

Sun

PhangNga

Location: E 98°31'26.4", N 8°26'45.5", 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)	05:51	06:40	113	12:29	59S	18:18	247	19:07
2024	Jan	02	(Tue)	05:51	06:40	113	12:30	59S	18:19	247	19:08
2024	Jan	03	(Wed)	05:52	06:41	113	12:30	59S	18:19	247	19:08
2024	Jan	04	(Thu)	05:52	06:41	113	12:30	59S	18:20	247	19:09
2024	Jan	05	(Fri)	05:53	06:41	113	12:31	60S	18:21	247	19:09
2024	Jan	06	(Sat)	05:53	06:42	113	12:31	60S	18:21	247	19:10
2024	Jan	07	(Sun)	05:53	06:42	113	12:32	60S	18:22	247	19:10
2024	Jan	08	(Mon)	05:54	06:43	112	12:32	60S	18:22	248	19:11
2024	Jan	09	(Tue)	05:54	06:43	112	12:33	60S	18:23	248	19:11
2024	Jan	10	(Wed)	05:55	06:43	112	12:33	60S	18:23	248	19:12
2024	Jan	11	(Thu)	05:55	06:43	112	12:34	60S	18:24	248	19:12
2024	Jan	12	(Fri)	05:55	06:44	112	12:34	61S	18:24	248	19:13
2024	Jan	13	(Sat)	05:56	06:44	112	12:34	61S	18:25	248	19:13
2024	Jan	14	(Sun)	05:56	06:44	112	12:35	61S	18:25	249	19:13
2024	Jan	15	(Mon)	05:56	06:45	111	12:35	61S	18:26	249	19:14
2024	Jan	16	(Tue)	05:57	06:45	111	12:35	61S	18:26	249	19:14
2024	Jan	17	(Wed)	05:57	06:45	111	12:36	61S	18:27	249	19:15
2024	Jan	18	(Thu)	05:57	06:45	111	12:36	62S	18:27	249	19:15
2024	Jan	19	(Fri)	05:57	06:45	111	12:36	62S	18:27	250	19:15
2024	Jan	20	(Sat)	05:58	06:46	110	12:37	62S	18:28	250	19:16
2024	Jan	21	(Sun)	05:58	06:46	110	12:37	62S	18:28	250	19:16
2024	Jan	22	(Mon)	05:58	06:46	110	12:37	62S	18:29	250	19:16
2024	Jan	23	(Tue)	05:58	06:46	110	12:38	63S	18:29	250	19:17
2024	Jan	24	(Wed)	05:58	06:46	109	12:38	63S	18:30	251	19:17
2024	Jan	25	(Thu)	05:59	06:46	109	12:38	63S	18:30	251	19:18
2024	Jan	26	(Fri)	05:59	06:46	109	12:38	63S	18:30	251	19:18
2024	Jan	27	(Sat)	05:59	06:46	109	12:38	64S	18:31	251	19:18
2024	Jan	28	(Sun)	05:59	06:46	108	12:39	64S	18:31	252	19:18
2024	Jan	29	(Mon)	05:59	06:46	108	12:39	64S	18:31	252	19:19
2024	Jan	30	(Tue)	05:59	06:46	108	12:39	64S	18:32	252	19:19
2024	Jan	31	(Wed)	05:59	06:46	108	12:39	65S	18:32	252	19:19
2024	Feb	01	(Thu)	05:59	06:46	107	12:39	65S	18:32	253	19:19
2024	Feb	02	(Fri)	05:59	06:46	107	12:39	65S	18:33	253	19:20
2024	Feb	03	(Sat)	05:59	06:46	107	12:40	66S	18:33	253	19:20
2024	Feb	04	(Sun)	05:59	06:46	107	12:40	66S	18:33	254	19:20
2024	Feb	05	(Mon)	05:59	06:46	106	12:40	66S	18:34	254	19:20
2024	Feb	06	(Tue)	05:59	06:46	106	12:40	66S	18:34	254	19:21
2024	Feb	07	(Wed)	05:59	06:46	106	12:40	67S	18:34	255	19:21
2024	Feb	08	(Thu)	05:59	06:46	105	12:40	67S	18:34	255	19:21
2024	Feb	09	(Fri)	05:59	06:46	105	12:40	67S	18:35	255	19:21
2024	Feb	10	(Sat)	05:59	06:45	105	12:40	68S	18:35	256	19:21
2024	Feb	11	(Sun)	05:59	06:45	104	12:40	68S	18:35	256	19:21
2024	Feb	12	(Mon)	05:59	06:45	104	12:40	68S	18:35	256	19:22
2024	Feb	13	(Tue)	05:59	06:45	104	12:40	69S	18:35	257	19:22
2024	Feb	14	(Wed)	05:58	06:45	103	12:40	69S	18:36	257	19:22
2024	Feb	15	(Thu)	05:58	06:44	103	12:40	69S	18:36	257	19:22
2024	Feb	16	(Fri)	05:58	06:44	103	12:40	70S	18:36	258	19:22
2024	Feb	17	(Sat)	05:58	06:44	102	12:40	70S	18:36	258	19:22
2024	Feb	18	(Sun)	05:58	06:44	102	12:40	70S	18:36	258	19:22
2024	Feb	19	(Mon)	05:57	06:43	102	12:40	71S	18:36	259	19:22
2024	Feb	20	(Tue)	05:57	06:43	101	12:40	71S	18:36	259	19:22
2024	Feb	21	(Wed)	05:57	06:43	101	12:40	72S	18:37	259	19:22
2024	Feb	22	(Thu)	05:57	06:42	100	12:39	72S	18:37	260	19:22
2024	Feb	23	(Fri)	05:56	06:42	100	12:39	72S	18:37	260	19:22
2024	Feb	24	(Sat)	05:56	06:42	100	12:39	73S	18:37	260	19:23

2024	Feb	25	(Sun)	05:56	06:41	99	12:39	73S	18:37	261	19:23
2024	Feb	26	(Mon)	05:55	06:41	99	12:39	73S	18:37	261	19:23
2024	Feb	27	(Tue)	05:55	06:41	99	12:39	74S	18:37	262	19:23
2024	Feb	28	(Wed)	05:55	06:40	98	12:39	74S	18:37	262	19:23
2024	Feb	29	(Thu)	05:54	06:40	98	12:38	74S	18:37	262	19:23
2024	Mar	01	(Fri)	05:54	06:39	97	12:38	75S	18:37	263	19:23
2024	Mar	02	(Sat)	05:53	06:39	97	12:38	75S	18:37	263	19:23
2024	Mar	03	(Sun)	05:53	06:38	97	12:38	76S	18:37	264	19:23
2024	Mar	04	(Mon)	05:53	06:38	96	12:38	76S	18:37	264	19:23
2024	Mar	05	(Tue)	05:52	06:38	96	12:37	76S	18:37	264	19:23
2024	Mar	06	(Wed)	05:52	06:37	96	12:37	77S	18:37	265	19:22
2024	Mar	07	(Thu)	05:51	06:37	95	12:37	77S	18:37	265	19:22
2024	Mar	08	(Fri)	05:51	06:36	95	12:37	78S	18:37	265	19:22
2024	Mar	09	(Sat)	05:50	06:36	94	12:36	78S	18:37	266	19:22
2024	Mar	10	(Sun)	05:50	06:35	94	12:36	78S	18:37	266	19:22
2024	Mar	11	(Mon)	05:49	06:35	94	12:36	79S	18:37	267	19:22
2024	Mar	12	(Tue)	05:49	06:34	93	12:36	79S	18:37	267	19:22
2024	Mar	13	(Wed)	05:49	06:34	93	12:35	80S	18:37	267	19:22
2024	Mar	14	(Thu)	05:48	06:33	92	12:35	80S	18:37	268	19:22
2024	Mar	15	(Fri)	05:48	06:33	92	12:35	80S	18:37	268	19:22
2024	Mar	16	(Sat)	05:47	06:32	92	12:34	81S	18:37	269	19:22
2024	Mar	17	(Sun)	05:46	06:32	91	12:34	81S	18:37	269	19:22
2024	Mar	18	(Mon)	05:46	06:31	91	12:34	82S	18:37	269	19:22
2024	Mar	19	(Tue)	05:45	06:31	90	12:34	82S	18:37	270	19:22
2024	Mar	20	(Wed)	05:45	06:30	90	12:33	82S	18:37	270	19:22
2024	Mar	21	(Thu)	05:44	06:30	90	12:33	83S	18:37	271	19:22
2024	Mar	22	(Fri)	05:44	06:29	89	12:33	83S	18:37	271	19:22
2024	Mar	23	(Sat)	05:43	06:28	89	12:32	83S	18:36	271	19:22
2024	Mar	24	(Sun)	05:43	06:28	88	12:32	84S	18:36	272	19:22
2024	Mar	25	(Mon)	05:42	06:27	88	12:32	84S	18:36	272	19:22
2024	Mar	26	(Tue)	05:42	06:27	88	12:31	85S	18:36	273	19:22
2024	Mar	27	(Wed)	05:41	06:26	87	12:31	85S	18:36	273	19:21
2024	Mar	28	(Thu)	05:41	06:26	87	12:31	85S	18:36	273	19:21
2024	Mar	29	(Fri)	05:40	06:25	86	12:31	86S	18:36	274	19:21
2024	Mar	30	(Sat)	05:39	06:25	86	12:30	86S	18:36	274	19:21
2024	Mar	31	(Sun)	05:39	06:24	86	12:30	87S	18:36	275	19:21
2024	Apr	01	(Mon)	05:38	06:24	85	12:30	87S	18:36	275	19:21
2024	Apr	02	(Tue)	05:38	06:23	85	12:29	87S	18:36	275	19:21
2024	Apr	03	(Wed)	05:37	06:23	84	12:29	88S	18:36	276	19:21
2024	Apr	04	(Thu)	05:37	06:22	84	12:29	88S	18:36	276	19:21
2024	Apr	05	(Fri)	05:36	06:22	84	12:29	89S	18:36	277	19:21
2024	Apr	06	(Sat)	05:35	06:21	83	12:28	89S	18:36	277	19:21
2024	Apr	07	(Sun)	05:35	06:21	83	12:28	89S	18:36	277	19:21
2024	Apr	08	(Mon)	05:34	06:20	82	12:28	90S	18:35	278	19:21
2024	Apr	09	(Tue)	05:34	06:20	82	12:27	90S	18:35	278	19:21
2024	Apr	10	(Wed)	05:33	06:19	82	12:27	90S	18:35	278	19:21
2024	Apr	11	(Thu)	05:33	06:19	81	12:27	91N	18:35	279	19:21
2024	Apr	12	(Fri)	05:32	06:18	81	12:27	90N	18:35	279	19:21
2024	Apr	13	(Sat)	05:32	06:18	81	12:26	90N	18:35	280	19:21
2024	Apr	14	(Sun)	05:31	06:17	80	12:26	90N	18:35	280	19:21
2024	Apr	15	(Mon)	05:31	06:17	80	12:26	89N	18:35	280	19:21
2024	Apr	16	(Tue)	05:30	06:16	80	12:26	89N	18:35	281	19:21
2024	Apr	17	(Wed)	05:30	06:16	79	12:25	89N	18:35	281	19:21
2024	Apr	18	(Thu)	05:29	06:15	79	12:25	88N	18:35	281	19:21
2024	Apr	19	(Fri)	05:29	06:15	78	12:25	88N	18:35	282	19:22
2024	Apr	20	(Sat)	05:28	06:14	78	12:25	87N	18:35	282	19:22
2024	Apr	21	(Sun)	05:28	06:14	78	12:25	87N	18:35	282	19:22
2024	Apr	22	(Mon)	05:27	06:14	77	12:24	87N	18:35	283	19:22
2024	Apr	23	(Tue)	05:27	06:13	77	12:24	86N	18:35	283	19:22
2024	Apr	24	(Wed)	05:26	06:13	77	12:24	86N	18:35	283	19:22
2024	Apr	25	(Thu)	05:26	06:12	76	12:24	86N	18:35	284	19:22
2024	Apr	26	(Fri)	05:25	06:12	76	12:24	85N	18:35	284	19:22
2024	Apr	27	(Sat)	05:25	06:12	76	12:24	85N	18:35	284	19:22
2024	Apr	28	(Sun)	05:24	06:11	75	12:23	85N	18:36	285	19:22
2024	Apr	29	(Mon)	05:24	06:11	75	12:23	85N	18:36	285	19:23
2024	Apr	30	(Tue)	05:24	06:11	75	12:23	84N	18:36	285	19:23
2024	May	01	(Wed)	05:23	06:10	75	12:23	84N	18:36	286	19:23

2024	May	02	(Thu)	05:23	06:10	74	12:23	84N	18:36	286	19:23
2024	May	03	(Fri)	05:22	06:10	74	12:23	83N	18:36	286	19:23
2024	May	04	(Sat)	05:22	06:09	74	12:23	83N	18:36	286	19:23
2024	May	05	(Sun)	05:22	06:09	73	12:23	83N	18:36	287	19:24
2024	May	06	(Mon)	05:21	06:09	73	12:23	82N	18:36	287	19:24
2024	May	07	(Tue)	05:21	06:09	73	12:22	82N	18:36	287	19:24
2024	May	08	(Wed)	05:21	06:08	73	12:22	82N	18:36	288	19:24
2024	May	09	(Thu)	05:20	06:08	72	12:22	82N	18:37	288	19:24
2024	May	10	(Fri)	05:20	06:08	72	12:22	81N	18:37	288	19:25
2024	May	11	(Sat)	05:20	06:08	72	12:22	81N	18:37	288	19:25
2024	May	12	(Sun)	05:20	06:08	71	12:22	81N	18:37	289	19:25
2024	May	13	(Mon)	05:19	06:07	71	12:22	81N	18:37	289	19:25
2024	May	14	(Tue)	05:19	06:07	71	12:22	80N	18:37	289	19:26
2024	May	15	(Wed)	05:19	06:07	71	12:22	80N	18:38	289	19:26
2024	May	16	(Thu)	05:19	06:07	70	12:22	80N	18:38	290	19:26
2024	May	17	(Fri)	05:18	06:07	70	12:22	80N	18:38	290	19:26
2024	May	18	(Sat)	05:18	06:07	70	12:22	79N	18:38	290	19:27
2024	May	19	(Sun)	05:18	06:07	70	12:22	79N	18:38	290	19:27
2024	May	20	(Mon)	05:18	06:06	70	12:22	79N	18:39	291	19:27
2024	May	21	(Tue)	05:18	06:06	69	12:23	79N	18:39	291	19:27
2024	May	22	(Wed)	05:18	06:06	69	12:23	79N	18:39	291	19:28
2024	May	23	(Thu)	05:18	06:06	69	12:23	78N	18:39	291	19:28
2024	May	24	(Fri)	05:17	06:06	69	12:23	78N	18:39	291	19:28
2024	May	25	(Sat)	05:17	06:06	69	12:23	78N	18:40	291	19:29
2024	May	26	(Sun)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2024	May	27	(Mon)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2024	May	28	(Tue)	05:17	06:06	68	12:23	78N	18:40	292	19:29
2024	May	29	(Wed)	05:17	06:06	68	12:23	77N	18:41	292	19:30
2024	May	30	(Thu)	05:17	06:06	68	12:23	77N	18:41	292	19:30
2024	May	31	(Fri)	05:17	06:06	68	12:24	77N	18:41	292	19:30
2024	Jun	01	(Sat)	05:17	06:06	68	12:24	77N	18:41	293	19:31
2024	Jun	02	(Sun)	05:17	06:06	67	12:24	77N	18:42	293	19:31
2024	Jun	03	(Mon)	05:17	06:06	67	12:24	77N	18:42	293	19:31
2024	Jun	04	(Tue)	05:17	06:07	67	12:24	77N	18:42	293	19:32
2024	Jun	05	(Wed)	05:17	06:07	67	12:24	77N	18:42	293	19:32
2024	Jun	06	(Thu)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2024	Jun	07	(Fri)	05:17	06:07	67	12:25	76N	18:43	293	19:32
2024	Jun	08	(Sat)	05:17	06:07	67	12:25	76N	18:43	293	19:33
2024	Jun	09	(Sun)	05:17	06:07	67	12:25	76N	18:43	293	19:33
2024	Jun	10	(Mon)	05:18	06:07	67	12:25	76N	18:44	293	19:33
2024	Jun	11	(Tue)	05:18	06:07	66	12:26	76N	18:44	294	19:34
2024	Jun	12	(Wed)	05:18	06:08	66	12:26	76N	18:44	294	19:34
2024	Jun	13	(Thu)	05:18	06:08	66	12:26	76N	18:44	294	19:34
2024	Jun	14	(Fri)	05:18	06:08	66	12:26	76N	18:45	294	19:34
2024	Jun	15	(Sat)	05:18	06:08	66	12:26	76N	18:45	294	19:35
2024	Jun	16	(Sun)	05:18	06:08	66	12:27	76N	18:45	294	19:35
2024	Jun	17	(Mon)	05:19	06:08	66	12:27	76N	18:45	294	19:35
2024	Jun	18	(Tue)	05:19	06:09	66	12:27	76N	18:46	294	19:35
2024	Jun	19	(Wed)	05:19	06:09	66	12:27	76N	18:46	294	19:36
2024	Jun	20	(Thu)	05:19	06:09	66	12:28	76N	18:46	294	19:36
2024	Jun	21	(Fri)	05:19	06:09	66	12:28	76N	18:46	294	19:36
2024	Jun	22	(Sat)	05:20	06:10	66	12:28	76N	18:46	294	19:36
2024	Jun	23	(Sun)	05:20	06:10	66	12:28	76N	18:47	294	19:36
2024	Jun	24	(Mon)	05:20	06:10	66	12:28	76N	18:47	294	19:37
2024	Jun	25	(Tue)	05:20	06:10	66	12:29	76N	18:47	294	19:37
2024	Jun	26	(Wed)	05:21	06:10	66	12:29	76N	18:47	294	19:37
2024	Jun	27	(Thu)	05:21	06:11	66	12:29	76N	18:47	294	19:37
2024	Jun	28	(Fri)	05:21	06:11	66	12:29	76N	18:48	294	19:37
2024	Jun	29	(Sat)	05:21	06:11	66	12:29	76N	18:48	294	19:37
2024	Jun	30	(Sun)	05:22	06:11	66	12:30	76N	18:48	294	19:38
2024	Jul	01	(Mon)	05:22	06:12	67	12:30	76N	18:48	293	19:38
2024	Jul	02	(Tue)	05:22	06:12	67	12:30	76N	18:48	293	19:38
2024	Jul	03	(Wed)	05:22	06:12	67	12:30	76N	18:48	293	19:38
2024	Jul	04	(Thu)	05:23	06:12	67	12:30	76N	18:48	293	19:38
2024	Jul	05	(Fri)	05:23	06:13	67	12:31	76N	18:49	293	19:38
2024	Jul	06	(Sat)	05:23	06:13	67	12:31	77N	18:49	293	19:38
2024	Jul	07	(Sun)	05:24	06:13	67	12:31	77N	18:49	293	19:38

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

2024 Sep 13 (Fri)	05:31	06:16	86	12:22	86S	18:27	274	19:12
2024 Sep 14 (Sat)	05:31	06:16	87	12:21	85S	18:27	273	19:12
2024 Sep 15 (Sun)	05:31	06:16	87	12:21	85S	18:26	273	19:11
2024 Sep 16 (Mon)	05:31	06:16	87	12:21	85S	18:25	272	19:11
2024 Sep 17 (Tue)	05:31	06:16	88	12:20	84S	18:25	272	19:10
2024 Sep 18 (Wed)	05:30	06:16	88	12:20	84S	18:24	272	19:09
2024 Sep 19 (Thu)	05:30	06:16	88	12:20	84S	18:24	271	19:09
2024 Sep 20 (Fri)	05:30	06:15	89	12:19	83S	18:23	271	19:08
2024 Sep 21 (Sat)	05:30	06:15	89	12:19	83S	18:22	271	19:08
2024 Sep 22 (Sun)	05:30	06:15	90	12:19	82S	18:22	270	19:07
2024 Sep 23 (Mon)	05:30	06:15	90	12:18	82S	18:21	270	19:06
2024 Sep 24 (Tue)	05:30	06:15	90	12:18	82S	18:21	269	19:06
2024 Sep 25 (Wed)	05:30	06:15	91	12:17	81S	18:20	269	19:05
2024 Sep 26 (Thu)	05:30	06:15	91	12:17	81S	18:20	269	19:05
2024 Sep 27 (Fri)	05:29	06:15	92	12:17	80S	18:19	268	19:04
2024 Sep 28 (Sat)	05:29	06:14	92	12:16	80S	18:18	268	19:04
2024 Sep 29 (Sun)	05:29	06:14	92	12:16	80S	18:18	267	19:03
2024 Sep 30 (Mon)	05:29	06:14	93	12:16	79S	18:17	267	19:02
2024 Oct 01 (Tue)	05:29	06:14	93	12:15	79S	18:17	267	19:02
2024 Oct 02 (Wed)	05:29	06:14	94	12:15	78S	18:16	266	19:01
2024 Oct 03 (Thu)	05:29	06:14	94	12:15	78S	18:16	266	19:01
2024 Oct 04 (Fri)	05:29	06:14	94	12:15	78S	18:15	265	19:00
2024 Oct 05 (Sat)	05:29	06:14	95	12:14	77S	18:15	265	19:00
2024 Oct 06 (Sun)	05:28	06:14	95	12:14	77S	18:14	265	18:59
2024 Oct 07 (Mon)	05:28	06:14	96	12:14	77S	18:14	264	18:59
2024 Oct 08 (Tue)	05:28	06:14	96	12:13	76S	18:13	264	18:58
2024 Oct 09 (Wed)	05:28	06:14	96	12:13	76S	18:13	264	18:58
2024 Oct 10 (Thu)	05:28	06:14	97	12:13	75S	18:12	263	18:57
2024 Oct 11 (Fri)	05:28	06:14	97	12:13	75S	18:12	263	18:57
2024 Oct 12 (Sat)	05:28	06:13	97	12:12	75S	18:11	262	18:57
2024 Oct 13 (Sun)	05:28	06:13	98	12:12	74S	18:11	262	18:56
2024 Oct 14 (Mon)	05:28	06:13	98	12:12	74S	18:10	262	18:56
2024 Oct 15 (Tue)	05:28	06:13	99	12:12	74S	18:10	261	18:55
2024 Oct 16 (Wed)	05:28	06:13	99	12:11	73S	18:09	261	18:55
2024 Oct 17 (Thu)	05:28	06:13	99	12:11	73S	18:09	260	18:55
2024 Oct 18 (Fri)	05:28	06:13	100	12:11	72S	18:08	260	18:54
2024 Oct 19 (Sat)	05:28	06:13	100	12:11	72S	18:08	260	18:54
2024 Oct 20 (Sun)	05:28	06:14	100	12:11	72S	18:08	259	18:53
2024 Oct 21 (Mon)	05:28	06:14	101	12:10	71S	18:07	259	18:53
2024 Oct 22 (Tue)	05:28	06:14	101	12:10	71S	18:07	259	18:53
2024 Oct 23 (Wed)	05:28	06:14	101	12:10	71S	18:07	258	18:53
2024 Oct 24 (Thu)	05:28	06:14	102	12:10	70S	18:06	258	18:52
2024 Oct 25 (Fri)	05:28	06:14	102	12:10	70S	18:06	258	18:52
2024 Oct 26 (Sat)	05:28	06:14	103	12:10	70S	18:06	257	18:52
2024 Oct 27 (Sun)	05:28	06:14	103	12:10	69S	18:05	257	18:52
2024 Oct 28 (Mon)	05:28	06:14	103	12:10	69S	18:05	257	18:51
2024 Oct 29 (Tue)	05:28	06:14	104	12:10	69S	18:05	256	18:51
2024 Oct 30 (Wed)	05:28	06:14	104	12:10	68S	18:05	256	18:51
2024 Oct 31 (Thu)	05:28	06:15	104	12:10	68S	18:04	256	18:51
2024 Nov 01 (Fri)	05:28	06:15	105	12:09	68S	18:04	255	18:51
2024 Nov 02 (Sat)	05:28	06:15	105	12:09	67S	18:04	255	18:50
2024 Nov 03 (Sun)	05:29	06:15	105	12:09	67S	18:04	255	18:50
2024 Nov 04 (Mon)	05:29	06:15	105	12:09	67S	18:03	254	18:50
2024 Nov 05 (Tue)	05:29	06:16	106	12:09	66S	18:03	254	18:50
2024 Nov 06 (Wed)	05:29	06:16	106	12:10	66S	18:03	254	18:50
2024 Nov 07 (Thu)	05:29	06:16	106	12:10	66S	18:03	253	18:50
2024 Nov 08 (Fri)	05:29	06:16	107	12:10	66S	18:03	253	18:50
2024 Nov 09 (Sat)	05:30	06:17	107	12:10	65S	18:03	253	18:50
2024 Nov 10 (Sun)	05:30	06:17	107	12:10	65S	18:03	253	18:50
2024 Nov 11 (Mon)	05:30	06:17	108	12:10	65S	18:03	252	18:50
2024 Nov 12 (Tue)	05:30	06:17	108	12:10	64S	18:03	252	18:50
2024 Nov 13 (Wed)	05:30	06:18	108	12:10	64S	18:03	252	18:50
2024 Nov 14 (Thu)	05:31	06:18	108	12:10	64S	18:03	252	18:50
2024 Nov 15 (Fri)	05:31	06:18	109	12:11	64S	18:03	251	18:50
2024 Nov 16 (Sat)	05:31	06:19	109	12:11	63S	18:03	251	18:50
2024 Nov 17 (Sun)	05:31	06:19	109	12:11	63S	18:03	251	18:50
2024 Nov 18 (Mon)	05:32	06:19	109	12:11	63S	18:03	251	18:50

2024	Nov	19	(Tue)	05:32	06:20	110	12:11	63S	18:03	250	18:51
2024	Nov	20	(Wed)	05:32	06:20	110	12:12	62S	18:03	250	18:51
2024	Nov	21	(Thu)	05:33	06:21	110	12:12	62S	18:03	250	18:51
2024	Nov	22	(Fri)	05:33	06:21	110	12:12	62S	18:03	250	18:51
2024	Nov	23	(Sat)	05:33	06:21	110	12:12	62S	18:03	249	18:51
2024	Nov	24	(Sun)	05:34	06:22	111	12:13	62S	18:03	249	18:52
2024	Nov	25	(Mon)	05:34	06:22	111	12:13	61S	18:04	249	18:52
2024	Nov	26	(Tue)	05:34	06:23	111	12:13	61S	18:04	249	18:52
2024	Nov	27	(Wed)	05:35	06:23	111	12:14	61S	18:04	249	18:52
2024	Nov	28	(Thu)	05:35	06:24	111	12:14	61S	18:04	248	18:53
2024	Nov	29	(Fri)	05:36	06:24	112	12:14	61S	18:04	248	18:53
2024	Nov	30	(Sat)	05:36	06:24	112	12:15	61S	18:05	248	18:53
2024	Dec	01	(Sun)	05:36	06:25	112	12:15	60S	18:05	248	18:54
2024	Dec	02	(Mon)	05:37	06:25	112	12:15	60S	18:05	248	18:54
2024	Dec	03	(Tue)	05:37	06:26	112	12:16	60S	18:06	248	18:54
2024	Dec	04	(Wed)	05:38	06:26	112	12:16	60S	18:06	248	18:55
2024	Dec	05	(Thu)	05:38	06:27	113	12:17	60S	18:06	247	18:55
2024	Dec	06	(Fri)	05:39	06:27	113	12:17	60S	18:07	247	18:55
2024	Dec	07	(Sat)	05:39	06:28	113	12:17	60S	18:07	247	18:56
2024	Dec	08	(Sun)	05:40	06:28	113	12:18	59S	18:07	247	18:56
2024	Dec	09	(Mon)	05:40	06:29	113	12:18	59S	18:08	247	18:57
2024	Dec	10	(Tue)	05:41	06:29	113	12:19	59S	18:08	247	18:57
2024	Dec	11	(Wed)	05:41	06:30	113	12:19	59S	18:09	247	18:57
2024	Dec	12	(Thu)	05:42	06:30	113	12:20	59S	18:09	247	18:58
2024	Dec	13	(Fri)	05:42	06:31	113	12:20	59S	18:09	247	18:58
2024	Dec	14	(Sat)	05:43	06:31	113	12:21	59S	18:10	247	18:59
2024	Dec	15	(Sun)	05:43	06:32	113	12:21	59S	18:10	247	18:59
2024	Dec	16	(Mon)	05:44	06:32	113	12:22	59S	18:11	247	19:00
2024	Dec	17	(Tue)	05:44	06:33	114	12:22	59S	18:11	246	19:00
2024	Dec	18	(Wed)	05:45	06:34	114	12:23	59S	18:12	246	19:01
2024	Dec	19	(Thu)	05:45	06:34	114	12:23	59S	18:12	246	19:01
2024	Dec	20	(Fri)	05:46	06:35	114	12:24	59S	18:13	246	19:02
2024	Dec	21	(Sat)	05:46	06:35	114	12:24	59S	18:13	246	19:02
2024	Dec	22	(Sun)	05:47	06:36	114	12:25	59S	18:14	246	19:03
2024	Dec	23	(Mon)	05:47	06:36	114	12:25	59S	18:14	246	19:03
2024	Dec	24	(Tue)	05:48	06:37	114	12:26	59S	18:15	246	19:04
2024	Dec	25	(Wed)	05:48	06:37	114	12:26	59S	18:15	246	19:04
2024	Dec	26	(Thu)	05:48	06:37	113	12:27	59S	18:16	247	19:05
2024	Dec	27	(Fri)	05:49	06:38	113	12:27	59S	18:16	247	19:05
2024	Dec	28	(Sat)	05:49	06:38	113	12:28	59S	18:17	247	19:06
2024	Dec	29	(Sun)	05:50	06:39	113	12:28	59S	18:17	247	19:06
2024	Dec	30	(Mon)	05:50	06:39	113	12:29	59S	18:18	247	19:07
2024	Dec	31	(Tue)	05:51	06:40	113	12:29	59S	18:18	247	19:07

Sun

PhangNga

Location: E 98°31'26.4", N 8°26'45.5", 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)	06:17	06:40 113		12:29 59S	18:18 247		18:41
2024 Jan 02 (Tue)	06:18	06:40 113		12:30 59S	18:19 247		18:42
2024 Jan 03 (Wed)	06:18	06:41 113		12:30 59S	18:19 247		18:42
2024 Jan 04 (Thu)	06:18	06:41 113		12:30 59S	18:20 247		18:43
2024 Jan 05 (Fri)	06:19	06:41 113		12:31 60S	18:21 247		18:43
2024 Jan 06 (Sat)	06:19	06:42 113		12:31 60S	18:21 247		18:44
2024 Jan 07 (Sun)	06:20	06:42 113		12:32 60S	18:22 247		18:44
2024 Jan 08 (Mon)	06:20	06:43 112		12:32 60S	18:22 248		18:45
2024 Jan 09 (Tue)	06:20	06:43 112		12:33 60S	18:23 248		18:45
2024 Jan 10 (Wed)	06:21	06:43 112		12:33 60S	18:23 248		18:46
2024 Jan 11 (Thu)	06:21	06:43 112		12:34 60S	18:24 248		18:46

2024	Jan	12	(Fri)	06:21	06:44	112	12:34	61S	18:24	248	18:47
2024	Jan	13	(Sat)	06:22	06:44	112	12:34	61S	18:25	248	18:47
2024	Jan	14	(Sun)	06:22	06:44	112	12:35	61S	18:25	249	18:47
2024	Jan	15	(Mon)	06:22	06:45	111	12:35	61S	18:26	249	18:48
2024	Jan	16	(Tue)	06:22	06:45	111	12:35	61S	18:26	249	18:48
2024	Jan	17	(Wed)	06:23	06:45	111	12:36	61S	18:27	249	18:49
2024	Jan	18	(Thu)	06:23	06:45	111	12:36	62S	18:27	249	18:49
2024	Jan	19	(Fri)	06:23	06:45	111	12:36	62S	18:27	250	18:50
2024	Jan	20	(Sat)	06:23	06:46	110	12:37	62S	18:28	250	18:50
2024	Jan	21	(Sun)	06:24	06:46	110	12:37	62S	18:28	250	18:50
2024	Jan	22	(Mon)	06:24	06:46	110	12:37	62S	18:29	250	18:51
2024	Jan	23	(Tue)	06:24	06:46	110	12:38	63S	18:29	250	18:51
2024	Jan	24	(Wed)	06:24	06:46	109	12:38	63S	18:30	251	18:52
2024	Jan	25	(Thu)	06:24	06:46	109	12:38	63S	18:30	251	18:52
2024	Jan	26	(Fri)	06:24	06:46	109	12:38	63S	18:30	251	18:52
2024	Jan	27	(Sat)	06:24	06:46	109	12:38	64S	18:31	251	18:53
2024	Jan	28	(Sun)	06:24	06:46	108	12:39	64S	18:31	252	18:53
2024	Jan	29	(Mon)	06:24	06:46	108	12:39	64S	18:31	252	18:53
2024	Jan	30	(Tue)	06:25	06:46	108	12:39	64S	18:32	252	18:54
2024	Jan	31	(Wed)	06:25	06:46	108	12:39	65S	18:32	252	18:54
2024	Feb	01	(Thu)	06:25	06:46	107	12:39	65S	18:32	253	18:54
2024	Feb	02	(Fri)	06:25	06:46	107	12:39	65S	18:33	253	18:55
2024	Feb	03	(Sat)	06:25	06:46	107	12:40	66S	18:33	253	18:55
2024	Feb	04	(Sun)	06:24	06:46	107	12:40	66S	18:33	254	18:55
2024	Feb	05	(Mon)	06:24	06:46	106	12:40	66S	18:34	254	18:55
2024	Feb	06	(Tue)	06:24	06:46	106	12:40	66S	18:34	254	18:56
2024	Feb	07	(Wed)	06:24	06:46	106	12:40	67S	18:34	255	18:56
2024	Feb	08	(Thu)	06:24	06:46	105	12:40	67S	18:34	255	18:56
2024	Feb	09	(Fri)	06:24	06:46	105	12:40	67S	18:35	255	18:56
2024	Feb	10	(Sat)	06:24	06:45	105	12:40	68S	18:35	256	18:56
2024	Feb	11	(Sun)	06:24	06:45	104	12:40	68S	18:35	256	18:57
2024	Feb	12	(Mon)	06:24	06:45	104	12:40	68S	18:35	256	18:57
2024	Feb	13	(Tue)	06:23	06:45	104	12:40	69S	18:35	257	18:57
2024	Feb	14	(Wed)	06:23	06:45	103	12:40	69S	18:36	257	18:57
2024	Feb	15	(Thu)	06:23	06:44	103	12:40	69S	18:36	257	18:57
2024	Feb	16	(Fri)	06:23	06:44	103	12:40	70S	18:36	258	18:57
2024	Feb	17	(Sat)	06:23	06:44	102	12:40	70S	18:36	258	18:57
2024	Feb	18	(Sun)	06:22	06:44	102	12:40	70S	18:36	258	18:58
2024	Feb	19	(Mon)	06:22	06:43	102	12:40	71S	18:36	259	18:58
2024	Feb	20	(Tue)	06:22	06:43	101	12:40	71S	18:36	259	18:58
2024	Feb	21	(Wed)	06:21	06:43	101	12:40	72S	18:37	259	18:58
2024	Feb	22	(Thu)	06:21	06:42	100	12:39	72S	18:37	260	18:58
2024	Feb	23	(Fri)	06:21	06:42	100	12:39	72S	18:37	260	18:58
2024	Feb	24	(Sat)	06:20	06:42	100	12:39	73S	18:37	260	18:58
2024	Feb	25	(Sun)	06:20	06:41	99	12:39	73S	18:37	261	18:58
2024	Feb	26	(Mon)	06:20	06:41	99	12:39	73S	18:37	261	18:58
2024	Feb	27	(Tue)	06:19	06:41	99	12:39	74S	18:37	262	18:58
2024	Feb	28	(Wed)	06:19	06:40	98	12:39	74S	18:37	262	18:58
2024	Feb	29	(Thu)	06:19	06:40	98	12:38	74S	18:37	262	18:58
2024	Mar	01	(Fri)	06:18	06:39	97	12:38	75S	18:37	263	18:58
2024	Mar	02	(Sat)	06:18	06:39	97	12:38	75S	18:37	263	18:58
2024	Mar	03	(Sun)	06:17	06:38	97	12:38	76S	18:37	264	18:58
2024	Mar	04	(Mon)	06:17	06:38	96	12:38	76S	18:37	264	18:58
2024	Mar	05	(Tue)	06:17	06:38	96	12:37	76S	18:37	264	18:58
2024	Mar	06	(Wed)	06:16	06:37	96	12:37	77S	18:37	265	18:58
2024	Mar	07	(Thu)	06:16	06:37	95	12:37	77S	18:37	265	18:58
2024	Mar	08	(Fri)	06:15	06:36	95	12:37	78S	18:37	265	18:58
2024	Mar	09	(Sat)	06:15	06:36	94	12:36	78S	18:37	266	18:58
2024	Mar	10	(Sun)	06:14	06:35	94	12:36	78S	18:37	266	18:58
2024	Mar	11	(Mon)	06:14	06:35	94	12:36	79S	18:37	267	18:58
2024	Mar	12	(Tue)	06:13	06:34	93	12:36	79S	18:37	267	18:58
2024	Mar	13	(Wed)	06:13	06:34	93	12:35	80S	18:37	267	18:58
2024	Mar	14	(Thu)	06:12	06:33	92	12:35	80S	18:37	268	18:58
2024	Mar	15	(Fri)	06:12	06:33	92	12:35	80S	18:37	268	18:58
2024	Mar	16	(Sat)	06:11	06:32	92	12:34	81S	18:37	269	18:58
2024	Mar	17	(Sun)	06:11	06:32	91	12:34	81S	18:37	269	18:58
2024	Mar	18	(Mon)	06:10	06:31	91	12:34	82S	18:37	269	18:58

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

2024	May	25	(Sat)	05:44	06:06	69	12:23	78N	18:40	291	19:02
2024	May	26	(Sun)	05:44	06:06	68	12:23	78N	18:40	292	19:02
2024	May	27	(Mon)	05:44	06:06	68	12:23	78N	18:40	292	19:03
2024	May	28	(Tue)	05:44	06:06	68	12:23	78N	18:40	292	19:03
2024	May	29	(Wed)	05:44	06:06	68	12:23	77N	18:41	292	19:03
2024	May	30	(Thu)	05:44	06:06	68	12:23	77N	18:41	292	19:03
2024	May	31	(Fri)	05:44	06:06	68	12:24	77N	18:41	292	19:04
2024	Jun	01	(Sat)	05:44	06:06	68	12:24	77N	18:41	293	19:04
2024	Jun	02	(Sun)	05:44	06:06	67	12:24	77N	18:42	293	19:04
2024	Jun	03	(Mon)	05:44	06:06	67	12:24	77N	18:42	293	19:05
2024	Jun	04	(Tue)	05:44	06:07	67	12:24	77N	18:42	293	19:05
2024	Jun	05	(Wed)	05:44	06:07	67	12:24	77N	18:42	293	19:05
2024	Jun	06	(Thu)	05:44	06:07	67	12:25	76N	18:43	293	19:05
2024	Jun	07	(Fri)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2024	Jun	08	(Sat)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2024	Jun	09	(Sun)	05:44	06:07	67	12:25	76N	18:43	293	19:06
2024	Jun	10	(Mon)	05:44	06:07	67	12:25	76N	18:44	293	19:07
2024	Jun	11	(Tue)	05:45	06:07	66	12:26	76N	18:44	294	19:07
2024	Jun	12	(Wed)	05:45	06:08	66	12:26	76N	18:44	294	19:07
2024	Jun	13	(Thu)	05:45	06:08	66	12:26	76N	18:44	294	19:07
2024	Jun	14	(Fri)	05:45	06:08	66	12:26	76N	18:45	294	19:08
2024	Jun	15	(Sat)	05:45	06:08	66	12:26	76N	18:45	294	19:08
2024	Jun	16	(Sun)	05:45	06:08	66	12:27	76N	18:45	294	19:08
2024	Jun	17	(Mon)	05:46	06:08	66	12:27	76N	18:45	294	19:08
2024	Jun	18	(Tue)	05:46	06:09	66	12:27	76N	18:46	294	19:09
2024	Jun	19	(Wed)	05:46	06:09	66	12:27	76N	18:46	294	19:09
2024	Jun	20	(Thu)	05:46	06:09	66	12:28	76N	18:46	294	19:09
2024	Jun	21	(Fri)	05:46	06:09	66	12:28	76N	18:46	294	19:09
2024	Jun	22	(Sat)	05:47	06:10	66	12:28	76N	18:46	294	19:09
2024	Jun	23	(Sun)	05:47	06:10	66	12:28	76N	18:47	294	19:10
2024	Jun	24	(Mon)	05:47	06:10	66	12:28	76N	18:47	294	19:10
2024	Jun	25	(Tue)	05:47	06:10	66	12:29	76N	18:47	294	19:10
2024	Jun	26	(Wed)	05:48	06:10	66	12:29	76N	18:47	294	19:10
2024	Jun	27	(Thu)	05:48	06:11	66	12:29	76N	18:47	294	19:10
2024	Jun	28	(Fri)	05:48	06:11	66	12:29	76N	18:48	294	19:10
2024	Jun	29	(Sat)	05:48	06:11	66	12:29	76N	18:48	294	19:11
2024	Jun	30	(Sun)	05:48	06:11	66	12:30	76N	18:48	294	19:11
2024	Jul	01	(Mon)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2024	Jul	02	(Tue)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2024	Jul	03	(Wed)	05:49	06:12	67	12:30	76N	18:48	293	19:11
2024	Jul	04	(Thu)	05:50	06:12	67	12:30	76N	18:48	293	19:11
2024	Jul	05	(Fri)	05:50	06:13	67	12:31	76N	18:49	293	19:11
2024	Jul	06	(Sat)	05:50	06:13	67	12:31	77N	18:49	293	19:11
2024	Jul	07	(Sun)	05:50	06:13	67	12:31	77N	18:49	293	19:11
2024	Jul	08	(Mon)	05:51	06:13	67	12:31	77N	18:49	293	19:12
2024	Jul	09	(Tue)	05:51	06:14	67	12:31	77N	18:49	293	19:12
2024	Jul	10	(Wed)	05:51	06:14	67	12:31	77N	18:49	293	19:12
2024	Jul	11	(Thu)	05:51	06:14	68	12:31	77N	18:49	292	19:12
2024	Jul	12	(Fri)	05:52	06:14	68	12:32	77N	18:49	292	19:12
2024	Jul	13	(Sat)	05:52	06:14	68	12:32	77N	18:49	292	19:12
2024	Jul	14	(Sun)	05:52	06:15	68	12:32	78N	18:49	292	19:12
2024	Jul	15	(Mon)	05:52	06:15	68	12:32	78N	18:49	292	19:11
2024	Jul	16	(Tue)	05:53	06:15	68	12:32	78N	18:49	292	19:11
2024	Jul	17	(Wed)	05:53	06:15	68	12:32	78N	18:49	291	19:11
2024	Jul	18	(Thu)	05:53	06:16	69	12:32	78N	18:49	291	19:11
2024	Jul	19	(Fri)	05:53	06:16	69	12:32	78N	18:49	291	19:11
2024	Jul	20	(Sat)	05:53	06:16	69	12:32	79N	18:49	291	19:11
2024	Jul	21	(Sun)	05:54	06:16	69	12:32	79N	18:49	291	19:11
2024	Jul	22	(Mon)	05:54	06:16	69	12:32	79N	18:48	290	19:11
2024	Jul	23	(Tue)	05:54	06:16	70	12:32	79N	18:48	290	19:11
2024	Jul	24	(Wed)	05:54	06:17	70	12:32	79N	18:48	290	19:11
2024	Jul	25	(Thu)	05:54	06:17	70	12:32	80N	18:48	290	19:10
2024	Jul	26	(Fri)	05:55	06:17	70	12:32	80N	18:48	290	19:10
2024	Jul	27	(Sat)	05:55	06:17	70	12:32	80N	18:48	289	19:10
2024	Jul	28	(Sun)	05:55	06:17	71	12:32	80N	18:48	289	19:10
2024	Jul	29	(Mon)	05:55	06:17	71	12:32	81N	18:47	289	19:10
2024	Jul	30	(Tue)	05:55	06:17	71	12:32	81N	18:47	289	19:09

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

2024	Oct	06	(Sun)	05:53	06:14	95	12:14	77S	18:14	265	18:35
2024	Oct	07	(Mon)	05:53	06:14	96	12:14	77S	18:14	264	18:35
2024	Oct	08	(Tue)	05:53	06:14	96	12:13	76S	18:13	264	18:34
2024	Oct	09	(Wed)	05:53	06:14	96	12:13	76S	18:13	264	18:34
2024	Oct	10	(Thu)	05:53	06:14	97	12:13	75S	18:12	263	18:33
2024	Oct	11	(Fri)	05:52	06:14	97	12:13	75S	18:12	263	18:33
2024	Oct	12	(Sat)	05:52	06:13	97	12:12	75S	18:11	262	18:32
2024	Oct	13	(Sun)	05:52	06:13	98	12:12	74S	18:11	262	18:32
2024	Oct	14	(Mon)	05:52	06:13	98	12:12	74S	18:10	262	18:31
2024	Oct	15	(Tue)	05:52	06:13	99	12:12	74S	18:10	261	18:31
2024	Oct	16	(Wed)	05:52	06:13	99	12:11	73S	18:09	261	18:30
2024	Oct	17	(Thu)	05:52	06:13	99	12:11	73S	18:09	260	18:30
2024	Oct	18	(Fri)	05:52	06:13	100	12:11	72S	18:08	260	18:30
2024	Oct	19	(Sat)	05:52	06:13	100	12:11	72S	18:08	260	18:29
2024	Oct	20	(Sun)	05:52	06:14	100	12:11	72S	18:08	259	18:29
2024	Oct	21	(Mon)	05:52	06:14	101	12:10	71S	18:07	259	18:29
2024	Oct	22	(Tue)	05:52	06:14	101	12:10	71S	18:07	259	18:28
2024	Oct	23	(Wed)	05:52	06:14	101	12:10	71S	18:07	258	18:28
2024	Oct	24	(Thu)	05:52	06:14	102	12:10	70S	18:06	258	18:28
2024	Oct	25	(Fri)	05:53	06:14	102	12:10	70S	18:06	258	18:27
2024	Oct	26	(Sat)	05:53	06:14	103	12:10	70S	18:06	257	18:27
2024	Oct	27	(Sun)	05:53	06:14	103	12:10	69S	18:05	257	18:27
2024	Oct	28	(Mon)	05:53	06:14	103	12:10	69S	18:05	257	18:26
2024	Oct	29	(Tue)	05:53	06:14	104	12:10	69S	18:05	256	18:26
2024	Oct	30	(Wed)	05:53	06:14	104	12:10	68S	18:05	256	18:26
2024	Oct	31	(Thu)	05:53	06:15	104	12:10	68S	18:04	256	18:26
2024	Nov	01	(Fri)	05:53	06:15	105	12:09	68S	18:04	255	18:26
2024	Nov	02	(Sat)	05:53	06:15	105	12:09	67S	18:04	255	18:25
2024	Nov	03	(Sun)	05:54	06:15	105	12:09	67S	18:04	255	18:25
2024	Nov	04	(Mon)	05:54	06:15	105	12:09	67S	18:03	254	18:25
2024	Nov	05	(Tue)	05:54	06:16	106	12:09	66S	18:03	254	18:25
2024	Nov	06	(Wed)	05:54	06:16	106	12:10	66S	18:03	254	18:25
2024	Nov	07	(Thu)	05:54	06:16	106	12:10	66S	18:03	253	18:25
2024	Nov	08	(Fri)	05:55	06:16	107	12:10	66S	18:03	253	18:25
2024	Nov	09	(Sat)	05:55	06:17	107	12:10	65S	18:03	253	18:25
2024	Nov	10	(Sun)	05:55	06:17	107	12:10	65S	18:03	253	18:25
2024	Nov	11	(Mon)	05:55	06:17	108	12:10	65S	18:03	252	18:25
2024	Nov	12	(Tue)	05:56	06:17	108	12:10	64S	18:03	252	18:25
2024	Nov	13	(Wed)	05:56	06:18	108	12:10	64S	18:03	252	18:25
2024	Nov	14	(Thu)	05:56	06:18	108	12:10	64S	18:03	252	18:25
2024	Nov	15	(Fri)	05:56	06:18	109	12:11	64S	18:03	251	18:25
2024	Nov	16	(Sat)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2024	Nov	17	(Sun)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2024	Nov	18	(Mon)	05:57	06:19	109	12:11	63S	18:03	251	18:25
2024	Nov	19	(Tue)	05:58	06:20	110	12:11	63S	18:03	250	18:25
2024	Nov	20	(Wed)	05:58	06:20	110	12:12	62S	18:03	250	18:25
2024	Nov	21	(Thu)	05:58	06:21	110	12:12	62S	18:03	250	18:25
2024	Nov	22	(Fri)	05:59	06:21	110	12:12	62S	18:03	250	18:25
2024	Nov	23	(Sat)	05:59	06:21	110	12:12	62S	18:03	249	18:26
2024	Nov	24	(Sun)	05:59	06:22	111	12:13	62S	18:03	249	18:26
2024	Nov	25	(Mon)	06:00	06:22	111	12:13	61S	18:04	249	18:26
2024	Nov	26	(Tue)	06:00	06:23	111	12:13	61S	18:04	249	18:26
2024	Nov	27	(Wed)	06:01	06:23	111	12:14	61S	18:04	249	18:26
2024	Nov	28	(Thu)	06:01	06:24	111	12:14	61S	18:04	248	18:27
2024	Nov	29	(Fri)	06:02	06:24	112	12:14	61S	18:04	248	18:27
2024	Nov	30	(Sat)	06:02	06:24	112	12:15	61S	18:05	248	18:27
2024	Dec	01	(Sun)	06:02	06:25	112	12:15	60S	18:05	248	18:28
2024	Dec	02	(Mon)	06:03	06:25	112	12:15	60S	18:05	248	18:28
2024	Dec	03	(Tue)	06:03	06:26	112	12:16	60S	18:06	248	18:28
2024	Dec	04	(Wed)	06:04	06:26	112	12:16	60S	18:06	248	18:28
2024	Dec	05	(Thu)	06:04	06:27	113	12:17	60S	18:06	247	18:29
2024	Dec	06	(Fri)	06:05	06:27	113	12:17	60S	18:07	247	18:29
2024	Dec	07	(Sat)	06:05	06:28	113	12:17	60S	18:07	247	18:30
2024	Dec	08	(Sun)	06:06	06:28	113	12:18	59S	18:07	247	18:30
2024	Dec	09	(Mon)	06:06	06:29	113	12:18	59S	18:08	247	18:30
2024	Dec	10	(Tue)	06:07	06:29	113	12:19	59S	18:08	247	18:31
2024	Dec	11	(Wed)	06:07	06:30	113	12:19	59S	18:09	247	18:31

2024	Dec 12	(Thu)	06:08	06:30	113	12:20	59S	18:09	247	18:32
2024	Dec 13	(Fri)	06:08	06:31	113	12:20	59S	18:09	247	18:32
2024	Dec 14	(Sat)	06:09	06:31	113	12:21	59S	18:10	247	18:33
2024	Dec 15	(Sun)	06:09	06:32	113	12:21	59S	18:10	247	18:33
2024	Dec 16	(Mon)	06:10	06:32	113	12:22	59S	18:11	247	18:33
2024	Dec 17	(Tue)	06:10	06:33	114	12:22	59S	18:11	246	18:34
2024	Dec 18	(Wed)	06:11	06:34	114	12:23	59S	18:12	246	18:34
2024	Dec 19	(Thu)	06:11	06:34	114	12:23	59S	18:12	246	18:35
2024	Dec 20	(Fri)	06:12	06:35	114	12:24	59S	18:13	246	18:35
2024	Dec 21	(Sat)	06:12	06:35	114	12:24	59S	18:13	246	18:36
2024	Dec 22	(Sun)	06:13	06:36	114	12:25	59S	18:14	246	18:36
2024	Dec 23	(Mon)	06:13	06:36	114	12:25	59S	18:14	246	18:37
2024	Dec 24	(Tue)	06:14	06:37	114	12:26	59S	18:15	246	18:37
2024	Dec 25	(Wed)	06:14	06:37	114	12:26	59S	18:15	246	18:38
2024	Dec 26	(Thu)	06:15	06:37	113	12:27	59S	18:16	247	18:38
2024	Dec 27	(Fri)	06:15	06:38	113	12:27	59S	18:16	247	18:39
2024	Dec 28	(Sat)	06:16	06:38	113	12:28	59S	18:17	247	18:39
2024	Dec 29	(Sun)	06:16	06:39	113	12:28	59S	18:17	247	18:40
2024	Dec 30	(Mon)	06:17	06:39	113	12:29	59S	18:18	247	18:40
2024	Dec 31	(Tue)	06:17	06:40	113	12:29	59S	18:18	247	18:41

Moon

PhangNga

Location: E 98°31'26.4", N 8°26'45.5", 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)	22:42	81		04:17	86N		10:34	282	
2024	Jan 02	(Tue)	23:25	86		04:58	90S		11:11	276	
2024	Jan 03	(Wed)				05:37	84S		11:47	271	
2024	Jan 04	(Thu)	00:08	92		06:16	78S		12:22	265	
2024	Jan 05	(Fri)	00:51	98		06:56	73S		13:00	259	
2024	Jan 06	(Sat)	01:37	104		07:39	67S		13:40	254	
2024	Jan 07	(Sun)	02:26	109		08:26	62S		14:24	249	
2024	Jan 08	(Mon)	03:20	113		09:18	58S		15:14	245	
2024	Jan 09	(Tue)	04:18	117		10:15	55S		16:11	242	
2024	Jan 10	(Wed)	05:20	118		11:16	54S		17:12	241	
2024	Jan 11	(Thu)	06:24	118		12:20	54S		18:17	243	
2024	Jan 12	(Fri)	07:25	116		13:23	57S		19:22	246	
2024	Jan 13	(Sat)	08:22	111		14:23	62S		20:24	251	
2024	Jan 14	(Sun)	09:15	106		15:18	68S		21:23	258	
2024	Jan 15	(Mon)	10:03	99		16:09	75S		22:18	265	
2024	Jan 16	(Tue)	10:48	92		16:58	82S		23:10	272	
2024	Jan 17	(Wed)	11:31	85		17:46	89S				
2024	Jan 18	(Thu)	12:15	78		18:34	86N		00:02	279	
2024	Jan 19	(Fri)	13:00	72		19:23	80N		00:55	285	
2024	Jan 20	(Sat)	13:48	68		20:15	76N		01:48	290	
2024	Jan 21	(Sun)	14:39	64		21:09	72N		02:43	294	
2024	Jan 22	(Mon)	15:32	62		22:04	71N		03:40	297	
2024	Jan 23	(Tue)	16:27	62		22:59	71N		04:36	298	
2024	Jan 24	(Wed)	17:22	63		23:52	72N		05:31	298	
2024	Jan 25	(Thu)	18:15	65					06:22	296	
2024	Jan 26	(Fri)	19:05	69		00:43	75N		07:09	293	
2024	Jan 27	(Sat)	19:53	74		01:30	79N		07:52	289	
2024	Jan 28	(Sun)	20:38	79		02:14	84N		08:32	284	
2024	Jan 29	(Mon)	21:21	84		02:55	89N		09:09	278	
2024	Jan 30	(Tue)	22:04	90		03:34	86S		09:45	273	
2024	Jan 31	(Wed)	22:46	96		04:13	80S		10:20	267	
2024	Feb 01	(Thu)	23:30	102		04:52	75S		10:56	261	
2024	Feb 02	(Fri)				05:33	69S		11:34	256	
2024	Feb 03	(Sat)	00:17	107		06:17	64S		12:16	251	
2024	Feb 04	(Sun)	01:07	112		07:05	59S		13:02	246	

2024 Feb 05 (Mon)	02:02	116	07:58	56S	13:54	243
2024 Feb 06 (Tue)	03:01	118	08:56	54S	14:52	241
2024 Feb 07 (Wed)	04:03	119	09:58	54S	15:55	242
2024 Feb 08 (Thu)	05:05	117	11:02	55S	17:00	244
2024 Feb 09 (Fri)	06:04	114	12:03	59S	18:04	248
2024 Feb 10 (Sat)	07:00	109	13:02	65S	19:05	254
2024 Feb 11 (Sun)	07:52	102	13:57	72S	20:04	261
2024 Feb 12 (Mon)	08:39	95	14:48	79S	21:00	269
2024 Feb 13 (Tue)	09:25	88	15:38	86S	21:54	276
2024 Feb 14 (Wed)	10:10	80	16:28	88N	22:48	283
2024 Feb 15 (Thu)	10:57	74	17:19	82N	23:43	289
2024 Feb 16 (Fri)	11:44	69	18:11	77N		
2024 Feb 17 (Sat)	12:35	65	19:04	73N	00:38	294
2024 Feb 18 (Sun)	13:28	62	20:00	71N	01:35	297
2024 Feb 19 (Mon)	14:22	61	20:55	70N	02:32	298
2024 Feb 20 (Tue)	15:17	62	21:48	72N	03:27	299
2024 Feb 21 (Wed)	16:10	64	22:39	74N	04:19	297
2024 Feb 22 (Thu)	17:01	68	23:27	78N	05:07	294
2024 Feb 23 (Fri)	17:50	72			05:51	290
2024 Feb 24 (Sat)	18:35	77	00:11	82N	06:31	286
2024 Feb 25 (Sun)	19:19	83	00:53	88N	07:09	280
2024 Feb 26 (Mon)	20:01	88	01:33	88S	07:45	275
2024 Feb 27 (Tue)	20:44	94	02:12	82S	08:20	269
2024 Feb 28 (Wed)	21:27	100	02:51	76S	08:56	263
2024 Feb 29 (Thu)	22:12	105	03:31	71S	09:33	257
2024 Mar 01 (Fri)	23:00	110	04:13	65S	10:13	252
2024 Mar 02 (Sat)	23:52	114	04:59	61S	10:56	248
2024 Mar 03 (Sun)			05:49	57S	11:44	244
2024 Mar 04 (Mon)	00:48	117	06:43	54S	12:38	242
2024 Mar 05 (Tue)	01:47	119	07:42	53S	13:37	241
2024 Mar 06 (Wed)	02:47	118	08:43	54S	14:39	243
2024 Mar 07 (Thu)	03:46	116	09:43	57S	15:42	246
2024 Mar 08 (Fri)	04:43	112	10:43	62S	16:44	251
2024 Mar 09 (Sat)	05:36	106	11:39	68S	17:44	257
2024 Mar 10 (Sun)	06:25	99	12:32	75S	18:41	265
2024 Mar 11 (Mon)	07:13	91	13:24	83S	19:38	272
2024 Mar 12 (Tue)	07:59	84	14:15	90S	20:34	280
2024 Mar 13 (Wed)	08:47	77	15:07	84N	21:30	286
2024 Mar 14 (Thu)	09:36	71	16:01	79N	22:28	292
2024 Mar 15 (Fri)	10:27	66	16:56	74N	23:26	296
2024 Mar 16 (Sat)	11:21	63	17:52	71N		
2024 Mar 17 (Sun)	12:16	61	18:49	70N	00:25	298
2024 Mar 18 (Mon)	13:12	61	19:44	71N	01:22	299
2024 Mar 19 (Tue)	14:06	63	20:36	73N	02:15	298
2024 Mar 20 (Wed)	14:58	66	21:25	76N	03:05	295
2024 Mar 21 (Thu)	15:47	70	22:10	81N	03:50	292
2024 Mar 22 (Fri)	16:33	75	22:52	86N	04:31	287
2024 Mar 23 (Sat)	17:17	81	23:32	90S	05:10	282
2024 Mar 24 (Sun)	18:00	86			05:46	276
2024 Mar 25 (Mon)	18:42	92	00:12	84S	06:21	271
2024 Mar 26 (Tue)	19:26	98	00:50	78S	06:57	265
2024 Mar 27 (Wed)	20:10	104	01:30	73S	07:33	259
2024 Mar 28 (Thu)	20:57	109	02:12	67S	08:12	254
2024 Mar 29 (Fri)	21:48	113	02:56	62S	08:54	249
2024 Mar 30 (Sat)	22:42	117	03:45	58S	09:41	245
2024 Mar 31 (Sun)	23:38	119	04:37	55S	10:32	242
2024 Apr 01 (Mon)			05:33	53S	11:28	241
2024 Apr 02 (Tue)	00:37	119	06:32	53S	12:27	242
2024 Apr 03 (Wed)	01:34	117	07:31	55S	13:28	244
2024 Apr 04 (Thu)	02:30	114	08:28	59S	14:28	248
2024 Apr 05 (Fri)	03:23	109	09:24	65S	15:27	254
2024 Apr 06 (Sat)	04:12	103	10:17	71S	16:24	261
2024 Apr 07 (Sun)	05:00	95	11:08	79S	17:19	268
2024 Apr 08 (Mon)	05:46	88	11:59	86S	18:15	276
2024 Apr 09 (Tue)	06:33	81	12:51	88N	19:12	283
2024 Apr 10 (Wed)	07:22	74	13:45	81N	20:10	289
2024 Apr 11 (Thu)	08:13	68	14:41	76N	21:10	294

2024 Apr 12 (Fri)	09:08 64	15:39 72N	22:11 297
2024 Apr 13 (Sat)	10:04 62	16:37 70N	23:11 299
2024 Apr 14 (Sun)	11:02 61	17:35 70N	
2024 Apr 15 (Mon)	11:59 62	18:30 72N	00:07 298
2024 Apr 16 (Tue)	12:52 65	19:20 75N	00:59 296
2024 Apr 17 (Wed)	13:43 69	20:07 79N	01:47 293
2024 Apr 18 (Thu)	14:30 73	20:50 84N	02:30 289
2024 Apr 19 (Fri)	15:15 79	21:31 89N	03:09 284
2024 Apr 20 (Sat)	15:58 84	22:11 86S	03:46 278
2024 Apr 21 (Sun)	16:40 90	22:49 80S	04:22 273
2024 Apr 22 (Mon)	17:23 96	23:29 75S	04:57 267
2024 Apr 23 (Tue)	18:07 102		05:33 261
2024 Apr 24 (Wed)	18:54 107	00:10 69S	06:11 255
2024 Apr 25 (Thu)	19:44 112	00:54 64S	06:53 250
2024 Apr 26 (Fri)	20:37 116	01:42 59S	07:38 246
2024 Apr 27 (Sat)	21:33 118	02:33 56S	08:28 243
2024 Apr 28 (Sun)	22:31 119	03:28 54S	09:23 241
2024 Apr 29 (Mon)	23:29 118	04:26 53S	10:21 241
2024 Apr 30 (Tue)		05:24 55S	11:20 243
2024 May 01 (Wed)	00:24 115	06:21 58S	12:20 247
2024 May 02 (Thu)	01:16 111	07:16 63S	13:17 252
2024 May 03 (Fri)	02:05 105	08:08 69S	14:13 258
2024 May 04 (Sat)	02:51 98	08:58 75S	15:07 265
2024 May 05 (Sun)	03:37 91	09:47 83S	16:01 272
2024 May 06 (Mon)	04:22 84	10:37 90S	16:55 280
2024 May 07 (Tue)	05:09 77	11:29 85N	17:52 286
2024 May 08 (Wed)	05:58 71	12:24 79N	18:51 292
2024 May 09 (Thu)	06:52 66	13:21 74N	19:52 296
2024 May 10 (Fri)	07:48 63	14:21 71N	20:54 298
2024 May 11 (Sat)	08:47 61	15:20 70N	21:54 299
2024 May 12 (Sun)	09:46 62	16:18 71N	22:49 297
2024 May 13 (Mon)	10:42 64	17:12 74N	23:40 295
2024 May 14 (Tue)	11:35 67	18:01 78N	
2024 May 15 (Wed)	12:24 72	18:46 82N	00:25 291
2024 May 16 (Thu)	13:10 77	19:28 87N	01:06 286
2024 May 17 (Fri)	13:54 82	20:08 88S	01:44 280
2024 May 18 (Sat)	14:37 88	20:47 83S	02:20 275
2024 May 19 (Sun)	15:19 94	21:26 77S	02:56 269
2024 May 20 (Mon)	16:03 100	22:07 71S	03:32 263
2024 May 21 (Tue)	16:49 105	22:50 65S	04:09 257
2024 May 22 (Wed)	17:38 110	23:36 61S	04:49 252
2024 May 23 (Thu)	18:30 114		05:34 248
2024 May 24 (Fri)	19:26 117	00:27 57S	06:23 244
2024 May 25 (Sat)	20:25 119	01:22 54S	07:17 242
2024 May 26 (Sun)	21:24 118	02:20 53S	08:15 241
2024 May 27 (Mon)	22:20 116	03:19 54S	09:15 243
2024 May 28 (Tue)	23:13 112	04:17 57S	10:15 246
2024 May 29 (Wed)		05:12 61S	11:12 250
2024 May 30 (Thu)	00:03 107	06:04 67S	12:08 256
2024 May 31 (Fri)	00:49 101	06:54 73S	13:01 263
2024 Jun 01 (Sat)	01:33 94	07:42 80S	13:53 270
2024 Jun 02 (Sun)	02:17 87	08:30 87S	14:46 277
2024 Jun 03 (Mon)	03:01 80	09:19 87N	15:40 284
2024 Jun 04 (Tue)	03:48 73	10:11 81N	16:37 290
2024 Jun 05 (Wed)	04:39 68	11:06 76N	17:36 294
2024 Jun 06 (Thu)	05:33 64	12:05 72N	18:37 297
2024 Jun 07 (Fri)	06:31 62	13:04 71N	19:38 299
2024 Jun 08 (Sat)	07:31 61	14:04 71N	20:36 298
2024 Jun 09 (Sun)	08:29 63	15:00 73N	21:30 296
2024 Jun 10 (Mon)	09:24 66	15:52 76N	22:18 292
2024 Jun 11 (Tue)	10:16 70	16:40 80N	23:01 288
2024 Jun 12 (Wed)	11:04 75	17:23 85N	23:41 282
2024 Jun 13 (Thu)	11:49 80	18:04 91S	
2024 Jun 14 (Fri)	12:32 86	18:43 85S	00:18 277
2024 Jun 15 (Sat)	13:14 92	19:22 79S	00:53 271
2024 Jun 16 (Sun)	13:57 98	20:02 73S	01:29 265
2024 Jun 17 (Mon)	14:42 103	20:44 68S	02:05 260

2024 Jun 18 (Tue)	15:29 108	21:29 62S	02:44 254
2024 Jun 19 (Wed)	16:20 113	22:18 58S	03:27 249
2024 Jun 20 (Thu)	17:15 116	23:11 55S	04:14 245
2024 Jun 21 (Fri)	18:14 118		05:07 242
2024 Jun 22 (Sat)	19:14 119	00:09 53S	06:04 241
2024 Jun 23 (Sun)	20:13 117	01:09 54S	07:05 242
2024 Jun 24 (Mon)	21:08 113	02:09 56S	08:06 245
2024 Jun 25 (Tue)	22:00 108	03:07 60S	09:06 249
2024 Jun 26 (Wed)	22:47 102	04:01 65S	10:03 254
2024 Jun 27 (Thu)	23:32 96	04:52 71S	10:58 261
2024 Jun 28 (Fri)		05:40 78S	11:50 268
2024 Jun 29 (Sat)	00:16 89	06:28 85S	12:42 275
2024 Jun 30 (Sun)	00:59 82	07:16 89N	13:35 282
2024 Jul 01 (Mon)	01:44 75	08:06 83N	14:29 288
2024 Jul 02 (Tue)	02:33 70	08:58 77N	15:26 293
2024 Jul 03 (Wed)	03:24 65	09:54 73N	16:25 296
2024 Jul 04 (Thu)	04:20 62	10:52 71N	17:25 298
2024 Jul 05 (Fri)	05:18 61	11:51 70N	18:24 298
2024 Jul 06 (Sat)	06:17 62	12:49 72N	19:20 297
2024 Jul 07 (Sun)	07:13 64	13:42 75N	20:10 294
2024 Jul 08 (Mon)	08:07 68	14:32 79N	20:56 289
2024 Jul 09 (Tue)	08:56 73	15:17 83N	21:37 284
2024 Jul 10 (Wed)	09:42 78	16:00 89N	22:15 279
2024 Jul 11 (Thu)	10:26 84	16:39 87S	22:51 273
2024 Jul 12 (Fri)	11:09 90	17:18 81S	23:26 267
2024 Jul 13 (Sat)	11:51 96	17:57 75S	
2024 Jul 14 (Sun)	12:35 101	18:38 70S	00:02 262
2024 Jul 15 (Mon)	13:20 107	19:21 64S	00:39 256
2024 Jul 16 (Tue)	14:09 111	20:07 60S	01:20 251
2024 Jul 17 (Wed)	15:02 115	20:59 56S	02:04 247
2024 Jul 18 (Thu)	15:59 118	21:54 54S	02:54 243
2024 Jul 19 (Fri)	16:59 119	22:54 53S	03:50 242
2024 Jul 20 (Sat)	17:59 118	23:55 55S	04:49 241
2024 Jul 21 (Sun)	18:57 115		05:52 243
2024 Jul 22 (Mon)	19:51 110	00:55 58S	06:54 247
2024 Jul 23 (Tue)	20:42 105	01:52 63S	07:54 252
2024 Jul 24 (Wed)	21:29 98	02:45 69S	08:50 259
2024 Jul 25 (Thu)	22:14 91	03:36 76S	09:45 266
2024 Jul 26 (Fri)	22:58 84	04:25 83S	10:38 273
2024 Jul 27 (Sat)	23:43 77	05:13 90S	11:31 280
2024 Jul 28 (Sun)		06:03 84N	12:25 286
2024 Jul 29 (Mon)	00:30 71	06:55 79N	13:21 292
2024 Jul 30 (Tue)	01:20 66	07:49 74N	14:19 296
2024 Jul 31 (Wed)	02:14 63	08:46 71N	15:18 298
2024 Aug 01 (Thu)	03:11 61	09:44 70N	16:17 299
2024 Aug 02 (Fri)	04:08 62	10:41 71N	17:12 298
2024 Aug 03 (Sat)	05:05 63	11:35 73N	18:04 295
2024 Aug 04 (Sun)	05:59 67	12:26 77N	18:51 291
2024 Aug 05 (Mon)	06:50 71	13:12 81N	19:33 286
2024 Aug 06 (Tue)	07:37 76	13:56 87N	20:12 281
2024 Aug 07 (Wed)	08:22 82	14:36 89S	20:49 275
2024 Aug 08 (Thu)	09:05 88	15:15 83S	21:24 269
2024 Aug 09 (Fri)	09:47 93	15:54 77S	22:00 264
2024 Aug 10 (Sat)	10:30 99	16:34 71S	22:36 258
2024 Aug 11 (Sun)	11:14 105	17:15 66S	23:15 253
2024 Aug 12 (Mon)	12:01 110	17:59 61S	23:57 248
2024 Aug 13 (Tue)	12:51 114	18:48 57S	
2024 Aug 14 (Wed)	13:45 117	19:40 55S	00:43 245
2024 Aug 15 (Thu)	14:43 119	20:37 53S	01:35 242
2024 Aug 16 (Fri)	15:42 119	21:37 54S	02:32 241
2024 Aug 17 (Sat)	16:41 117	22:37 56S	03:33 242
2024 Aug 18 (Sun)	17:37 113	23:36 60S	04:35 245
2024 Aug 19 (Mon)	18:30 107		05:37 250
2024 Aug 20 (Tue)	19:20 101	00:32 66S	06:36 256
2024 Aug 21 (Wed)	20:07 94	01:25 73S	07:33 263
2024 Aug 22 (Thu)	20:52 86	02:16 80S	08:28 270
2024 Aug 23 (Fri)	21:38 79	03:07 88S	09:23 278

2024 Aug 24 (Sat)	22:26	73	03:57	87N	10:18	284
2024 Aug 25 (Sun)	23:16	67	04:50	80N	11:15	290
2024 Aug 26 (Mon)			05:44	75N	12:14	295
2024 Aug 27 (Tue)	00:10	64	06:41	72N	13:13	298
2024 Aug 28 (Wed)	01:06	61	07:39	70N	14:12	299
2024 Aug 29 (Thu)	02:03	61	08:36	71N	15:08	298
2024 Aug 30 (Fri)	03:00	63	09:31	72N	16:01	296
2024 Aug 31 (Sat)	03:54	65	10:22	76N	16:48	293
2024 Sep 01 (Sun)	04:46	69	11:10	80N	17:32	288
2024 Sep 02 (Mon)	05:34	74	11:54	85N	18:12	283
2024 Sep 03 (Tue)	06:19	80	12:35	90N	18:49	277
2024 Sep 04 (Wed)	07:02	86	13:14	85S	19:24	271
2024 Sep 05 (Thu)	07:44	91	13:53	79S	19:59	266
2024 Sep 06 (Fri)	08:27	97	14:32	73S	20:35	260
2024 Sep 07 (Sat)	09:10	103	15:12	68S	21:13	255
2024 Sep 08 (Sun)	09:56	108	15:55	63S	21:53	250
2024 Sep 09 (Mon)	10:44	113	16:41	59S	22:37	246
2024 Sep 10 (Tue)	11:36	116	17:31	55S	23:26	243
2024 Sep 11 (Wed)	12:30	118	18:25	53S		
2024 Sep 12 (Thu)	13:28	119	19:22	53S	00:19	241
2024 Sep 13 (Fri)	14:25	118	20:21	55S	01:17	241
2024 Sep 14 (Sat)	15:22	115	21:19	58S	02:17	243
2024 Sep 15 (Sun)	16:15	111	22:15	63S	03:18	247
2024 Sep 16 (Mon)	17:06	104	23:09	69S	04:17	252
2024 Sep 17 (Tue)	17:54	97			05:15	259
2024 Sep 18 (Wed)	18:41	90	00:02	76S	06:12	266
2024 Sep 19 (Thu)	19:28	82	00:53	84S	07:08	274
2024 Sep 20 (Fri)	20:17	75	01:45	90N	08:05	281
2024 Sep 21 (Sat)	21:08	69	02:39	83N	09:03	288
2024 Sep 22 (Sun)	22:02	65	03:34	77N	10:03	293
2024 Sep 23 (Mon)	22:59	62	04:32	73N	11:04	297
2024 Sep 24 (Tue)	23:57	61	05:32	71N	12:05	299
2024 Sep 25 (Wed)			06:30	70N	13:03	299
2024 Sep 26 (Thu)	00:55	62	07:27	72N	13:58	297
2024 Sep 27 (Fri)	01:50	64	08:19	74N	14:47	294
2024 Sep 28 (Sat)	02:43	68	09:08	78N	15:31	290
2024 Sep 29 (Sun)	03:31	73	09:53	83N	16:12	285
2024 Sep 30 (Mon)	04:17	78	10:34	89N	16:49	279
2024 Oct 01 (Tue)	05:01	84	11:14	87S	17:25	273
2024 Oct 02 (Wed)	05:43	90	11:53	81S	18:00	268
2024 Oct 03 (Thu)	06:25	95	12:31	75S	18:36	262
2024 Oct 04 (Fri)	07:08	101	13:11	70S	19:13	256
2024 Oct 05 (Sat)	07:53	106	13:53	64S	19:52	251
2024 Oct 06 (Sun)	08:40	111	14:38	60S	20:35	247
2024 Oct 07 (Mon)	09:31	115	15:26	56S	21:21	244
2024 Oct 08 (Tue)	10:24	118	16:18	54S	22:12	241
2024 Oct 09 (Wed)	11:19	119	17:13	53S	23:07	241
2024 Oct 10 (Thu)	12:15	119	18:10	54S		
2024 Oct 11 (Fri)	13:10	117	19:06	56S	00:05	242
2024 Oct 12 (Sat)	14:03	113	20:01	60S	01:03	245
2024 Oct 13 (Sun)	14:53	108	20:55	66S	02:01	250
2024 Oct 14 (Mon)	15:41	101	21:46	73S	02:58	255
2024 Oct 15 (Tue)	16:28	94	22:37	80S	03:54	262
2024 Oct 16 (Wed)	17:14	86	23:29	88S	04:49	270
2024 Oct 17 (Thu)	18:02	79			05:45	277
2024 Oct 18 (Fri)	18:53	72	00:22	86N	06:44	285
2024 Oct 19 (Sat)	19:47	67	01:17	80N	07:44	291
2024 Oct 20 (Sun)	20:45	63	02:16	75N	08:47	295
2024 Oct 21 (Mon)	21:45	61	03:17	71N	09:51	298
2024 Oct 22 (Tue)	22:45	61	04:19	70N	10:53	299
2024 Oct 23 (Wed)	23:43	63	05:18	71N	11:50	298
2024 Oct 24 (Thu)			06:14	73N	12:43	295
2024 Oct 25 (Fri)	00:38	67	07:04	77N	13:29	291
2024 Oct 26 (Sat)	01:28	71	07:51	82N	14:11	286
2024 Oct 27 (Sun)	02:15	76	08:33	87N	14:50	281
2024 Oct 28 (Mon)	02:59	82	09:13	89S	15:26	275
2024 Oct 29 (Tue)	03:42	88	09:52	83S	16:01	269

2024	Oct	30	(Wed)	04:24	93	10:31	77S	16:36	264
2024	Oct	31	(Thu)	05:06	99	11:10	71S	17:13	258
2024	Nov	01	(Fri)	05:51	105	11:52	66S	17:51	253
2024	Nov	02	(Sat)	06:38	110	12:36	61S	18:33	248
2024	Nov	03	(Sun)	07:27	114	13:24	57S	19:19	245
2024	Nov	04	(Mon)	08:20	117	14:15	55S	20:09	242
2024	Nov	05	(Tue)	09:14	119	15:09	53S	21:03	241
2024	Nov	06	(Wed)	10:10	119	16:04	53S	21:59	242
2024	Nov	07	(Thu)	11:05	117	17:00	55S	22:56	244
2024	Nov	08	(Fri)	11:57	114	17:54	59S	23:53	248
2024	Nov	09	(Sat)	12:47	110	18:46	64S		
2024	Nov	10	(Sun)	13:33	104	19:37	70S	00:48	253
2024	Nov	11	(Mon)	14:19	97	20:26	77S	01:42	259
2024	Nov	12	(Tue)	15:03	90	21:15	84S	02:35	266
2024	Nov	13	(Wed)	15:49	83	22:05	90N	03:29	274
2024	Nov	14	(Thu)	16:37	76	22:59	83N	04:24	281
2024	Nov	15	(Fri)	17:29	70	23:56	77N	05:23	288
2024	Nov	16	(Sat)	18:25	65			06:25	293
2024	Nov	17	(Sun)	19:26	62	00:57	73N	07:29	297
2024	Nov	18	(Mon)	20:28	61	02:00	71N	08:34	299
2024	Nov	19	(Tue)	21:29	62	03:02	70N	09:36	298
2024	Nov	20	(Wed)	22:27	65	04:01	72N	10:32	296
2024	Nov	21	(Thu)	23:21	69	04:56	75N	11:23	293
2024	Nov	22	(Fri)			05:45	80N	12:07	288
2024	Nov	23	(Sat)	00:10	74	06:30	85N	12:48	283
2024	Nov	24	(Sun)	00:55	80	07:11	91N	13:25	277
2024	Nov	25	(Mon)	01:39	86	07:51	85S	14:01	271
2024	Nov	26	(Tue)	02:21	92	08:29	79S	14:36	266
2024	Nov	27	(Wed)	03:03	97	09:08	73S	15:12	260
2024	Nov	28	(Thu)	03:47	103	09:49	68S	15:50	255
2024	Nov	29	(Fri)	04:33	108	10:32	63S	16:30	250
2024	Nov	30	(Sat)	05:22	112	11:19	59S	17:15	246
2024	Dec	01	(Sun)	06:14	116	12:09	55S	18:04	243
2024	Dec	02	(Mon)	07:09	118	13:03	54S	18:58	241
2024	Dec	03	(Tue)	08:05	119	13:59	53S	19:54	241
2024	Dec	04	(Wed)	09:01	118	14:56	55S	20:52	243
2024	Dec	05	(Thu)	09:54	115	15:51	58S	21:49	247
2024	Dec	06	(Fri)	10:44	111	16:43	62S	22:44	252
2024	Dec	07	(Sat)	11:31	106	17:33	68S	23:37	257
2024	Dec	08	(Sun)	12:16	99	18:21	74S		
2024	Dec	09	(Mon)	12:59	92	19:08	81S	00:29	264
2024	Dec	10	(Tue)	13:42	85	19:56	89S	01:20	271
2024	Dec	11	(Wed)	14:27	79	20:46	86N	02:13	278
2024	Dec	12	(Thu)	15:16	72	21:40	80N	03:08	285
2024	Dec	13	(Fri)	16:09	67	22:38	75N	04:06	291
2024	Dec	14	(Sat)	17:06	63	23:39	72N	05:08	295
2024	Dec	15	(Sun)	18:08	61			06:13	298
2024	Dec	16	(Mon)	19:10	62	00:42	70N	07:16	299
2024	Dec	17	(Tue)	20:11	64	01:44	71N	08:16	297
2024	Dec	18	(Wed)	21:08	68	02:42	74N	09:11	294
2024	Dec	19	(Thu)	22:00	72	03:34	78N	09:59	290
2024	Dec	20	(Fri)	22:48	78	04:22	83N	10:42	285
2024	Dec	21	(Sat)	23:33	83	05:06	88N	11:21	279
2024	Dec	22	(Sun)			05:46	87S	11:58	274
2024	Dec	23	(Mon)	00:16	89	06:26	81S	12:34	268
2024	Dec	24	(Tue)	00:58	95	07:05	75S	13:09	262
2024	Dec	25	(Wed)	01:41	101	07:45	70S	13:46	256
2024	Dec	26	(Thu)	02:26	106	08:27	65S	14:25	251
2024	Dec	27	(Fri)	03:14	111	09:12	60S	15:09	247
2024	Dec	28	(Sat)	04:05	115	10:01	57S	15:56	244
2024	Dec	29	(Sun)	04:59	118	10:54	54S	16:48	242
2024	Dec	30	(Mon)	05:55	119	11:50	53S	17:45	241
2024	Dec	31	(Tue)	06:52	118	12:47	54S	18:43	243