

Sun

Trang

Location: E 99°36'53.9", N 7°31'26.4", 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)	05:45	06:34	113	12:25 60S	18:16	247	19:04
2024	Jan	02 (Tue)	05:46	06:34	113	12:25 60S	18:16	247	19:05
2024	Jan	03 (Wed)	05:46	06:35	113	12:26 60S	18:17	247	19:05
2024	Jan	04 (Thu)	05:46	06:35	113	12:26 60S	18:17	247	19:06
2024	Jan	05 (Fri)	05:47	06:35	113	12:27 61S	18:18	247	19:06
2024	Jan	06 (Sat)	05:47	06:36	113	12:27 61S	18:18	247	19:07
2024	Jan	07 (Sun)	05:48	06:36	113	12:27 61S	18:19	248	19:07
2024	Jan	08 (Mon)	05:48	06:37	112	12:28 61S	18:19	248	19:08
2024	Jan	09 (Tue)	05:48	06:37	112	12:28 61S	18:20	248	19:08
2024	Jan	10 (Wed)	05:49	06:37	112	12:29 61S	18:20	248	19:09
2024	Jan	11 (Thu)	05:49	06:38	112	12:29 61S	18:21	248	19:09
2024	Jan	12 (Fri)	05:50	06:38	112	12:30 61S	18:21	248	19:10
2024	Jan	13 (Sat)	05:50	06:38	112	12:30 62S	18:22	248	19:10
2024	Jan	14 (Sun)	05:50	06:38	112	12:30 62S	18:22	249	19:10
2024	Jan	15 (Mon)	05:51	06:39	111	12:31 62S	18:23	249	19:11
2024	Jan	16 (Tue)	05:51	06:39	111	12:31 62S	18:23	249	19:11
2024	Jan	17 (Wed)	05:51	06:39	111	12:31 62S	18:24	249	19:12
2024	Jan	18 (Thu)	05:51	06:39	111	12:32 63S	18:24	249	19:12
2024	Jan	19 (Fri)	05:52	06:40	111	12:32 63S	18:24	250	19:12
2024	Jan	20 (Sat)	05:52	06:40	110	12:32 63S	18:25	250	19:13
2024	Jan	21 (Sun)	05:52	06:40	110	12:33 63S	18:25	250	19:13
2024	Jan	22 (Mon)	05:52	06:40	110	12:33 63S	18:26	250	19:13
2024	Jan	23 (Tue)	05:53	06:40	110	12:33 64S	18:26	250	19:14
2024	Jan	24 (Wed)	05:53	06:40	109	12:33 64S	18:26	251	19:14
2024	Jan	25 (Thu)	05:53	06:41	109	12:34 64S	18:27	251	19:14
2024	Jan	26 (Fri)	05:53	06:41	109	12:34 64S	18:27	251	19:15
2024	Jan	27 (Sat)	05:53	06:41	109	12:34 65S	18:28	251	19:15
2024	Jan	28 (Sun)	05:53	06:41	108	12:34 65S	18:28	252	19:15
2024	Jan	29 (Mon)	05:54	06:41	108	12:35 65S	18:28	252	19:15
2024	Jan	30 (Tue)	05:54	06:41	108	12:35 65S	18:29	252	19:16
2024	Jan	31 (Wed)	05:54	06:41	108	12:35 66S	18:29	253	19:16
2024	Feb	01 (Thu)	05:54	06:41	107	12:35 66S	18:29	253	19:16
2024	Feb	02 (Fri)	05:54	06:41	107	12:35 66S	18:29	253	19:16
2024	Feb	03 (Sat)	05:54	06:41	107	12:35 67S	18:30	253	19:17
2024	Feb	04 (Sun)	05:54	06:41	106	12:35 67S	18:30	254	19:17
2024	Feb	05 (Mon)	05:54	06:41	106	12:35 67S	18:30	254	19:17
2024	Feb	06 (Tue)	05:54	06:41	106	12:36 67S	18:31	254	19:17
2024	Feb	07 (Wed)	05:54	06:41	106	12:36 68S	18:31	255	19:17
2024	Feb	08 (Thu)	05:54	06:40	105	12:36 68S	18:31	255	19:18
2024	Feb	09 (Fri)	05:54	06:40	105	12:36 68S	18:31	255	19:18
2024	Feb	10 (Sat)	05:54	06:40	105	12:36 69S	18:31	256	19:18
2024	Feb	11 (Sun)	05:54	06:40	104	12:36 69S	18:32	256	19:18
2024	Feb	12 (Mon)	05:54	06:40	104	12:36 69S	18:32	256	19:18
2024	Feb	13 (Tue)	05:53	06:40	104	12:36 70S	18:32	257	19:18
2024	Feb	14 (Wed)	05:53	06:39	103	12:36 70S	18:32	257	19:18
2024	Feb	15 (Thu)	05:53	06:39	103	12:36 70S	18:32	257	19:18
2024	Feb	16 (Fri)	05:53	06:39	103	12:36 71S	18:32	258	19:18
2024	Feb	17 (Sat)	05:53	06:39	102	12:36 71S	18:33	258	19:18
2024	Feb	18 (Sun)	05:53	06:38	102	12:35 71S	18:33	258	19:19
2024	Feb	19 (Mon)	05:52	06:38	102	12:35 72S	18:33	259	19:19
2024	Feb	20 (Tue)	05:52	06:38	101	12:35 72S	18:33	259	19:19
2024	Feb	21 (Wed)	05:52	06:38	101	12:35 72S	18:33	259	19:19
2024	Feb	22 (Thu)	05:52	06:37	100	12:35 73S	18:33	260	19:19
2024	Feb	23 (Fri)	05:51	06:37	100	12:35 73S	18:33	260	19:19
2024	Feb	24 (Sat)	05:51	06:37	100	12:35 74S	18:33	260	19:19
2024	Feb	25 (Sun)	05:51	06:36	99	12:35 74S	18:33	261	19:19
2024	Feb	26 (Mon)	05:50	06:36	99	12:35 74S	18:33	261	19:19
2024	Feb	27 (Tue)	05:50	06:36	99	12:34 75S	18:33	262	19:19
2024	Feb	28 (Wed)	05:50	06:35	98	12:34 75S	18:33	262	19:19
2024	Feb	29 (Thu)	05:49	06:35	98	12:34 75S	18:33	262	19:19

2024	Mar	01	(Fri)	05:49	06:34	97	12:34	76S	18:33	263	19:19
2024	Mar	02	(Sat)	05:49	06:34	97	12:34	76S	18:33	263	19:19
2024	Mar	03	(Sun)	05:48	06:34	97	12:33	77S	18:33	264	19:19
2024	Mar	04	(Mon)	05:48	06:33	96	12:33	77S	18:33	264	19:18
2024	Mar	05	(Tue)	05:48	06:33	96	12:33	77S	18:33	264	19:18
2024	Mar	06	(Wed)	05:47	06:32	96	12:33	78S	18:33	265	19:18
2024	Mar	07	(Thu)	05:47	06:32	95	12:32	78S	18:33	265	19:18
2024	Mar	08	(Fri)	05:46	06:31	95	12:32	78S	18:33	265	19:18
2024	Mar	09	(Sat)	05:46	06:31	94	12:32	79S	18:33	266	19:18
2024	Mar	10	(Sun)	05:45	06:31	94	12:32	79S	18:33	266	19:18
2024	Mar	11	(Mon)	05:45	06:30	94	12:31	80S	18:33	267	19:18
2024	Mar	12	(Tue)	05:45	06:30	93	12:31	80S	18:33	267	19:18
2024	Mar	13	(Wed)	05:44	06:29	93	12:31	80S	18:33	267	19:18
2024	Mar	14	(Thu)	05:44	06:29	92	12:31	81S	18:33	268	19:18
2024	Mar	15	(Fri)	05:43	06:28	92	12:30	81S	18:33	268	19:18
2024	Mar	16	(Sat)	05:43	06:28	92	12:30	82S	18:33	269	19:18
2024	Mar	17	(Sun)	05:42	06:27	91	12:30	82S	18:33	269	19:18
2024	Mar	18	(Mon)	05:42	06:27	91	12:30	82S	18:32	269	19:18
2024	Mar	19	(Tue)	05:41	06:26	90	12:29	83S	18:32	270	19:17
2024	Mar	20	(Wed)	05:41	06:26	90	12:29	83S	18:32	270	19:17
2024	Mar	21	(Thu)	05:40	06:25	90	12:29	84S	18:32	271	19:17
2024	Mar	22	(Fri)	05:40	06:25	89	12:28	84S	18:32	271	19:17
2024	Mar	23	(Sat)	05:39	06:24	89	12:28	84S	18:32	271	19:17
2024	Mar	24	(Sun)	05:39	06:24	88	12:28	85S	18:32	272	19:17
2024	Mar	25	(Mon)	05:38	06:23	88	12:27	85S	18:32	272	19:17
2024	Mar	26	(Tue)	05:38	06:23	88	12:27	86S	18:32	273	19:17
2024	Mar	27	(Wed)	05:37	06:22	87	12:27	86S	18:32	273	19:17
2024	Mar	28	(Thu)	05:36	06:22	87	12:27	86S	18:32	273	19:17
2024	Mar	29	(Fri)	05:36	06:21	86	12:26	87S	18:31	274	19:17
2024	Mar	30	(Sat)	05:35	06:21	86	12:26	87S	18:31	274	19:17
2024	Mar	31	(Sun)	05:35	06:20	86	12:26	88S	18:31	275	19:17
2024	Apr	01	(Mon)	05:34	06:20	85	12:25	88S	18:31	275	19:16
2024	Apr	02	(Tue)	05:34	06:19	85	12:25	88S	18:31	275	19:16
2024	Apr	03	(Wed)	05:33	06:19	84	12:25	89S	18:31	276	19:16
2024	Apr	04	(Thu)	05:33	06:18	84	12:24	89S	18:31	276	19:16
2024	Apr	05	(Fri)	05:32	06:18	84	12:24	89S	18:31	277	19:16
2024	Apr	06	(Sat)	05:32	06:17	83	12:24	90S	18:31	277	19:16
2024	Apr	07	(Sun)	05:31	06:17	83	12:24	90S	18:31	277	19:16
2024	Apr	08	(Mon)	05:31	06:16	83	12:23	91S	18:31	278	19:16
2024	Apr	09	(Tue)	05:30	06:16	82	12:23	90N	18:31	278	19:16
2024	Apr	10	(Wed)	05:30	06:15	82	12:23	90N	18:30	278	19:16
2024	Apr	11	(Thu)	05:29	06:15	81	12:23	90N	18:30	279	19:16
2024	Apr	12	(Fri)	05:29	06:14	81	12:22	89N	18:30	279	19:16
2024	Apr	13	(Sat)	05:28	06:14	81	12:22	89N	18:30	280	19:16
2024	Apr	14	(Sun)	05:28	06:13	80	12:22	89N	18:30	280	19:16
2024	Apr	15	(Mon)	05:27	06:13	80	12:22	88N	18:30	280	19:16
2024	Apr	16	(Tue)	05:27	06:12	80	12:21	88N	18:30	281	19:16
2024	Apr	17	(Wed)	05:26	06:12	79	12:21	88N	18:30	281	19:16
2024	Apr	18	(Thu)	05:26	06:12	79	12:21	87N	18:30	281	19:16
2024	Apr	19	(Fri)	05:25	06:11	79	12:21	87N	18:30	282	19:16
2024	Apr	20	(Sat)	05:25	06:11	78	12:20	87N	18:30	282	19:16
2024	Apr	21	(Sun)	05:24	06:10	78	12:20	86N	18:30	282	19:16
2024	Apr	22	(Mon)	05:24	06:10	77	12:20	86N	18:30	283	19:16
2024	Apr	23	(Tue)	05:23	06:10	77	12:20	86N	18:30	283	19:16
2024	Apr	24	(Wed)	05:23	06:09	77	12:20	85N	18:30	283	19:17
2024	Apr	25	(Thu)	05:22	06:09	76	12:19	85N	18:30	284	19:17
2024	Apr	26	(Fri)	05:22	06:09	76	12:19	85N	18:30	284	19:17
2024	Apr	27	(Sat)	05:22	06:08	76	12:19	84N	18:30	284	19:17
2024	Apr	28	(Sun)	05:21	06:08	76	12:19	84N	18:30	285	19:17
2024	Apr	29	(Mon)	05:21	06:08	75	12:19	84N	18:30	285	19:17
2024	Apr	30	(Tue)	05:20	06:07	75	12:19	83N	18:30	285	19:17
2024	May	01	(Wed)	05:20	06:07	75	12:19	83N	18:30	286	19:17
2024	May	02	(Thu)	05:20	06:07	74	12:18	83N	18:30	286	19:17
2024	May	03	(Fri)	05:19	06:06	74	12:18	82N	18:30	286	19:18
2024	May	04	(Sat)	05:19	06:06	74	12:18	82N	18:31	286	19:18
2024	May	05	(Sun)	05:19	06:06	73	12:18	82N	18:31	287	19:18
2024	May	06	(Mon)	05:18	06:06	73	12:18	82N	18:31	287	19:18
2024	May	07	(Tue)	05:18	06:05	73	12:18	81N	18:31	287	19:18
2024	May	08	(Wed)	05:18	06:05	73	12:18	81N	18:31	288	19:18
2024	May	09	(Thu)	05:17	06:05	72	12:18	81N	18:31	288	19:19
2024	May	10	(Fri)	05:17	06:05	72	12:18	80N	18:31	288	19:19
2024	May	11	(Sat)	05:17	06:05	72	12:18	80N	18:31	288	19:19

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

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

2024	Oct	03	(Thu)	05:24	06:09	94	12:10	79S	18:12	266	18:57
2024	Oct	04	(Fri)	05:24	06:09	94	12:10	79S	18:11	265	18:56
2024	Oct	05	(Sat)	05:24	06:09	95	12:10	78S	18:11	265	18:56
2024	Oct	06	(Sun)	05:24	06:09	95	12:10	78S	18:10	265	18:55
2024	Oct	07	(Mon)	05:24	06:09	96	12:09	77S	18:10	264	18:55
2024	Oct	08	(Tue)	05:24	06:09	96	12:09	77S	18:09	264	18:54
2024	Oct	09	(Wed)	05:24	06:09	96	12:09	77S	18:09	264	18:54
2024	Oct	10	(Thu)	05:23	06:09	97	12:08	76S	18:08	263	18:53
2024	Oct	11	(Fri)	05:23	06:09	97	12:08	76S	18:08	263	18:53
2024	Oct	12	(Sat)	05:23	06:09	97	12:08	76S	18:07	262	18:53
2024	Oct	13	(Sun)	05:23	06:09	98	12:08	75S	18:07	262	18:52
2024	Oct	14	(Mon)	05:23	06:09	98	12:07	75S	18:06	262	18:52
2024	Oct	15	(Tue)	05:23	06:09	99	12:07	74S	18:06	261	18:51
2024	Oct	16	(Wed)	05:23	06:08	99	12:07	74S	18:06	261	18:51
2024	Oct	17	(Thu)	05:23	06:08	99	12:07	74S	18:05	261	18:51
2024	Oct	18	(Fri)	05:23	06:08	100	12:07	73S	18:05	260	18:50
2024	Oct	19	(Sat)	05:23	06:08	100	12:06	73S	18:04	260	18:50
2024	Oct	20	(Sun)	05:23	06:08	100	12:06	73S	18:04	259	18:50
2024	Oct	21	(Mon)	05:23	06:09	101	12:06	72S	18:04	259	18:49
2024	Oct	22	(Tue)	05:23	06:09	101	12:06	72S	18:03	259	18:49
2024	Oct	23	(Wed)	05:23	06:09	101	12:06	72S	18:03	258	18:49
2024	Oct	24	(Thu)	05:23	06:09	102	12:06	71S	18:03	258	18:49
2024	Oct	25	(Fri)	05:23	06:09	102	12:06	71S	18:02	258	18:48
2024	Oct	26	(Sat)	05:23	06:09	103	12:05	71S	18:02	257	18:48
2024	Oct	27	(Sun)	05:23	06:09	103	12:05	70S	18:02	257	18:48
2024	Oct	28	(Mon)	05:23	06:09	103	12:05	70S	18:02	257	18:48
2024	Oct	29	(Tue)	05:23	06:09	104	12:05	70S	18:01	256	18:48
2024	Oct	30	(Wed)	05:23	06:09	104	12:05	69S	18:01	256	18:47
2024	Oct	31	(Thu)	05:23	06:09	104	12:05	69S	18:01	256	18:47
2024	Nov	01	(Fri)	05:23	06:09	105	12:05	69S	18:01	255	18:47
2024	Nov	02	(Sat)	05:23	06:10	105	12:05	68S	18:00	255	18:47
2024	Nov	03	(Sun)	05:23	06:10	105	12:05	68S	18:00	255	18:47
2024	Nov	04	(Mon)	05:23	06:10	105	12:05	68S	18:00	254	18:47
2024	Nov	05	(Tue)	05:24	06:10	106	12:05	67S	18:00	254	18:47
2024	Nov	06	(Wed)	05:24	06:10	106	12:05	67S	18:00	254	18:47
2024	Nov	07	(Thu)	05:24	06:11	106	12:05	67S	18:00	253	18:47
2024	Nov	08	(Fri)	05:24	06:11	107	12:05	66S	18:00	253	18:47
2024	Nov	09	(Sat)	05:24	06:11	107	12:05	66S	18:00	253	18:47
2024	Nov	10	(Sun)	05:24	06:11	107	12:05	66S	18:00	253	18:47
2024	Nov	11	(Mon)	05:24	06:12	108	12:06	66S	18:00	252	18:47
2024	Nov	12	(Tue)	05:25	06:12	108	12:06	65S	17:59	252	18:47
2024	Nov	13	(Wed)	05:25	06:12	108	12:06	65S	17:59	252	18:47
2024	Nov	14	(Thu)	05:25	06:12	108	12:06	65S	17:59	252	18:47
2024	Nov	15	(Fri)	05:25	06:13	109	12:06	65S	18:00	251	18:47
2024	Nov	16	(Sat)	05:26	06:13	109	12:06	64S	18:00	251	18:47
2024	Nov	17	(Sun)	05:26	06:13	109	12:07	64S	18:00	251	18:47
2024	Nov	18	(Mon)	05:26	06:14	109	12:07	64S	18:00	251	18:47
2024	Nov	19	(Tue)	05:26	06:14	110	12:07	64S	18:00	250	18:47
2024	Nov	20	(Wed)	05:27	06:14	110	12:07	63S	18:00	250	18:48
2024	Nov	21	(Thu)	05:27	06:15	110	12:07	63S	18:00	250	18:48
2024	Nov	22	(Fri)	05:27	06:15	110	12:08	63S	18:00	250	18:48
2024	Nov	23	(Sat)	05:28	06:16	110	12:08	63S	18:00	249	18:48
2024	Nov	24	(Sun)	05:28	06:16	111	12:08	63S	18:00	249	18:48
2024	Nov	25	(Mon)	05:28	06:16	111	12:09	62S	18:01	249	18:49
2024	Nov	26	(Tue)	05:29	06:17	111	12:09	62S	18:01	249	18:49
2024	Nov	27	(Wed)	05:29	06:17	111	12:09	62S	18:01	249	18:49
2024	Nov	28	(Thu)	05:29	06:18	111	12:10	62S	18:01	248	18:50
2024	Nov	29	(Fri)	05:30	06:18	112	12:10	62S	18:02	248	18:50
2024	Nov	30	(Sat)	05:30	06:19	112	12:10	61S	18:02	248	18:50
2024	Dec	01	(Sun)	05:31	06:19	112	12:11	61S	18:02	248	18:51
2024	Dec	02	(Mon)	05:31	06:20	112	12:11	61S	18:02	248	18:51
2024	Dec	03	(Tue)	05:32	06:20	112	12:11	61S	18:03	248	18:51
2024	Dec	04	(Wed)	05:32	06:20	112	12:12	61S	18:03	248	18:52
2024	Dec	05	(Thu)	05:32	06:21	112	12:12	61S	18:03	247	18:52
2024	Dec	06	(Fri)	05:33	06:21	113	12:13	61S	18:04	247	18:52
2024	Dec	07	(Sat)	05:33	06:22	113	12:13	61S	18:04	247	18:53
2024	Dec	08	(Sun)	05:34	06:22	113	12:14	60S	18:05	247	18:53
2024	Dec	09	(Mon)	05:34	06:23	113	12:14	60S	18:05	247	18:54
2024	Dec	10	(Tue)	05:35	06:23	113	12:14	60S	18:05	247	18:54
2024	Dec	11	(Wed)	05:35	06:24	113	12:15	60S	18:06	247	18:55
2024	Dec	12	(Thu)	05:36	06:24	113	12:15	60S	18:06	247	18:55
2024	Dec	13	(Fri)	05:36	06:25	113	12:16	60S	18:07	247	18:55

2024	Dec	14	(Sat)	05:37	06:25	113	12:16	60S	18:07	247	18:56
2024	Dec	15	(Sun)	05:37	06:26	113	12:17	60S	18:07	247	18:56
2024	Dec	16	(Mon)	05:38	06:27	113	12:17	60S	18:08	247	18:57
2024	Dec	17	(Tue)	05:38	06:27	113	12:18	60S	18:08	247	18:57
2024	Dec	18	(Wed)	05:39	06:28	113	12:18	60S	18:09	246	18:58
2024	Dec	19	(Thu)	05:39	06:28	114	12:19	60S	18:09	246	18:58
2024	Dec	20	(Fri)	05:40	06:29	114	12:19	60S	18:10	246	18:59
2024	Dec	21	(Sat)	05:40	06:29	114	12:20	60S	18:10	246	18:59
2024	Dec	22	(Sun)	05:41	06:30	114	12:20	60S	18:11	246	19:00
2024	Dec	23	(Mon)	05:41	06:30	114	12:21	60S	18:11	246	19:00
2024	Dec	24	(Tue)	05:42	06:31	114	12:21	60S	18:12	247	19:01
2024	Dec	25	(Wed)	05:42	06:31	113	12:22	60S	18:12	247	19:01
2024	Dec	26	(Thu)	05:43	06:31	113	12:22	60S	18:13	247	19:02
2024	Dec	27	(Fri)	05:43	06:32	113	12:23	60S	18:13	247	19:02
2024	Dec	28	(Sat)	05:44	06:32	113	12:23	60S	18:14	247	19:03
2024	Dec	29	(Sun)	05:44	06:33	113	12:24	60S	18:14	247	19:03
2024	Dec	30	(Mon)	05:44	06:33	113	12:24	60S	18:15	247	19:04
2024	Dec	31	(Tue)	05:45	06:34	113	12:25	60S	18:16	247	19:04

Sun

Trang

Location: E 99°36'53.9", N 7°31'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin Civil Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2024	Jan	01	(Mon)	06:11	06:34	113	12:25	60S	18:16	247	18:38
2024	Jan	02	(Tue)	06:12	06:34	113	12:25	60S	18:16	247	18:39
2024	Jan	03	(Wed)	06:12	06:35	113	12:26	60S	18:17	247	18:39
2024	Jan	04	(Thu)	06:13	06:35	113	12:26	60S	18:17	247	18:40
2024	Jan	05	(Fri)	06:13	06:35	113	12:27	61S	18:18	247	18:40
2024	Jan	06	(Sat)	06:13	06:36	113	12:27	61S	18:18	247	18:41
2024	Jan	07	(Sun)	06:14	06:36	113	12:27	61S	18:19	248	18:41
2024	Jan	08	(Mon)	06:14	06:37	112	12:28	61S	18:19	248	18:42
2024	Jan	09	(Tue)	06:14	06:37	112	12:28	61S	18:20	248	18:42
2024	Jan	10	(Wed)	06:15	06:37	112	12:29	61S	18:20	248	18:43
2024	Jan	11	(Thu)	06:15	06:38	112	12:29	61S	18:21	248	18:43
2024	Jan	12	(Fri)	06:16	06:38	112	12:30	61S	18:21	248	18:44
2024	Jan	13	(Sat)	06:16	06:38	112	12:30	62S	18:22	248	18:44
2024	Jan	14	(Sun)	06:16	06:38	112	12:30	62S	18:22	249	18:45
2024	Jan	15	(Mon)	06:16	06:39	111	12:31	62S	18:23	249	18:45
2024	Jan	16	(Tue)	06:17	06:39	111	12:31	62S	18:23	249	18:45
2024	Jan	17	(Wed)	06:17	06:39	111	12:31	62S	18:24	249	18:46
2024	Jan	18	(Thu)	06:17	06:39	111	12:32	63S	18:24	249	18:46
2024	Jan	19	(Fri)	06:17	06:40	111	12:32	63S	18:24	250	18:47
2024	Jan	20	(Sat)	06:18	06:40	110	12:32	63S	18:25	250	18:47
2024	Jan	21	(Sun)	06:18	06:40	110	12:33	63S	18:25	250	18:47
2024	Jan	22	(Mon)	06:18	06:40	110	12:33	63S	18:26	250	18:48
2024	Jan	23	(Tue)	06:18	06:40	110	12:33	64S	18:26	250	18:48
2024	Jan	24	(Wed)	06:18	06:40	109	12:33	64S	18:26	251	18:49
2024	Jan	25	(Thu)	06:19	06:41	109	12:34	64S	18:27	251	18:49
2024	Jan	26	(Fri)	06:19	06:41	109	12:34	64S	18:27	251	18:49
2024	Jan	27	(Sat)	06:19	06:41	109	12:34	65S	18:28	251	18:50
2024	Jan	28	(Sun)	06:19	06:41	108	12:34	65S	18:28	252	18:50
2024	Jan	29	(Mon)	06:19	06:41	108	12:35	65S	18:28	252	18:50
2024	Jan	30	(Tue)	06:19	06:41	108	12:35	65S	18:29	252	18:50
2024	Jan	31	(Wed)	06:19	06:41	108	12:35	66S	18:29	253	18:51
2024	Feb	01	(Thu)	06:19	06:41	107	12:35	66S	18:29	253	18:51
2024	Feb	02	(Fri)	06:19	06:41	107	12:35	66S	18:29	253	18:51
2024	Feb	03	(Sat)	06:19	06:41	107	12:35	67S	18:30	253	18:51
2024	Feb	04	(Sun)	06:19	06:41	106	12:35	67S	18:30	254	18:52
2024	Feb	05	(Mon)	06:19	06:41	106	12:35	67S	18:30	254	18:52
2024	Feb	06	(Tue)	06:19	06:41	106	12:36	67S	18:31	254	18:52
2024	Feb	07	(Wed)	06:19	06:41	106	12:36	68S	18:31	255	18:52
2024	Feb	08	(Thu)	06:19	06:40	105	12:36	68S	18:31	255	18:53
2024	Feb	09	(Fri)	06:19	06:40	105	12:36	68S	18:31	255	18:53
2024	Feb	10	(Sat)	06:19	06:40	105	12:36	69S	18:31	256	18:53

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

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

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

2024	Sep	14	(Sat)	05:51	06:12	87	12:17	86S	18:22	273	18:43
2024	Sep	15	(Sun)	05:51	06:12	87	12:17	86S	18:21	273	18:42
2024	Sep	16	(Mon)	05:51	06:12	87	12:16	86S	18:21	272	18:42
2024	Sep	17	(Tue)	05:51	06:12	88	12:16	85S	18:20	272	18:41
2024	Sep	18	(Wed)	05:51	06:11	88	12:16	85S	18:20	272	18:41
2024	Sep	19	(Thu)	05:50	06:11	88	12:15	84S	18:19	271	18:40
2024	Sep	20	(Fri)	05:50	06:11	89	12:15	84S	18:19	271	18:39
2024	Sep	21	(Sat)	05:50	06:11	89	12:15	84S	18:18	271	18:39
2024	Sep	22	(Sun)	05:50	06:11	90	12:14	83S	18:17	270	18:38
2024	Sep	23	(Mon)	05:50	06:11	90	12:14	83S	18:17	270	18:38
2024	Sep	24	(Tue)	05:50	06:11	90	12:13	83S	18:16	269	18:37
2024	Sep	25	(Wed)	05:50	06:10	91	12:13	82S	18:16	269	18:37
2024	Sep	26	(Thu)	05:49	06:10	91	12:13	82S	18:15	269	18:36
2024	Sep	27	(Fri)	05:49	06:10	92	12:12	81S	18:15	268	18:36
2024	Sep	28	(Sat)	05:49	06:10	92	12:12	81S	18:14	268	18:35
2024	Sep	29	(Sun)	05:49	06:10	92	12:12	81S	18:14	267	18:34
2024	Sep	30	(Mon)	05:49	06:10	93	12:11	80S	18:13	267	18:34
2024	Oct	01	(Tue)	05:49	06:10	93	12:11	80S	18:13	267	18:33
2024	Oct	02	(Wed)	05:49	06:09	94	12:11	79S	18:12	266	18:33
2024	Oct	03	(Thu)	05:48	06:09	94	12:10	79S	18:12	266	18:32
2024	Oct	04	(Fri)	05:48	06:09	94	12:10	79S	18:11	265	18:32
2024	Oct	05	(Sat)	05:48	06:09	95	12:10	78S	18:11	265	18:31
2024	Oct	06	(Sun)	05:48	06:09	95	12:10	78S	18:10	265	18:31
2024	Oct	07	(Mon)	05:48	06:09	96	12:09	77S	18:10	264	18:30
2024	Oct	08	(Tue)	05:48	06:09	96	12:09	77S	18:09	264	18:30
2024	Oct	09	(Wed)	05:48	06:09	96	12:09	77S	18:09	264	18:30
2024	Oct	10	(Thu)	05:48	06:09	97	12:08	76S	18:08	263	18:29
2024	Oct	11	(Fri)	05:48	06:09	97	12:08	76S	18:08	263	18:29
2024	Oct	12	(Sat)	05:48	06:09	97	12:08	76S	18:07	262	18:28
2024	Oct	13	(Sun)	05:48	06:09	98	12:08	75S	18:07	262	18:28
2024	Oct	14	(Mon)	05:48	06:09	98	12:07	75S	18:06	262	18:27
2024	Oct	15	(Tue)	05:47	06:09	99	12:07	74S	18:06	261	18:27
2024	Oct	16	(Wed)	05:47	06:08	99	12:07	74S	18:06	261	18:27
2024	Oct	17	(Thu)	05:47	06:08	99	12:07	74S	18:05	261	18:26
2024	Oct	18	(Fri)	05:47	06:08	100	12:07	73S	18:05	260	18:26
2024	Oct	19	(Sat)	05:47	06:08	100	12:06	73S	18:04	260	18:26
2024	Oct	20	(Sun)	05:47	06:08	100	12:06	73S	18:04	259	18:25
2024	Oct	21	(Mon)	05:47	06:09	101	12:06	72S	18:04	259	18:25
2024	Oct	22	(Tue)	05:47	06:09	101	12:06	72S	18:03	259	18:25
2024	Oct	23	(Wed)	05:47	06:09	101	12:06	72S	18:03	258	18:24
2024	Oct	24	(Thu)	05:47	06:09	102	12:06	71S	18:03	258	18:24
2024	Oct	25	(Fri)	05:47	06:09	102	12:06	71S	18:02	258	18:24
2024	Oct	26	(Sat)	05:47	06:09	103	12:05	71S	18:02	257	18:23
2024	Oct	27	(Sun)	05:48	06:09	103	12:05	70S	18:02	257	18:23
2024	Oct	28	(Mon)	05:48	06:09	103	12:05	70S	18:02	257	18:23
2024	Oct	29	(Tue)	05:48	06:09	104	12:05	70S	18:01	256	18:23
2024	Oct	30	(Wed)	05:48	06:09	104	12:05	69S	18:01	256	18:23
2024	Oct	31	(Thu)	05:48	06:09	104	12:05	69S	18:01	256	18:22
2024	Nov	01	(Fri)	05:48	06:09	105	12:05	69S	18:01	255	18:22
2024	Nov	02	(Sat)	05:48	06:10	105	12:05	68S	18:00	255	18:22
2024	Nov	03	(Sun)	05:48	06:10	105	12:05	68S	18:00	255	18:22
2024	Nov	04	(Mon)	05:48	06:10	105	12:05	68S	18:00	254	18:22
2024	Nov	05	(Tue)	05:49	06:10	106	12:05	67S	18:00	254	18:22
2024	Nov	06	(Wed)	05:49	06:10	106	12:05	67S	18:00	254	18:22
2024	Nov	07	(Thu)	05:49	06:11	106	12:05	67S	18:00	253	18:21
2024	Nov	08	(Fri)	05:49	06:11	107	12:05	66S	18:00	253	18:21
2024	Nov	09	(Sat)	05:49	06:11	107	12:05	66S	18:00	253	18:21
2024	Nov	10	(Sun)	05:50	06:11	107	12:05	66S	18:00	253	18:21
2024	Nov	11	(Mon)	05:50	06:12	108	12:06	66S	18:00	252	18:21
2024	Nov	12	(Tue)	05:50	06:12	108	12:06	65S	17:59	252	18:21
2024	Nov	13	(Wed)	05:50	06:12	108	12:06	65S	17:59	252	18:21
2024	Nov	14	(Thu)	05:51	06:12	108	12:06	65S	17:59	252	18:21
2024	Nov	15	(Fri)	05:51	06:13	109	12:06	65S	18:00	251	18:21
2024	Nov	16	(Sat)	05:51	06:13	109	12:06	64S	18:00	251	18:22
2024	Nov	17	(Sun)	05:51	06:13	109	12:07	64S	18:00	251	18:22
2024	Nov	18	(Mon)	05:52	06:14	109	12:07	64S	18:00	251	18:22
2024	Nov	19	(Tue)	05:52	06:14	110	12:07	64S	18:00	250	18:22
2024	Nov	20	(Wed)	05:52	06:14	110	12:07	63S	18:00	250	18:22
2024	Nov	21	(Thu)	05:53	06:15	110	12:07	63S	18:00	250	18:22
2024	Nov	22	(Fri)	05:53	06:15	110	12:08	63S	18:00	250	18:22
2024	Nov	23	(Sat)	05:53	06:16	110	12:08	63S	18:00	249	18:23
2024	Nov	24	(Sun)	05:54	06:16	111	12:08	63S	18:00	249	18:23

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

Moon

Trang

Location: E 99°36'53.9", N 7°31'26.4", 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)	22:39	81		04:13	85N	10:29	282
2024 Jan 02 (Tue)	23:21	86		04:53	90N	11:06	276
2024 Jan 03 (Wed)				05:32	85S	11:42	271
2024 Jan 04 (Thu)	00:03	92		06:11	79S	12:18	265
2024 Jan 05 (Fri)	00:46	98		06:52	74S	12:56	259
2024 Jan 06 (Sat)	01:32	104		07:35	68S	13:36	254
2024 Jan 07 (Sun)	02:20	109		08:21	63S	14:21	249
2024 Jan 08 (Mon)	03:14	113		09:13	59S	15:12	245
2024 Jan 09 (Tue)	04:12	117		10:10	56S	16:08	242
2024 Jan 10 (Wed)	05:14	118		11:12	54S	17:10	242
2024 Jan 11 (Thu)	06:17	118		12:16	55S	18:15	243
2024 Jan 12 (Fri)	07:19	116		13:19	58S	19:19	246
2024 Jan 13 (Sat)	08:16	111		14:18	63S	20:21	251
2024 Jan 14 (Sun)	09:09	106		15:13	69S	21:19	258
2024 Jan 15 (Mon)	09:58	99		16:05	76S	22:13	265
2024 Jan 16 (Tue)	10:43	92		16:54	83S	23:06	272
2024 Jan 17 (Wed)	11:27	85		17:41	90S	23:57	278
2024 Jan 18 (Thu)	12:11	78		18:29	85N		
2024 Jan 19 (Fri)	12:57	72		19:19	79N	00:49	285
2024 Jan 20 (Sat)	13:45	68		20:10	75N	01:42	290
2024 Jan 21 (Sun)	14:36	64		21:04	72N	02:37	294
2024 Jan 22 (Mon)	15:29	62		21:59	70N	03:33	297
2024 Jan 23 (Tue)	16:24	62		22:54	70N	04:29	298

2024	Jan	24	(Wed)	17:19	63	23:48	71N	05:24	298
2024	Jan	25	(Thu)	18:12	65			06:16	296
2024	Jan	26	(Fri)	19:02	69	00:38	74N	07:03	293
2024	Jan	27	(Sat)	19:50	74	01:25	78N	07:47	289
2024	Jan	28	(Sun)	20:34	79	02:09	83N	08:27	284
2024	Jan	29	(Mon)	21:17	84	02:50	88N	09:04	278
2024	Jan	30	(Tue)	21:59	90	03:30	87S	09:40	273
2024	Jan	31	(Wed)	22:41	96	04:08	81S	10:16	267
2024	Feb	01	(Thu)	23:25	102	04:48	76S	10:52	261
2024	Feb	02	(Fri)			05:29	70S	11:31	256
2024	Feb	03	(Sat)	00:11	107	06:13	65S	12:13	251
2024	Feb	04	(Sun)	01:01	112	07:01	60S	12:59	246
2024	Feb	05	(Mon)	01:55	115	07:54	57S	13:51	243
2024	Feb	06	(Tue)	02:54	118	08:52	55S	14:50	242
2024	Feb	07	(Wed)	03:56	119	09:54	54S	15:52	242
2024	Feb	08	(Thu)	04:58	117	10:57	56S	16:57	244
2024	Feb	09	(Fri)	05:58	114	11:59	60S	18:01	249
2024	Feb	10	(Sat)	06:54	109	12:57	66S	19:02	254
2024	Feb	11	(Sun)	07:46	102	13:52	73S	20:00	261
2024	Feb	12	(Mon)	08:35	95	14:44	80S	20:55	269
2024	Feb	13	(Tue)	09:21	88	15:34	87S	21:49	276
2024	Feb	14	(Wed)	10:07	81	16:24	87N	22:43	283
2024	Feb	15	(Thu)	10:53	74	17:14	81N	23:37	289
2024	Feb	16	(Fri)	11:41	69	18:06	76N		
2024	Feb	17	(Sat)	12:32	65	19:00	72N	00:32	293
2024	Feb	18	(Sun)	13:25	62	19:55	70N	01:29	297
2024	Feb	19	(Mon)	14:20	61	20:50	70N	02:25	298
2024	Feb	20	(Tue)	15:15	62	21:44	71N	03:20	298
2024	Feb	21	(Wed)	16:08	64	22:35	73N	04:12	297
2024	Feb	22	(Thu)	16:59	68	23:22	77N	05:01	294
2024	Feb	23	(Fri)	17:46	72			05:45	290
2024	Feb	24	(Sat)	18:32	77	00:07	81N	06:26	286
2024	Feb	25	(Sun)	19:15	83	00:49	87N	07:04	280
2024	Feb	26	(Mon)	19:57	88	01:28	89S	07:40	275
2024	Feb	27	(Tue)	20:39	94	02:07	83S	08:16	269
2024	Feb	28	(Wed)	21:22	100	02:46	77S	08:52	263
2024	Feb	29	(Thu)	22:07	105	03:26	72S	09:29	257
2024	Mar	01	(Fri)	22:54	110	04:09	66S	10:09	252
2024	Mar	02	(Sat)	23:46	114	04:54	62S	10:53	248
2024	Mar	03	(Sun)			05:44	58S	11:42	244
2024	Mar	04	(Mon)	00:41	117	06:39	55S	12:36	242
2024	Mar	05	(Tue)	01:40	119	07:37	54S	13:34	241
2024	Mar	06	(Wed)	02:40	118	08:38	55S	14:36	243
2024	Mar	07	(Thu)	03:40	116	09:39	58S	15:39	246
2024	Mar	08	(Fri)	04:37	112	10:38	63S	16:41	251
2024	Mar	09	(Sat)	05:30	106	11:34	69S	17:40	257
2024	Mar	10	(Sun)	06:20	99	12:28	76S	18:37	265
2024	Mar	11	(Mon)	07:08	91	13:20	84S	19:33	272
2024	Mar	12	(Tue)	07:55	84	14:11	90N	20:28	280
2024	Mar	13	(Wed)	08:43	77	15:03	83N	21:24	286
2024	Mar	14	(Thu)	09:32	71	15:56	78N	22:22	292
2024	Mar	15	(Fri)	10:24	66	16:51	73N	23:20	296
2024	Mar	16	(Sat)	11:18	63	17:48	70N		
2024	Mar	17	(Sun)	12:14	61	18:44	69N	00:18	298
2024	Mar	18	(Mon)	13:10	62	19:39	70N	01:15	299
2024	Mar	19	(Tue)	14:04	63	20:32	72N	02:09	298
2024	Mar	20	(Wed)	14:55	66	21:20	75N	02:58	295
2024	Mar	21	(Thu)	15:44	70	22:05	80N	03:44	292
2024	Mar	22	(Fri)	16:30	75	22:48	85N	04:25	287
2024	Mar	23	(Sat)	17:13	81	23:28	90N	05:04	282
2024	Mar	24	(Sun)	17:56	86			05:41	276
2024	Mar	25	(Mon)	18:38	92	00:07	85S	06:17	271
2024	Mar	26	(Tue)	19:20	98	00:46	79S	06:53	265
2024	Mar	27	(Wed)	20:05	104	01:26	73S	07:30	259
2024	Mar	28	(Thu)	20:52	109	02:07	68S	08:09	254
2024	Mar	29	(Fri)	21:42	113	02:52	63S	08:51	249
2024	Mar	30	(Sat)	22:35	117	03:40	59S	09:38	245
2024	Mar	31	(Sun)	23:32	118	04:33	56S	10:29	242
2024	Apr	01	(Mon)			05:29	54S	11:25	241
2024	Apr	02	(Tue)	00:30	119	06:27	54S	12:24	242
2024	Apr	03	(Wed)	01:28	117	07:26	56S	13:25	244
2024	Apr	04	(Thu)	02:24	114	08:24	60S	14:25	248

2024 Apr 05 (Fri)	03:17 109	09:19 66S	15:23 254
2024 Apr 06 (Sat)	04:07 103	10:12 72S	16:20 261
2024 Apr 07 (Sun)	04:55 95	11:04 79S	17:15 268
2024 Apr 08 (Mon)	05:42 88	11:55 87S	18:10 276
2024 Apr 09 (Tue)	06:29 81	12:47 87N	19:06 283
2024 Apr 10 (Wed)	07:18 74	13:40 80N	20:04 289
2024 Apr 11 (Thu)	08:10 68	14:36 75N	21:04 294
2024 Apr 12 (Fri)	09:05 64	15:34 71N	22:04 297
2024 Apr 13 (Sat)	10:02 62	16:33 70N	23:04 299
2024 Apr 14 (Sun)	11:00 61	17:30 70N	
2024 Apr 15 (Mon)	11:56 62	18:25 71N	00:01 298
2024 Apr 16 (Tue)	12:50 65	19:16 74N	00:53 296
2024 Apr 17 (Wed)	13:40 69	20:03 78N	01:41 293
2024 Apr 18 (Thu)	14:27 73	20:46 83N	02:24 289
2024 Apr 19 (Fri)	15:11 79	21:27 88N	03:04 284
2024 Apr 20 (Sat)	15:54 84	22:06 87S	03:41 278
2024 Apr 21 (Sun)	16:36 90	22:45 81S	04:17 273
2024 Apr 22 (Mon)	17:18 96	23:24 75S	04:53 267
2024 Apr 23 (Tue)	18:02 102		05:29 261
2024 Apr 24 (Wed)	18:48 107	00:06 70S	06:08 255
2024 Apr 25 (Thu)	19:38 112	00:50 65S	06:50 250
2024 Apr 26 (Fri)	20:31 116	01:37 60S	07:35 246
2024 Apr 27 (Sat)	21:27 118	02:29 57S	08:26 243
2024 Apr 28 (Sun)	22:25 119	03:24 55S	09:20 241
2024 Apr 29 (Mon)	23:22 118	04:21 54S	10:18 241
2024 Apr 30 (Tue)		05:20 56S	11:18 243
2024 May 01 (Wed)	00:18 115	06:17 59S	12:17 247
2024 May 02 (Thu)	01:10 111	07:11 63S	13:14 252
2024 May 03 (Fri)	02:00 105	08:03 69S	14:09 258
2024 May 04 (Sat)	02:46 98	08:54 76S	15:03 265
2024 May 05 (Sun)	03:32 91	09:43 84S	15:56 272
2024 May 06 (Mon)	04:18 84	10:33 91N	16:50 280
2024 May 07 (Tue)	05:05 77	11:25 84N	17:46 286
2024 May 08 (Wed)	05:55 71	12:19 78N	18:45 292
2024 May 09 (Thu)	06:49 66	13:17 73N	19:46 296
2024 May 10 (Fri)	07:46 63	14:16 70N	20:47 298
2024 May 11 (Sat)	08:45 61	15:16 69N	21:47 299
2024 May 12 (Sun)	09:43 62	16:13 70N	22:43 297
2024 May 13 (Mon)	10:40 64	17:07 73N	23:34 294
2024 May 14 (Tue)	11:32 67	17:57 77N	
2024 May 15 (Wed)	12:21 72	18:42 81N	00:19 291
2024 May 16 (Thu)	13:07 77	19:24 86N	01:01 286
2024 May 17 (Fri)	13:50 82	20:04 89S	01:39 280
2024 May 18 (Sat)	14:32 88	20:43 84S	02:16 275
2024 May 19 (Sun)	15:14 94	21:22 78S	02:51 269
2024 May 20 (Mon)	15:58 100	22:02 72S	03:28 263
2024 May 21 (Tue)	16:43 105	22:45 66S	04:05 257
2024 May 22 (Wed)	17:32 110	23:32 62S	04:46 252
2024 May 23 (Thu)	18:24 114		05:31 248
2024 May 24 (Fri)	19:20 117	00:22 58S	06:20 244
2024 May 25 (Sat)	20:18 119	01:17 55S	07:14 242
2024 May 26 (Sun)	21:17 118	02:15 54S	08:12 241
2024 May 27 (Mon)	22:14 116	03:14 55S	09:12 243
2024 May 28 (Tue)	23:07 112	04:12 58S	10:12 246
2024 May 29 (Wed)	23:57 107	05:08 62S	11:09 250
2024 May 30 (Thu)		06:00 68S	12:04 256
2024 May 31 (Fri)	00:44 101	06:49 74S	12:57 263
2024 Jun 01 (Sat)	01:28 94	07:38 81S	13:49 270
2024 Jun 02 (Sun)	02:12 87	08:26 88S	14:41 277
2024 Jun 03 (Mon)	02:57 80	09:15 86N	15:34 284
2024 Jun 04 (Tue)	03:45 73	10:07 80N	16:31 290
2024 Jun 05 (Wed)	04:36 68	11:02 75N	17:30 294
2024 Jun 06 (Thu)	05:31 64	12:00 71N	18:30 297
2024 Jun 07 (Fri)	06:29 62	13:00 70N	19:31 299
2024 Jun 08 (Sat)	07:28 61	13:59 70N	20:30 298
2024 Jun 09 (Sun)	08:26 63	14:55 72N	21:23 296
2024 Jun 10 (Mon)	09:21 66	15:47 75N	22:12 292
2024 Jun 11 (Tue)	10:13 70	16:35 79N	22:56 288
2024 Jun 12 (Wed)	11:00 75	17:19 84N	23:36 282
2024 Jun 13 (Thu)	11:45 80	18:00 90N	
2024 Jun 14 (Fri)	12:27 86	18:39 86S	00:13 277
2024 Jun 15 (Sat)	13:09 92	19:18 80S	00:49 271

2024 Jun 16 (Sun)	13:52 98	19:57 74S	01:25 265
2024 Jun 17 (Mon)	14:36 103	20:39 68S	02:02 260
2024 Jun 18 (Tue)	15:23 108	21:24 63S	02:41 254
2024 Jun 19 (Wed)	16:14 113	22:13 59S	03:24 249
2024 Jun 20 (Thu)	17:09 116	23:07 56S	04:11 245
2024 Jun 21 (Fri)	18:07 118		05:04 243
2024 Jun 22 (Sat)	19:07 119	00:05 54S	06:02 241
2024 Jun 23 (Sun)	20:06 117	01:05 55S	07:02 242
2024 Jun 24 (Mon)	21:02 113	02:04 57S	08:04 245
2024 Jun 25 (Tue)	21:54 108	03:02 61S	09:03 249
2024 Jun 26 (Wed)	22:42 102	03:56 66S	10:00 254
2024 Jun 27 (Thu)	23:27 96	04:47 72S	10:54 261
2024 Jun 28 (Fri)		05:36 79S	11:46 268
2024 Jun 29 (Sat)	00:11 89	06:23 86S	12:37 275
2024 Jun 30 (Sun)	00:55 82	07:11 88N	13:29 282
2024 Jul 01 (Mon)	01:41 75	08:01 82N	14:23 288
2024 Jul 02 (Tue)	02:29 70	08:54 77N	15:20 293
2024 Jul 03 (Wed)	03:22 65	09:50 73N	16:19 296
2024 Jul 04 (Thu)	04:17 62	10:48 70N	17:19 298
2024 Jul 05 (Fri)	05:16 61	11:47 70N	18:18 298
2024 Jul 06 (Sat)	06:14 62	12:44 71N	19:13 297
2024 Jul 07 (Sun)	07:11 65	13:38 74N	20:04 294
2024 Jul 08 (Mon)	08:04 68	14:27 78N	20:50 289
2024 Jul 09 (Tue)	08:53 73	15:13 82N	21:31 284
2024 Jul 10 (Wed)	09:39 78	15:55 88N	22:10 279
2024 Jul 11 (Thu)	10:22 84	16:35 88S	22:46 273
2024 Jul 12 (Fri)	11:04 90	17:14 82S	23:22 267
2024 Jul 13 (Sat)	11:46 95	17:53 76S	23:58 262
2024 Jul 14 (Sun)	12:29 101	18:33 70S	
2024 Jul 15 (Mon)	13:15 106	19:16 65S	00:36 256
2024 Jul 16 (Tue)	14:03 111	20:03 61S	01:16 251
2024 Jul 17 (Wed)	14:56 115	20:54 57S	02:01 247
2024 Jul 18 (Thu)	15:53 118	21:50 55S	02:52 243
2024 Jul 19 (Fri)	16:52 119	22:49 54S	03:47 242
2024 Jul 20 (Sat)	17:52 118	23:50 56S	04:47 241
2024 Jul 21 (Sun)	18:51 115		05:49 243
2024 Jul 22 (Mon)	19:46 110	00:50 59S	06:51 247
2024 Jul 23 (Tue)	20:36 105	01:47 64S	07:50 252
2024 Jul 24 (Wed)	21:24 98	02:41 70S	08:47 259
2024 Jul 25 (Thu)	22:09 91	03:31 77S	09:41 266
2024 Jul 26 (Fri)	22:54 84	04:20 84S	10:33 273
2024 Jul 27 (Sat)	23:39 77	05:09 90N	11:26 280
2024 Jul 28 (Sun)		05:58 84N	12:19 286
2024 Jul 29 (Mon)	00:27 71	06:50 78N	13:15 292
2024 Jul 30 (Tue)	01:17 66	07:44 73N	14:13 296
2024 Jul 31 (Wed)	02:12 63	08:41 71N	15:12 298
2024 Aug 01 (Thu)	03:08 61	09:39 69N	16:10 299
2024 Aug 02 (Fri)	04:06 62	10:36 70N	17:06 298
2024 Aug 03 (Sat)	05:02 63	11:31 72N	17:58 295
2024 Aug 04 (Sun)	05:56 67	12:21 76N	18:45 291
2024 Aug 05 (Mon)	06:47 71	13:08 81N	19:28 286
2024 Aug 06 (Tue)	07:33 76	13:51 86N	20:07 281
2024 Aug 07 (Wed)	08:18 82	14:32 90S	20:44 275
2024 Aug 08 (Thu)	09:00 88	15:11 84S	21:20 269
2024 Aug 09 (Fri)	09:42 93	15:50 78S	21:56 264
2024 Aug 10 (Sat)	10:25 99	16:29 72S	22:32 258
2024 Aug 11 (Sun)	11:08 105	17:11 67S	23:11 253
2024 Aug 12 (Mon)	11:55 110	17:55 62S	23:54 248
2024 Aug 13 (Tue)	12:45 114	18:43 58S	
2024 Aug 14 (Wed)	13:39 117	19:36 55S	00:41 245
2024 Aug 15 (Thu)	14:36 119	20:33 54S	01:33 242
2024 Aug 16 (Fri)	15:35 119	21:33 55S	02:30 241
2024 Aug 17 (Sat)	16:34 117	22:33 57S	03:31 242
2024 Aug 18 (Sun)	17:31 113	23:32 61S	04:33 245
2024 Aug 19 (Mon)	18:24 107		05:34 250
2024 Aug 20 (Tue)	19:14 101	00:28 67S	06:32 256
2024 Aug 21 (Wed)	20:02 94	01:21 74S	07:29 263
2024 Aug 22 (Thu)	20:48 86	02:12 81S	08:24 270
2024 Aug 23 (Fri)	21:35 79	03:02 89S	09:18 277
2024 Aug 24 (Sat)	22:23 73	03:53 86N	10:13 284
2024 Aug 25 (Sun)	23:13 67	04:45 79N	11:09 290
2024 Aug 26 (Mon)		05:40 74N	12:07 295

2024 Aug 27 (Tue)	00:07 64	06:36 71N	13:07 298
2024 Aug 28 (Wed)	01:03 62	07:34 69N	14:05 299
2024 Aug 29 (Thu)	02:01 61	08:32 70N	15:02 298
2024 Aug 30 (Fri)	02:57 63	09:26 71N	15:54 296
2024 Aug 31 (Sat)	03:52 65	10:18 75N	16:42 293
2024 Sep 01 (Sun)	04:42 69	11:05 79N	17:26 288
2024 Sep 02 (Mon)	05:30 74	11:49 84N	18:06 283
2024 Sep 03 (Tue)	06:15 80	12:30 90N	18:44 277
2024 Sep 04 (Wed)	06:58 86	13:10 86S	19:20 271
2024 Sep 05 (Thu)	07:40 91	13:48 80S	19:55 266
2024 Sep 06 (Fri)	08:22 97	14:27 74S	20:31 260
2024 Sep 07 (Sat)	09:05 103	15:08 69S	21:09 255
2024 Sep 08 (Sun)	09:50 108	15:51 64S	21:50 250
2024 Sep 09 (Mon)	10:38 112	16:37 60S	22:34 246
2024 Sep 10 (Tue)	11:29 116	17:27 56S	23:23 243
2024 Sep 11 (Wed)	12:24 118	18:20 54S	
2024 Sep 12 (Thu)	13:21 119	19:18 54S	00:17 241
2024 Sep 13 (Fri)	14:19 118	20:16 55S	01:14 241
2024 Sep 14 (Sat)	15:15 115	21:14 59S	02:14 243
2024 Sep 15 (Sun)	16:09 110	22:11 64S	03:15 247
2024 Sep 16 (Mon)	17:00 104	23:05 70S	04:14 252
2024 Sep 17 (Tue)	17:49 97	23:57 77S	05:11 259
2024 Sep 18 (Wed)	18:37 90		06:07 266
2024 Sep 19 (Thu)	19:24 82	00:49 85S	07:03 274
2024 Sep 20 (Fri)	20:13 75	01:41 89N	07:59 281
2024 Sep 21 (Sat)	21:04 69	02:34 82N	08:57 288
2024 Sep 22 (Sun)	21:59 65	03:30 76N	09:57 293
2024 Sep 23 (Mon)	22:56 62	04:28 72N	10:58 297
2024 Sep 24 (Tue)	23:55 61	05:27 70N	11:58 299
2024 Sep 25 (Wed)		06:26 69N	12:57 299
2024 Sep 26 (Thu)	00:52 62	07:22 71N	13:51 297
2024 Sep 27 (Fri)	01:48 64	08:15 73N	14:41 294
2024 Sep 28 (Sat)	02:40 68	09:03 77N	15:25 290
2024 Sep 29 (Sun)	03:28 73	09:48 82N	16:06 285
2024 Sep 30 (Mon)	04:13 78	10:30 88N	16:44 279
2024 Oct 01 (Tue)	04:57 84	11:09 88S	17:21 273
2024 Oct 02 (Wed)	05:39 90	11:48 82S	17:56 268
2024 Oct 03 (Thu)	06:20 95	12:27 76S	18:32 262
2024 Oct 04 (Fri)	07:03 101	13:07 71S	19:09 256
2024 Oct 05 (Sat)	07:48 106	13:49 65S	19:49 251
2024 Oct 06 (Sun)	08:34 111	14:34 61S	20:32 247
2024 Oct 07 (Mon)	09:24 115	15:22 57S	21:19 244
2024 Oct 08 (Tue)	10:17 118	16:14 55S	22:10 242
2024 Oct 09 (Wed)	11:12 119	17:09 54S	23:05 241
2024 Oct 10 (Thu)	12:09 119	18:05 55S	
2024 Oct 11 (Fri)	13:04 117	19:02 57S	00:02 242
2024 Oct 12 (Sat)	13:57 113	19:57 61S	01:01 245
2024 Oct 13 (Sun)	14:48 108	20:50 67S	01:58 250
2024 Oct 14 (Mon)	15:36 101	21:42 74S	02:55 255
2024 Oct 15 (Tue)	16:23 94	22:33 81S	03:50 262
2024 Oct 16 (Wed)	17:10 86	23:24 89S	04:45 270
2024 Oct 17 (Thu)	17:58 79		05:40 277
2024 Oct 18 (Fri)	18:49 72	00:17 85N	06:38 285
2024 Oct 19 (Sat)	19:44 67	01:13 79N	07:38 291
2024 Oct 20 (Sun)	20:42 63	02:12 74N	08:41 295
2024 Oct 21 (Mon)	21:42 61	03:13 71N	09:44 298
2024 Oct 22 (Tue)	22:43 61	04:14 69N	10:46 299
2024 Oct 23 (Wed)	23:41 63	05:14 70N	11:44 298
2024 Oct 24 (Thu)		06:09 72N	12:36 295
2024 Oct 25 (Fri)	00:35 67	07:00 76N	13:23 291
2024 Oct 26 (Sat)	01:25 71	07:46 81N	14:06 286
2024 Oct 27 (Sun)	02:11 76	08:29 86N	14:45 281
2024 Oct 28 (Mon)	02:55 82	09:09 90S	15:21 275
2024 Oct 29 (Tue)	03:37 88	09:48 84S	15:57 269
2024 Oct 30 (Wed)	04:19 93	10:26 78S	16:32 264
2024 Oct 31 (Thu)	05:01 99	11:06 72S	17:09 258
2024 Nov 01 (Fri)	05:45 105	11:47 67S	17:48 253
2024 Nov 02 (Sat)	06:32 110	12:32 62S	18:30 248
2024 Nov 03 (Sun)	07:21 114	13:19 58S	19:16 245
2024 Nov 04 (Mon)	08:13 117	14:10 56S	20:06 242
2024 Nov 05 (Tue)	09:08 119	15:04 54S	21:00 241
2024 Nov 06 (Wed)	10:03 119	16:00 54S	21:57 242

2024 Nov 07 (Thu)	10:58 117	16:56 56S	22:54 244
2024 Nov 08 (Fri)	11:51 114	17:50 60S	23:50 248
2024 Nov 09 (Sat)	12:41 110	18:42 65S	
2024 Nov 10 (Sun)	13:28 104	19:32 71S	00:45 253
2024 Nov 11 (Mon)	14:14 97	20:21 78S	01:38 259
2024 Nov 12 (Tue)	14:59 90	21:10 85S	02:31 266
2024 Nov 13 (Wed)	15:45 83	22:01 89N	03:24 274
2024 Nov 14 (Thu)	16:33 76	22:54 82N	04:19 281
2024 Nov 15 (Fri)	17:26 70	23:51 76N	05:17 288
2024 Nov 16 (Sat)	18:23 65		06:19 293
2024 Nov 17 (Sun)	19:23 62	00:52 72N	07:23 297
2024 Nov 18 (Mon)	20:26 61	01:55 70N	08:27 299
2024 Nov 19 (Tue)	21:27 62	02:58 69N	09:29 298
2024 Nov 20 (Wed)	22:24 65	03:57 71N	10:26 296
2024 Nov 21 (Thu)	23:17 69	04:51 74N	11:16 293
2024 Nov 22 (Fri)		05:40 79N	12:02 288
2024 Nov 23 (Sat)	00:06 74	06:25 84N	12:42 283
2024 Nov 24 (Sun)	00:51 80	07:07 90N	13:20 277
2024 Nov 25 (Mon)	01:34 86	07:46 86S	13:56 271
2024 Nov 26 (Tue)	02:16 91	08:25 80S	14:32 266
2024 Nov 27 (Wed)	02:58 97	09:04 74S	15:08 260
2024 Nov 28 (Thu)	03:42 103	09:45 69S	15:46 255
2024 Nov 29 (Fri)	04:27 108	10:28 64S	16:27 250
2024 Nov 30 (Sat)	05:16 112	11:14 60S	17:12 246
2024 Dec 01 (Sun)	06:07 116	12:05 56S	18:02 243
2024 Dec 02 (Mon)	07:02 118	12:59 55S	18:55 241
2024 Dec 03 (Tue)	07:58 119	13:55 54S	19:52 242
2024 Dec 04 (Wed)	08:54 118	14:51 56S	20:49 243
2024 Dec 05 (Thu)	09:48 115	15:46 59S	21:46 247
2024 Dec 06 (Fri)	10:38 111	16:39 63S	22:40 252
2024 Dec 07 (Sat)	11:26 106	17:29 69S	23:33 257
2024 Dec 08 (Sun)	12:10 99	18:17 75S	
2024 Dec 09 (Mon)	12:54 92	19:04 82S	00:25 264
2024 Dec 10 (Tue)	13:38 85	19:52 89S	01:16 271
2024 Dec 11 (Wed)	14:24 79	20:42 85N	02:08 278
2024 Dec 12 (Thu)	15:12 72	21:35 79N	03:02 285
2024 Dec 13 (Fri)	16:06 67	22:33 74N	04:00 291
2024 Dec 14 (Sat)	17:04 63	23:34 71N	05:02 295
2024 Dec 15 (Sun)	18:05 61		06:06 298
2024 Dec 16 (Mon)	19:08 62	00:37 69N	07:10 299
2024 Dec 17 (Tue)	20:08 64	01:39 70N	08:10 297
2024 Dec 18 (Wed)	21:05 68	02:37 73N	09:04 294
2024 Dec 19 (Thu)	21:57 72	03:30 77N	09:53 290
2024 Dec 20 (Fri)	22:44 78	04:18 82N	10:37 285
2024 Dec 21 (Sat)	23:29 83	05:01 87N	11:16 279
2024 Dec 22 (Sun)		05:42 88S	11:53 274
2024 Dec 23 (Mon)	00:12 89	06:21 82S	12:29 268
2024 Dec 24 (Tue)	00:54 95	07:00 76S	13:05 262
2024 Dec 25 (Wed)	01:36 101	07:40 71S	13:43 256
2024 Dec 26 (Thu)	02:21 106	08:22 66S	14:22 251
2024 Dec 27 (Fri)	03:08 111	09:07 61S	15:06 247
2024 Dec 28 (Sat)	03:58 115	09:56 57S	15:53 244
2024 Dec 29 (Sun)	04:52 117	10:49 55S	16:46 242
2024 Dec 30 (Mon)	05:49 119	11:45 54S	17:42 241
2024 Dec 31 (Tue)	06:46 118	12:43 55S	18:40 243