

Sun

Rayong

Location: E101°10'12.0", N12°38'41.9", 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)	05:47	06:37 113		12:19 55S	18:00 247		18:50
2024 Jan 02 (Tue)	05:48	06:37 113		12:19 55S	18:01 247		18:50
2024 Jan 03 (Wed)	05:48	06:37 113		12:19 55S	18:02 247		18:51
2024 Jan 04 (Thu)	05:48	06:38 113		12:20 55S	18:02 247		18:52
2024 Jan 05 (Fri)	05:49	06:38 113		12:20 55S	18:03 247		18:52
2024 Jan 06 (Sat)	05:49	06:38 113		12:21 56S	18:03 247		18:53
2024 Jan 07 (Sun)	05:49	06:39 113		12:21 56S	18:04 247		18:53
2024 Jan 08 (Mon)	05:50	06:39 113		12:22 56S	18:04 247		18:54
2024 Jan 09 (Tue)	05:50	06:39 113		12:22 56S	18:05 247		18:54
2024 Jan 10 (Wed)	05:50	06:40 112		12:23 56S	18:06 248		18:55
2024 Jan 11 (Thu)	05:51	06:40 112		12:23 56S	18:06 248		18:55
2024 Jan 12 (Fri)	05:51	06:40 112		12:23 56S	18:07 248		18:56
2024 Jan 13 (Sat)	05:51	06:40 112		12:24 57S	18:07 248		18:56
2024 Jan 14 (Sun)	05:52	06:41 112		12:24 57S	18:08 248		18:57
2024 Jan 15 (Mon)	05:52	06:41 112		12:24 57S	18:08 248		18:57
2024 Jan 16 (Tue)	05:52	06:41 111		12:25 57S	18:09 249		18:58
2024 Jan 17 (Wed)	05:52	06:41 111		12:25 57S	18:09 249		18:58
2024 Jan 18 (Thu)	05:53	06:41 111		12:25 57S	18:10 249		18:59
2024 Jan 19 (Fri)	05:53	06:41 111		12:26 58S	18:10 249		18:59
2024 Jan 20 (Sat)	05:53	06:41 111		12:26 58S	18:11 249		18:59
2024 Jan 21 (Sun)	05:53	06:41 110		12:26 58S	18:11 250		19:00
2024 Jan 22 (Mon)	05:53	06:42 110		12:27 58S	18:12 250		19:00
2024 Jan 23 (Tue)	05:53	06:42 110		12:27 59S	18:12 250		19:01
2024 Jan 24 (Wed)	05:53	06:42 110		12:27 59S	18:13 250		19:01
2024 Jan 25 (Thu)	05:53	06:42 109		12:27 59S	18:13 251		19:02
2024 Jan 26 (Fri)	05:53	06:42 109		12:28 59S	18:14 251		19:02
2024 Jan 27 (Sat)	05:54	06:42 109		12:28 59S	18:14 251		19:02
2024 Jan 28 (Sun)	05:54	06:42 109		12:28 60S	18:15 251		19:03
2024 Jan 29 (Mon)	05:54	06:41 108		12:28 60S	18:15 252		19:03
2024 Jan 30 (Tue)	05:54	06:41 108		12:28 60S	18:16 252		19:03
2024 Jan 31 (Wed)	05:54	06:41 108		12:29 61S	18:16 252		19:04
2024 Feb 01 (Thu)	05:53	06:41 108		12:29 61S	18:16 253		19:04
2024 Feb 02 (Fri)	05:53	06:41 107		12:29 61S	18:17 253		19:04
2024 Feb 03 (Sat)	05:53	06:41 107		12:29 61S	18:17 253		19:05
2024 Feb 04 (Sun)	05:53	06:41 107		12:29 62S	18:18 253		19:05
2024 Feb 05 (Mon)	05:53	06:41 106		12:29 62S	18:18 254		19:05
2024 Feb 06 (Tue)	05:53	06:40 106		12:29 62S	18:18 254		19:06
2024 Feb 07 (Wed)	05:53	06:40 106		12:29 63S	18:19 254		19:06
2024 Feb 08 (Thu)	05:53	06:40 105		12:29 63S	18:19 255		19:06
2024 Feb 09 (Fri)	05:52	06:40 105		12:29 63S	18:19 255		19:07
2024 Feb 10 (Sat)	05:52	06:39 105		12:30 64S	18:20 255		19:07
2024 Feb 11 (Sun)	05:52	06:39 104		12:30 64S	18:20 256		19:07
2024 Feb 12 (Mon)	05:52	06:39 104		12:30 64S	18:20 256		19:07
2024 Feb 13 (Tue)	05:52	06:38 104		12:30 65S	18:21 256		19:08
2024 Feb 14 (Wed)	05:51	06:38 103		12:29 65S	18:21 257		19:08
2024 Feb 15 (Thu)	05:51	06:38 103		12:29 65S	18:21 257		19:08
2024 Feb 16 (Fri)	05:51	06:37 103		12:29 66S	18:22 257		19:08
2024 Feb 17 (Sat)	05:50	06:37 102		12:29 66S	18:22 258		19:08
2024 Feb 18 (Sun)	05:50	06:37 102		12:29 66S	18:22 258		19:09
2024 Feb 19 (Mon)	05:50	06:36 102		12:29 67S	18:22 259		19:09
2024 Feb 20 (Tue)	05:49	06:36 101		12:29 67S	18:23 259		19:09
2024 Feb 21 (Wed)	05:49	06:35 101		12:29 67S	18:23 259		19:09
2024 Feb 22 (Thu)	05:49	06:35 101		12:29 68S	18:23 260		19:09
2024 Feb 23 (Fri)	05:48	06:34 100		12:29 68S	18:23 260		19:10
2024 Feb 24 (Sat)	05:48	06:34 100		12:29 68S	18:23 260		19:10

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

2024	May	02	(Thu)	05:07	05:55	74	12:12	88N	18:30	286	19:18
2024	May	03	(Fri)	05:06	05:54	74	12:12	88N	18:30	286	19:18
2024	May	04	(Sat)	05:06	05:54	73	12:12	87N	18:31	287	19:19
2024	May	05	(Sun)	05:05	05:53	73	12:12	87N	18:31	287	19:19
2024	May	06	(Mon)	05:05	05:53	73	12:12	87N	18:31	287	19:19
2024	May	07	(Tue)	05:04	05:53	72	12:12	86N	18:31	288	19:20
2024	May	08	(Wed)	05:04	05:52	72	12:12	86N	18:31	288	19:20
2024	May	09	(Thu)	05:03	05:52	72	12:12	86N	18:32	288	19:20
2024	May	10	(Fri)	05:03	05:52	72	12:12	86N	18:32	288	19:21
2024	May	11	(Sat)	05:03	05:51	71	12:12	85N	18:32	289	19:21
2024	May	12	(Sun)	05:02	05:51	71	12:12	85N	18:32	289	19:21
2024	May	13	(Mon)	05:02	05:51	71	12:12	85N	18:33	289	19:22
2024	May	14	(Tue)	05:02	05:51	71	12:12	85N	18:33	289	19:22
2024	May	15	(Wed)	05:01	05:50	70	12:12	84N	18:33	290	19:22
2024	May	16	(Thu)	05:01	05:50	70	12:12	84N	18:33	290	19:23
2024	May	17	(Fri)	05:01	05:50	70	12:12	84N	18:34	290	19:23
2024	May	18	(Sat)	05:00	05:50	70	12:12	84N	18:34	290	19:23
2024	May	19	(Sun)	05:00	05:50	69	12:12	83N	18:34	291	19:24
2024	May	20	(Mon)	05:00	05:49	69	12:12	83N	18:34	291	19:24
2024	May	21	(Tue)	05:00	05:49	69	12:12	83N	18:35	291	19:24
2024	May	22	(Wed)	05:00	05:49	69	12:12	83N	18:35	291	19:25
2024	May	23	(Thu)	04:59	05:49	69	12:12	83N	18:35	291	19:25
2024	May	24	(Fri)	04:59	05:49	68	12:12	82N	18:36	292	19:25
2024	May	25	(Sat)	04:59	05:49	68	12:12	82N	18:36	292	19:26
2024	May	26	(Sun)	04:59	05:49	68	12:12	82N	18:36	292	19:26
2024	May	27	(Mon)	04:59	05:49	68	12:13	82N	18:36	292	19:26
2024	May	28	(Tue)	04:59	05:49	68	12:13	82N	18:37	292	19:27
2024	May	29	(Wed)	04:59	05:49	68	12:13	82N	18:37	293	19:27
2024	May	30	(Thu)	04:58	05:49	67	12:13	82N	18:37	293	19:28
2024	May	31	(Fri)	04:58	05:49	67	12:13	81N	18:38	293	19:28
2024	Jun	01	(Sat)	04:58	05:49	67	12:13	81N	18:38	293	19:28
2024	Jun	02	(Sun)	04:58	05:49	67	12:13	81N	18:38	293	19:29
2024	Jun	03	(Mon)	04:58	05:49	67	12:14	81N	18:38	293	19:29
2024	Jun	04	(Tue)	04:58	05:49	67	12:14	81N	18:39	293	19:29
2024	Jun	05	(Wed)	04:58	05:49	67	12:14	81N	18:39	293	19:30
2024	Jun	06	(Thu)	04:58	05:49	67	12:14	81N	18:39	294	19:30
2024	Jun	07	(Fri)	04:58	05:49	66	12:14	81N	18:40	294	19:30
2024	Jun	08	(Sat)	04:58	05:49	66	12:14	80N	18:40	294	19:31
2024	Jun	09	(Sun)	04:58	05:49	66	12:15	80N	18:40	294	19:31
2024	Jun	10	(Mon)	04:58	05:49	66	12:15	80N	18:41	294	19:31
2024	Jun	11	(Tue)	04:59	05:49	66	12:15	80N	18:41	294	19:32
2024	Jun	12	(Wed)	04:59	05:49	66	12:15	80N	18:41	294	19:32
2024	Jun	13	(Thu)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2024	Jun	14	(Fri)	04:59	05:50	66	12:16	80N	18:42	294	19:32
2024	Jun	15	(Sat)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2024	Jun	16	(Sun)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2024	Jun	17	(Mon)	04:59	05:50	66	12:16	80N	18:42	294	19:33
2024	Jun	18	(Tue)	05:00	05:50	66	12:17	80N	18:43	294	19:34
2024	Jun	19	(Wed)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2024	Jun	20	(Thu)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2024	Jun	21	(Fri)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2024	Jun	22	(Sat)	05:00	05:51	66	12:17	80N	18:43	294	19:34
2024	Jun	23	(Sun)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2024	Jun	24	(Mon)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2024	Jun	25	(Tue)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2024	Jun	26	(Wed)	05:01	05:52	66	12:18	80N	18:44	294	19:35
2024	Jun	27	(Thu)	05:02	05:53	66	12:18	80N	18:44	294	19:35
2024	Jun	28	(Fri)	05:02	05:53	66	12:19	80N	18:45	294	19:35
2024	Jun	29	(Sat)	05:02	05:53	66	12:19	80N	18:45	294	19:35
2024	Jun	30	(Sun)	05:02	05:53	66	12:19	80N	18:45	294	19:36
2024	Jul	01	(Mon)	05:03	05:54	66	12:19	80N	18:45	294	19:36
2024	Jul	02	(Tue)	05:03	05:54	66	12:19	80N	18:45	294	19:36
2024	Jul	03	(Wed)	05:03	05:54	66	12:20	80N	18:45	294	19:36
2024	Jul	04	(Thu)	05:04	05:54	66	12:20	81N	18:45	294	19:36
2024	Jul	05	(Fri)	05:04	05:55	66	12:20	81N	18:45	294	19:36
2024	Jul	06	(Sat)	05:04	05:55	67	12:20	81N	18:45	293	19:36
2024	Jul	07	(Sun)	05:05	05:55	67	12:20	81N	18:45	293	19:36

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

2024 Sep 13 (Fri)	05:19	06:05	86	12:11	82S	18:18	274	19:04
2024 Sep 14 (Sat)	05:19	06:05	86	12:11	81S	18:17	273	19:03
2024 Sep 15 (Sun)	05:19	06:05	87	12:10	81S	18:16	273	19:02
2024 Sep 16 (Mon)	05:19	06:05	87	12:10	81S	18:16	273	19:01
2024 Sep 17 (Tue)	05:19	06:04	88	12:10	80S	18:15	272	19:01
2024 Sep 18 (Wed)	05:19	06:04	88	12:09	80S	18:14	272	19:00
2024 Sep 19 (Thu)	05:19	06:04	88	12:09	79S	18:13	271	18:59
2024 Sep 20 (Fri)	05:19	06:04	89	12:09	79S	18:13	271	18:58
2024 Sep 21 (Sat)	05:19	06:04	89	12:08	79S	18:12	271	18:58
2024 Sep 22 (Sun)	05:19	06:04	90	12:08	78S	18:11	270	18:57
2024 Sep 23 (Mon)	05:19	06:04	90	12:08	78S	18:11	270	18:56
2024 Sep 24 (Tue)	05:19	06:04	90	12:07	77S	18:10	269	18:56
2024 Sep 25 (Wed)	05:19	06:04	91	12:07	77S	18:09	269	18:55
2024 Sep 26 (Thu)	05:19	06:04	91	12:07	77S	18:09	269	18:54
2024 Sep 27 (Fri)	05:19	06:04	92	12:06	76S	18:08	268	18:54
2024 Sep 28 (Sat)	05:19	06:04	92	12:06	76S	18:07	268	18:53
2024 Sep 29 (Sun)	05:19	06:04	92	12:06	75S	18:06	267	18:52
2024 Sep 30 (Mon)	05:19	06:05	93	12:05	75S	18:06	267	18:52
2024 Oct 01 (Tue)	05:19	06:05	93	12:05	75S	18:05	267	18:51
2024 Oct 02 (Wed)	05:19	06:05	94	12:05	74S	18:04	266	18:50
2024 Oct 03 (Thu)	05:19	06:05	94	12:04	74S	18:04	266	18:50
2024 Oct 04 (Fri)	05:19	06:05	94	12:04	74S	18:03	265	18:49
2024 Oct 05 (Sat)	05:19	06:05	95	12:04	73S	18:02	265	18:48
2024 Oct 06 (Sun)	05:19	06:05	95	12:03	73S	18:02	265	18:48
2024 Oct 07 (Mon)	05:19	06:05	96	12:03	72S	18:01	264	18:47
2024 Oct 08 (Tue)	05:19	06:05	96	12:03	72S	18:01	264	18:47
2024 Oct 09 (Wed)	05:19	06:05	96	12:03	72S	18:00	263	18:46
2024 Oct 10 (Thu)	05:19	06:05	97	12:02	71S	17:59	263	18:45
2024 Oct 11 (Fri)	05:19	06:05	97	12:02	71S	17:59	263	18:45
2024 Oct 12 (Sat)	05:19	06:05	97	12:02	70S	17:58	262	18:44
2024 Oct 13 (Sun)	05:19	06:05	98	12:02	70S	17:58	262	18:44
2024 Oct 14 (Mon)	05:19	06:05	98	12:01	70S	17:57	262	18:43
2024 Oct 15 (Tue)	05:19	06:05	99	12:01	69S	17:56	261	18:43
2024 Oct 16 (Wed)	05:19	06:06	99	12:01	69S	17:56	261	18:42
2024 Oct 17 (Thu)	05:19	06:06	99	12:01	69S	17:55	260	18:42
2024 Oct 18 (Fri)	05:20	06:06	100	12:00	68S	17:55	260	18:41
2024 Oct 19 (Sat)	05:20	06:06	100	12:00	68S	17:54	260	18:41
2024 Oct 20 (Sun)	05:20	06:06	100	12:00	68S	17:54	259	18:40
2024 Oct 21 (Mon)	05:20	06:06	101	12:00	67S	17:53	259	18:40
2024 Oct 22 (Tue)	05:20	06:06	101	12:00	67S	17:53	259	18:39
2024 Oct 23 (Wed)	05:20	06:07	102	12:00	66S	17:52	258	18:39
2024 Oct 24 (Thu)	05:20	06:07	102	11:59	66S	17:52	258	18:39
2024 Oct 25 (Fri)	05:20	06:07	102	11:59	66S	17:52	258	18:38
2024 Oct 26 (Sat)	05:20	06:07	103	11:59	65S	17:51	257	18:38
2024 Oct 27 (Sun)	05:21	06:07	103	11:59	65S	17:51	257	18:38
2024 Oct 28 (Mon)	05:21	06:08	103	11:59	65S	17:50	256	18:37
2024 Oct 29 (Tue)	05:21	06:08	104	11:59	64S	17:50	256	18:37
2024 Oct 30 (Wed)	05:21	06:08	104	11:59	64S	17:50	256	18:37
2024 Oct 31 (Thu)	05:21	06:08	104	11:59	64S	17:49	255	18:36
2024 Nov 01 (Fri)	05:22	06:09	105	11:59	63S	17:49	255	18:36
2024 Nov 02 (Sat)	05:22	06:09	105	11:59	63S	17:49	255	18:36
2024 Nov 03 (Sun)	05:22	06:09	105	11:59	63S	17:48	255	18:36
2024 Nov 04 (Mon)	05:22	06:10	106	11:59	63S	17:48	254	18:35
2024 Nov 05 (Tue)	05:23	06:10	106	11:59	62S	17:48	254	18:35
2024 Nov 06 (Wed)	05:23	06:10	106	11:59	62S	17:48	254	18:35
2024 Nov 07 (Thu)	05:23	06:11	107	11:59	62S	17:47	253	18:35
2024 Nov 08 (Fri)	05:23	06:11	107	11:59	61S	17:47	253	18:35
2024 Nov 09 (Sat)	05:24	06:11	107	11:59	61S	17:47	253	18:35
2024 Nov 10 (Sun)	05:24	06:12	107	11:59	61S	17:47	252	18:35
2024 Nov 11 (Mon)	05:24	06:12	108	11:59	61S	17:47	252	18:34
2024 Nov 12 (Tue)	05:25	06:12	108	11:59	60S	17:47	252	18:34
2024 Nov 13 (Wed)	05:25	06:13	108	12:00	60S	17:46	252	18:34
2024 Nov 14 (Thu)	05:25	06:13	109	12:00	60S	17:46	251	18:34
2024 Nov 15 (Fri)	05:26	06:14	109	12:00	59S	17:46	251	18:34
2024 Nov 16 (Sat)	05:26	06:14	109	12:00	59S	17:46	251	18:34
2024 Nov 17 (Sun)	05:26	06:14	109	12:00	59S	17:46	251	18:34
2024 Nov 18 (Mon)	05:27	06:15	110	12:01	59S	17:46	250	18:34

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

Sun

Rayong

Location: E101°10'12.0", N12°38'41.9", 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)	06:14		06:37	113			12:19	55S	18:00	247		18:23	
2024	Jan	02	(Tue)	06:14		06:37	113			12:19	55S	18:01	247		18:24	
2024	Jan	03	(Wed)	06:14		06:37	113			12:19	55S	18:02	247		18:25	
2024	Jan	04	(Thu)	06:15		06:38	113			12:20	55S	18:02	247		18:25	
2024	Jan	05	(Fri)	06:15		06:38	113			12:20	55S	18:03	247		18:26	
2024	Jan	06	(Sat)	06:15		06:38	113			12:21	56S	18:03	247		18:26	
2024	Jan	07	(Sun)	06:16		06:39	113			12:21	56S	18:04	247		18:27	
2024	Jan	08	(Mon)	06:16		06:39	113			12:22	56S	18:04	247		18:27	
2024	Jan	09	(Tue)	06:16		06:39	113			12:22	56S	18:05	247		18:28	
2024	Jan	10	(Wed)	06:17		06:40	112			12:23	56S	18:06	248		18:28	
2024	Jan	11	(Thu)	06:17		06:40	112			12:23	56S	18:06	248		18:29	

2024	Jan	12	(Fri)	06:17	06:40	112	12:23	56S	18:07	248	18:29
2024	Jan	13	(Sat)	06:18	06:40	112	12:24	57S	18:07	248	18:30
2024	Jan	14	(Sun)	06:18	06:41	112	12:24	57S	18:08	248	18:30
2024	Jan	15	(Mon)	06:18	06:41	112	12:24	57S	18:08	248	18:31
2024	Jan	16	(Tue)	06:18	06:41	111	12:25	57S	18:09	249	18:31
2024	Jan	17	(Wed)	06:18	06:41	111	12:25	57S	18:09	249	18:32
2024	Jan	18	(Thu)	06:19	06:41	111	12:25	57S	18:10	249	18:32
2024	Jan	19	(Fri)	06:19	06:41	111	12:26	58S	18:10	249	18:33
2024	Jan	20	(Sat)	06:19	06:41	111	12:26	58S	18:11	249	18:33
2024	Jan	21	(Sun)	06:19	06:41	110	12:26	58S	18:11	250	18:34
2024	Jan	22	(Mon)	06:19	06:42	110	12:27	58S	18:12	250	18:34
2024	Jan	23	(Tue)	06:19	06:42	110	12:27	59S	18:12	250	18:35
2024	Jan	24	(Wed)	06:19	06:42	110	12:27	59S	18:13	250	18:35
2024	Jan	25	(Thu)	06:19	06:42	109	12:27	59S	18:13	251	18:36
2024	Jan	26	(Fri)	06:19	06:42	109	12:28	59S	18:14	251	18:36
2024	Jan	27	(Sat)	06:19	06:42	109	12:28	59S	18:14	251	18:37
2024	Jan	28	(Sun)	06:19	06:42	109	12:28	60S	18:15	251	18:37
2024	Jan	29	(Mon)	06:19	06:41	108	12:28	60S	18:15	252	18:37
2024	Jan	30	(Tue)	06:19	06:41	108	12:28	60S	18:16	252	18:38
2024	Jan	31	(Wed)	06:19	06:41	108	12:29	61S	18:16	252	18:38
2024	Feb	01	(Thu)	06:19	06:41	108	12:29	61S	18:16	253	18:39
2024	Feb	02	(Fri)	06:19	06:41	107	12:29	61S	18:17	253	18:39
2024	Feb	03	(Sat)	06:19	06:41	107	12:29	61S	18:17	253	18:39
2024	Feb	04	(Sun)	06:19	06:41	107	12:29	62S	18:18	253	18:40
2024	Feb	05	(Mon)	06:19	06:41	106	12:29	62S	18:18	254	18:40
2024	Feb	06	(Tue)	06:18	06:40	106	12:29	62S	18:18	254	18:40
2024	Feb	07	(Wed)	06:18	06:40	106	12:29	63S	18:19	254	18:41
2024	Feb	08	(Thu)	06:18	06:40	105	12:29	63S	18:19	255	18:41
2024	Feb	09	(Fri)	06:18	06:40	105	12:29	63S	18:19	255	18:41
2024	Feb	10	(Sat)	06:18	06:39	105	12:30	64S	18:20	255	18:42
2024	Feb	11	(Sun)	06:17	06:39	104	12:30	64S	18:20	256	18:42
2024	Feb	12	(Mon)	06:17	06:39	104	12:30	64S	18:20	256	18:42
2024	Feb	13	(Tue)	06:17	06:38	104	12:30	65S	18:21	256	18:42
2024	Feb	14	(Wed)	06:16	06:38	103	12:29	65S	18:21	257	18:43
2024	Feb	15	(Thu)	06:16	06:38	103	12:29	65S	18:21	257	18:43
2024	Feb	16	(Fri)	06:16	06:37	103	12:29	66S	18:22	257	18:43
2024	Feb	17	(Sat)	06:15	06:37	102	12:29	66S	18:22	258	18:43
2024	Feb	18	(Sun)	06:15	06:37	102	12:29	66S	18:22	258	18:44
2024	Feb	19	(Mon)	06:15	06:36	102	12:29	67S	18:22	259	18:44
2024	Feb	20	(Tue)	06:14	06:36	101	12:29	67S	18:23	259	18:44
2024	Feb	21	(Wed)	06:14	06:35	101	12:29	67S	18:23	259	18:44
2024	Feb	22	(Thu)	06:13	06:35	101	12:29	68S	18:23	260	18:44
2024	Feb	23	(Fri)	06:13	06:34	100	12:29	68S	18:23	260	18:45
2024	Feb	24	(Sat)	06:13	06:34	100	12:29	68S	18:23	260	18:45
2024	Feb	25	(Sun)	06:12	06:34	99	12:28	69S	18:24	261	18:45
2024	Feb	26	(Mon)	06:12	06:33	99	12:28	69S	18:24	261	18:45
2024	Feb	27	(Tue)	06:11	06:33	99	12:28	70S	18:24	262	18:45
2024	Feb	28	(Wed)	06:11	06:32	98	12:28	70S	18:24	262	18:45
2024	Feb	29	(Thu)	06:10	06:31	98	12:28	70S	18:24	262	18:46
2024	Mar	01	(Fri)	06:10	06:31	97	12:28	71S	18:24	263	18:46
2024	Mar	02	(Sat)	06:09	06:30	97	12:27	71S	18:25	263	18:46
2024	Mar	03	(Sun)	06:09	06:30	97	12:27	71S	18:25	263	18:46
2024	Mar	04	(Mon)	06:08	06:29	96	12:27	72S	18:25	264	18:46
2024	Mar	05	(Tue)	06:07	06:29	96	12:27	72S	18:25	264	18:46
2024	Mar	06	(Wed)	06:07	06:28	96	12:27	73S	18:25	265	18:46
2024	Mar	07	(Thu)	06:06	06:28	95	12:26	73S	18:25	265	18:46
2024	Mar	08	(Fri)	06:06	06:27	95	12:26	73S	18:25	265	18:46
2024	Mar	09	(Sat)	06:05	06:26	94	12:26	74S	18:25	266	18:47
2024	Mar	10	(Sun)	06:05	06:26	94	12:26	74S	18:25	266	18:47
2024	Mar	11	(Mon)	06:04	06:25	94	12:25	75S	18:26	267	18:47
2024	Mar	12	(Tue)	06:03	06:25	93	12:25	75S	18:26	267	18:47
2024	Mar	13	(Wed)	06:03	06:24	93	12:25	75S	18:26	267	18:47
2024	Mar	14	(Thu)	06:02	06:23	92	12:24	76S	18:26	268	18:47
2024	Mar	15	(Fri)	06:01	06:23	92	12:24	76S	18:26	268	18:47
2024	Mar	16	(Sat)	06:01	06:22	91	12:24	77S	18:26	269	18:47
2024	Mar	17	(Sun)	06:00	06:21	91	12:24	77S	18:26	269	18:47
2024	Mar	18	(Mon)	06:00	06:21	91	12:23	77S	18:26	270	18:47

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

2024	May	25	(Sat)	05:26	05:49	68	12:12	82N	18:36	292	18:59
2024	May	26	(Sun)	05:26	05:49	68	12:12	82N	18:36	292	18:59
2024	May	27	(Mon)	05:26	05:49	68	12:13	82N	18:36	292	18:59
2024	May	28	(Tue)	05:26	05:49	68	12:13	82N	18:37	292	19:00
2024	May	29	(Wed)	05:26	05:49	68	12:13	82N	18:37	293	19:00
2024	May	30	(Thu)	05:26	05:49	67	12:13	82N	18:37	293	19:00
2024	May	31	(Fri)	05:25	05:49	67	12:13	81N	18:38	293	19:01
2024	Jun	01	(Sat)	05:25	05:49	67	12:13	81N	18:38	293	19:01
2024	Jun	02	(Sun)	05:25	05:49	67	12:13	81N	18:38	293	19:01
2024	Jun	03	(Mon)	05:25	05:49	67	12:14	81N	18:38	293	19:02
2024	Jun	04	(Tue)	05:25	05:49	67	12:14	81N	18:39	293	19:02
2024	Jun	05	(Wed)	05:26	05:49	67	12:14	81N	18:39	293	19:02
2024	Jun	06	(Thu)	05:26	05:49	67	12:14	81N	18:39	294	19:03
2024	Jun	07	(Fri)	05:26	05:49	66	12:14	81N	18:40	294	19:03
2024	Jun	08	(Sat)	05:26	05:49	66	12:14	80N	18:40	294	19:03
2024	Jun	09	(Sun)	05:26	05:49	66	12:15	80N	18:40	294	19:04
2024	Jun	10	(Mon)	05:26	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	11	(Tue)	05:26	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	12	(Wed)	05:26	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	13	(Thu)	05:26	05:50	66	12:15	80N	18:41	294	19:05
2024	Jun	14	(Fri)	05:26	05:50	66	12:16	80N	18:42	294	19:05
2024	Jun	15	(Sat)	05:27	05:50	66	12:16	80N	18:42	294	19:05
2024	Jun	16	(Sun)	05:27	05:50	66	12:16	80N	18:42	294	19:05
2024	Jun	17	(Mon)	05:27	05:50	66	12:16	80N	18:42	294	19:06
2024	Jun	18	(Tue)	05:27	05:50	66	12:17	80N	18:43	294	19:06
2024	Jun	19	(Wed)	05:27	05:51	66	12:17	80N	18:43	294	19:06
2024	Jun	20	(Thu)	05:27	05:51	66	12:17	80N	18:43	294	19:06
2024	Jun	21	(Fri)	05:28	05:51	66	12:17	80N	18:43	294	19:07
2024	Jun	22	(Sat)	05:28	05:51	66	12:17	80N	18:43	294	19:07
2024	Jun	23	(Sun)	05:28	05:52	66	12:18	80N	18:44	294	19:07
2024	Jun	24	(Mon)	05:28	05:52	66	12:18	80N	18:44	294	19:07
2024	Jun	25	(Tue)	05:29	05:52	66	12:18	80N	18:44	294	19:07
2024	Jun	26	(Wed)	05:29	05:52	66	12:18	80N	18:44	294	19:08
2024	Jun	27	(Thu)	05:29	05:53	66	12:18	80N	18:44	294	19:08
2024	Jun	28	(Fri)	05:29	05:53	66	12:19	80N	18:45	294	19:08
2024	Jun	29	(Sat)	05:30	05:53	66	12:19	80N	18:45	294	19:08
2024	Jun	30	(Sun)	05:30	05:53	66	12:19	80N	18:45	294	19:08
2024	Jul	01	(Mon)	05:30	05:54	66	12:19	80N	18:45	294	19:08
2024	Jul	02	(Tue)	05:31	05:54	66	12:19	80N	18:45	294	19:08
2024	Jul	03	(Wed)	05:31	05:54	66	12:20	80N	18:45	294	19:08
2024	Jul	04	(Thu)	05:31	05:54	66	12:20	81N	18:45	294	19:08
2024	Jul	05	(Fri)	05:31	05:55	66	12:20	81N	18:45	294	19:09
2024	Jul	06	(Sat)	05:32	05:55	67	12:20	81N	18:45	293	19:09
2024	Jul	07	(Sun)	05:32	05:55	67	12:20	81N	18:45	293	19:09
2024	Jul	08	(Mon)	05:32	05:55	67	12:20	81N	18:45	293	19:09
2024	Jul	09	(Tue)	05:33	05:56	67	12:21	81N	18:45	293	19:09
2024	Jul	10	(Wed)	05:33	05:56	67	12:21	81N	18:45	293	19:09
2024	Jul	11	(Thu)	05:33	05:56	67	12:21	81N	18:45	293	19:09
2024	Jul	12	(Fri)	05:33	05:57	67	12:21	81N	18:45	293	19:08
2024	Jul	13	(Sat)	05:34	05:57	67	12:21	82N	18:45	292	19:08
2024	Jul	14	(Sun)	05:34	05:57	68	12:21	82N	18:45	292	19:08
2024	Jul	15	(Mon)	05:34	05:57	68	12:21	82N	18:45	292	19:08
2024	Jul	16	(Tue)	05:35	05:58	68	12:21	82N	18:45	292	19:08
2024	Jul	17	(Wed)	05:35	05:58	68	12:22	82N	18:45	292	19:08
2024	Jul	18	(Thu)	05:35	05:58	68	12:22	82N	18:45	292	19:08
2024	Jul	19	(Fri)	05:36	05:58	68	12:22	83N	18:45	291	19:08
2024	Jul	20	(Sat)	05:36	05:59	69	12:22	83N	18:45	291	19:07
2024	Jul	21	(Sun)	05:36	05:59	69	12:22	83N	18:44	291	19:07
2024	Jul	22	(Mon)	05:36	05:59	69	12:22	83N	18:44	291	19:07
2024	Jul	23	(Tue)	05:37	05:59	69	12:22	83N	18:44	291	19:07
2024	Jul	24	(Wed)	05:37	06:00	69	12:22	84N	18:44	290	19:07
2024	Jul	25	(Thu)	05:37	06:00	70	12:22	84N	18:44	290	19:06
2024	Jul	26	(Fri)	05:38	06:00	70	12:22	84N	18:43	290	19:06
2024	Jul	27	(Sat)	05:38	06:00	70	12:22	84N	18:43	290	19:06
2024	Jul	28	(Sun)	05:38	06:01	70	12:22	84N	18:43	289	19:06
2024	Jul	29	(Mon)	05:38	06:01	71	12:22	85N	18:43	289	19:05
2024	Jul	30	(Tue)	05:39	06:01	71	12:22	85N	18:42	289	19:05

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

2024	Oct	06	(Sun)	05:43	06:05	95	12:03	73S	18:02	265	18:23
2024	Oct	07	(Mon)	05:44	06:05	96	12:03	72S	18:01	264	18:22
2024	Oct	08	(Tue)	05:44	06:05	96	12:03	72S	18:01	264	18:22
2024	Oct	09	(Wed)	05:44	06:05	96	12:03	72S	18:00	263	18:21
2024	Oct	10	(Thu)	05:44	06:05	97	12:02	71S	17:59	263	18:21
2024	Oct	11	(Fri)	05:44	06:05	97	12:02	71S	17:59	263	18:20
2024	Oct	12	(Sat)	05:44	06:05	97	12:02	70S	17:58	262	18:20
2024	Oct	13	(Sun)	05:44	06:05	98	12:02	70S	17:58	262	18:19
2024	Oct	14	(Mon)	05:44	06:05	98	12:01	70S	17:57	262	18:18
2024	Oct	15	(Tue)	05:44	06:05	99	12:01	69S	17:56	261	18:18
2024	Oct	16	(Wed)	05:44	06:06	99	12:01	69S	17:56	261	18:17
2024	Oct	17	(Thu)	05:44	06:06	99	12:01	69S	17:55	260	18:17
2024	Oct	18	(Fri)	05:44	06:06	100	12:00	68S	17:55	260	18:16
2024	Oct	19	(Sat)	05:44	06:06	100	12:00	68S	17:54	260	18:16
2024	Oct	20	(Sun)	05:45	06:06	100	12:00	68S	17:54	259	18:15
2024	Oct	21	(Mon)	05:45	06:06	101	12:00	67S	17:53	259	18:15
2024	Oct	22	(Tue)	05:45	06:06	101	12:00	67S	17:53	259	18:14
2024	Oct	23	(Wed)	05:45	06:07	102	12:00	66S	17:52	258	18:14
2024	Oct	24	(Thu)	05:45	06:07	102	11:59	66S	17:52	258	18:14
2024	Oct	25	(Fri)	05:45	06:07	102	11:59	66S	17:52	258	18:13
2024	Oct	26	(Sat)	05:46	06:07	103	11:59	65S	17:51	257	18:13
2024	Oct	27	(Sun)	05:46	06:07	103	11:59	65S	17:51	257	18:12
2024	Oct	28	(Mon)	05:46	06:08	103	11:59	65S	17:50	256	18:12
2024	Oct	29	(Tue)	05:46	06:08	104	11:59	64S	17:50	256	18:12
2024	Oct	30	(Wed)	05:46	06:08	104	11:59	64S	17:50	256	18:11
2024	Oct	31	(Thu)	05:47	06:08	104	11:59	64S	17:49	255	18:11
2024	Nov	01	(Fri)	05:47	06:09	105	11:59	63S	17:49	255	18:11
2024	Nov	02	(Sat)	05:47	06:09	105	11:59	63S	17:49	255	18:11
2024	Nov	03	(Sun)	05:47	06:09	105	11:59	63S	17:48	255	18:10
2024	Nov	04	(Mon)	05:48	06:10	106	11:59	63S	17:48	254	18:10
2024	Nov	05	(Tue)	05:48	06:10	106	11:59	62S	17:48	254	18:10
2024	Nov	06	(Wed)	05:48	06:10	106	11:59	62S	17:48	254	18:10
2024	Nov	07	(Thu)	05:48	06:11	107	11:59	62S	17:47	253	18:09
2024	Nov	08	(Fri)	05:49	06:11	107	11:59	61S	17:47	253	18:09
2024	Nov	09	(Sat)	05:49	06:11	107	11:59	61S	17:47	253	18:09
2024	Nov	10	(Sun)	05:49	06:12	107	11:59	61S	17:47	252	18:09
2024	Nov	11	(Mon)	05:50	06:12	108	11:59	61S	17:47	252	18:09
2024	Nov	12	(Tue)	05:50	06:12	108	11:59	60S	17:47	252	18:09
2024	Nov	13	(Wed)	05:51	06:13	108	12:00	60S	17:46	252	18:09
2024	Nov	14	(Thu)	05:51	06:13	109	12:00	60S	17:46	251	18:09
2024	Nov	15	(Fri)	05:51	06:14	109	12:00	59S	17:46	251	18:09
2024	Nov	16	(Sat)	05:52	06:14	109	12:00	59S	17:46	251	18:08
2024	Nov	17	(Sun)	05:52	06:14	109	12:00	59S	17:46	251	18:08
2024	Nov	18	(Mon)	05:52	06:15	110	12:01	59S	17:46	250	18:08
2024	Nov	19	(Tue)	05:53	06:15	110	12:01	58S	17:46	250	18:09
2024	Nov	20	(Wed)	05:53	06:16	110	12:01	58S	17:46	250	18:09
2024	Nov	21	(Thu)	05:54	06:16	110	12:01	58S	17:46	250	18:09
2024	Nov	22	(Fri)	05:54	06:17	111	12:01	58S	17:46	249	18:09
2024	Nov	23	(Sat)	05:55	06:17	111	12:02	58S	17:46	249	18:09
2024	Nov	24	(Sun)	05:55	06:18	111	12:02	57S	17:46	249	18:09
2024	Nov	25	(Mon)	05:56	06:18	111	12:02	57S	17:46	249	18:09
2024	Nov	26	(Tue)	05:56	06:19	111	12:03	57S	17:47	249	18:09
2024	Nov	27	(Wed)	05:56	06:19	112	12:03	57S	17:47	248	18:09
2024	Nov	28	(Thu)	05:57	06:20	112	12:03	57S	17:47	248	18:10
2024	Nov	29	(Fri)	05:57	06:20	112	12:04	57S	17:47	248	18:10
2024	Nov	30	(Sat)	05:58	06:21	112	12:04	56S	17:47	248	18:10
2024	Dec	01	(Sun)	05:58	06:21	112	12:04	56S	17:47	248	18:10
2024	Dec	02	(Mon)	05:59	06:22	112	12:05	56S	17:48	248	18:11
2024	Dec	03	(Tue)	06:00	06:22	113	12:05	56S	17:48	247	18:11
2024	Dec	04	(Wed)	06:00	06:23	113	12:06	56S	17:48	247	18:11
2024	Dec	05	(Thu)	06:01	06:23	113	12:06	56S	17:49	247	18:11
2024	Dec	06	(Fri)	06:01	06:24	113	12:06	56S	17:49	247	18:12
2024	Dec	07	(Sat)	06:02	06:25	113	12:07	55S	17:49	247	18:12
2024	Dec	08	(Sun)	06:02	06:25	113	12:07	55S	17:49	247	18:12
2024	Dec	09	(Mon)	06:03	06:26	113	12:08	55S	17:50	247	18:13
2024	Dec	10	(Tue)	06:03	06:26	113	12:08	55S	17:50	247	18:13
2024	Dec	11	(Wed)	06:04	06:27	113	12:09	55S	17:51	247	18:14

2024	Dec	12	(Thu)	06:04	06:27	113	12:09	55S	17:51	246	18:14
2024	Dec	13	(Fri)	06:05	06:28	114	12:10	55S	17:51	246	18:14
2024	Dec	14	(Sat)	06:05	06:28	114	12:10	55S	17:52	246	18:15
2024	Dec	15	(Sun)	06:06	06:29	114	12:11	55S	17:52	246	18:15
2024	Dec	16	(Mon)	06:06	06:29	114	12:11	55S	17:53	246	18:16
2024	Dec	17	(Tue)	06:07	06:30	114	12:12	55S	17:53	246	18:16
2024	Dec	18	(Wed)	06:07	06:30	114	12:12	55S	17:54	246	18:17
2024	Dec	19	(Thu)	06:08	06:31	114	12:12	55S	17:54	246	18:17
2024	Dec	20	(Fri)	06:08	06:31	114	12:13	55S	17:55	246	18:18
2024	Dec	21	(Sat)	06:09	06:32	114	12:13	55S	17:55	246	18:18
2024	Dec	22	(Sun)	06:09	06:32	114	12:14	55S	17:56	246	18:19
2024	Dec	23	(Mon)	06:10	06:33	114	12:14	55S	17:56	246	18:19
2024	Dec	24	(Tue)	06:10	06:33	114	12:15	55S	17:57	246	18:20
2024	Dec	25	(Wed)	06:11	06:34	114	12:15	55S	17:57	246	18:20
2024	Dec	26	(Thu)	06:11	06:34	114	12:16	55S	17:58	246	18:21
2024	Dec	27	(Fri)	06:12	06:35	114	12:16	55S	17:58	246	18:21
2024	Dec	28	(Sat)	06:12	06:35	114	12:17	55S	17:59	246	18:22
2024	Dec	29	(Sun)	06:13	06:36	114	12:17	55S	17:59	246	18:22
2024	Dec	30	(Mon)	06:13	06:36	114	12:18	55S	18:00	246	18:23
2024	Dec	31	(Tue)	06:14	06:36	113	12:18	55S	18:00	247	18:23

Moon

Rayong

Location: E101°10'12.0", N12°38'41.9", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date			Rise			Az.			Transit Alt.			Set			Az.		
(Zone)																	
			h	m	°				h	m	°				h	m	°
2024	Jan	01	(Mon)	22:29	81				04:06	90N		10:27	282				
2024	Jan	02	(Tue)	23:13	86				04:47	86S		11:02	277				
2024	Jan	03	(Wed)	23:58	92				05:26	80S		11:36	271				
2024	Jan	04	(Thu)						06:05	74S		12:10	265				
2024	Jan	05	(Fri)	00:43	98				06:45	68S		12:45	259				
2024	Jan	06	(Sat)	01:30	104				07:28	63S		13:24	254				
2024	Jan	07	(Sun)	02:21	109				08:15	58S		14:07	249				
2024	Jan	08	(Mon)	03:17	114				09:07	53S		14:55	244				
2024	Jan	09	(Tue)	04:16	117				10:04	51S		15:50	242				
2024	Jan	10	(Wed)	05:19	119				11:05	49S		16:52	241				
2024	Jan	11	(Thu)	06:22	119				12:09	50S		17:57	242				
2024	Jan	12	(Fri)	07:23	116				13:12	53S		19:03	246				
2024	Jan	13	(Sat)	08:18	112				14:12	58S		20:07	251				
2024	Jan	14	(Sun)	09:09	106				15:07	64S		21:08	257				
2024	Jan	15	(Mon)	09:55	99				15:58	71S		22:05	264				
2024	Jan	16	(Tue)	10:38	92				16:47	78S		23:00	272				
2024	Jan	17	(Wed)	11:19	85				17:35	85S		23:54	279				
2024	Jan	18	(Thu)	12:01	78				18:23	90N							
2024	Jan	19	(Fri)	12:44	72				19:12	85N		00:48	285				
2024	Jan	20	(Sat)	13:30	67				20:04	80N		01:44	290				
2024	Jan	21	(Sun)	14:19	64				20:58	77N		02:41	295				
2024	Jan	22	(Mon)	15:11	62				21:53	75N		03:38	298				
2024	Jan	23	(Tue)	16:06	61				22:48	75N		04:35	299				
2024	Jan	24	(Wed)	17:02	62				23:41	77N		05:29	298				
2024	Jan	25	(Thu)	17:56	65							06:20	297				
2024	Jan	26	(Fri)	18:48	69				00:32	80N		07:06	293				
2024	Jan	27	(Sat)	19:37	73				01:19	84N		07:48	289				
2024	Jan	28	(Sun)	20:24	79				02:03	88N		08:26	284				
2024	Jan	29	(Mon)	21:09	84				02:44	88S		09:01	279				
2024	Jan	30	(Tue)	21:53	90				03:23	82S		09:35	273				
2024	Jan	31	(Wed)	22:37	96				04:02	76S		10:08	267				
2024	Feb	01	(Thu)	23:23	102				04:41	70S		10:43	261				
2024	Feb	02	(Fri)						05:22	65S		11:19	255				
2024	Feb	03	(Sat)	00:11	107				06:06	60S		11:59	250				
2024	Feb	04	(Sun)	01:03	112				06:54	55S		12:43	246				

2024 Feb 05 (Mon)	01:59 116	07:47 52S	13:34 243
2024 Feb 06 (Tue)	02:59 118	08:45 49S	14:31 241
2024 Feb 07 (Wed)	04:01 119	09:47 49S	15:34 241
2024 Feb 08 (Thu)	05:03 118	10:51 51S	16:40 244
2024 Feb 09 (Fri)	06:01 114	11:52 55S	17:46 248
2024 Feb 10 (Sat)	06:55 109	12:51 61S	18:49 254
2024 Feb 11 (Sun)	07:44 102	13:46 67S	19:50 261
2024 Feb 12 (Mon)	08:30 95	14:38 75S	20:48 269
2024 Feb 13 (Tue)	09:14 88	15:28 82S	21:45 276
2024 Feb 14 (Wed)	09:57 80	16:17 89S	22:41 283
2024 Feb 15 (Thu)	10:41 74	17:08 86N	23:38 289
2024 Feb 16 (Fri)	11:27 69	18:00 81N	
2024 Feb 17 (Sat)	12:16 64	18:53 77N	00:35 294
2024 Feb 18 (Sun)	13:07 62	19:49 75N	01:33 297
2024 Feb 19 (Mon)	14:02 61	20:44 75N	02:31 299
2024 Feb 20 (Tue)	14:57 62	21:37 76N	03:26 299
2024 Feb 21 (Wed)	15:51 64	22:28 78N	04:17 297
2024 Feb 22 (Thu)	16:43 67	23:16 82N	05:04 295
2024 Feb 23 (Fri)	17:33 72		05:46 291
2024 Feb 24 (Sat)	18:20 77	00:01 87N	06:25 286
2024 Feb 25 (Sun)	19:06 82	00:42 90S	07:01 280
2024 Feb 26 (Mon)	19:50 88	01:22 84S	07:36 275
2024 Feb 27 (Tue)	20:34 94	02:01 78S	08:09 269
2024 Feb 28 (Wed)	21:19 100	02:40 72S	08:43 263
2024 Feb 29 (Thu)	22:06 106	03:20 67S	09:18 257
2024 Mar 01 (Fri)	22:56 111	04:02 61S	09:56 252
2024 Mar 02 (Sat)	23:49 115	04:48 56S	10:38 247
2024 Mar 03 (Sun)		05:38 53S	11:25 244
2024 Mar 04 (Mon)	00:46 118	06:32 50S	12:18 241
2024 Mar 05 (Tue)	01:45 119	07:31 49S	13:16 241
2024 Mar 06 (Wed)	02:45 119	08:31 50S	14:19 242
2024 Mar 07 (Thu)	03:44 116	09:32 53S	15:23 245
2024 Mar 08 (Fri)	04:39 112	10:32 57S	16:27 251
2024 Mar 09 (Sat)	05:30 106	11:28 64S	17:29 257
2024 Mar 10 (Sun)	06:17 99	12:21 71S	18:29 265
2024 Mar 11 (Mon)	07:02 91	13:13 78S	19:27 272
2024 Mar 12 (Tue)	07:47 84	14:04 86S	20:26 280
2024 Mar 13 (Wed)	08:32 77	14:56 89N	21:24 287
2024 Mar 14 (Thu)	09:18 71	15:50 83N	22:24 292
2024 Mar 15 (Fri)	10:08 66	16:45 78N	23:24 296
2024 Mar 16 (Sat)	11:01 62	17:41 76N	
2024 Mar 17 (Sun)	11:55 61	18:38 75N	00:23 299
2024 Mar 18 (Mon)	12:51 61	19:33 75N	01:20 299
2024 Mar 19 (Tue)	13:46 63	20:25 77N	02:14 298
2024 Mar 20 (Wed)	14:39 66	21:14 81N	03:02 296
2024 Mar 21 (Thu)	15:30 70	21:59 85N	03:46 292
2024 Mar 22 (Fri)	16:18 75	22:41 90N	04:26 287
2024 Mar 23 (Sat)	17:03 80	23:22 86S	05:02 282
2024 Mar 24 (Sun)	17:48 86		05:37 277
2024 Mar 25 (Mon)	18:32 92	00:01 80S	06:11 271
2024 Mar 26 (Tue)	19:17 98	00:40 74S	06:44 265
2024 Mar 27 (Wed)	20:04 104	01:19 68S	07:19 259
2024 Mar 28 (Thu)	20:52 109	02:01 63S	07:56 253
2024 Mar 29 (Fri)	21:44 114	02:46 58S	08:37 249
2024 Mar 30 (Sat)	22:40 117	03:34 54S	09:21 245
2024 Mar 31 (Sun)	23:37 119	04:26 51S	10:11 242
2024 Apr 01 (Mon)		05:22 49S	11:07 241
2024 Apr 02 (Tue)	00:35 119	06:20 49S	12:06 241
2024 Apr 03 (Wed)	01:33 118	07:20 51S	13:08 244
2024 Apr 04 (Thu)	02:27 114	08:17 55S	14:10 248
2024 Apr 05 (Fri)	03:18 109	09:13 60S	15:10 254
2024 Apr 06 (Sat)	04:05 103	10:06 67S	16:10 261
2024 Apr 07 (Sun)	04:50 96	10:57 74S	17:08 268
2024 Apr 08 (Mon)	05:34 88	11:48 82S	18:06 276
2024 Apr 09 (Tue)	06:19 80	12:40 89S	19:05 283
2024 Apr 10 (Wed)	07:06 74	13:34 86N	20:05 290
2024 Apr 11 (Thu)	07:55 68	14:30 80N	21:07 295

2024 Apr 12 (Fri)	08:48 64	15:28 77N	22:09 298
2024 Apr 13 (Sat)	09:44 61	16:26 75N	23:09 299
2024 Apr 14 (Sun)	10:41 61	17:24 75N	
2024 Apr 15 (Mon)	11:38 62	18:19 76N	00:06 299
2024 Apr 16 (Tue)	12:33 65	19:09 79N	00:57 297
2024 Apr 17 (Wed)	13:25 68	19:56 83N	01:43 293
2024 Apr 18 (Thu)	14:14 73	20:40 88N	02:25 289
2024 Apr 19 (Fri)	15:00 79	21:20 88S	03:03 284
2024 Apr 20 (Sat)	15:45 84	22:00 82S	03:38 279
2024 Apr 21 (Sun)	16:29 90	22:39 76S	04:12 273
2024 Apr 22 (Mon)	17:14 96	23:18 70S	04:45 267
2024 Apr 23 (Tue)	18:00 102	23:59 65S	05:20 261
2024 Apr 24 (Wed)	18:49 108		05:56 255
2024 Apr 25 (Thu)	19:40 112	00:43 59S	06:36 250
2024 Apr 26 (Fri)	20:35 116	01:31 55S	07:19 246
2024 Apr 27 (Sat)	21:32 119	02:22 51S	08:08 243
2024 Apr 28 (Sun)	22:30 119	03:17 49S	09:02 241
2024 Apr 29 (Mon)	23:27 118	04:15 49S	10:00 241
2024 Apr 30 (Tue)		05:13 50S	11:00 243
2024 May 01 (Wed)	00:22 116	06:10 54S	12:01 246
2024 May 02 (Thu)	01:12 111	07:05 58S	13:00 252
2024 May 03 (Fri)	01:59 105	07:57 64S	13:58 258
2024 May 04 (Sat)	02:43 99	08:47 71S	14:54 265
2024 May 05 (Sun)	03:26 91	09:36 78S	15:50 272
2024 May 06 (Mon)	04:09 84	10:26 86S	16:47 280
2024 May 07 (Tue)	04:54 77	11:18 89N	17:46 286
2024 May 08 (Wed)	05:41 71	12:13 83N	18:47 292
2024 May 09 (Thu)	06:33 66	13:10 78N	19:50 296
2024 May 10 (Fri)	07:28 62	14:10 76N	20:53 299
2024 May 11 (Sat)	08:26 61	15:09 75N	21:53 299
2024 May 12 (Sun)	09:25 61	16:07 76N	22:48 298
2024 May 13 (Mon)	10:22 63	17:01 78N	23:37 295
2024 May 14 (Tue)	11:17 67	17:50 82N	
2024 May 15 (Wed)	12:07 71	18:35 86N	00:21 291
2024 May 16 (Thu)	12:55 77	19:17 90S	01:01 286
2024 May 17 (Fri)	13:41 82	19:57 84S	01:37 281
2024 May 18 (Sat)	14:25 88	20:36 78S	02:11 275
2024 May 19 (Sun)	15:09 94	21:15 72S	02:45 269
2024 May 20 (Mon)	15:55 100	21:56 67S	03:19 263
2024 May 21 (Tue)	16:43 106	22:39 61S	03:54 257
2024 May 22 (Wed)	17:33 111	23:25 56S	04:33 252
2024 May 23 (Thu)	18:27 115		05:15 247
2024 May 24 (Fri)	19:25 118	00:16 53S	06:03 244
2024 May 25 (Sat)	20:24 119	01:11 50S	06:56 241
2024 May 26 (Sun)	21:22 119	02:09 49S	07:54 241
2024 May 27 (Mon)	22:18 116	03:08 50S	08:55 242
2024 May 28 (Tue)	23:10 112	04:06 53S	09:55 245
2024 May 29 (Wed)	23:57 107	05:01 57S	10:55 250
2024 May 30 (Thu)		05:53 62S	11:52 256
2024 May 31 (Fri)	00:41 101	06:43 69S	12:48 263
2024 Jun 01 (Sat)	01:23 94	07:31 76S	13:42 270
2024 Jun 02 (Sun)	02:05 87	08:19 83S	14:37 277
2024 Jun 03 (Mon)	02:47 80	09:09 90S	15:33 284
2024 Jun 04 (Tue)	03:32 73	10:00 85N	16:32 290
2024 Jun 05 (Wed)	04:21 68	10:55 80N	17:33 295
2024 Jun 06 (Thu)	05:14 64	11:54 77N	18:35 298
2024 Jun 07 (Fri)	06:11 61	12:53 75N	19:37 299
2024 Jun 08 (Sat)	07:10 61	13:53 75N	20:35 298
2024 Jun 09 (Sun)	08:09 62	14:49 77N	21:27 296
2024 Jun 10 (Mon)	09:05 65	15:41 80N	22:14 293
2024 Jun 11 (Tue)	09:58 70	16:29 85N	22:56 288
2024 Jun 12 (Wed)	10:48 75	17:12 90N	23:34 283
2024 Jun 13 (Thu)	11:35 80	17:53 86S	
2024 Jun 14 (Fri)	12:19 86	18:33 81S	00:09 277
2024 Jun 15 (Sat)	13:04 92	19:11 75S	00:43 271
2024 Jun 16 (Sun)	13:48 98	19:51 69S	01:16 265
2024 Jun 17 (Mon)	14:35 103	20:33 63S	01:51 259

2024 Jun 18 (Tue)	15:24 109	21:18 58S	02:28 254
2024 Jun 19 (Wed)	16:17 113	22:07 54S	03:09 249
2024 Jun 20 (Thu)	17:13 117	23:00 51S	03:55 245
2024 Jun 21 (Fri)	18:13 119	23:58 49S	04:46 242
2024 Jun 22 (Sat)	19:13 119		05:43 241
2024 Jun 23 (Sun)	20:11 117	00:58 49S	06:44 242
2024 Jun 24 (Mon)	21:05 114	01:58 52S	07:47 244
2024 Jun 25 (Tue)	21:55 109	02:56 55S	08:48 248
2024 Jun 26 (Wed)	22:40 103	03:50 61S	09:47 254
2024 Jun 27 (Thu)	23:23 96	04:41 67S	10:44 261
2024 Jun 28 (Fri)		05:29 74S	11:39 268
2024 Jun 29 (Sat)	00:04 89	06:17 81S	12:33 275
2024 Jun 30 (Sun)	00:46 82	07:05 88S	13:27 282
2024 Jul 01 (Mon)	01:29 75	07:55 87N	14:24 288
2024 Jul 02 (Tue)	02:15 69	08:47 82N	15:23 293
2024 Jul 03 (Wed)	03:05 65	09:43 78N	16:23 297
2024 Jul 04 (Thu)	04:00 62	10:41 75N	17:24 299
2024 Jul 05 (Fri)	04:57 61	11:40 75N	18:23 299
2024 Jul 06 (Sat)	05:56 62	12:38 76N	19:18 297
2024 Jul 07 (Sun)	06:54 64	13:31 79N	20:07 294
2024 Jul 08 (Mon)	07:48 68	14:21 83N	20:51 290
2024 Jul 09 (Tue)	08:40 73	15:06 88N	21:30 285
2024 Jul 10 (Wed)	09:28 78	15:49 88S	22:07 279
2024 Jul 11 (Thu)	10:13 84	16:29 83S	22:41 273
2024 Jul 12 (Fri)	10:58 90	17:07 77S	23:14 267
2024 Jul 13 (Sat)	11:42 96	17:46 71S	23:48 262
2024 Jul 14 (Sun)	12:27 101	18:27 65S	
2024 Jul 15 (Mon)	13:15 107	19:10 60S	00:24 256
2024 Jul 16 (Tue)	14:05 112	19:56 56S	01:03 251
2024 Jul 17 (Wed)	15:00 116	20:48 52S	01:46 246
2024 Jul 18 (Thu)	15:58 118	21:43 50S	02:34 243
2024 Jul 19 (Fri)	16:58 119	22:43 49S	03:29 241
2024 Jul 20 (Sat)	17:57 118	23:44 50S	04:29 241
2024 Jul 21 (Sun)	18:54 115		05:32 243
2024 Jul 22 (Mon)	19:47 111	00:44 54S	06:35 247
2024 Jul 23 (Tue)	20:36 105	01:41 59S	07:37 252
2024 Jul 24 (Wed)	21:20 98	02:34 65S	08:36 258
2024 Jul 25 (Thu)	22:03 91	03:25 72S	09:33 266
2024 Jul 26 (Fri)	22:45 84	04:14 79S	10:28 273
2024 Jul 27 (Sat)	23:28 77	05:02 86S	11:23 280
2024 Jul 28 (Sun)		05:52 89N	12:19 286
2024 Jul 29 (Mon)	00:13 71	06:44 83N	13:17 292
2024 Jul 30 (Tue)	01:01 66	07:38 79N	14:17 296
2024 Jul 31 (Wed)	01:54 63	08:35 76N	15:17 299
2024 Aug 01 (Thu)	02:50 61	09:33 75N	16:15 299
2024 Aug 02 (Fri)	03:48 61	10:30 75N	17:11 298
2024 Aug 03 (Sat)	04:45 63	11:24 78N	18:01 295
2024 Aug 04 (Sun)	05:40 66	12:15 81N	18:47 291
2024 Aug 05 (Mon)	06:33 71	13:02 86N	19:28 287
2024 Aug 06 (Tue)	07:22 76	13:45 90S	20:05 281
2024 Aug 07 (Wed)	08:08 82	14:25 85S	20:40 275
2024 Aug 08 (Thu)	08:53 88	15:05 79S	21:13 269
2024 Aug 09 (Fri)	09:37 93	15:43 73S	21:47 264
2024 Aug 10 (Sat)	10:22 99	16:23 67S	22:22 258
2024 Aug 11 (Sun)	11:08 105	17:04 62S	22:58 253
2024 Aug 12 (Mon)	11:56 110	17:48 57S	23:39 248
2024 Aug 13 (Tue)	12:48 114	18:37 53S	
2024 Aug 14 (Wed)	13:43 117	19:29 50S	00:24 244
2024 Aug 15 (Thu)	14:41 119	20:26 49S	01:15 242
2024 Aug 16 (Fri)	15:41 119	21:26 49S	02:11 241
2024 Aug 17 (Sat)	16:39 117	22:26 52S	03:12 242
2024 Aug 18 (Sun)	17:34 113	23:25 56S	04:16 244
2024 Aug 19 (Mon)	18:25 108		05:19 249
2024 Aug 20 (Tue)	19:12 101	00:21 62S	06:20 255
2024 Aug 21 (Wed)	19:57 94	01:14 69S	07:20 262
2024 Aug 22 (Thu)	20:40 86	02:05 76S	08:17 270
2024 Aug 23 (Fri)	21:24 79	02:56 84S	09:14 278

2024 Aug 24 (Sat)	22:10	72	03:46	91S	10:12	285
2024 Aug 25 (Sun)	22:58	67	04:39	85N	11:11	291
2024 Aug 26 (Mon)	23:50	63	05:33	80N	12:11	295
2024 Aug 27 (Tue)			06:30	76N	13:12	298
2024 Aug 28 (Wed)	00:45	61	07:28	75N	14:11	299
2024 Aug 29 (Thu)	01:42	61	08:25	75N	15:07	299
2024 Aug 30 (Fri)	02:40	62	09:20	77N	15:58	297
2024 Aug 31 (Sat)	03:35	65	10:11	80N	16:45	293
2024 Sep 01 (Sun)	04:28	69	10:59	84N	17:27	288
2024 Sep 02 (Mon)	05:18	74	11:43	89N	18:05	283
2024 Sep 03 (Tue)	06:05	80	12:24	87S	18:40	277
2024 Sep 04 (Wed)	06:50	85	13:03	81S	19:14	272
2024 Sep 05 (Thu)	07:34	91	13:42	75S	19:47	266
2024 Sep 06 (Fri)	08:18	97	14:21	69S	20:21	260
2024 Sep 07 (Sat)	09:03	103	15:01	64S	20:57	254
2024 Sep 08 (Sun)	09:51	108	15:44	59S	21:36	249
2024 Sep 09 (Mon)	10:40	113	16:30	54S	22:18	245
2024 Sep 10 (Tue)	11:33	116	17:20	51S	23:06	242
2024 Sep 11 (Wed)	12:29	119	18:14	49S	23:58	241
2024 Sep 12 (Thu)	13:27	119	19:11	49S		
2024 Sep 13 (Fri)	14:24	118	20:10	50S	00:56	241
2024 Sep 14 (Sat)	15:19	116	21:08	54S	01:57	243
2024 Sep 15 (Sun)	16:11	111	22:04	59S	02:59	246
2024 Sep 16 (Mon)	17:00	105	22:59	65S	04:00	252
2024 Sep 17 (Tue)	17:46	98	23:51	72S	05:01	259
2024 Sep 18 (Wed)	18:30	90			06:00	266
2024 Sep 19 (Thu)	19:15	82	00:42	80S	06:58	274
2024 Sep 20 (Fri)	20:01	75	01:34	87S	07:57	281
2024 Sep 21 (Sat)	20:50	69	02:28	87N	08:58	288
2024 Sep 22 (Sun)	21:42	64	03:23	81N	10:00	294
2024 Sep 23 (Mon)	22:38	62	04:21	77N	11:02	297
2024 Sep 24 (Tue)	23:36	61	05:21	75N	12:04	299
2024 Sep 25 (Wed)			06:19	74N	13:02	299
2024 Sep 26 (Thu)	00:34	61	07:16	76N	13:56	297
2024 Sep 27 (Fri)	01:31	64	08:08	79N	14:44	294
2024 Sep 28 (Sat)	02:24	68	08:57	83N	15:27	290
2024 Sep 29 (Sun)	03:15	72	09:42	87N	16:06	285
2024 Sep 30 (Mon)	04:02	78	10:23	89S	16:41	279
2024 Oct 01 (Tue)	04:48	84	11:03	83S	17:16	273
2024 Oct 02 (Wed)	05:32	89	11:42	77S	17:49	268
2024 Oct 03 (Thu)	06:16	95	12:21	71S	18:22	262
2024 Oct 04 (Fri)	07:01	101	13:00	65S	18:58	256
2024 Oct 05 (Sat)	07:47	107	13:42	60S	19:35	251
2024 Oct 06 (Sun)	08:36	111	14:27	56S	20:16	247
2024 Oct 07 (Mon)	09:28	115	15:16	52S	21:02	243
2024 Oct 08 (Tue)	10:22	118	16:07	50S	21:52	241
2024 Oct 09 (Wed)	11:18	119	17:02	49S	22:46	241
2024 Oct 10 (Thu)	12:14	119	17:59	49S	23:44	242
2024 Oct 11 (Fri)	13:08	117	18:55	52S		
2024 Oct 12 (Sat)	14:00	113	19:50	56S	00:44	245
2024 Oct 13 (Sun)	14:48	108	20:44	62S	01:44	249
2024 Oct 14 (Mon)	15:34	101	21:35	68S	02:42	255
2024 Oct 15 (Tue)	16:18	94	22:26	76S	03:40	262
2024 Oct 16 (Wed)	17:02	86	23:18	83S	04:38	270
2024 Oct 17 (Thu)	17:48	79			05:37	277
2024 Oct 18 (Fri)	18:36	72	00:11	91	06:37	285
2024 Oct 19 (Sat)	19:28	67	01:06	84N	07:40	291
2024 Oct 20 (Sun)	20:25	63	02:05	79N	08:45	296
2024 Oct 21 (Mon)	21:24	61	03:06	76N	09:49	299
2024 Oct 22 (Tue)	22:24	61	04:08	74N	10:52	299
2024 Oct 23 (Wed)	23:23	63	05:07	75N	11:49	298
2024 Oct 24 (Thu)			06:03	77N	12:40	295
2024 Oct 25 (Fri)	00:19	66	06:53	81N	13:25	291
2024 Oct 26 (Sat)	01:11	71	07:40	86N	14:06	287
2024 Oct 27 (Sun)	02:00	76	08:22	90S	14:42	281
2024 Oct 28 (Mon)	02:45	82	09:03	85S	15:17	275
2024 Oct 29 (Tue)	03:30	88	09:41	79S	15:50	269

2024	Oct	30	(Wed)	04:14	94	10:20	73S	16:24	264
2024	Oct	31	(Thu)	04:58	99	11:00	67S	16:58	258
2024	Nov	01	(Fri)	05:45	105	11:41	62S	17:35	253
2024	Nov	02	(Sat)	06:33	110	12:25	57S	18:15	248
2024	Nov	03	(Sun)	07:24	114	13:13	53S	19:00	244
2024	Nov	04	(Mon)	08:18	117	14:04	50S	19:49	242
2024	Nov	05	(Tue)	09:13	119	14:58	49S	20:42	241
2024	Nov	06	(Wed)	10:09	119	15:53	49S	21:38	241
2024	Nov	07	(Thu)	11:03	118	16:49	51S	22:36	244
2024	Nov	08	(Fri)	11:54	115	17:43	55S	23:34	247
2024	Nov	09	(Sat)	12:42	110	18:36	59S		
2024	Nov	10	(Sun)	13:27	104	19:26	65S	00:32	253
2024	Nov	11	(Mon)	14:10	97	20:15	72S	01:27	259
2024	Nov	12	(Tue)	14:52	90	21:04	80S	02:23	266
2024	Nov	13	(Wed)	15:36	83	21:54	87S	03:19	274
2024	Nov	14	(Thu)	16:21	76	22:48	88N	04:17	281
2024	Nov	15	(Fri)	17:11	69	23:45	82N	05:18	288
2024	Nov	16	(Sat)	18:06	65			06:21	293
2024	Nov	17	(Sun)	19:05	62	00:45	77N	07:27	297
2024	Nov	18	(Mon)	20:07	61	01:48	75N	08:33	299
2024	Nov	19	(Tue)	21:09	62	02:51	75N	09:34	299
2024	Nov	20	(Wed)	22:08	65	03:50	76N	10:30	297
2024	Nov	21	(Thu)	23:03	69	04:45	80N	11:19	293
2024	Nov	22	(Fri)	23:54	74	05:34	84N	12:02	288
2024	Nov	23	(Sat)			06:19	89N	12:41	283
2024	Nov	24	(Sun)	00:41	80	07:00	87S	13:17	277
2024	Nov	25	(Mon)	01:26	86	07:40	81S	13:50	271
2024	Nov	26	(Tue)	02:10	91	08:18	75S	14:24	266
2024	Nov	27	(Wed)	02:55	97	08:57	69S	14:58	260
2024	Nov	28	(Thu)	03:40	103	09:38	64S	15:34	254
2024	Nov	29	(Fri)	04:28	108	10:21	59S	16:13	249
2024	Nov	30	(Sat)	05:18	113	11:08	54S	16:56	245
2024	Dec	01	(Sun)	06:12	116	11:58	51S	17:44	242
2024	Dec	02	(Mon)	07:07	119	12:52	49S	18:37	241
2024	Dec	03	(Tue)	08:04	119	13:48	49S	19:33	241
2024	Dec	04	(Wed)	08:59	118	14:45	50S	20:32	243
2024	Dec	05	(Thu)	09:52	115	15:40	54S	21:30	246
2024	Dec	06	(Fri)	10:40	111	16:32	58S	22:27	251
2024	Dec	07	(Sat)	11:25	106	17:22	64S	23:22	257
2024	Dec	08	(Sun)	12:08	99	18:10	70S		
2024	Dec	09	(Mon)	12:49	93	18:57	77S	00:16	264
2024	Dec	10	(Tue)	13:30	85	19:45	84S	01:10	271
2024	Dec	11	(Wed)	14:13	78	20:35	90N	02:04	278
2024	Dec	12	(Thu)	14:59	72	21:29	84N	03:02	285
2024	Dec	13	(Fri)	15:50	67	22:27	79N	04:02	291
2024	Dec	14	(Sat)	16:46	63	23:28	76N	05:06	296
2024	Dec	15	(Sun)	17:47	61			06:11	298
2024	Dec	16	(Mon)	18:50	61	00:31	75N	07:15	299
2024	Dec	17	(Tue)	19:51	63	01:33	75N	08:14	298
2024	Dec	18	(Wed)	20:50	67	02:31	78N	09:08	295
2024	Dec	19	(Thu)	21:43	72	03:23	82N	09:55	290
2024	Dec	20	(Fri)	22:33	77	04:11	87N	10:36	285
2024	Dec	21	(Sat)	23:20	83	04:55	89S	11:14	280
2024	Dec	22	(Sun)			05:36	83S	11:48	274
2024	Dec	23	(Mon)	00:05	89	06:15	77S	12:22	268
2024	Dec	24	(Tue)	00:49	95	06:54	71S	12:56	262
2024	Dec	25	(Wed)	01:34	101	07:34	66S	13:31	256
2024	Dec	26	(Thu)	02:21	106	08:16	60S	14:09	251
2024	Dec	27	(Fri)	03:10	111	09:01	56S	14:50	247
2024	Dec	28	(Sat)	04:02	115	09:50	52S	15:36	243
2024	Dec	29	(Sun)	04:57	118	10:43	50S	16:28	241
2024	Dec	30	(Mon)	05:54	119	11:39	49S	17:24	241
2024	Dec	31	(Tue)	06:51	119	12:36	50S	18:23	242