sat)	04:09 115	09:53 50S	15:35 243
2024 Dec 29 (Sun)	05:05 118	10:46 48S	16:26 241
2024 Dec 30 (Mon)	06:02 119	11:42 47S	17:22 241
2024 Dec 31 (Tue)	06:59 119	12:39 48S	18:21 242