

Sun

Phuket

Location: E 98°25'22.8", N 7°50'02.3", 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)	05:50	06:39 113		12:30 60S	18:20 247		19:09
2024 Jan 02 (Tue)	05:51	06:40 113		12:30 60S	18:20 247		19:09
2024 Jan 03 (Wed)	05:51	06:40 113		12:30 60S	18:21 247		19:10
2024 Jan 04 (Thu)	05:52	06:40 113		12:31 60S	18:21 247		19:10
2024 Jan 05 (Fri)	05:52	06:41 113		12:31 60S	18:22 247		19:11
2024 Jan 06 (Sat)	05:53	06:41 113		12:32 60S	18:22 247		19:11
2024 Jan 07 (Sun)	05:53	06:42 113		12:32 60S	18:23 247		19:12
2024 Jan 08 (Mon)	05:53	06:42 112		12:33 61S	18:24 248		19:12
2024 Jan 09 (Tue)	05:54	06:42 112		12:33 61S	18:24 248		19:12
2024 Jan 10 (Wed)	05:54	06:43 112		12:34 61S	18:25 248		19:13
2024 Jan 11 (Thu)	05:54	06:43 112		12:34 61S	18:25 248		19:13
2024 Jan 12 (Fri)	05:55	06:43 112		12:34 61S	18:25 248		19:14
2024 Jan 13 (Sat)	05:55	06:43 112		12:35 61S	18:26 248		19:14
2024 Jan 14 (Sun)	05:56	06:44 112		12:35 61S	18:26 249		19:15
2024 Jan 15 (Mon)	05:56	06:44 111		12:35 62S	18:27 249		19:15
2024 Jan 16 (Tue)	05:56	06:44 111		12:36 62S	18:27 249		19:16
2024 Jan 17 (Wed)	05:56	06:44 111		12:36 62S	18:28 249		19:16
2024 Jan 18 (Thu)	05:57	06:45 111		12:36 62S	18:28 249		19:16
2024 Jan 19 (Fri)	05:57	06:45 111		12:37 62S	18:29 250		19:17
2024 Jan 20 (Sat)	05:57	06:45 110		12:37 63S	18:29 250		19:17
2024 Jan 21 (Sun)	05:57	06:45 110		12:37 63S	18:30 250		19:17
2024 Jan 22 (Mon)	05:58	06:45 110		12:38 63S	18:30 250		19:18
2024 Jan 23 (Tue)	05:58	06:46 110		12:38 63S	18:30 250		19:18
2024 Jan 24 (Wed)	05:58	06:46 109		12:38 64S	18:31 251		19:18
2024 Jan 25 (Thu)	05:58	06:46 109		12:38 64S	18:31 251		19:19
2024 Jan 26 (Fri)	05:58	06:46 109		12:39 64S	18:32 251		19:19
2024 Jan 27 (Sat)	05:59	06:46 109		12:39 64S	18:32 251		19:19
2024 Jan 28 (Sun)	05:59	06:46 108		12:39 65S	18:32 252		19:20
2024 Jan 29 (Mon)	05:59	06:46 108		12:39 65S	18:33 252		19:20
2024 Jan 30 (Tue)	05:59	06:46 108		12:39 65S	18:33 252		19:20
2024 Jan 31 (Wed)	05:59	06:46 108		12:40 65S	18:33 252		19:20
2024 Feb 01 (Thu)	05:59	06:46 107		12:40 66S	18:34 253		19:21
2024 Feb 02 (Fri)	05:59	06:46 107		12:40 66S	18:34 253		19:21
2024 Feb 03 (Sat)	05:59	06:46 107		12:40 66S	18:34 253		19:21
2024 Feb 04 (Sun)	05:59	06:46 106		12:40 67S	18:34 254		19:21
2024 Feb 05 (Mon)	05:59	06:46 106		12:40 67S	18:35 254		19:21
2024 Feb 06 (Tue)	05:59	06:46 106		12:40 67S	18:35 254		19:22
2024 Feb 07 (Wed)	05:59	06:46 106		12:40 67S	18:35 255		19:22
2024 Feb 08 (Thu)	05:59	06:46 105		12:40 68S	18:35 255		19:22
2024 Feb 09 (Fri)	05:59	06:45 105		12:40 68S	18:36 255		19:22
2024 Feb 10 (Sat)	05:59	06:45 105		12:40 68S	18:36 256		19:22
2024 Feb 11 (Sun)	05:59	06:45 104		12:41 69S	18:36 256		19:22
2024 Feb 12 (Mon)	05:59	06:45 104		12:41 69S	18:36 256		19:23
2024 Feb 13 (Tue)	05:58	06:45 104		12:41 69S	18:36 257		19:23
2024 Feb 14 (Wed)	05:58	06:44 103		12:40 70S	18:37 257		19:23
2024 Feb 15 (Thu)	05:58	06:44 103		12:40 70S	18:37 257		19:23
2024 Feb 16 (Fri)	05:58	06:44 103		12:40 70S	18:37 258		19:23
2024 Feb 17 (Sat)	05:58	06:44 102		12:40 71S	18:37 258		19:23
2024 Feb 18 (Sun)	05:58	06:43 102		12:40 71S	18:37 258		19:23
2024 Feb 19 (Mon)	05:57	06:43 102		12:40 71S	18:37 259		19:23
2024 Feb 20 (Tue)	05:57	06:43 101		12:40 72S	18:37 259		19:23
2024 Feb 21 (Wed)	05:57	06:43 101		12:40 72S	18:37 259		19:23
2024 Feb 22 (Thu)	05:57	06:42 100		12:40 73S	18:38 260		19:23
2024 Feb 23 (Fri)	05:56	06:42 100		12:40 73S	18:38 260		19:23
2024 Feb 24 (Sat)	05:56	06:42 100		12:40 73S	18:38 260		19:23

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

2024	May	02	(Thu)	05:24	06:11	74	12:23	83N	18:36	286	19:23
2024	May	03	(Fri)	05:24	06:11	74	12:23	83N	18:36	286	19:23
2024	May	04	(Sat)	05:23	06:11	74	12:23	82N	18:36	286	19:23
2024	May	05	(Sun)	05:23	06:10	73	12:23	82N	18:36	287	19:23
2024	May	06	(Mon)	05:23	06:10	73	12:23	82N	18:36	287	19:23
2024	May	07	(Tue)	05:22	06:10	73	12:23	82N	18:36	287	19:23
2024	May	08	(Wed)	05:22	06:10	73	12:23	81N	18:36	288	19:24
2024	May	09	(Thu)	05:22	06:09	72	12:23	81N	18:36	288	19:24
2024	May	10	(Fri)	05:21	06:09	72	12:23	81N	18:36	288	19:24
2024	May	11	(Sat)	05:21	06:09	72	12:23	81N	18:37	288	19:24
2024	May	12	(Sun)	05:21	06:09	72	12:23	80N	18:37	289	19:25
2024	May	13	(Mon)	05:21	06:09	71	12:23	80N	18:37	289	19:25
2024	May	14	(Tue)	05:20	06:08	71	12:23	80N	18:37	289	19:25
2024	May	15	(Wed)	05:20	06:08	71	12:23	80N	18:37	289	19:25
2024	May	16	(Thu)	05:20	06:08	71	12:23	79N	18:37	290	19:25
2024	May	17	(Fri)	05:20	06:08	70	12:23	79N	18:37	290	19:26
2024	May	18	(Sat)	05:20	06:08	70	12:23	79N	18:38	290	19:26
2024	May	19	(Sun)	05:20	06:08	70	12:23	79N	18:38	290	19:26
2024	May	20	(Mon)	05:19	06:08	70	12:23	78N	18:38	290	19:26
2024	May	21	(Tue)	05:19	06:08	69	12:23	78N	18:38	291	19:27
2024	May	22	(Wed)	05:19	06:08	69	12:23	78N	18:38	291	19:27
2024	May	23	(Thu)	05:19	06:08	69	12:23	78N	18:39	291	19:27
2024	May	24	(Fri)	05:19	06:08	69	12:23	78N	18:39	291	19:28
2024	May	25	(Sat)	05:19	06:08	69	12:23	78N	18:39	291	19:28
2024	May	26	(Sun)	05:19	06:08	68	12:23	77N	18:39	292	19:28
2024	May	27	(Mon)	05:19	06:08	68	12:24	77N	18:40	292	19:28
2024	May	28	(Tue)	05:19	06:08	68	12:24	77N	18:40	292	19:29
2024	May	29	(Wed)	05:19	06:08	68	12:24	77N	18:40	292	19:29
2024	May	30	(Thu)	05:19	06:08	68	12:24	77N	18:40	292	19:29
2024	May	31	(Fri)	05:19	06:08	68	12:24	77N	18:40	292	19:30
2024	Jun	01	(Sat)	05:19	06:08	68	12:24	76N	18:41	293	19:30
2024	Jun	02	(Sun)	05:19	06:08	67	12:24	76N	18:41	293	19:30
2024	Jun	03	(Mon)	05:19	06:08	67	12:25	76N	18:41	293	19:30
2024	Jun	04	(Tue)	05:19	06:08	67	12:25	76N	18:41	293	19:31
2024	Jun	05	(Wed)	05:19	06:08	67	12:25	76N	18:42	293	19:31
2024	Jun	06	(Thu)	05:19	06:08	67	12:25	76N	18:42	293	19:31
2024	Jun	07	(Fri)	05:19	06:08	67	12:25	76N	18:42	293	19:32
2024	Jun	08	(Sat)	05:19	06:08	67	12:25	76N	18:42	293	19:32
2024	Jun	09	(Sun)	05:19	06:09	67	12:26	76N	18:43	293	19:32
2024	Jun	10	(Mon)	05:19	06:09	67	12:26	75N	18:43	293	19:33
2024	Jun	11	(Tue)	05:19	06:09	67	12:26	75N	18:43	293	19:33
2024	Jun	12	(Wed)	05:19	06:09	66	12:26	75N	18:43	294	19:33
2024	Jun	13	(Thu)	05:20	06:09	66	12:26	75N	18:44	294	19:33
2024	Jun	14	(Fri)	05:20	06:09	66	12:27	75N	18:44	294	19:34
2024	Jun	15	(Sat)	05:20	06:10	66	12:27	75N	18:44	294	19:34
2024	Jun	16	(Sun)	05:20	06:10	66	12:27	75N	18:44	294	19:34
2024	Jun	17	(Mon)	05:20	06:10	66	12:27	75N	18:45	294	19:34
2024	Jun	18	(Tue)	05:20	06:10	66	12:28	75N	18:45	294	19:35
2024	Jun	19	(Wed)	05:21	06:10	66	12:28	75N	18:45	294	19:35
2024	Jun	20	(Thu)	05:21	06:11	66	12:28	75N	18:45	294	19:35
2024	Jun	21	(Fri)	05:21	06:11	66	12:28	75N	18:46	294	19:35
2024	Jun	22	(Sat)	05:21	06:11	66	12:28	75N	18:46	294	19:35
2024	Jun	23	(Sun)	05:22	06:11	66	12:29	75N	18:46	294	19:36
2024	Jun	24	(Mon)	05:22	06:11	66	12:29	75N	18:46	294	19:36
2024	Jun	25	(Tue)	05:22	06:12	66	12:29	75N	18:46	294	19:36
2024	Jun	26	(Wed)	05:22	06:12	66	12:29	75N	18:47	294	19:36
2024	Jun	27	(Thu)	05:22	06:12	66	12:29	75N	18:47	294	19:36
2024	Jun	28	(Fri)	05:23	06:12	66	12:30	75N	18:47	294	19:37
2024	Jun	29	(Sat)	05:23	06:13	66	12:30	75N	18:47	294	19:37
2024	Jun	30	(Sun)	05:23	06:13	66	12:30	75N	18:47	293	19:37
2024	Jul	01	(Mon)	05:24	06:13	67	12:30	75N	18:47	293	19:37
2024	Jul	02	(Tue)	05:24	06:13	67	12:30	76N	18:47	293	19:37
2024	Jul	03	(Wed)	05:24	06:14	67	12:31	76N	18:48	293	19:37
2024	Jul	04	(Thu)	05:24	06:14	67	12:31	76N	18:48	293	19:37
2024	Jul	05	(Fri)	05:25	06:14	67	12:31	76N	18:48	293	19:37
2024	Jul	06	(Sat)	05:25	06:14	67	12:31	76N	18:48	293	19:37
2024	Jul	07	(Sun)	05:25	06:15	67	12:31	76N	18:48	293	19:37

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

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

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

Sun

Phuket

Location: E 98°25'22.8", N 7°50'02.3", 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
2024	Jan	01	(Mon)	06:17		06:39	113			12:30	60S	18:20	247		18:43	
2024	Jan	02	(Tue)	06:17		06:40	113			12:30	60S	18:20	247		18:43	
2024	Jan	03	(Wed)	06:17		06:40	113			12:30	60S	18:21	247		18:44	
2024	Jan	04	(Thu)	06:18		06:40	113			12:31	60S	18:21	247		18:44	
2024	Jan	05	(Fri)	06:18		06:41	113			12:31	60S	18:22	247		18:45	
2024	Jan	06	(Sat)	06:19		06:41	113			12:32	60S	18:22	247		18:45	
2024	Jan	07	(Sun)	06:19		06:42	113			12:32	60S	18:23	247		18:46	
2024	Jan	08	(Mon)	06:19		06:42	112			12:33	61S	18:24	248		18:46	
2024	Jan	09	(Tue)	06:20		06:42	112			12:33	61S	18:24	248		18:46	
2024	Jan	10	(Wed)	06:20		06:43	112			12:34	61S	18:25	248		18:47	
2024	Jan	11	(Thu)	06:20		06:43	112			12:34	61S	18:25	248		18:47	

2024	Jan 12	(Fri)	06:21	06:43	112	12:34	61S	18:25	248	18:48
2024	Jan 13	(Sat)	06:21	06:43	112	12:35	61S	18:26	248	18:48
2024	Jan 14	(Sun)	06:21	06:44	112	12:35	61S	18:26	249	18:49
2024	Jan 15	(Mon)	06:22	06:44	111	12:35	62S	18:27	249	18:49
2024	Jan 16	(Tue)	06:22	06:44	111	12:36	62S	18:27	249	18:50
2024	Jan 17	(Wed)	06:22	06:44	111	12:36	62S	18:28	249	18:50
2024	Jan 18	(Thu)	06:22	06:45	111	12:36	62S	18:28	249	18:51
2024	Jan 19	(Fri)	06:23	06:45	111	12:37	62S	18:29	250	18:51
2024	Jan 20	(Sat)	06:23	06:45	110	12:37	63S	18:29	250	18:51
2024	Jan 21	(Sun)	06:23	06:45	110	12:37	63S	18:30	250	18:52
2024	Jan 22	(Mon)	06:23	06:45	110	12:38	63S	18:30	250	18:52
2024	Jan 23	(Tue)	06:23	06:46	110	12:38	63S	18:30	250	18:53
2024	Jan 24	(Wed)	06:24	06:46	109	12:38	64S	18:31	251	18:53
2024	Jan 25	(Thu)	06:24	06:46	109	12:38	64S	18:31	251	18:53
2024	Jan 26	(Fri)	06:24	06:46	109	12:39	64S	18:32	251	18:54
2024	Jan 27	(Sat)	06:24	06:46	109	12:39	64S	18:32	251	18:54
2024	Jan 28	(Sun)	06:24	06:46	108	12:39	65S	18:32	252	18:54
2024	Jan 29	(Mon)	06:24	06:46	108	12:39	65S	18:33	252	18:55
2024	Jan 30	(Tue)	06:24	06:46	108	12:39	65S	18:33	252	18:55
2024	Jan 31	(Wed)	06:24	06:46	108	12:40	65S	18:33	252	18:55
2024	Feb 01	(Thu)	06:24	06:46	107	12:40	66S	18:34	253	18:55
2024	Feb 02	(Fri)	06:24	06:46	107	12:40	66S	18:34	253	18:56
2024	Feb 03	(Sat)	06:24	06:46	107	12:40	66S	18:34	253	18:56
2024	Feb 04	(Sun)	06:24	06:46	106	12:40	67S	18:34	254	18:56
2024	Feb 05	(Mon)	06:24	06:46	106	12:40	67S	18:35	254	18:56
2024	Feb 06	(Tue)	06:24	06:46	106	12:40	67S	18:35	254	18:57
2024	Feb 07	(Wed)	06:24	06:46	106	12:40	67S	18:35	255	18:57
2024	Feb 08	(Thu)	06:24	06:46	105	12:40	68S	18:35	255	18:57
2024	Feb 09	(Fri)	06:24	06:45	105	12:40	68S	18:36	255	18:57
2024	Feb 10	(Sat)	06:24	06:45	105	12:40	68S	18:36	256	18:57
2024	Feb 11	(Sun)	06:24	06:45	104	12:41	69S	18:36	256	18:58
2024	Feb 12	(Mon)	06:23	06:45	104	12:41	69S	18:36	256	18:58
2024	Feb 13	(Tue)	06:23	06:45	104	12:41	69S	18:36	257	18:58
2024	Feb 14	(Wed)	06:23	06:44	103	12:40	70S	18:37	257	18:58
2024	Feb 15	(Thu)	06:23	06:44	103	12:40	70S	18:37	257	18:58
2024	Feb 16	(Fri)	06:23	06:44	103	12:40	70S	18:37	258	18:58
2024	Feb 17	(Sat)	06:22	06:44	102	12:40	71S	18:37	258	18:58
2024	Feb 18	(Sun)	06:22	06:43	102	12:40	71S	18:37	258	18:58
2024	Feb 19	(Mon)	06:22	06:43	102	12:40	71S	18:37	259	18:58
2024	Feb 20	(Tue)	06:22	06:43	101	12:40	72S	18:37	259	18:59
2024	Feb 21	(Wed)	06:21	06:43	101	12:40	72S	18:37	259	18:59
2024	Feb 22	(Thu)	06:21	06:42	100	12:40	73S	18:38	260	18:59
2024	Feb 23	(Fri)	06:21	06:42	100	12:40	73S	18:38	260	18:59
2024	Feb 24	(Sat)	06:20	06:42	100	12:40	73S	18:38	260	18:59
2024	Feb 25	(Sun)	06:20	06:41	99	12:39	74S	18:38	261	18:59
2024	Feb 26	(Mon)	06:20	06:41	99	12:39	74S	18:38	261	18:59
2024	Feb 27	(Tue)	06:19	06:41	99	12:39	74S	18:38	262	18:59
2024	Feb 28	(Wed)	06:19	06:40	98	12:39	75S	18:38	262	18:59
2024	Feb 29	(Thu)	06:19	06:40	98	12:39	75S	18:38	262	18:59
2024	Mar 01	(Fri)	06:18	06:39	97	12:39	75S	18:38	263	18:59
2024	Mar 02	(Sat)	06:18	06:39	97	12:38	76S	18:38	263	18:59
2024	Mar 03	(Sun)	06:18	06:39	97	12:38	76S	18:38	264	18:59
2024	Mar 04	(Mon)	06:17	06:38	96	12:38	77S	18:38	264	18:59
2024	Mar 05	(Tue)	06:17	06:38	96	12:38	77S	18:38	264	18:59
2024	Mar 06	(Wed)	06:16	06:37	96	12:37	77S	18:38	265	18:59
2024	Mar 07	(Thu)	06:16	06:37	95	12:37	78S	18:38	265	18:59
2024	Mar 08	(Fri)	06:15	06:36	95	12:37	78S	18:38	265	18:59
2024	Mar 09	(Sat)	06:15	06:36	94	12:37	79S	18:38	266	18:59
2024	Mar 10	(Sun)	06:15	06:35	94	12:37	79S	18:38	266	18:59
2024	Mar 11	(Mon)	06:14	06:35	94	12:36	79S	18:38	267	18:59
2024	Mar 12	(Tue)	06:14	06:34	93	12:36	80S	18:38	267	18:58
2024	Mar 13	(Wed)	06:13	06:34	93	12:36	80S	18:38	267	18:58
2024	Mar 14	(Thu)	06:13	06:33	92	12:35	81S	18:37	268	18:58
2024	Mar 15	(Fri)	06:12	06:33	92	12:35	81S	18:37	268	18:58
2024	Mar 16	(Sat)	06:12	06:32	92	12:35	81S	18:37	269	18:58
2024	Mar 17	(Sun)	06:11	06:32	91	12:35	82S	18:37	269	18:58
2024	Mar 18	(Mon)	06:11	06:31	91	12:34	82S	18:37	269	18:58

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

2024	May	25	(Sat)	05:45	06:08	69	12:23	78N	18:39	291	19:02
2024	May	26	(Sun)	05:45	06:08	68	12:23	77N	18:39	292	19:02
2024	May	27	(Mon)	05:45	06:08	68	12:24	77N	18:40	292	19:02
2024	May	28	(Tue)	05:45	06:08	68	12:24	77N	18:40	292	19:02
2024	May	29	(Wed)	05:45	06:08	68	12:24	77N	18:40	292	19:03
2024	May	30	(Thu)	05:45	06:08	68	12:24	77N	18:40	292	19:03
2024	May	31	(Fri)	05:45	06:08	68	12:24	77N	18:40	292	19:03
2024	Jun	01	(Sat)	05:45	06:08	68	12:24	76N	18:41	293	19:03
2024	Jun	02	(Sun)	05:45	06:08	67	12:24	76N	18:41	293	19:04
2024	Jun	03	(Mon)	05:45	06:08	67	12:25	76N	18:41	293	19:04
2024	Jun	04	(Tue)	05:45	06:08	67	12:25	76N	18:41	293	19:04
2024	Jun	05	(Wed)	05:45	06:08	67	12:25	76N	18:42	293	19:04
2024	Jun	06	(Thu)	05:45	06:08	67	12:25	76N	18:42	293	19:05
2024	Jun	07	(Fri)	05:46	06:08	67	12:25	76N	18:42	293	19:05
2024	Jun	08	(Sat)	05:46	06:08	67	12:25	76N	18:42	293	19:05
2024	Jun	09	(Sun)	05:46	06:09	67	12:26	76N	18:43	293	19:06
2024	Jun	10	(Mon)	05:46	06:09	67	12:26	75N	18:43	293	19:06
2024	Jun	11	(Tue)	05:46	06:09	67	12:26	75N	18:43	293	19:06
2024	Jun	12	(Wed)	05:46	06:09	66	12:26	75N	18:43	294	19:06
2024	Jun	13	(Thu)	05:46	06:09	66	12:26	75N	18:44	294	19:07
2024	Jun	14	(Fri)	05:47	06:09	66	12:27	75N	18:44	294	19:07
2024	Jun	15	(Sat)	05:47	06:10	66	12:27	75N	18:44	294	19:07
2024	Jun	16	(Sun)	05:47	06:10	66	12:27	75N	18:44	294	19:07
2024	Jun	17	(Mon)	05:47	06:10	66	12:27	75N	18:45	294	19:08
2024	Jun	18	(Tue)	05:47	06:10	66	12:28	75N	18:45	294	19:08
2024	Jun	19	(Wed)	05:47	06:10	66	12:28	75N	18:45	294	19:08
2024	Jun	20	(Thu)	05:48	06:11	66	12:28	75N	18:45	294	19:08
2024	Jun	21	(Fri)	05:48	06:11	66	12:28	75N	18:46	294	19:08
2024	Jun	22	(Sat)	05:48	06:11	66	12:28	75N	18:46	294	19:09
2024	Jun	23	(Sun)	05:48	06:11	66	12:29	75N	18:46	294	19:09
2024	Jun	24	(Mon)	05:49	06:11	66	12:29	75N	18:46	294	19:09
2024	Jun	25	(Tue)	05:49	06:12	66	12:29	75N	18:46	294	19:09
2024	Jun	26	(Wed)	05:49	06:12	66	12:29	75N	18:47	294	19:09
2024	Jun	27	(Thu)	05:49	06:12	66	12:29	75N	18:47	294	19:10
2024	Jun	28	(Fri)	05:50	06:12	66	12:30	75N	18:47	294	19:10
2024	Jun	29	(Sat)	05:50	06:13	66	12:30	75N	18:47	294	19:10
2024	Jun	30	(Sun)	05:50	06:13	66	12:30	75N	18:47	293	19:10
2024	Jul	01	(Mon)	05:50	06:13	67	12:30	75N	18:47	293	19:10
2024	Jul	02	(Tue)	05:51	06:13	67	12:30	76N	18:47	293	19:10
2024	Jul	03	(Wed)	05:51	06:14	67	12:31	76N	18:48	293	19:10
2024	Jul	04	(Thu)	05:51	06:14	67	12:31	76N	18:48	293	19:11
2024	Jul	05	(Fri)	05:51	06:14	67	12:31	76N	18:48	293	19:11
2024	Jul	06	(Sat)	05:52	06:14	67	12:31	76N	18:48	293	19:11
2024	Jul	07	(Sun)	05:52	06:15	67	12:31	76N	18:48	293	19:11
2024	Jul	08	(Mon)	05:52	06:15	67	12:31	76N	18:48	293	19:11
2024	Jul	09	(Tue)	05:52	06:15	67	12:32	76N	18:48	293	19:11
2024	Jul	10	(Wed)	05:53	06:15	67	12:32	76N	18:48	292	19:11
2024	Jul	11	(Thu)	05:53	06:15	68	12:32	77N	18:48	292	19:11
2024	Jul	12	(Fri)	05:53	06:16	68	12:32	77N	18:48	292	19:11
2024	Jul	13	(Sat)	05:53	06:16	68	12:32	77N	18:48	292	19:11
2024	Jul	14	(Sun)	05:54	06:16	68	12:32	77N	18:48	292	19:11
2024	Jul	15	(Mon)	05:54	06:16	68	12:32	77N	18:48	292	19:11
2024	Jul	16	(Tue)	05:54	06:17	68	12:32	77N	18:48	292	19:11
2024	Jul	17	(Wed)	05:54	06:17	69	12:33	77N	18:48	291	19:11
2024	Jul	18	(Thu)	05:54	06:17	69	12:33	78N	18:48	291	19:11
2024	Jul	19	(Fri)	05:55	06:17	69	12:33	78N	18:48	291	19:11
2024	Jul	20	(Sat)	05:55	06:17	69	12:33	78N	18:48	291	19:11
2024	Jul	21	(Sun)	05:55	06:17	69	12:33	78N	18:48	291	19:10
2024	Jul	22	(Mon)	05:55	06:18	69	12:33	78N	18:48	290	19:10
2024	Jul	23	(Tue)	05:55	06:18	70	12:33	79N	18:48	290	19:10
2024	Jul	24	(Wed)	05:56	06:18	70	12:33	79N	18:48	290	19:10
2024	Jul	25	(Thu)	05:56	06:18	70	12:33	79N	18:48	290	19:10
2024	Jul	26	(Fri)	05:56	06:18	70	12:33	79N	18:47	290	19:10
2024	Jul	27	(Sat)	05:56	06:18	71	12:33	79N	18:47	289	19:09
2024	Jul	28	(Sun)	05:56	06:18	71	12:33	80N	18:47	289	19:09
2024	Jul	29	(Mon)	05:56	06:19	71	12:33	80N	18:47	289	19:09
2024	Jul	30	(Tue)	05:57	06:19	71	12:33	80N	18:47	289	19:09

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

2024	Oct	06	(Sun)	05:53	06:14	95	12:14	78S	18:15	265	18:36
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	12:14	77S	18:14	264	18:35
2024	Oct	09	(Wed)	05:53	06:14	96	12:14	76S	18:13	264	18:34
2024	Oct	10	(Thu)	05:53	06:14	97	12:13	76S	18:13	263	18:34
2024	Oct	11	(Fri)	05:53	06:14	97	12:13	76S	18:12	263	18:33
2024	Oct	12	(Sat)	05:53	06:14	97	12:13	75S	18:12	262	18:33
2024	Oct	13	(Sun)	05:52	06:14	98	12:12	75S	18:11	262	18:32
2024	Oct	14	(Mon)	05:52	06:13	98	12:12	75S	18:11	262	18:32
2024	Oct	15	(Tue)	05:52	06:13	99	12:12	74S	18:10	261	18:32
2024	Oct	16	(Wed)	05:52	06:13	99	12:12	74S	18:10	261	18:31
2024	Oct	17	(Thu)	05:52	06:13	99	12:12	73S	18:10	261	18:31
2024	Oct	18	(Fri)	05:52	06:13	100	12:11	73S	18:09	260	18:30
2024	Oct	19	(Sat)	05:52	06:13	100	12:11	73S	18:09	260	18:30
2024	Oct	20	(Sun)	05:52	06:13	100	12:11	72S	18:09	259	18:30
2024	Oct	21	(Mon)	05:52	06:14	101	12:11	72S	18:08	259	18:29
2024	Oct	22	(Tue)	05:52	06:14	101	12:11	72S	18:08	259	18:29
2024	Oct	23	(Wed)	05:52	06:14	101	12:11	71S	18:07	258	18:29
2024	Oct	24	(Thu)	05:52	06:14	102	12:10	71S	18:07	258	18:28
2024	Oct	25	(Fri)	05:52	06:14	102	12:10	71S	18:07	258	18:28
2024	Oct	26	(Sat)	05:52	06:14	103	12:10	70S	18:07	257	18:28
2024	Oct	27	(Sun)	05:53	06:14	103	12:10	70S	18:06	257	18:28
2024	Oct	28	(Mon)	05:53	06:14	103	12:10	70S	18:06	257	18:27
2024	Oct	29	(Tue)	05:53	06:14	104	12:10	69S	18:06	256	18:27
2024	Oct	30	(Wed)	05:53	06:14	104	12:10	69S	18:06	256	18:27
2024	Oct	31	(Thu)	05:53	06:14	104	12:10	69S	18:05	256	18:27
2024	Nov	01	(Fri)	05:53	06:15	105	12:10	68S	18:05	255	18:27
2024	Nov	02	(Sat)	05:53	06:15	105	12:10	68S	18:05	255	18:26
2024	Nov	03	(Sun)	05:53	06:15	105	12:10	68S	18:05	255	18:26
2024	Nov	04	(Mon)	05:53	06:15	105	12:10	67S	18:05	254	18:26
2024	Nov	05	(Tue)	05:54	06:15	106	12:10	67S	18:04	254	18:26
2024	Nov	06	(Wed)	05:54	06:16	106	12:10	67S	18:04	254	18:26
2024	Nov	07	(Thu)	05:54	06:16	106	12:10	66S	18:04	253	18:26
2024	Nov	08	(Fri)	05:54	06:16	107	12:10	66S	18:04	253	18:26
2024	Nov	09	(Sat)	05:54	06:16	107	12:10	66S	18:04	253	18:26
2024	Nov	10	(Sun)	05:55	06:16	107	12:10	66S	18:04	253	18:26
2024	Nov	11	(Mon)	05:55	06:17	108	12:10	65S	18:04	252	18:26
2024	Nov	12	(Tue)	05:55	06:17	108	12:10	65S	18:04	252	18:26
2024	Nov	13	(Wed)	05:55	06:17	108	12:11	65S	18:04	252	18:26
2024	Nov	14	(Thu)	05:56	06:18	108	12:11	65S	18:04	252	18:26
2024	Nov	15	(Fri)	05:56	06:18	109	12:11	64S	18:04	251	18:26
2024	Nov	16	(Sat)	05:56	06:18	109	12:11	64S	18:04	251	18:26
2024	Nov	17	(Sun)	05:57	06:19	109	12:11	64S	18:04	251	18:26
2024	Nov	18	(Mon)	05:57	06:19	109	12:12	64S	18:04	251	18:26
2024	Nov	19	(Tue)	05:57	06:19	110	12:12	63S	18:04	250	18:26
2024	Nov	20	(Wed)	05:58	06:20	110	12:12	63S	18:04	250	18:26
2024	Nov	21	(Thu)	05:58	06:20	110	12:12	63S	18:04	250	18:26
2024	Nov	22	(Fri)	05:58	06:20	110	12:12	63S	18:04	250	18:27
2024	Nov	23	(Sat)	05:59	06:21	110	12:13	62S	18:05	249	18:27
2024	Nov	24	(Sun)	05:59	06:21	111	12:13	62S	18:05	249	18:27
2024	Nov	25	(Mon)	05:59	06:22	111	12:13	62S	18:05	249	18:27
2024	Nov	26	(Tue)	06:00	06:22	111	12:14	62S	18:05	249	18:27
2024	Nov	27	(Wed)	06:00	06:22	111	12:14	62S	18:05	249	18:28
2024	Nov	28	(Thu)	06:01	06:23	111	12:14	61S	18:06	248	18:28
2024	Nov	29	(Fri)	06:01	06:23	112	12:15	61S	18:06	248	18:28
2024	Nov	30	(Sat)	06:01	06:24	112	12:15	61S	18:06	248	18:29
2024	Dec	01	(Sun)	06:02	06:24	112	12:15	61S	18:06	248	18:29
2024	Dec	02	(Mon)	06:02	06:25	112	12:16	61S	18:07	248	18:29
2024	Dec	03	(Tue)	06:03	06:25	112	12:16	61S	18:07	248	18:30
2024	Dec	04	(Wed)	06:03	06:26	112	12:17	61S	18:07	248	18:30
2024	Dec	05	(Thu)	06:04	06:26	112	12:17	60S	18:08	247	18:30
2024	Dec	06	(Fri)	06:04	06:27	113	12:17	60S	18:08	247	18:31
2024	Dec	07	(Sat)	06:05	06:27	113	12:18	60S	18:08	247	18:31
2024	Dec	08	(Sun)	06:05	06:28	113	12:18	60S	18:09	247	18:31
2024	Dec	09	(Mon)	06:06	06:28	113	12:19	60S	18:09	247	18:32
2024	Dec	10	(Tue)	06:06	06:29	113	12:19	60S	18:10	247	18:32
2024	Dec	11	(Wed)	06:07	06:29	113	12:20	60S	18:10	247	18:33

2024	Dec 12	(Thu)	06:07	06:30	113	12:20	60S	18:10	247	18:33
2024	Dec 13	(Fri)	06:08	06:30	113	12:21	60S	18:11	247	18:33
2024	Dec 14	(Sat)	06:08	06:31	113	12:21	60S	18:11	247	18:34
2024	Dec 15	(Sun)	06:09	06:31	113	12:22	60S	18:12	247	18:34
2024	Dec 16	(Mon)	06:09	06:32	113	12:22	60S	18:12	247	18:35
2024	Dec 17	(Tue)	06:10	06:32	113	12:22	60S	18:13	247	18:35
2024	Dec 18	(Wed)	06:10	06:33	114	12:23	59S	18:13	246	18:36
2024	Dec 19	(Thu)	06:11	06:33	114	12:23	59S	18:14	246	18:36
2024	Dec 20	(Fri)	06:11	06:34	114	12:24	59S	18:14	246	18:37
2024	Dec 21	(Sat)	06:12	06:34	114	12:24	59S	18:15	246	18:37
2024	Dec 22	(Sun)	06:12	06:35	114	12:25	59S	18:15	246	18:38
2024	Dec 23	(Mon)	06:13	06:35	114	12:25	59S	18:16	246	18:38
2024	Dec 24	(Tue)	06:13	06:36	114	12:26	59S	18:16	246	18:39
2024	Dec 25	(Wed)	06:14	06:36	113	12:26	59S	18:17	247	18:39
2024	Dec 26	(Thu)	06:14	06:37	113	12:27	60S	18:17	247	18:40
2024	Dec 27	(Fri)	06:15	06:37	113	12:27	60S	18:18	247	18:40
2024	Dec 28	(Sat)	06:15	06:38	113	12:28	60S	18:18	247	18:41
2024	Dec 29	(Sun)	06:16	06:38	113	12:28	60S	18:19	247	18:41
2024	Dec 30	(Mon)	06:16	06:39	113	12:29	60S	18:19	247	18:42
2024	Dec 31	(Tue)	06:16	06:39	113	12:29	60S	18:20	247	18:42

Moon

Phuket

Location: E 98°25'22.8", N 7°50'02.3", 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)	22:43	81		04:18	85N		10:34	282	
2024	Jan 02	(Tue)	23:26	86		04:58	91S		11:11	276	
2024	Jan 03	(Wed)				05:37	85S		11:47	271	
2024	Jan 04	(Thu)	00:08	92		06:16	79S		12:23	265	
2024	Jan 05	(Fri)	00:51	98		06:57	73S		13:01	259	
2024	Jan 06	(Sat)	01:37	104		07:40	68S		13:41	254	
2024	Jan 07	(Sun)	02:26	109		08:26	63S		14:26	249	
2024	Jan 08	(Mon)	03:19	113		09:18	58S		15:16	245	
2024	Jan 09	(Tue)	04:17	117		10:15	55S		16:13	242	
2024	Jan 10	(Wed)	05:19	118		11:17	54S		17:14	242	
2024	Jan 11	(Thu)	06:23	118		12:21	55S		18:19	243	
2024	Jan 12	(Fri)	07:24	116		13:23	58S		19:24	246	
2024	Jan 13	(Sat)	08:22	111		14:23	63S		20:25	251	
2024	Jan 14	(Sun)	09:14	106		15:18	69S		21:24	258	
2024	Jan 15	(Mon)	10:03	99		16:10	76S		22:18	265	
2024	Jan 16	(Tue)	10:48	92		16:59	83S		23:11	272	
2024	Jan 17	(Wed)	11:32	85		17:46	90S				
2024	Jan 18	(Thu)	12:16	78		18:34	85N		00:02	279	
2024	Jan 19	(Fri)	13:02	72		19:24	80N		00:54	285	
2024	Jan 20	(Sat)	13:49	68		20:15	75N		01:48	290	
2024	Jan 21	(Sun)	14:40	64		21:09	72N		02:43	294	
2024	Jan 22	(Mon)	15:34	62		22:04	70N		03:39	297	
2024	Jan 23	(Tue)	16:29	62		22:59	70N		04:35	298	
2024	Jan 24	(Wed)	17:24	63		23:53	72N		05:30	298	
2024	Jan 25	(Thu)	18:17	65					06:21	296	
2024	Jan 26	(Fri)	19:07	69		00:43	75N		07:09	293	
2024	Jan 27	(Sat)	19:54	74		01:30	79N		07:52	289	
2024	Jan 28	(Sun)	20:39	79		02:14	83N		08:32	284	
2024	Jan 29	(Mon)	21:22	84		02:55	89N		09:09	278	
2024	Jan 30	(Tue)	22:04	90		03:34	87S		09:45	273	
2024	Jan 31	(Wed)	22:46	96		04:13	81S		10:21	267	
2024	Feb 01	(Thu)	23:30	102		04:53	75S		10:57	261	
2024	Feb 02	(Fri)				05:34	70S		11:36	256	
2024	Feb 03	(Sat)	00:16	107		06:17	64S		12:17	251	
2024	Feb 04	(Sun)	01:06	112		07:06	60S		13:04	246	

2024 Feb 05 (Mon)	02:01 116	07:59 56S	13:56 243
2024 Feb 06 (Tue)	03:00 118	08:57 54S	14:54 242
2024 Feb 07 (Wed)	04:02 119	09:59 54S	15:56 242
2024 Feb 08 (Thu)	05:04 117	11:02 56S	17:01 244
2024 Feb 09 (Fri)	06:04 114	12:04 60S	18:05 249
2024 Feb 10 (Sat)	07:00 109	13:02 66S	19:07 254
2024 Feb 11 (Sun)	07:51 102	13:57 72S	20:05 261
2024 Feb 12 (Mon)	08:40 95	14:49 80S	21:00 269
2024 Feb 13 (Tue)	09:26 88	15:39 87S	21:54 276
2024 Feb 14 (Wed)	10:11 80	16:29 87N	22:48 283
2024 Feb 15 (Thu)	10:58 74	17:19 81N	23:42 289
2024 Feb 16 (Fri)	11:46 69	18:11 76N	
2024 Feb 17 (Sat)	12:37 65	19:05 72N	00:38 293
2024 Feb 18 (Sun)	13:30 62	20:00 70N	01:34 297
2024 Feb 19 (Mon)	14:24 61	20:55 70N	02:31 298
2024 Feb 20 (Tue)	15:19 62	21:49 71N	03:26 298
2024 Feb 21 (Wed)	16:12 64	22:40 73N	04:18 297
2024 Feb 22 (Thu)	17:03 68	23:27 77N	05:06 294
2024 Feb 23 (Fri)	17:51 72		05:50 290
2024 Feb 24 (Sat)	18:36 77	00:12 82N	06:31 286
2024 Feb 25 (Sun)	19:20 83	00:54 87N	07:09 280
2024 Feb 26 (Mon)	20:02 88	01:33 89S	07:45 275
2024 Feb 27 (Tue)	20:44 94	02:12 83S	08:21 269
2024 Feb 28 (Wed)	21:27 100	02:51 77S	08:57 263
2024 Feb 29 (Thu)	22:12 105	03:31 71S	09:34 257
2024 Mar 01 (Fri)	23:00 110	04:14 66S	10:14 252
2024 Mar 02 (Sat)	23:51 114	04:59 61S	10:58 248
2024 Mar 03 (Sun)		05:49 57S	11:46 244
2024 Mar 04 (Mon)	00:47 117	06:44 55S	12:40 242
2024 Mar 05 (Tue)	01:46 119	07:42 54S	13:39 241
2024 Mar 06 (Wed)	02:46 118	08:43 55S	14:41 243
2024 Mar 07 (Thu)	03:45 116	09:44 58S	15:44 246
2024 Mar 08 (Fri)	04:42 112	10:43 62S	16:45 251
2024 Mar 09 (Sat)	05:35 106	11:39 68S	17:45 257
2024 Mar 10 (Sun)	06:25 99	12:33 76S	18:42 265
2024 Mar 11 (Mon)	07:13 91	13:25 83S	19:38 272
2024 Mar 12 (Tue)	08:00 84	14:16 91N	20:33 280
2024 Mar 13 (Wed)	08:48 77	15:08 84N	21:30 286
2024 Mar 14 (Thu)	09:37 71	16:01 78N	22:27 292
2024 Mar 15 (Fri)	10:29 66	16:56 73N	23:25 296
2024 Mar 16 (Sat)	11:23 63	17:53 71N	
2024 Mar 17 (Sun)	12:18 61	18:49 70N	00:24 298
2024 Mar 18 (Mon)	13:14 62	19:44 70N	01:21 299
2024 Mar 19 (Tue)	14:08 63	20:37 72N	02:14 298
2024 Mar 20 (Wed)	15:00 66	21:25 76N	03:04 295
2024 Mar 21 (Thu)	15:48 70	22:10 80N	03:49 292
2024 Mar 22 (Fri)	16:34 75	22:53 85N	04:31 287
2024 Mar 23 (Sat)	17:18 81	23:33 91N	05:09 282
2024 Mar 24 (Sun)	18:01 86		05:46 276
2024 Mar 25 (Mon)	18:43 92	00:12 85S	06:22 271
2024 Mar 26 (Tue)	19:26 98	00:51 79S	06:57 265
2024 Mar 27 (Wed)	20:10 104	01:31 73S	07:34 259
2024 Mar 28 (Thu)	20:57 109	02:12 68S	08:13 254
2024 Mar 29 (Fri)	21:47 113	02:57 63S	08:56 249
2024 Mar 30 (Sat)	22:41 117	03:45 58S	09:42 245
2024 Mar 31 (Sun)	23:37 119	04:37 55S	10:34 242
2024 Apr 01 (Mon)		05:33 54S	11:29 241
2024 Apr 02 (Tue)	00:36 119	06:32 54S	12:29 242
2024 Apr 03 (Wed)	01:34 117	07:31 56S	13:29 244
2024 Apr 04 (Thu)	02:29 114	08:29 60S	14:29 248
2024 Apr 05 (Fri)	03:22 109	09:24 65S	15:28 254
2024 Apr 06 (Sat)	04:12 103	10:17 72S	16:24 261
2024 Apr 07 (Sun)	05:00 95	11:09 79S	17:20 268
2024 Apr 08 (Mon)	05:47 88	12:00 87S	18:15 276
2024 Apr 09 (Tue)	06:34 81	12:52 87N	19:12 283
2024 Apr 10 (Wed)	07:23 74	13:45 81N	20:10 289
2024 Apr 11 (Thu)	08:15 68	14:41 75N	21:09 294

2024 Apr 12 (Fri)	09:09 64	15:39 72N	22:10 297
2024 Apr 13 (Sat)	10:06 62	16:38 70N	23:10 299
2024 Apr 14 (Sun)	11:04 61	17:35 70N	
2024 Apr 15 (Mon)	12:00 62	18:30 71N	00:06 298
2024 Apr 16 (Tue)	12:54 65	19:21 74N	00:59 296
2024 Apr 17 (Wed)	13:44 69	20:08 79N	01:46 293
2024 Apr 18 (Thu)	14:31 73	20:51 83N	02:29 289
2024 Apr 19 (Fri)	15:16 79	21:32 89N	03:09 284
2024 Apr 20 (Sat)	15:58 84	22:11 87S	03:46 278
2024 Apr 21 (Sun)	16:41 90	22:50 81S	04:22 273
2024 Apr 22 (Mon)	17:23 96	23:29 75S	04:57 267
2024 Apr 23 (Tue)	18:07 102		05:34 261
2024 Apr 24 (Wed)	18:54 107	00:11 69S	06:13 255
2024 Apr 25 (Thu)	19:43 112	00:55 64S	06:54 250
2024 Apr 26 (Fri)	20:36 116	01:42 60S	07:40 246
2024 Apr 27 (Sat)	21:32 118	02:34 56S	08:30 243
2024 Apr 28 (Sun)	22:30 119	03:29 54S	09:25 241
2024 Apr 29 (Mon)	23:28 118	04:26 54S	10:23 241
2024 Apr 30 (Tue)		05:25 55S	11:22 243
2024 May 01 (Wed)	00:23 115	06:22 58S	12:21 247
2024 May 02 (Thu)	01:16 111	07:16 63S	13:18 252
2024 May 03 (Fri)	02:05 105	08:08 69S	14:14 258
2024 May 04 (Sat)	02:52 98	08:58 76S	15:07 265
2024 May 05 (Sun)	03:37 91	09:48 83S	16:01 272
2024 May 06 (Mon)	04:22 84	10:38 91S	16:55 280
2024 May 07 (Tue)	05:10 77	11:29 84N	17:52 286
2024 May 08 (Wed)	06:00 71	12:24 78N	18:50 292
2024 May 09 (Thu)	06:53 66	13:22 73N	19:51 296
2024 May 10 (Fri)	07:50 63	14:21 71N	20:53 298
2024 May 11 (Sat)	08:49 61	15:21 70N	21:53 299
2024 May 12 (Sun)	09:48 62	16:18 71N	22:48 297
2024 May 13 (Mon)	10:44 64	17:12 73N	23:39 294
2024 May 14 (Tue)	11:37 67	18:01 77N	
2024 May 15 (Wed)	12:26 72	18:47 82N	00:25 291
2024 May 16 (Thu)	13:11 77	19:29 87N	01:06 286
2024 May 17 (Fri)	13:55 82	20:09 89S	01:44 280
2024 May 18 (Sat)	14:37 88	20:47 83S	02:21 275
2024 May 19 (Sun)	15:19 94	21:27 77S	02:56 269
2024 May 20 (Mon)	16:03 100	22:07 72S	03:32 263
2024 May 21 (Tue)	16:48 105	22:50 66S	04:10 257
2024 May 22 (Wed)	17:37 110	23:37 61S	04:51 252
2024 May 23 (Thu)	18:30 114		05:35 248
2024 May 24 (Fri)	19:26 117	00:27 57S	06:24 244
2024 May 25 (Sat)	20:24 119	01:22 55S	07:19 242
2024 May 26 (Sun)	21:23 118	02:20 54S	08:17 241
2024 May 27 (Mon)	22:19 116	03:19 55S	09:17 243
2024 May 28 (Tue)	23:13 112	04:17 57S	10:16 246
2024 May 29 (Wed)		05:13 62S	11:14 250
2024 May 30 (Thu)	00:02 107	06:05 67S	12:09 256
2024 May 31 (Fri)	00:49 101	06:54 74S	13:02 263
2024 Jun 01 (Sat)	01:33 94	07:43 81S	13:54 270
2024 Jun 02 (Sun)	02:17 87	08:31 88S	14:46 277
2024 Jun 03 (Mon)	03:02 80	09:20 87N	15:40 284
2024 Jun 04 (Tue)	03:50 73	10:12 80N	16:36 290
2024 Jun 05 (Wed)	04:40 68	11:07 75N	17:35 294
2024 Jun 06 (Thu)	05:35 64	12:05 72N	18:36 297
2024 Jun 07 (Fri)	06:33 62	13:05 70N	19:37 299
2024 Jun 08 (Sat)	07:32 61	14:04 70N	20:35 298
2024 Jun 09 (Sun)	08:31 63	15:00 72N	21:29 296
2024 Jun 10 (Mon)	09:26 66	15:52 75N	22:17 292
2024 Jun 11 (Tue)	10:17 70	16:40 80N	23:01 288
2024 Jun 12 (Wed)	11:05 75	17:24 85N	23:41 282
2024 Jun 13 (Thu)	11:49 80	18:05 90N	
2024 Jun 14 (Fri)	12:32 86	18:44 85S	00:18 277
2024 Jun 15 (Sat)	13:14 92	19:23 79S	00:54 271
2024 Jun 16 (Sun)	13:57 98	20:02 74S	01:29 265
2024 Jun 17 (Mon)	14:41 103	20:44 68S	02:06 260

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

2024 Aug 24 (Sat)	22:27	73	03:58	86N	10:18	284
2024 Aug 25 (Sun)	23:18	67	04:50	80N	11:15	290
2024 Aug 26 (Mon)			05:45	75N	12:13	295
2024 Aug 27 (Tue)	00:12	64	06:41	71N	13:12	298
2024 Aug 28 (Wed)	01:08	62	07:39	70N	14:11	299
2024 Aug 29 (Thu)	02:05	61	08:36	70N	15:07	298
2024 Aug 30 (Fri)	03:02	63	09:31	72N	16:00	296
2024 Aug 31 (Sat)	03:56	65	10:23	75N	16:48	293
2024 Sep 01 (Sun)	04:47	69	11:10	79N	17:31	288
2024 Sep 02 (Mon)	05:35	74	11:54	84N	18:11	283
2024 Sep 03 (Tue)	06:20	80	12:35	90N	18:49	277
2024 Sep 04 (Wed)	07:03	86	13:15	86S	19:25	271
2024 Sep 05 (Thu)	07:45	91	13:53	80S	20:00	266
2024 Sep 06 (Fri)	08:27	97	14:32	74S	20:36	260
2024 Sep 07 (Sat)	09:10	103	15:13	68S	21:14	255
2024 Sep 08 (Sun)	09:55	108	15:55	63S	21:54	250
2024 Sep 09 (Mon)	10:43	112	16:42	59S	22:39	246
2024 Sep 10 (Tue)	11:35	116	17:31	56S	23:27	243
2024 Sep 11 (Wed)	12:30	118	18:25	54S		
2024 Sep 12 (Thu)	13:27	119	19:22	54S	00:21	241
2024 Sep 13 (Fri)	14:24	118	20:21	55S	01:19	241
2024 Sep 14 (Sat)	15:21	115	21:19	58S	02:19	243
2024 Sep 15 (Sun)	16:15	110	22:16	63S	03:19	247
2024 Sep 16 (Mon)	17:06	104	23:10	70S	04:18	252
2024 Sep 17 (Tue)	17:54	97			05:16	259
2024 Sep 18 (Wed)	18:42	90	00:02	77S	06:12	266
2024 Sep 19 (Thu)	19:29	82	00:54	85S	07:08	274
2024 Sep 20 (Fri)	20:18	75	01:46	89N	08:04	281
2024 Sep 21 (Sat)	21:09	69	02:39	82N	09:02	288
2024 Sep 22 (Sun)	22:03	65	03:35	76N	10:02	293
2024 Sep 23 (Mon)	23:00	62	04:33	72N	11:03	297
2024 Sep 24 (Tue)	23:59	61	05:32	70N	12:04	299
2024 Sep 25 (Wed)			06:31	70N	13:02	299
2024 Sep 26 (Thu)	00:57	62	07:27	71N	13:57	297
2024 Sep 27 (Fri)	01:52	64	08:20	74N	14:46	294
2024 Sep 28 (Sat)	02:44	68	09:08	78N	15:31	290
2024 Sep 29 (Sun)	03:32	73	09:53	83N	16:12	285
2024 Sep 30 (Mon)	04:18	78	10:35	88N	16:49	279
2024 Oct 01 (Tue)	05:01	84	11:14	88S	17:26	273
2024 Oct 02 (Wed)	05:43	90	11:53	82S	18:01	268
2024 Oct 03 (Thu)	06:25	95	12:32	76S	18:37	262
2024 Oct 04 (Fri)	07:08	101	13:12	70S	19:14	256
2024 Oct 05 (Sat)	07:53	106	13:54	65S	19:53	251
2024 Oct 06 (Sun)	08:40	111	14:39	61S	20:36	247
2024 Oct 07 (Mon)	09:30	115	15:27	57S	21:23	244
2024 Oct 08 (Tue)	10:23	118	16:19	55S	22:14	242
2024 Oct 09 (Wed)	11:18	119	17:14	54S	23:09	241
2024 Oct 10 (Thu)	12:14	119	18:10	54S		
2024 Oct 11 (Fri)	13:09	117	19:07	57S	00:07	242
2024 Oct 12 (Sat)	14:02	113	20:02	61S	01:05	245
2024 Oct 13 (Sun)	14:53	108	20:55	67S	02:03	250
2024 Oct 14 (Mon)	15:41	101	21:47	73S	02:59	255
2024 Oct 15 (Tue)	16:28	94	22:38	81S	03:55	262
2024 Oct 16 (Wed)	17:15	86	23:29	88S	04:50	270
2024 Oct 17 (Thu)	18:03	79			05:45	277
2024 Oct 18 (Fri)	18:54	72	00:22	86N	06:43	285
2024 Oct 19 (Sat)	19:48	67	01:18	79N	07:44	291
2024 Oct 20 (Sun)	20:46	63	02:16	74N	08:46	295
2024 Oct 21 (Mon)	21:47	61	03:18	71N	09:50	298
2024 Oct 22 (Tue)	22:47	61	04:19	70N	10:52	299
2024 Oct 23 (Wed)	23:45	63	05:19	70N	11:49	298
2024 Oct 24 (Thu)			06:14	73N	12:42	295
2024 Oct 25 (Fri)	00:39	67	07:05	76N	13:29	291
2024 Oct 26 (Sat)	01:29	71	07:51	81N	14:11	286
2024 Oct 27 (Sun)	02:16	76	08:34	86N	14:50	281
2024 Oct 28 (Mon)	03:00	82	09:14	90S	15:26	275
2024 Oct 29 (Tue)	03:42	88	09:53	84S	16:02	269

2024 Oct 30 (Wed)	04:24 93	10:31 78S	16:37 264
2024 Oct 31 (Thu)	05:06 99	11:11 72S	17:14 258
2024 Nov 01 (Fri)	05:51 105	11:52 67S	17:53 253
2024 Nov 02 (Sat)	06:37 110	12:36 62S	18:35 248
2024 Nov 03 (Sun)	07:26 114	13:24 58S	19:21 245
2024 Nov 04 (Mon)	08:19 117	14:15 55S	20:11 242
2024 Nov 05 (Tue)	09:14 119	15:09 54S	21:05 241
2024 Nov 06 (Wed)	10:09 119	16:05 54S	22:01 242
2024 Nov 07 (Thu)	11:04 117	17:00 56S	22:58 244
2024 Nov 08 (Fri)	11:56 114	17:55 59S	23:54 248
2024 Nov 09 (Sat)	12:46 110	18:47 64S	
2024 Nov 10 (Sun)	13:33 104	19:37 70S	00:49 253
2024 Nov 11 (Mon)	14:19 97	20:26 77S	01:43 259
2024 Nov 12 (Tue)	15:04 90	21:15 85S	02:36 266
2024 Nov 13 (Wed)	15:49 83	22:06 89N	03:29 274
2024 Nov 14 (Thu)	16:38 76	22:59 83N	04:24 281
2024 Nov 15 (Fri)	17:30 70	23:56 77N	05:23 288
2024 Nov 16 (Sat)	18:27 65		06:24 293
2024 Nov 17 (Sun)	19:28 62	00:57 72N	07:28 297
2024 Nov 18 (Mon)	20:30 61	02:00 70N	08:33 299
2024 Nov 19 (Tue)	21:31 62	03:03 70N	09:35 298
2024 Nov 20 (Wed)	22:29 65	04:02 72N	10:31 296
2024 Nov 21 (Thu)	23:22 69	04:56 75N	11:22 293
2024 Nov 22 (Fri)		05:45 79N	12:07 288
2024 Nov 23 (Sat)	00:11 74	06:30 84N	12:48 283
2024 Nov 24 (Sun)	00:56 80	07:12 90N	13:25 277
2024 Nov 25 (Mon)	01:39 86	07:51 86S	14:01 271
2024 Nov 26 (Tue)	02:21 92	08:30 80S	14:37 266
2024 Nov 27 (Wed)	03:03 97	09:09 74S	15:13 260
2024 Nov 28 (Thu)	03:47 103	09:49 69S	15:51 255
2024 Nov 29 (Fri)	04:32 108	10:33 64S	16:32 250
2024 Nov 30 (Sat)	05:21 112	11:19 59S	17:17 246
2024 Dec 01 (Sun)	06:13 116	12:10 56S	18:06 243
2024 Dec 02 (Mon)	07:08 118	13:04 54S	18:59 241
2024 Dec 03 (Tue)	08:04 119	14:00 54S	19:56 242
2024 Dec 04 (Wed)	09:00 118	14:56 55S	20:53 243
2024 Dec 05 (Thu)	09:53 115	15:51 58S	21:50 247
2024 Dec 06 (Fri)	10:44 111	16:44 63S	22:45 252
2024 Dec 07 (Sat)	11:31 106	17:34 69S	23:38 257
2024 Dec 08 (Sun)	12:16 99	18:22 75S	
2024 Dec 09 (Mon)	12:59 92	19:09 82S	00:29 264
2024 Dec 10 (Tue)	13:43 85	19:57 89S	01:21 271
2024 Dec 11 (Wed)	14:28 79	20:47 85N	02:13 278
2024 Dec 12 (Thu)	15:17 72	21:40 79N	03:08 285
2024 Dec 13 (Fri)	16:10 67	22:38 74N	04:06 291
2024 Dec 14 (Sat)	17:08 63	23:39 71N	05:08 295
2024 Dec 15 (Sun)	18:10 61		06:12 298
2024 Dec 16 (Mon)	19:12 62	00:42 70N	07:15 299
2024 Dec 17 (Tue)	20:13 64	01:44 71N	08:15 297
2024 Dec 18 (Wed)	21:09 68	02:42 73N	09:10 294
2024 Dec 19 (Thu)	22:01 72	03:35 77N	09:59 290
2024 Dec 20 (Fri)	22:49 78	04:23 82N	10:42 285
2024 Dec 21 (Sat)	23:34 84	05:06 88N	11:21 279
2024 Dec 22 (Sun)		05:47 88S	11:58 274
2024 Dec 23 (Mon)	00:16 89	06:26 82S	12:34 268
2024 Dec 24 (Tue)	00:59 95	07:05 76S	13:10 262
2024 Dec 25 (Wed)	01:41 101	07:45 70S	13:47 256
2024 Dec 26 (Thu)	02:26 106	08:27 65S	14:27 251
2024 Dec 27 (Fri)	03:13 111	09:12 61S	15:10 247
2024 Dec 28 (Sat)	04:04 115	10:01 57S	15:58 244
2024 Dec 29 (Sun)	04:58 117	10:54 55S	16:50 242
2024 Dec 30 (Mon)	05:54 119	11:50 54S	17:46 241
2024 Dec 31 (Tue)	06:51 118	12:48 55S	18:45 243