

Sun

MaeHongSon

Location: E 97°58'11.9", N19°18'07.1", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2024 Jan 01 (Mon)	06:10	07:02 114		12:31 48S	18:01 246		18:52
2024 Jan 02 (Tue)	06:11	07:02 114		12:32 48S	18:02 246		18:53
2024 Jan 03 (Wed)	06:11	07:02 114		12:32 49S	18:02 246		18:53
2024 Jan 04 (Thu)	06:12	07:03 114		12:33 49S	18:03 246		18:54
2024 Jan 05 (Fri)	06:12	07:03 114		12:33 49S	18:04 246		18:55
2024 Jan 06 (Sat)	06:12	07:03 114		12:34 49S	18:04 246		18:55
2024 Jan 07 (Sun)	06:12	07:03 114		12:34 49S	18:05 246		18:56
2024 Jan 08 (Mon)	06:13	07:04 113		12:34 49S	18:05 247		18:56
2024 Jan 09 (Tue)	06:13	07:04 113		12:35 49S	18:06 247		18:57
2024 Jan 10 (Wed)	06:13	07:04 113		12:35 49S	18:07 247		18:57
2024 Jan 11 (Thu)	06:13	07:04 113		12:36 50S	18:07 247		18:58
2024 Jan 12 (Fri)	06:14	07:04 113		12:36 50S	18:08 247		18:59
2024 Jan 13 (Sat)	06:14	07:04 113		12:37 50S	18:09 247		18:59
2024 Jan 14 (Sun)	06:14	07:05 112		12:37 50S	18:09 248		19:00
2024 Jan 15 (Mon)	06:14	07:05 112		12:37 50S	18:10 248		19:00
2024 Jan 16 (Tue)	06:14	07:05 112		12:38 50S	18:11 248		19:01
2024 Jan 17 (Wed)	06:14	07:05 112		12:38 51S	18:11 248		19:02
2024 Jan 18 (Thu)	06:15	07:05 112		12:38 51S	18:12 248		19:02
2024 Jan 19 (Fri)	06:15	07:05 111		12:39 51S	18:13 249		19:03
2024 Jan 20 (Sat)	06:15	07:05 111		12:39 51S	18:13 249		19:03
2024 Jan 21 (Sun)	06:15	07:05 111		12:39 51S	18:14 249		19:04
2024 Jan 22 (Mon)	06:15	07:05 111		12:39 52S	18:14 249		19:04
2024 Jan 23 (Tue)	06:15	07:05 111		12:40 52S	18:15 250		19:05
2024 Jan 24 (Wed)	06:15	07:04 110		12:40 52S	18:16 250		19:06
2024 Jan 25 (Thu)	06:15	07:04 110		12:40 52S	18:16 250		19:06
2024 Jan 26 (Fri)	06:14	07:04 110		12:40 53S	18:17 250		19:07
2024 Jan 27 (Sat)	06:14	07:04 109		12:41 53S	18:18 251		19:07
2024 Jan 28 (Sun)	06:14	07:04 109		12:41 53S	18:18 251		19:08
2024 Jan 29 (Mon)	06:14	07:04 109		12:41 53S	18:19 251		19:08
2024 Jan 30 (Tue)	06:14	07:03 109		12:41 54S	18:19 251		19:09
2024 Jan 31 (Wed)	06:14	07:03 108		12:41 54S	18:20 252		19:09
2024 Feb 01 (Thu)	06:14	07:03 108		12:42 54S	18:20 252		19:10
2024 Feb 02 (Fri)	06:13	07:03 108		12:42 54S	18:21 252		19:10
2024 Feb 03 (Sat)	06:13	07:02 107		12:42 55S	18:22 253		19:11
2024 Feb 04 (Sun)	06:13	07:02 107		12:42 55S	18:22 253		19:11
2024 Feb 05 (Mon)	06:13	07:02 107		12:42 55S	18:23 253		19:12
2024 Feb 06 (Tue)	06:12	07:01 107		12:42 56S	18:23 254		19:12
2024 Feb 07 (Wed)	06:12	07:01 106		12:42 56S	18:24 254		19:13
2024 Feb 08 (Thu)	06:12	07:00 106		12:42 56S	18:24 254		19:13
2024 Feb 09 (Fri)	06:11	07:00 106		12:42 57S	18:25 255		19:13
2024 Feb 10 (Sat)	06:11	07:00 105		12:42 57S	18:25 255		19:14
2024 Feb 11 (Sun)	06:11	06:59 105		12:42 57S	18:26 255		19:14
2024 Feb 12 (Mon)	06:10	06:59 104		12:42 58S	18:26 256		19:15
2024 Feb 13 (Tue)	06:10	06:58 104		12:42 58S	18:27 256		19:15
2024 Feb 14 (Wed)	06:09	06:58 104		12:42 58S	18:27 256		19:16
2024 Feb 15 (Thu)	06:09	06:57 103		12:42 59S	18:28 257		19:16
2024 Feb 16 (Fri)	06:08	06:57 103		12:42 59S	18:28 257		19:16
2024 Feb 17 (Sat)	06:08	06:56 103		12:42 59S	18:29 257		19:17
2024 Feb 18 (Sun)	06:07	06:55 102		12:42 60S	18:29 258		19:17
2024 Feb 19 (Mon)	06:07	06:55 102		12:42 60S	18:29 258		19:17
2024 Feb 20 (Tue)	06:06	06:54 102		12:42 60S	18:30 259		19:18
2024 Feb 21 (Wed)	06:06	06:54 101		12:42 61S	18:30 259		19:18
2024 Feb 22 (Thu)	06:05	06:53 101		12:42 61S	18:31 259		19:19
2024 Feb 23 (Fri)	06:04	06:52 100		12:42 61S	18:31 260		19:19
2024 Feb 24 (Sat)	06:04	06:52 100		12:41 62S	18:31 260		19:19

2024	Feb	25	(Sun)	06:03	06:51	100	12:41	62S	18:32	261	19:20
2024	Feb	26	(Mon)	06:03	06:50	99	12:41	63S	18:32	261	19:20
2024	Feb	27	(Tue)	06:02	06:50	99	12:41	63S	18:33	261	19:20
2024	Feb	28	(Wed)	06:01	06:49	98	12:41	63S	18:33	262	19:21
2024	Feb	29	(Thu)	06:01	06:48	98	12:41	64S	18:33	262	19:21
2024	Mar	01	(Fri)	06:00	06:47	98	12:40	64S	18:34	263	19:21
2024	Mar	02	(Sat)	05:59	06:47	97	12:40	64S	18:34	263	19:21
2024	Mar	03	(Sun)	05:58	06:46	97	12:40	65S	18:34	263	19:22
2024	Mar	04	(Mon)	05:58	06:45	96	12:40	65S	18:35	264	19:22
2024	Mar	05	(Tue)	05:57	06:44	96	12:40	66S	18:35	264	19:22
2024	Mar	06	(Wed)	05:56	06:44	96	12:39	66S	18:35	265	19:23
2024	Mar	07	(Thu)	05:55	06:43	95	12:39	66S	18:36	265	19:23
2024	Mar	08	(Fri)	05:55	06:42	95	12:39	67S	18:36	265	19:23
2024	Mar	09	(Sat)	05:54	06:41	94	12:39	67S	18:36	266	19:24
2024	Mar	10	(Sun)	05:53	06:40	94	12:38	68S	18:36	266	19:24
2024	Mar	11	(Mon)	05:52	06:40	94	12:38	68S	18:37	267	19:24
2024	Mar	12	(Tue)	05:52	06:39	93	12:38	68S	18:37	267	19:24
2024	Mar	13	(Wed)	05:51	06:38	93	12:38	69S	18:37	268	19:25
2024	Mar	14	(Thu)	05:50	06:37	92	12:37	69S	18:38	268	19:25
2024	Mar	15	(Fri)	05:49	06:36	92	12:37	69S	18:38	268	19:25
2024	Mar	16	(Sat)	05:48	06:36	91	12:37	70S	18:38	269	19:25
2024	Mar	17	(Sun)	05:47	06:35	91	12:36	70S	18:38	269	19:26
2024	Mar	18	(Mon)	05:47	06:34	91	12:36	71S	18:39	270	19:26
2024	Mar	19	(Tue)	05:46	06:33	90	12:36	71S	18:39	270	19:26
2024	Mar	20	(Wed)	05:45	06:32	90	12:36	71S	18:39	270	19:27
2024	Mar	21	(Thu)	05:44	06:31	89	12:35	72S	18:39	271	19:27
2024	Mar	22	(Fri)	05:43	06:30	89	12:35	72S	18:40	271	19:27
2024	Mar	23	(Sat)	05:42	06:30	89	12:35	73S	18:40	272	19:27
2024	Mar	24	(Sun)	05:41	06:29	88	12:34	73S	18:40	272	19:28
2024	Mar	25	(Mon)	05:40	06:28	88	12:34	73S	18:40	273	19:28
2024	Mar	26	(Tue)	05:40	06:27	87	12:34	74S	18:41	273	19:28
2024	Mar	27	(Wed)	05:39	06:26	87	12:33	74S	18:41	273	19:28
2024	Mar	28	(Thu)	05:38	06:25	86	12:33	75S	18:41	274	19:29
2024	Mar	29	(Fri)	05:37	06:24	86	12:33	75S	18:41	274	19:29
2024	Mar	30	(Sat)	05:36	06:24	86	12:33	75S	18:42	275	19:29
2024	Mar	31	(Sun)	05:35	06:23	85	12:32	76S	18:42	275	19:30
2024	Apr	01	(Mon)	05:34	06:22	85	12:32	76S	18:42	275	19:30
2024	Apr	02	(Tue)	05:33	06:21	84	12:32	77S	18:42	276	19:30
2024	Apr	03	(Wed)	05:32	06:20	84	12:31	77S	18:43	276	19:31
2024	Apr	04	(Thu)	05:32	06:19	84	12:31	77S	18:43	277	19:31
2024	Apr	05	(Fri)	05:31	06:19	83	12:31	78S	18:43	277	19:31
2024	Apr	06	(Sat)	05:30	06:18	83	12:30	78S	18:43	277	19:31
2024	Apr	07	(Sun)	05:29	06:17	82	12:30	78S	18:44	278	19:32
2024	Apr	08	(Mon)	05:28	06:16	82	12:30	79S	18:44	278	19:32
2024	Apr	09	(Tue)	05:27	06:15	82	12:30	79S	18:44	279	19:32
2024	Apr	10	(Wed)	05:26	06:15	81	12:29	80S	18:44	279	19:33
2024	Apr	11	(Thu)	05:25	06:14	81	12:29	80S	18:45	279	19:33
2024	Apr	12	(Fri)	05:25	06:13	80	12:29	80S	18:45	280	19:33
2024	Apr	13	(Sat)	05:24	06:12	80	12:29	81S	18:45	280	19:34
2024	Apr	14	(Sun)	05:23	06:11	80	12:28	81S	18:46	281	19:34
2024	Apr	15	(Mon)	05:22	06:11	79	12:28	81S	18:46	281	19:34
2024	Apr	16	(Tue)	05:21	06:10	79	12:28	82S	18:46	281	19:35
2024	Apr	17	(Wed)	05:20	06:09	79	12:28	82S	18:46	282	19:35
2024	Apr	18	(Thu)	05:20	06:08	78	12:27	82S	18:47	282	19:36
2024	Apr	19	(Fri)	05:19	06:08	78	12:27	83S	18:47	282	19:36
2024	Apr	20	(Sat)	05:18	06:07	77	12:27	83S	18:47	283	19:36
2024	Apr	21	(Sun)	05:17	06:06	77	12:27	83S	18:48	283	19:37
2024	Apr	22	(Mon)	05:16	06:06	77	12:27	84S	18:48	284	19:37
2024	Apr	23	(Tue)	05:16	06:05	76	12:26	84S	18:48	284	19:37
2024	Apr	24	(Wed)	05:15	06:04	76	12:26	84S	18:49	284	19:38
2024	Apr	25	(Thu)	05:14	06:04	76	12:26	85S	18:49	285	19:38
2024	Apr	26	(Fri)	05:13	06:03	75	12:26	85S	18:49	285	19:39
2024	Apr	27	(Sat)	05:13	06:02	75	12:26	85S	18:49	285	19:39
2024	Apr	28	(Sun)	05:12	06:02	75	12:26	86S	18:50	286	19:40
2024	Apr	29	(Mon)	05:11	06:01	74	12:25	86S	18:50	286	19:40
2024	Apr	30	(Tue)	05:11	06:00	74	12:25	86S	18:50	286	19:40
2024	May	01	(Wed)	05:10	06:00	74	12:25	87S	18:51	287	19:41

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

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

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

2024	Nov	19	(Tue)	05:48	06:38	110	12:14	52S	17:49	249	18:39
2024	Nov	20	(Wed)	05:49	06:39	111	12:14	52S	17:49	249	18:39
2024	Nov	21	(Thu)	05:49	06:39	111	12:14	51S	17:48	249	18:39
2024	Nov	22	(Fri)	05:50	06:40	111	12:14	51S	17:48	249	18:39
2024	Nov	23	(Sat)	05:50	06:41	111	12:15	51S	17:48	249	18:39
2024	Nov	24	(Sun)	05:51	06:41	112	12:15	51S	17:48	248	18:39
2024	Nov	25	(Mon)	05:52	06:42	112	12:15	51S	17:48	248	18:39
2024	Nov	26	(Tue)	05:52	06:42	112	12:15	50S	17:48	248	18:39
2024	Nov	27	(Wed)	05:53	06:43	112	12:16	50S	17:48	248	18:39
2024	Nov	28	(Thu)	05:53	06:44	112	12:16	50S	17:48	248	18:39
2024	Nov	29	(Fri)	05:54	06:44	113	12:16	50S	17:49	247	18:39
2024	Nov	30	(Sat)	05:54	06:45	113	12:17	50S	17:49	247	18:39
2024	Dec	01	(Sun)	05:55	06:46	113	12:17	50S	17:49	247	18:39
2024	Dec	02	(Mon)	05:55	06:46	113	12:18	49S	17:49	247	18:40
2024	Dec	03	(Tue)	05:56	06:47	113	12:18	49S	17:49	247	18:40
2024	Dec	04	(Wed)	05:57	06:47	113	12:18	49S	17:49	247	18:40
2024	Dec	05	(Thu)	05:57	06:48	113	12:19	49S	17:49	246	18:40
2024	Dec	06	(Fri)	05:58	06:49	114	12:19	49S	17:50	246	18:41
2024	Dec	07	(Sat)	05:58	06:49	114	12:20	49S	17:50	246	18:41
2024	Dec	08	(Sun)	05:59	06:50	114	12:20	49S	17:50	246	18:41
2024	Dec	09	(Mon)	05:59	06:51	114	12:21	49S	17:51	246	18:42
2024	Dec	10	(Tue)	06:00	06:51	114	12:21	48S	17:51	246	18:42
2024	Dec	11	(Wed)	06:01	06:52	114	12:21	48S	17:51	246	18:42
2024	Dec	12	(Thu)	06:01	06:52	114	12:22	48S	17:52	246	18:43
2024	Dec	13	(Fri)	06:02	06:53	114	12:22	48S	17:52	246	18:43
2024	Dec	14	(Sat)	06:02	06:53	114	12:23	48S	17:52	246	18:43
2024	Dec	15	(Sun)	06:03	06:54	114	12:23	48S	17:53	246	18:44
2024	Dec	16	(Mon)	06:03	06:55	114	12:24	48S	17:53	245	18:44
2024	Dec	17	(Tue)	06:04	06:55	115	12:24	48S	17:53	245	18:45
2024	Dec	18	(Wed)	06:04	06:56	115	12:25	48S	17:54	245	18:45
2024	Dec	19	(Thu)	06:05	06:56	115	12:25	48S	17:54	245	18:46
2024	Dec	20	(Fri)	06:05	06:57	115	12:26	48S	17:55	245	18:46
2024	Dec	21	(Sat)	06:06	06:57	115	12:26	48S	17:55	245	18:47
2024	Dec	22	(Sun)	06:06	06:58	115	12:27	48S	17:56	245	18:47
2024	Dec	23	(Mon)	06:07	06:58	115	12:27	48S	17:56	245	18:48
2024	Dec	24	(Tue)	06:07	06:59	115	12:28	48S	17:57	245	18:48
2024	Dec	25	(Wed)	06:08	06:59	115	12:28	48S	17:57	245	18:49
2024	Dec	26	(Thu)	06:08	07:00	115	12:29	48S	17:58	246	18:49
2024	Dec	27	(Fri)	06:09	07:00	114	12:29	48S	17:59	246	18:50
2024	Dec	28	(Sat)	06:09	07:00	114	12:30	48S	17:59	246	18:50
2024	Dec	29	(Sun)	06:10	07:01	114	12:30	48S	18:00	246	18:51
2024	Dec	30	(Mon)	06:10	07:01	114	12:31	48S	18:00	246	18:52
2024	Dec	31	(Tue)	06:10	07:02	114	12:31	48S	18:01	246	18:52

Sun

MaeHongSon

Location: E 97°58'11.9", N19°18'07.1", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit h m °	Alt. °	Set h m °	Az. °	End Civil Twilight h m			
2024	Jan	01	(Mon)	06:38	07:02	114	12:31	48S	18:01	246	18:25
2024	Jan	02	(Tue)	06:38	07:02	114	12:32	48S	18:02	246	18:25
2024	Jan	03	(Wed)	06:38	07:02	114	12:32	49S	18:02	246	18:26
2024	Jan	04	(Thu)	06:39	07:03	114	12:33	49S	18:03	246	18:27
2024	Jan	05	(Fri)	06:39	07:03	114	12:33	49S	18:04	246	18:27
2024	Jan	06	(Sat)	06:39	07:03	114	12:34	49S	18:04	246	18:28
2024	Jan	07	(Sun)	06:40	07:03	114	12:34	49S	18:05	246	18:29
2024	Jan	08	(Mon)	06:40	07:04	113	12:34	49S	18:05	247	18:29
2024	Jan	09	(Tue)	06:40	07:04	113	12:35	49S	18:06	247	18:30
2024	Jan	10	(Wed)	06:40	07:04	113	12:35	49S	18:07	247	18:30
2024	Jan	11	(Thu)	06:41	07:04	113	12:36	50S	18:07	247	18:31

2024	Jan	12	(Fri)	06:41	07:04	113	12:36	50S	18:08	247	18:32
2024	Jan	13	(Sat)	06:41	07:04	113	12:37	50S	18:09	247	18:32
2024	Jan	14	(Sun)	06:41	07:05	112	12:37	50S	18:09	248	18:33
2024	Jan	15	(Mon)	06:41	07:05	112	12:37	50S	18:10	248	18:33
2024	Jan	16	(Tue)	06:41	07:05	112	12:38	50S	18:11	248	18:34
2024	Jan	17	(Wed)	06:41	07:05	112	12:38	51S	18:11	248	18:35
2024	Jan	18	(Thu)	06:41	07:05	112	12:38	51S	18:12	248	18:35
2024	Jan	19	(Fri)	06:41	07:05	111	12:39	51S	18:13	249	18:36
2024	Jan	20	(Sat)	06:41	07:05	111	12:39	51S	18:13	249	18:37
2024	Jan	21	(Sun)	06:41	07:05	111	12:39	51S	18:14	249	18:37
2024	Jan	22	(Mon)	06:41	07:05	111	12:39	52S	18:14	249	18:38
2024	Jan	23	(Tue)	06:41	07:05	111	12:40	52S	18:15	250	18:38
2024	Jan	24	(Wed)	06:41	07:04	110	12:40	52S	18:16	250	18:39
2024	Jan	25	(Thu)	06:41	07:04	110	12:40	52S	18:16	250	18:39
2024	Jan	26	(Fri)	06:41	07:04	110	12:40	53S	18:17	250	18:40
2024	Jan	27	(Sat)	06:41	07:04	109	12:41	53S	18:18	251	18:41
2024	Jan	28	(Sun)	06:41	07:04	109	12:41	53S	18:18	251	18:41
2024	Jan	29	(Mon)	06:41	07:04	109	12:41	53S	18:19	251	18:42
2024	Jan	30	(Tue)	06:40	07:03	109	12:41	54S	18:19	251	18:42
2024	Jan	31	(Wed)	06:40	07:03	108	12:41	54S	18:20	252	18:43
2024	Feb	01	(Thu)	06:40	07:03	108	12:42	54S	18:20	252	18:43
2024	Feb	02	(Fri)	06:40	07:03	108	12:42	54S	18:21	252	18:44
2024	Feb	03	(Sat)	06:39	07:02	107	12:42	55S	18:22	253	18:44
2024	Feb	04	(Sun)	06:39	07:02	107	12:42	55S	18:22	253	18:45
2024	Feb	05	(Mon)	06:39	07:02	107	12:42	55S	18:23	253	18:45
2024	Feb	06	(Tue)	06:38	07:01	107	12:42	56S	18:23	254	18:46
2024	Feb	07	(Wed)	06:38	07:01	106	12:42	56S	18:24	254	18:46
2024	Feb	08	(Thu)	06:38	07:00	106	12:42	56S	18:24	254	18:47
2024	Feb	09	(Fri)	06:37	07:00	106	12:42	57S	18:25	255	18:47
2024	Feb	10	(Sat)	06:37	07:00	105	12:42	57S	18:25	255	18:48
2024	Feb	11	(Sun)	06:37	06:59	105	12:42	57S	18:26	255	18:48
2024	Feb	12	(Mon)	06:36	06:59	104	12:42	58S	18:26	256	18:49
2024	Feb	13	(Tue)	06:36	06:58	104	12:42	58S	18:27	256	18:49
2024	Feb	14	(Wed)	06:35	06:58	104	12:42	58S	18:27	256	18:50
2024	Feb	15	(Thu)	06:35	06:57	103	12:42	59S	18:28	257	18:50
2024	Feb	16	(Fri)	06:34	06:57	103	12:42	59S	18:28	257	18:51
2024	Feb	17	(Sat)	06:34	06:56	103	12:42	59S	18:29	257	18:51
2024	Feb	18	(Sun)	06:33	06:55	102	12:42	60S	18:29	258	18:51
2024	Feb	19	(Mon)	06:33	06:55	102	12:42	60S	18:29	258	18:52
2024	Feb	20	(Tue)	06:32	06:54	102	12:42	60S	18:30	259	18:52
2024	Feb	21	(Wed)	06:31	06:54	101	12:42	61S	18:30	259	18:53
2024	Feb	22	(Thu)	06:31	06:53	101	12:42	61S	18:31	259	18:53
2024	Feb	23	(Fri)	06:30	06:52	100	12:42	61S	18:31	260	18:53
2024	Feb	24	(Sat)	06:29	06:52	100	12:41	62S	18:31	260	18:54
2024	Feb	25	(Sun)	06:29	06:51	100	12:41	62S	18:32	261	18:54
2024	Feb	26	(Mon)	06:28	06:50	99	12:41	63S	18:32	261	18:54
2024	Feb	27	(Tue)	06:27	06:50	99	12:41	63S	18:33	261	18:55
2024	Feb	28	(Wed)	06:27	06:49	98	12:41	63S	18:33	262	18:55
2024	Feb	29	(Thu)	06:26	06:48	98	12:41	64S	18:33	262	18:55
2024	Mar	01	(Fri)	06:25	06:47	98	12:40	64S	18:34	263	18:56
2024	Mar	02	(Sat)	06:25	06:47	97	12:40	64S	18:34	263	18:56
2024	Mar	03	(Sun)	06:24	06:46	97	12:40	65S	18:34	263	18:56
2024	Mar	04	(Mon)	06:23	06:45	96	12:40	65S	18:35	264	18:57
2024	Mar	05	(Tue)	06:22	06:44	96	12:40	66S	18:35	264	18:57
2024	Mar	06	(Wed)	06:22	06:44	96	12:39	66S	18:35	265	18:57
2024	Mar	07	(Thu)	06:21	06:43	95	12:39	66S	18:36	265	18:57
2024	Mar	08	(Fri)	06:20	06:42	95	12:39	67S	18:36	265	18:58
2024	Mar	09	(Sat)	06:19	06:41	94	12:39	67S	18:36	266	18:58
2024	Mar	10	(Sun)	06:19	06:40	94	12:38	68S	18:36	266	18:58
2024	Mar	11	(Mon)	06:18	06:40	94	12:38	68S	18:37	267	18:59
2024	Mar	12	(Tue)	06:17	06:39	93	12:38	68S	18:37	267	18:59
2024	Mar	13	(Wed)	06:16	06:38	93	12:38	69S	18:37	268	18:59
2024	Mar	14	(Thu)	06:15	06:37	92	12:37	69S	18:38	268	18:59
2024	Mar	15	(Fri)	06:14	06:36	92	12:37	69S	18:38	268	19:00
2024	Mar	16	(Sat)	06:14	06:36	91	12:37	70S	18:38	269	19:00
2024	Mar	17	(Sun)	06:13	06:35	91	12:36	70S	18:38	269	19:00
2024	Mar	18	(Mon)	06:12	06:34	91	12:36	71S	18:39	270	19:01

2024	Mar	19	(Tue)	06:11	06:33	90	12:36	71S	18:39	270	19:01
2024	Mar	20	(Wed)	06:10	06:32	90	12:36	71S	18:39	270	19:01
2024	Mar	21	(Thu)	06:09	06:31	89	12:35	72S	18:39	271	19:01
2024	Mar	22	(Fri)	06:09	06:30	89	12:35	72S	18:40	271	19:02
2024	Mar	23	(Sat)	06:08	06:30	89	12:35	73S	18:40	272	19:02
2024	Mar	24	(Sun)	06:07	06:29	88	12:34	73S	18:40	272	19:02
2024	Mar	25	(Mon)	06:06	06:28	88	12:34	73S	18:40	273	19:02
2024	Mar	26	(Tue)	06:05	06:27	87	12:34	74S	18:41	273	19:03
2024	Mar	27	(Wed)	06:04	06:26	87	12:33	74S	18:41	273	19:03
2024	Mar	28	(Thu)	06:03	06:25	86	12:33	75S	18:41	274	19:03
2024	Mar	29	(Fri)	06:03	06:24	86	12:33	75S	18:41	274	19:03
2024	Mar	30	(Sat)	06:02	06:24	86	12:33	75S	18:42	275	19:04
2024	Mar	31	(Sun)	06:01	06:23	85	12:32	76S	18:42	275	19:04
2024	Apr	01	(Mon)	06:00	06:22	85	12:32	76S	18:42	275	19:04
2024	Apr	02	(Tue)	05:59	06:21	84	12:32	77S	18:42	276	19:04
2024	Apr	03	(Wed)	05:58	06:20	84	12:31	77S	18:43	276	19:05
2024	Apr	04	(Thu)	05:57	06:19	84	12:31	77S	18:43	277	19:05
2024	Apr	05	(Fri)	05:57	06:19	83	12:31	78S	18:43	277	19:05
2024	Apr	06	(Sat)	05:56	06:18	83	12:30	78S	18:43	277	19:06
2024	Apr	07	(Sun)	05:55	06:17	82	12:30	78S	18:44	278	19:06
2024	Apr	08	(Mon)	05:54	06:16	82	12:30	79S	18:44	278	19:06
2024	Apr	09	(Tue)	05:53	06:15	82	12:30	79S	18:44	279	19:06
2024	Apr	10	(Wed)	05:52	06:15	81	12:29	80S	18:44	279	19:07
2024	Apr	11	(Thu)	05:52	06:14	81	12:29	80S	18:45	279	19:07
2024	Apr	12	(Fri)	05:51	06:13	80	12:29	80S	18:45	280	19:07
2024	Apr	13	(Sat)	05:50	06:12	80	12:29	81S	18:45	280	19:08
2024	Apr	14	(Sun)	05:49	06:11	80	12:28	81S	18:46	281	19:08
2024	Apr	15	(Mon)	05:48	06:11	79	12:28	81S	18:46	281	19:08
2024	Apr	16	(Tue)	05:48	06:10	79	12:28	82S	18:46	281	19:09
2024	Apr	17	(Wed)	05:47	06:09	79	12:28	82S	18:46	282	19:09
2024	Apr	18	(Thu)	05:46	06:08	78	12:27	82S	18:47	282	19:09
2024	Apr	19	(Fri)	05:45	06:08	78	12:27	83S	18:47	282	19:10
2024	Apr	20	(Sat)	05:44	06:07	77	12:27	83S	18:47	283	19:10
2024	Apr	21	(Sun)	05:44	06:06	77	12:27	83S	18:48	283	19:10
2024	Apr	22	(Mon)	05:43	06:06	77	12:27	84S	18:48	284	19:11
2024	Apr	23	(Tue)	05:42	06:05	76	12:26	84S	18:48	284	19:11
2024	Apr	24	(Wed)	05:42	06:04	76	12:26	84S	18:49	284	19:11
2024	Apr	25	(Thu)	05:41	06:04	76	12:26	85S	18:49	285	19:12
2024	Apr	26	(Fri)	05:40	06:03	75	12:26	85S	18:49	285	19:12
2024	Apr	27	(Sat)	05:39	06:02	75	12:26	85S	18:49	285	19:12
2024	Apr	28	(Sun)	05:39	06:02	75	12:26	86S	18:50	286	19:13
2024	Apr	29	(Mon)	05:38	06:01	74	12:25	86S	18:50	286	19:13
2024	Apr	30	(Tue)	05:37	06:00	74	12:25	86S	18:50	286	19:13
2024	May	01	(Wed)	05:37	06:00	74	12:25	87S	18:51	287	19:14
2024	May	02	(Thu)	05:36	05:59	73	12:25	87S	18:51	287	19:14
2024	May	03	(Fri)	05:36	05:59	73	12:25	87S	18:52	287	19:15
2024	May	04	(Sat)	05:35	05:58	73	12:25	88S	18:52	287	19:15
2024	May	05	(Sun)	05:34	05:58	72	12:25	88S	18:52	288	19:15
2024	May	06	(Mon)	05:34	05:57	72	12:25	88S	18:53	288	19:16
2024	May	07	(Tue)	05:33	05:57	72	12:25	88S	18:53	288	19:16
2024	May	08	(Wed)	05:33	05:56	71	12:25	89S	18:53	289	19:17
2024	May	09	(Thu)	05:32	05:56	71	12:25	89S	18:54	289	19:17
2024	May	10	(Fri)	05:32	05:55	71	12:25	89S	18:54	289	19:17
2024	May	11	(Sat)	05:31	05:55	71	12:25	89S	18:54	290	19:18
2024	May	12	(Sun)	05:31	05:54	70	12:24	90S	18:55	290	19:18
2024	May	13	(Mon)	05:30	05:54	70	12:24	90S	18:55	290	19:19
2024	May	14	(Tue)	05:30	05:54	70	12:24	90S	18:56	290	19:19
2024	May	15	(Wed)	05:30	05:53	70	12:24	90S	18:56	291	19:20
2024	May	16	(Thu)	05:29	05:53	69	12:25	91S	18:56	291	19:20
2024	May	17	(Fri)	05:29	05:52	69	12:25	91N	18:57	291	19:20
2024	May	18	(Sat)	05:28	05:52	69	12:25	90N	18:57	291	19:21
2024	May	19	(Sun)	05:28	05:52	69	12:25	90N	18:58	291	19:21
2024	May	20	(Mon)	05:28	05:52	68	12:25	90N	18:58	292	19:22
2024	May	21	(Tue)	05:28	05:51	68	12:25	90N	18:58	292	19:22
2024	May	22	(Wed)	05:27	05:51	68	12:25	90N	18:59	292	19:23
2024	May	23	(Thu)	05:27	05:51	68	12:25	89N	18:59	292	19:23
2024	May	24	(Fri)	05:27	05:51	68	12:25	89N	19:00	293	19:23

2024	May	25	(Sat)	05:26	05:50	67	12:25	89N	19:00	293	19:24
2024	May	26	(Sun)	05:26	05:50	67	12:25	89N	19:00	293	19:24
2024	May	27	(Mon)	05:26	05:50	67	12:25	89N	19:01	293	19:25
2024	May	28	(Tue)	05:26	05:50	67	12:25	88N	19:01	293	19:25
2024	May	29	(Wed)	05:26	05:50	67	12:26	88N	19:02	293	19:26
2024	May	30	(Thu)	05:26	05:50	67	12:26	88N	19:02	294	19:26
2024	May	31	(Fri)	05:25	05:50	66	12:26	88N	19:02	294	19:26
2024	Jun	01	(Sat)	05:25	05:49	66	12:26	88N	19:03	294	19:27
2024	Jun	02	(Sun)	05:25	05:49	66	12:26	88N	19:03	294	19:27
2024	Jun	03	(Mon)	05:25	05:49	66	12:26	88N	19:03	294	19:28
2024	Jun	04	(Tue)	05:25	05:49	66	12:27	88N	19:04	294	19:28
2024	Jun	05	(Wed)	05:25	05:49	66	12:27	87N	19:04	294	19:28
2024	Jun	06	(Thu)	05:25	05:49	66	12:27	87N	19:05	294	19:29
2024	Jun	07	(Fri)	05:25	05:49	65	12:27	87N	19:05	295	19:29
2024	Jun	08	(Sat)	05:25	05:49	65	12:27	87N	19:05	295	19:30
2024	Jun	09	(Sun)	05:25	05:49	65	12:27	87N	19:06	295	19:30
2024	Jun	10	(Mon)	05:25	05:50	65	12:28	87N	19:06	295	19:30
2024	Jun	11	(Tue)	05:25	05:50	65	12:28	87N	19:06	295	19:31
2024	Jun	12	(Wed)	05:25	05:50	65	12:28	87N	19:06	295	19:31
2024	Jun	13	(Thu)	05:25	05:50	65	12:28	87N	19:07	295	19:31
2024	Jun	14	(Fri)	05:25	05:50	65	12:28	87N	19:07	295	19:32
2024	Jun	15	(Sat)	05:26	05:50	65	12:29	87N	19:07	295	19:32
2024	Jun	16	(Sun)	05:26	05:50	65	12:29	87N	19:08	295	19:32
2024	Jun	17	(Mon)	05:26	05:50	65	12:29	87N	19:08	295	19:32
2024	Jun	18	(Tue)	05:26	05:51	65	12:29	87N	19:08	295	19:33
2024	Jun	19	(Wed)	05:26	05:51	65	12:30	87N	19:08	295	19:33
2024	Jun	20	(Thu)	05:26	05:51	65	12:30	87N	19:09	295	19:33
2024	Jun	21	(Fri)	05:27	05:51	65	12:30	87N	19:09	295	19:33
2024	Jun	22	(Sat)	05:27	05:51	65	12:30	87N	19:09	295	19:34
2024	Jun	23	(Sun)	05:27	05:52	65	12:30	87N	19:09	295	19:34
2024	Jun	24	(Mon)	05:27	05:52	65	12:31	87N	19:09	295	19:34
2024	Jun	25	(Tue)	05:28	05:52	65	12:31	87N	19:10	295	19:34
2024	Jun	26	(Wed)	05:28	05:52	65	12:31	87N	19:10	295	19:34
2024	Jun	27	(Thu)	05:28	05:53	65	12:31	87N	19:10	295	19:34
2024	Jun	28	(Fri)	05:28	05:53	65	12:31	87N	19:10	295	19:34
2024	Jun	29	(Sat)	05:29	05:53	65	12:32	87N	19:10	295	19:34
2024	Jun	30	(Sun)	05:29	05:54	65	12:32	87N	19:10	295	19:35
2024	Jul	01	(Mon)	05:29	05:54	65	12:32	87N	19:10	295	19:35
2024	Jul	02	(Tue)	05:30	05:54	65	12:32	87N	19:10	295	19:35
2024	Jul	03	(Wed)	05:30	05:54	65	12:32	87N	19:10	295	19:35
2024	Jul	04	(Thu)	05:30	05:55	65	12:33	87N	19:10	295	19:35
2024	Jul	05	(Fri)	05:31	05:55	65	12:33	87N	19:10	294	19:35
2024	Jul	06	(Sat)	05:31	05:55	66	12:33	87N	19:10	294	19:35
2024	Jul	07	(Sun)	05:32	05:56	66	12:33	87N	19:10	294	19:35
2024	Jul	08	(Mon)	05:32	05:56	66	12:33	88N	19:10	294	19:35
2024	Jul	09	(Tue)	05:32	05:56	66	12:33	88N	19:10	294	19:34
2024	Jul	10	(Wed)	05:33	05:57	66	12:34	88N	19:10	294	19:34
2024	Jul	11	(Thu)	05:33	05:57	66	12:34	88N	19:10	294	19:34
2024	Jul	12	(Fri)	05:33	05:58	66	12:34	88N	19:10	294	19:34
2024	Jul	13	(Sat)	05:34	05:58	67	12:34	88N	19:10	293	19:34
2024	Jul	14	(Sun)	05:34	05:58	67	12:34	88N	19:10	293	19:34
2024	Jul	15	(Mon)	05:35	05:59	67	12:34	89N	19:10	293	19:34
2024	Jul	16	(Tue)	05:35	05:59	67	12:34	89N	19:09	293	19:33
2024	Jul	17	(Wed)	05:35	05:59	67	12:34	89N	19:09	293	19:33
2024	Jul	18	(Thu)	05:36	06:00	67	12:34	89N	19:09	293	19:33
2024	Jul	19	(Fri)	05:36	06:00	68	12:34	89N	19:09	292	19:33
2024	Jul	20	(Sat)	05:37	06:00	68	12:35	89N	19:08	292	19:32
2024	Jul	21	(Sun)	05:37	06:01	68	12:35	90N	19:08	292	19:32
2024	Jul	22	(Mon)	05:37	06:01	68	12:35	90N	19:08	292	19:32
2024	Jul	23	(Tue)	05:38	06:02	68	12:35	90N	19:08	291	19:31
2024	Jul	24	(Wed)	05:38	06:02	69	12:35	90N	19:07	291	19:31
2024	Jul	25	(Thu)	05:39	06:02	69	12:35	90N	19:07	291	19:31
2024	Jul	26	(Fri)	05:39	06:03	69	12:35	91N	19:07	291	19:30
2024	Jul	27	(Sat)	05:39	06:03	69	12:35	90S	19:06	291	19:30
2024	Jul	28	(Sun)	05:40	06:03	70	12:35	90S	19:06	290	19:29
2024	Jul	29	(Mon)	05:40	06:04	70	12:35	90S	19:05	290	19:29
2024	Jul	30	(Tue)	05:41	06:04	70	12:35	90S	19:05	290	19:28

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

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

2024	Dec	12	(Thu)	06:28	06:52	114	12:22	48S	17:52	246	18:15
2024	Dec	13	(Fri)	06:29	06:53	114	12:22	48S	17:52	246	18:16
2024	Dec	14	(Sat)	06:30	06:53	114	12:23	48S	17:52	246	18:16
2024	Dec	15	(Sun)	06:30	06:54	114	12:23	48S	17:53	246	18:17
2024	Dec	16	(Mon)	06:31	06:55	114	12:24	48S	17:53	245	18:17
2024	Dec	17	(Tue)	06:31	06:55	115	12:24	48S	17:53	245	18:17
2024	Dec	18	(Wed)	06:32	06:56	115	12:25	48S	17:54	245	18:18
2024	Dec	19	(Thu)	06:32	06:56	115	12:25	48S	17:54	245	18:18
2024	Dec	20	(Fri)	06:33	06:57	115	12:26	48S	17:55	245	18:19
2024	Dec	21	(Sat)	06:33	06:57	115	12:26	48S	17:55	245	18:19
2024	Dec	22	(Sun)	06:34	06:58	115	12:27	48S	17:56	245	18:20
2024	Dec	23	(Mon)	06:34	06:58	115	12:27	48S	17:56	245	18:20
2024	Dec	24	(Tue)	06:35	06:59	115	12:28	48S	17:57	245	18:21
2024	Dec	25	(Wed)	06:35	06:59	115	12:28	48S	17:57	245	18:21
2024	Dec	26	(Thu)	06:36	07:00	115	12:29	48S	17:58	246	18:22
2024	Dec	27	(Fri)	06:36	07:00	114	12:29	48S	17:59	246	18:22
2024	Dec	28	(Sat)	06:37	07:00	114	12:30	48S	17:59	246	18:23
2024	Dec	29	(Sun)	06:37	07:01	114	12:30	48S	18:00	246	18:24
2024	Dec	30	(Mon)	06:37	07:01	114	12:31	48S	18:00	246	18:24
2024	Dec	31	(Tue)	06:38	07:02	114	12:31	48S	18:01	246	18:25

Moon

MaeHongSon

Location: E 97°58'11.9", N19°18'07.1", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Rise Az.			Transit Alt.			Set Az.		
			h	m	°	h	m	°	h	m	°
2024	Jan	01 (Mon)	22:37	80		04:20	85S		10:47	283	
2024	Jan	02 (Tue)	23:24	86		05:00	79S		11:19	277	
2024	Jan	03 (Wed)				05:39	73S		11:49	271	
2024	Jan	04 (Thu)	00:12	92		06:18	67S		12:20	265	
2024	Jan	05 (Fri)	01:00	98		06:59	62S		12:53	259	
2024	Jan	06 (Sat)	01:51	104		07:41	56S		13:28	253	
2024	Jan	07 (Sun)	02:45	110		08:28	51S		14:08	248	
2024	Jan	08 (Mon)	03:43	115		09:20	47S		14:54	244	
2024	Jan	09 (Tue)	04:45	118		10:17	44S		15:48	241	
2024	Jan	10 (Wed)	05:49	120		11:19	43S		16:49	240	
2024	Jan	11 (Thu)	06:52	120		12:23	43S		17:55	241	
2024	Jan	12 (Fri)	07:50	117		13:25	46S		19:03	245	
2024	Jan	13 (Sat)	08:43	112		14:25	51S		20:10	250	
2024	Jan	14 (Sun)	09:30	106		15:20	57S		21:14	257	
2024	Jan	15 (Mon)	10:12	99		16:12	64S		22:15	264	
2024	Jan	16 (Tue)	10:52	92		17:00	71S		23:14	272	
2024	Jan	17 (Wed)	11:30	85		17:48	78S				
2024	Jan	18 (Thu)	12:08	78		18:36	84S		00:12	279	
2024	Jan	19 (Fri)	12:48	72		19:26	90S		01:10	286	
2024	Jan	20 (Sat)	13:31	67		20:17	87N		02:08	291	
2024	Jan	21 (Sun)	14:18	63		21:11	83N		03:07	296	
2024	Jan	22 (Mon)	15:09	61		22:06	82N		04:07	299	
2024	Jan	23 (Tue)	16:03	60		23:01	82N		05:04	300	
2024	Jan	24 (Wed)	16:59	61		23:55	83N		05:58	300	
2024	Jan	25 (Thu)	17:55	64					06:48	297	
2024	Jan	26 (Fri)	18:50	68		00:45	86N		07:32	294	
2024	Jan	27 (Sat)	19:41	73		01:32	90N		08:11	290	
2024	Jan	28 (Sun)	20:31	78		02:16	86S		08:46	284	
2024	Jan	29 (Mon)	21:19	84		02:57	81S		09:18	279	
2024	Jan	30 (Tue)	22:06	90		03:36	75S		09:49	273	
2024	Jan	31 (Wed)	22:54	96		04:15	69S		10:20	267	
2024	Feb	01 (Thu)	23:42	102		04:54	64S		10:51	261	
2024	Feb	02 (Fri)				05:35	58S		11:25	255	
2024	Feb	03 (Sat)	00:34	108		06:19	53S		12:02	250	
2024	Feb	04 (Sun)	01:28	113		07:07	48S		12:44	245	

2024 Feb 05 (Mon)	02:27 117	08:01 45S	13:32 242
2024 Feb 06 (Tue)	03:29 120	08:59 43S	14:28 240
2024 Feb 07 (Wed)	04:31 120	10:01 43S	15:31 240
2024 Feb 08 (Thu)	05:32 119	11:04 44S	16:39 243
2024 Feb 09 (Fri)	06:28 115	12:06 48S	17:47 247
2024 Feb 10 (Sat)	07:18 110	13:04 54S	18:54 254
2024 Feb 11 (Sun)	08:04 103	13:59 61S	19:59 261
2024 Feb 12 (Mon)	08:46 95	14:51 68S	21:01 269
2024 Feb 13 (Tue)	09:26 87	15:41 75S	22:01 276
2024 Feb 14 (Wed)	10:05 80	16:30 82S	23:01 284
2024 Feb 15 (Thu)	10:45 73	17:21 89S	
2024 Feb 16 (Fri)	11:28 68	18:13 88N	00:01 290
2024 Feb 17 (Sat)	12:15 63	19:07 84N	01:02 295
2024 Feb 18 (Sun)	13:05 61	20:02 82N	02:02 298
2024 Feb 19 (Mon)	13:59 60	20:57 82N	03:00 300
2024 Feb 20 (Tue)	14:54 61	21:51 83N	03:55 300
2024 Feb 21 (Wed)	15:50 63	22:42 85N	04:45 298
2024 Feb 22 (Thu)	16:44 66	23:29 89N	05:30 295
2024 Feb 23 (Fri)	17:36 71		06:10 291
2024 Feb 24 (Sat)	18:27 76	00:14 88S	06:47 286
2024 Feb 25 (Sun)	19:15 82	00:55 83S	07:20 281
2024 Feb 26 (Mon)	20:02 88	01:35 77S	07:51 275
2024 Feb 27 (Tue)	20:50 94	02:14 71S	08:22 269
2024 Feb 28 (Wed)	21:38 101	02:53 65S	08:52 263
2024 Feb 29 (Thu)	22:28 106	03:33 60S	09:25 257
2024 Mar 01 (Fri)	23:20 111	04:16 54S	10:00 251
2024 Mar 02 (Sat)		05:01 50S	10:39 246
2024 Mar 03 (Sun)	00:16 116	05:51 46S	11:24 243
2024 Mar 04 (Mon)	01:15 119	06:46 43S	12:15 240
2024 Mar 05 (Tue)	02:15 120	07:44 42S	13:13 240
2024 Mar 06 (Wed)	03:15 120	08:45 43S	14:16 241
2024 Mar 07 (Thu)	04:12 117	09:46 46S	15:23 245
2024 Mar 08 (Fri)	05:04 113	10:45 51S	16:30 250
2024 Mar 09 (Sat)	05:51 107	11:41 57S	17:36 257
2024 Mar 10 (Sun)	06:35 99	12:35 64S	18:39 265
2024 Mar 11 (Mon)	07:16 91	13:26 72S	19:42 273
2024 Mar 12 (Tue)	07:57 84	14:18 79S	20:44 280
2024 Mar 13 (Wed)	08:38 76	15:10 86S	21:46 287
2024 Mar 14 (Thu)	09:21 70	16:03 90N	22:49 293
2024 Mar 15 (Fri)	10:08 65	16:58 85N	23:52 297
2024 Mar 16 (Sat)	10:59 61	17:55 82N	
2024 Mar 17 (Sun)	11:52 60	18:51 81N	00:53 300
2024 Mar 18 (Mon)	12:48 60	19:46 82N	01:50 300
2024 Mar 19 (Tue)	13:44 62	20:38 84N	02:43 299
2024 Mar 20 (Wed)	14:39 65	21:27 87N	03:29 297
2024 Mar 21 (Thu)	15:32 69	22:12 90S	04:11 293
2024 Mar 22 (Fri)	16:23 74	22:55 85S	04:48 288
2024 Mar 23 (Sat)	17:12 80	23:35 79S	05:22 283
2024 Mar 24 (Sun)	17:59 86		05:53 277
2024 Mar 25 (Mon)	18:47 92	00:14 73S	06:24 271
2024 Mar 26 (Tue)	19:35 99	00:53 67S	06:55 265
2024 Mar 27 (Wed)	20:24 105	01:33 62S	07:27 259
2024 Mar 28 (Thu)	21:16 110	02:14 56S	08:01 253
2024 Mar 29 (Fri)	22:11 115	02:59 51S	08:38 248
2024 Mar 30 (Sat)	23:08 118	03:47 47S	09:21 244
2024 Mar 31 (Sun)		04:39 44S	10:09 241
2024 Apr 01 (Mon)	00:07 120	05:35 42S	11:03 240
2024 Apr 02 (Tue)	01:05 120	06:34 42S	12:03 240
2024 Apr 03 (Wed)	02:01 119	07:33 44S	13:07 243
2024 Apr 04 (Thu)	02:53 115	08:31 48S	14:11 247
2024 Apr 05 (Fri)	03:41 110	09:26 54S	15:15 253
2024 Apr 06 (Sat)	04:25 103	10:19 60S	16:18 260
2024 Apr 07 (Sun)	05:06 96	11:11 68S	17:20 268
2024 Apr 08 (Mon)	05:47 88	12:02 75S	18:22 276
2024 Apr 09 (Tue)	06:27 80	12:53 82S	19:25 284
2024 Apr 10 (Wed)	07:10 73	13:47 89S	20:29 290
2024 Apr 11 (Thu)	07:56 67	14:43 87N	21:34 296

2024 Apr 12 (Fri)	08:47 63	15:41 83N	22:38 299
2024 Apr 13 (Sat)	09:41 60	16:40 82N	23:39 300
2024 Apr 14 (Sun)	10:38 60	17:37 81N	
2024 Apr 15 (Mon)	11:36 61	18:32 83N	00:35 300
2024 Apr 16 (Tue)	12:32 64	19:23 86N	01:25 298
2024 Apr 17 (Wed)	13:27 68	20:09 90N	02:09 294
2024 Apr 18 (Thu)	14:18 73	20:53 86S	02:48 290
2024 Apr 19 (Fri)	15:08 78	21:34 81S	03:23 285
2024 Apr 20 (Sat)	15:55 84	22:13 75S	03:55 279
2024 Apr 21 (Sun)	16:43 90	22:52 69S	04:26 273
2024 Apr 22 (Mon)	17:30 97	23:31 63S	04:57 267
2024 Apr 23 (Tue)	18:20 103		05:28 261
2024 Apr 24 (Wed)	19:11 108	00:12 58S	06:02 255
2024 Apr 25 (Thu)	20:05 113	00:56 53S	06:38 249
2024 Apr 26 (Fri)	21:02 117	01:44 48S	07:20 245
2024 Apr 27 (Sat)	22:01 120	02:35 45S	08:06 242
2024 Apr 28 (Sun)	23:00 120	03:31 43S	08:59 240
2024 Apr 29 (Mon)	23:56 119	04:28 42S	09:57 240
2024 Apr 30 (Tue)		05:27 44S	10:59 242
2024 May 01 (Wed)	00:49 116	06:24 47S	12:01 246
2024 May 02 (Thu)	01:37 112	07:18 52S	13:04 251
2024 May 03 (Fri)	02:20 106	08:10 57S	14:05 257
2024 May 04 (Sat)	03:01 99	09:00 64S	15:05 265
2024 May 05 (Sun)	03:40 91	09:50 72S	16:05 272
2024 May 06 (Mon)	04:19 84	10:40 79S	17:06 280
2024 May 07 (Tue)	05:00 76	11:31 86S	18:08 287
2024 May 08 (Wed)	05:44 70	12:26 90N	19:13 293
2024 May 09 (Thu)	06:33 65	13:23 85N	20:18 297
2024 May 10 (Fri)	07:26 61	14:23 82N	21:22 300
2024 May 11 (Sat)	08:23 60	15:23 81N	22:22 300
2024 May 12 (Sun)	09:22 60	16:20 82N	23:16 299
2024 May 13 (Mon)	10:21 62	17:14 85N	
2024 May 14 (Tue)	11:17 66	18:03 89N	00:04 296
2024 May 15 (Wed)	12:11 71	18:49 88S	00:45 291
2024 May 16 (Thu)	13:01 76	19:31 83S	01:22 286
2024 May 17 (Fri)	13:50 82	20:10 77S	01:55 281
2024 May 18 (Sat)	14:37 88	20:49 72S	02:27 275
2024 May 19 (Sun)	15:25 94	21:28 66S	02:57 269
2024 May 20 (Mon)	16:13 100	22:09 60S	03:28 263
2024 May 21 (Tue)	17:04 106	22:52 54S	04:01 257
2024 May 22 (Wed)	17:58 111	23:39 50S	04:36 251
2024 May 23 (Thu)	18:54 116		05:16 246
2024 May 24 (Fri)	19:54 119	00:29 46S	06:02 243
2024 May 25 (Sat)	20:54 120	01:24 43S	06:54 240
2024 May 26 (Sun)	21:52 120	02:22 42S	07:51 240
2024 May 27 (Mon)	22:46 117	03:21 43S	08:52 241
2024 May 28 (Tue)	23:35 113	04:19 46S	09:55 244
2024 May 29 (Wed)		05:14 50S	10:58 249
2024 May 30 (Thu)	00:19 108	06:07 56S	11:58 255
2024 May 31 (Fri)	01:00 101	06:56 62S	12:57 262
2024 Jun 01 (Sat)	01:38 94	07:44 69S	13:55 270
2024 Jun 02 (Sun)	02:16 87	08:32 76S	14:54 277
2024 Jun 03 (Mon)	02:55 79	09:22 83S	15:54 284
2024 Jun 04 (Tue)	03:37 73	10:14 89S	16:56 291
2024 Jun 05 (Wed)	04:22 67	11:09 87N	18:00 296
2024 Jun 06 (Thu)	05:13 63	12:07 83N	19:04 299
2024 Jun 07 (Fri)	06:08 60	13:07 82N	20:06 300
2024 Jun 08 (Sat)	07:07 60	14:06 82N	21:04 299
2024 Jun 09 (Sun)	08:07 61	15:02 84N	21:55 297
2024 Jun 10 (Mon)	09:05 65	15:54 87N	22:40 293
2024 Jun 11 (Tue)	10:01 69	16:42 90S	23:19 288
2024 Jun 12 (Wed)	10:53 74	17:26 85S	23:54 283
2024 Jun 13 (Thu)	11:43 80	18:06 79S	
2024 Jun 14 (Fri)	12:31 86	18:46 74S	00:26 277
2024 Jun 15 (Sat)	13:18 92	19:25 68S	00:57 271
2024 Jun 16 (Sun)	14:06 98	20:04 62S	01:27 265
2024 Jun 17 (Mon)	14:55 104	20:46 56S	01:59 259

2024 Jun 18 (Tue)	15:47 109	21:31 51S	02:33 253
2024 Jun 19 (Wed)	16:43 114	22:20 47S	03:11 248
2024 Jun 20 (Thu)	17:41 118	23:14 44S	03:54 244
2024 Jun 21 (Fri)	18:42 120		04:44 241
2024 Jun 22 (Sat)	19:42 120	00:11 42S	05:40 240
2024 Jun 23 (Sun)	20:39 118	01:11 43S	06:42 240
2024 Jun 24 (Mon)	21:31 115	02:11 45S	07:46 243
2024 Jun 25 (Tue)	22:18 109	03:09 49S	08:50 248
2024 Jun 26 (Wed)	23:00 103	04:03 54S	09:52 254
2024 Jun 27 (Thu)	23:39 96	04:54 60S	10:52 260
2024 Jun 28 (Fri)		05:42 67S	11:51 268
2024 Jun 29 (Sat)	00:17 89	06:30 74S	12:48 275
2024 Jun 30 (Sun)	00:55 81	07:18 81S	13:47 282
2024 Jul 01 (Mon)	01:34 75	08:08 88S	14:47 289
2024 Jul 02 (Tue)	02:17 69	09:01 89N	15:49 294
2024 Jul 03 (Wed)	03:05 64	09:56 84N	16:52 298
2024 Jul 04 (Thu)	03:57 61	10:55 82N	17:54 300
2024 Jul 05 (Fri)	04:54 60	11:54 82N	18:53 300
2024 Jul 06 (Sat)	05:54 61	12:51 83N	19:46 298
2024 Jul 07 (Sun)	06:53 63	13:45 86N	20:33 295
2024 Jul 08 (Mon)	07:50 67	14:34 90N	21:14 290
2024 Jul 09 (Tue)	08:44 72	15:20 87S	21:51 285
2024 Jul 10 (Wed)	09:35 78	16:02 82S	22:24 279
2024 Jul 11 (Thu)	10:23 84	16:42 76S	22:56 273
2024 Jul 12 (Fri)	11:11 90	17:21 70S	23:26 267
2024 Jul 13 (Sat)	11:58 96	18:00 64S	23:57 261
2024 Jul 14 (Sun)	12:46 102	18:40 59S	
2024 Jul 15 (Mon)	13:37 107	19:23 53S	00:30 255
2024 Jul 16 (Tue)	14:30 112	20:10 49S	01:06 250
2024 Jul 17 (Wed)	15:27 117	21:01 45S	01:46 246
2024 Jul 18 (Thu)	16:27 119	21:57 43S	02:33 242
2024 Jul 19 (Fri)	17:27 120	22:56 42S	03:26 240
2024 Jul 20 (Sat)	18:26 119	23:57 44S	04:26 240
2024 Jul 21 (Sun)	19:22 116		05:30 242
2024 Jul 22 (Mon)	20:11 111	00:57 47S	06:36 246
2024 Jul 23 (Tue)	20:56 105	01:54 52S	07:41 251
2024 Jul 24 (Wed)	21:38 98	02:47 58S	08:43 258
2024 Jul 25 (Thu)	22:16 91	03:38 65S	09:44 265
2024 Jul 26 (Fri)	22:55 83	04:27 72S	10:43 273
2024 Jul 27 (Sat)	23:34 76	05:16 79S	11:42 280
2024 Jul 28 (Sun)		06:05 86S	12:41 287
2024 Jul 29 (Mon)	00:16 70	06:57 90N	13:42 293
2024 Jul 30 (Tue)	01:02 65	07:51 85N	14:44 297
2024 Jul 31 (Wed)	01:52 62	08:48 83N	15:46 300
2024 Aug 01 (Thu)	02:47 60	09:46 81N	16:45 300
2024 Aug 02 (Fri)	03:45 60	10:43 82N	17:40 299
2024 Aug 03 (Sat)	04:43 62	11:37 84N	18:28 296
2024 Aug 04 (Sun)	05:41 65	12:28 88N	19:11 292
2024 Aug 05 (Mon)	06:36 70	13:15 89S	19:49 287
2024 Aug 06 (Tue)	07:28 75	13:58 84S	20:24 281
2024 Aug 07 (Wed)	08:17 81	14:39 78S	20:56 276
2024 Aug 08 (Thu)	09:05 88	15:18 72S	21:26 269
2024 Aug 09 (Fri)	09:52 94	15:56 66S	21:57 263
2024 Aug 10 (Sat)	10:40 100	16:36 60S	22:28 257
2024 Aug 11 (Sun)	11:29 105	17:17 55S	23:02 252
2024 Aug 12 (Mon)	12:20 111	18:02 50S	23:40 247
2024 Aug 13 (Tue)	13:14 115	18:50 46S	
2024 Aug 14 (Wed)	14:12 118	19:43 44S	00:23 243
2024 Aug 15 (Thu)	15:11 120	20:40 42S	01:12 241
2024 Aug 16 (Fri)	16:10 120	21:39 43S	02:08 240
2024 Aug 17 (Sat)	17:07 118	22:40 45S	03:10 240
2024 Aug 18 (Sun)	18:00 114	23:38 49S	04:15 243
2024 Aug 19 (Mon)	18:47 108		05:21 248
2024 Aug 20 (Tue)	19:31 101	00:34 55S	06:26 255
2024 Aug 21 (Wed)	20:12 94	01:28 62S	07:29 262
2024 Aug 22 (Thu)	20:51 86	02:19 69S	08:31 270
2024 Aug 23 (Fri)	21:32 79	03:09 77S	09:32 278

2024 Aug 24 (Sat)	22:14	72	04:00	84S	10:33	285
2024 Aug 25 (Sun)	22:59	66	04:52	90S	11:35	291
2024 Aug 26 (Mon)	23:48	62	05:46	86N	12:38	296
2024 Aug 27 (Tue)			06:43	83N	13:41	299
2024 Aug 28 (Wed)	00:42	60	07:41	81N	14:41	300
2024 Aug 29 (Thu)	01:39	60	08:38	82N	15:36	300
2024 Aug 30 (Fri)	02:37	61	09:33	83N	16:26	297
2024 Aug 31 (Sat)	03:35	64	10:24	87N	17:10	294
2024 Sep 01 (Sun)	04:30	68	11:12	91S	17:49	289
2024 Sep 02 (Mon)	05:23	74	11:56	85S	18:25	284
2024 Sep 03 (Tue)	06:13	79	12:37	80S	18:57	278
2024 Sep 04 (Wed)	07:01	85	13:16	74S	19:28	271
2024 Sep 05 (Thu)	07:48	92	13:55	68S	19:58	265
2024 Sep 06 (Fri)	08:35	98	14:34	62S	20:29	259
2024 Sep 07 (Sat)	09:23	104	15:15	57S	21:02	254
2024 Sep 08 (Sun)	10:14	109	15:57	52S	21:38	249
2024 Sep 09 (Mon)	11:06	114	16:43	48S	22:18	244
2024 Sep 10 (Tue)	12:01	117	17:33	44S	23:03	241
2024 Sep 11 (Wed)	12:59	120	18:27	42S	23:55	240
2024 Sep 12 (Thu)	13:56	121	19:24	42S		
2024 Sep 13 (Fri)	14:53	119	20:23	44S	00:53	240
2024 Sep 14 (Sat)	15:46	116	21:21	47S	01:55	242
2024 Sep 15 (Sun)	16:35	112	22:18	52S	02:59	246
2024 Sep 16 (Mon)	17:20	105	23:12	58S	04:04	251
2024 Sep 17 (Tue)	18:03	98			05:08	258
2024 Sep 18 (Wed)	18:43	90	00:04	65S	06:11	266
2024 Sep 19 (Thu)	19:24	82	00:56	73S	07:13	274
2024 Sep 20 (Fri)	20:06	75	01:47	81S	08:16	282
2024 Sep 21 (Sat)	20:52	68	02:41	88S	09:21	289
2024 Sep 22 (Sun)	21:42	63	03:37	88N	10:26	295
2024 Sep 23 (Mon)	22:36	60	04:35	84N	11:31	298
2024 Sep 24 (Tue)	23:33	59	05:34	82N	12:34	300
2024 Sep 25 (Wed)			06:33	81N	13:32	300
2024 Sep 26 (Thu)	00:32	60	07:29	83N	14:24	298
2024 Sep 27 (Fri)	01:30	63	08:22	85N	15:10	295
2024 Sep 28 (Sat)	02:26	67	09:10	89N	15:50	291
2024 Sep 29 (Sun)	03:19	72	09:55	87S	16:26	285
2024 Sep 30 (Mon)	04:09	77	10:36	82S	16:59	280
2024 Oct 01 (Tue)	04:58	83	11:16	76S	17:30	274
2024 Oct 02 (Wed)	05:45	90	11:55	70S	18:01	267
2024 Oct 03 (Thu)	06:32	96	12:34	64S	18:31	261
2024 Oct 04 (Fri)	07:20	102	13:14	59S	19:03	256
2024 Oct 05 (Sat)	08:09	107	13:56	53S	19:38	250
2024 Oct 06 (Sun)	09:01	112	14:40	49S	20:17	246
2024 Oct 07 (Mon)	09:55	116	15:29	45S	21:00	242
2024 Oct 08 (Tue)	10:51	119	16:21	43S	21:49	240
2024 Oct 09 (Wed)	11:48	121	17:16	42S	22:43	239
2024 Oct 10 (Thu)	12:44	120	18:12	43S	23:42	241
2024 Oct 11 (Fri)	13:36	118	19:09	45S		
2024 Oct 12 (Sat)	14:25	114	20:04	49S	00:43	244
2024 Oct 13 (Sun)	15:11	108	20:57	55S	01:46	248
2024 Oct 14 (Mon)	15:53	102	21:49	62S	02:48	255
2024 Oct 15 (Tue)	16:33	94	22:40	69S	03:50	262
2024 Oct 16 (Wed)	17:14	86	23:31	77S	04:51	270
2024 Oct 17 (Thu)	17:55	79			05:54	278
2024 Oct 18 (Fri)	18:40	71	00:24	84S	06:58	285
2024 Oct 19 (Sat)	19:29	66	01:20	91S	08:05	292
2024 Oct 20 (Sun)	20:23	62	02:18	86N	09:12	297
2024 Oct 21 (Mon)	21:21	60	03:20	82N	10:19	300
2024 Oct 22 (Tue)	22:21	60	04:21	81N	11:21	300
2024 Oct 23 (Wed)	23:22	62	05:21	82N	12:18	299
2024 Oct 24 (Thu)			06:16	84N	13:07	296
2024 Oct 25 (Fri)	00:19	65	07:07	88N	13:50	292
2024 Oct 26 (Sat)	01:14	70	07:53	89S	14:27	287
2024 Oct 27 (Sun)	02:05	76	08:36	84S	15:01	281
2024 Oct 28 (Mon)	02:54	81	09:16	78S	15:33	276
2024 Oct 29 (Tue)	03:42	88	09:55	72S	16:03	269

2024	Oct	30	(Wed)	04:29	94	10:33	66S	16:34	263
2024	Oct	31	(Thu)	05:16	100	11:13	60S	17:05	257
2024	Nov	01	(Fri)	06:06	106	11:54	55S	17:39	252
2024	Nov	02	(Sat)	06:57	111	12:38	50S	18:17	247
2024	Nov	03	(Sun)	07:51	115	13:26	46S	18:59	243
2024	Nov	04	(Mon)	08:46	118	14:17	44S	19:46	241
2024	Nov	05	(Tue)	09:43	120	15:11	42S	20:39	240
2024	Nov	06	(Wed)	10:39	120	16:07	42S	21:36	240
2024	Nov	07	(Thu)	11:32	119	17:02	44S	22:35	243
2024	Nov	08	(Fri)	12:21	115	17:57	48S	23:36	247
2024	Nov	09	(Sat)	13:06	111	18:49	53S		
2024	Nov	10	(Sun)	13:47	104	19:39	59S	00:36	252
2024	Nov	11	(Mon)	14:27	98	20:28	66S	01:35	259
2024	Nov	12	(Tue)	15:05	90	21:17	73S	02:34	266
2024	Nov	13	(Wed)	15:45	82	22:08	80S	03:34	274
2024	Nov	14	(Thu)	16:27	75	23:01	87S	04:36	281
2024	Nov	15	(Fri)	17:13	69	23:58	88N	05:40	289
2024	Nov	16	(Sat)	18:05	64			06:48	294
2024	Nov	17	(Sun)	19:03	61	00:59	84N	07:56	298
2024	Nov	18	(Mon)	20:04	60	02:02	82N	09:02	300
2024	Nov	19	(Tue)	21:07	61	03:04	81N	10:04	300
2024	Nov	20	(Wed)	22:07	64	04:04	83N	10:58	298
2024	Nov	21	(Thu)	23:05	68	04:58	86N	11:45	294
2024	Nov	22	(Fri)	23:59	74	05:47	91S	12:25	289
2024	Nov	23	(Sat)			06:32	85S	13:01	283
2024	Nov	24	(Sun)	00:49	79	07:13	80S	13:33	278
2024	Nov	25	(Mon)	01:37	85	07:53	74S	14:04	271
2024	Nov	26	(Tue)	02:24	92	08:32	68S	14:35	265
2024	Nov	27	(Wed)	03:12	98	09:11	62S	15:06	259
2024	Nov	28	(Thu)	04:00	104	09:51	57S	15:39	254
2024	Nov	29	(Fri)	04:51	109	10:35	52S	16:15	249
2024	Nov	30	(Sat)	05:44	114	11:21	48S	16:56	244
2024	Dec	01	(Sun)	06:39	117	12:12	44S	17:42	241
2024	Dec	02	(Mon)	07:37	120	13:06	43S	18:34	240
2024	Dec	03	(Tue)	08:34	120	14:02	42S	19:30	240
2024	Dec	04	(Wed)	09:28	119	14:58	44S	20:30	242
2024	Dec	05	(Thu)	10:19	116	15:53	47S	21:30	245
2024	Dec	06	(Fri)	11:05	112	16:46	51S	22:30	251
2024	Dec	07	(Sat)	11:47	106	17:35	57S	23:29	257
2024	Dec	08	(Sun)	12:26	100	18:23	63S		
2024	Dec	09	(Mon)	13:03	93	19:11	70S	00:26	264
2024	Dec	10	(Tue)	13:41	85	19:59	77S	01:23	271
2024	Dec	11	(Wed)	14:20	78	20:49	84S	02:22	278
2024	Dec	12	(Thu)	15:03	71	21:42	91S	03:23	286
2024	Dec	13	(Fri)	15:51	66	22:40	86N	04:27	292
2024	Dec	14	(Sat)	16:45	62	23:41	83N	05:33	297
2024	Dec	15	(Sun)	17:44	60			06:41	300
2024	Dec	16	(Mon)	18:47	60	00:44	81N	07:45	300
2024	Dec	17	(Tue)	19:50	62	01:46	82N	08:43	299
2024	Dec	18	(Wed)	20:50	66	02:44	85N	09:34	296
2024	Dec	19	(Thu)	21:47	71	03:37	89N	10:19	291
2024	Dec	20	(Fri)	22:40	77	04:24	88S	10:57	286
2024	Dec	21	(Sat)	23:30	83	05:08	82S	11:31	280
2024	Dec	22	(Sun)			05:49	76S	12:03	274
2024	Dec	23	(Mon)	00:18	89	06:28	70S	12:34	268
2024	Dec	24	(Tue)	01:05	96	07:07	64S	13:05	262
2024	Dec	25	(Wed)	01:53	102	07:47	59S	13:37	256
2024	Dec	26	(Thu)	02:42	107	08:29	54S	14:12	251
2024	Dec	27	(Fri)	03:34	112	09:14	49S	14:51	246
2024	Dec	28	(Sat)	04:29	116	10:03	46S	15:35	242
2024	Dec	29	(Sun)	05:26	119	10:56	43S	16:25	240
2024	Dec	30	(Mon)	06:24	120	11:52	42S	17:21	240
2024	Dec	31	(Tue)	07:20	120	12:50	43S	18:20	241