

Sun

New Location
 Location: E 99°22'08.3", N10°28'37.2", 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
2025	Jan	01	(Wed)	05:51	06:40	113	12:26	57S	18:12	247	19:01
2025	Jan	02	(Thu)	05:52	06:41	113	12:27	57S	18:12	247	19:02
2025	Jan	03	(Fri)	05:52	06:41	113	12:27	57S	18:13	247	19:02
2025	Jan	04	(Sat)	05:52	06:41	113	12:27	58S	18:14	247	19:03
2025	Jan	05	(Sun)	05:53	06:42	113	12:28	58S	18:14	247	19:03
2025	Jan	06	(Mon)	05:53	06:42	113	12:28	58S	18:15	247	19:04
2025	Jan	07	(Tue)	05:54	06:42	113	12:29	58S	18:15	247	19:04
2025	Jan	08	(Wed)	05:54	06:43	112	12:29	58S	18:16	248	19:05
2025	Jan	09	(Thu)	05:54	06:43	112	12:30	58S	18:16	248	19:05
2025	Jan	10	(Fri)	05:55	06:43	112	12:30	58S	18:17	248	19:05
2025	Jan	11	(Sat)	05:55	06:44	112	12:30	58S	18:17	248	19:06
2025	Jan	12	(Sun)	05:55	06:44	112	12:31	59S	18:18	248	19:06
2025	Jan	13	(Mon)	05:56	06:44	112	12:31	59S	18:18	248	19:07
2025	Jan	14	(Tue)	05:56	06:44	112	12:32	59S	18:19	249	19:07
2025	Jan	15	(Wed)	05:56	06:45	111	12:32	59S	18:19	249	19:08
2025	Jan	16	(Thu)	05:56	06:45	111	12:32	59S	18:20	249	19:08
2025	Jan	17	(Fri)	05:57	06:45	111	12:33	60S	18:20	249	19:09
2025	Jan	18	(Sat)	05:57	06:45	111	12:33	60S	18:21	249	19:09
2025	Jan	19	(Sun)	05:57	06:45	111	12:33	60S	18:21	250	19:09
2025	Jan	20	(Mon)	05:57	06:45	110	12:34	60S	18:22	250	19:10
2025	Jan	21	(Tue)	05:57	06:45	110	12:34	60S	18:22	250	19:10
2025	Jan	22	(Wed)	05:58	06:46	110	12:34	61S	18:23	250	19:11
2025	Jan	23	(Thu)	05:58	06:46	110	12:34	61S	18:23	250	19:11
2025	Jan	24	(Fri)	05:58	06:46	109	12:35	61S	18:24	251	19:11
2025	Jan	25	(Sat)	05:58	06:46	109	12:35	61S	18:24	251	19:12
2025	Jan	26	(Sun)	05:58	06:46	109	12:35	62S	18:24	251	19:12
2025	Jan	27	(Mon)	05:58	06:46	109	12:35	62S	18:25	252	19:12
2025	Jan	28	(Tue)	05:58	06:46	108	12:35	62S	18:25	252	19:13
2025	Jan	29	(Wed)	05:58	06:46	108	12:36	62S	18:26	252	19:13
2025	Jan	30	(Thu)	05:58	06:46	108	12:36	63S	18:26	252	19:13
2025	Jan	31	(Fri)	05:58	06:46	108	12:36	63S	18:26	253	19:14
2025	Feb	01	(Sat)	05:58	06:46	107	12:36	63S	18:27	253	19:14
2025	Feb	02	(Sun)	05:58	06:45	107	12:36	63S	18:27	253	19:14
2025	Feb	03	(Mon)	05:58	06:45	107	12:36	64S	18:27	254	19:15
2025	Feb	04	(Tue)	05:58	06:45	106	12:36	64S	18:28	254	19:15
2025	Feb	05	(Wed)	05:58	06:45	106	12:37	64S	18:28	254	19:15
2025	Feb	06	(Thu)	05:58	06:45	106	12:37	65S	18:28	254	19:15
2025	Feb	07	(Fri)	05:58	06:45	105	12:37	65S	18:29	255	19:16
2025	Feb	08	(Sat)	05:58	06:44	105	12:37	65S	18:29	255	19:16
2025	Feb	09	(Sun)	05:58	06:44	105	12:37	66S	18:29	255	19:16
2025	Feb	10	(Mon)	05:57	06:44	104	12:37	66S	18:30	256	19:16
2025	Feb	11	(Tue)	05:57	06:44	104	12:37	66S	18:30	256	19:16
2025	Feb	12	(Wed)	05:57	06:44	104	12:37	67S	18:30	256	19:17
2025	Feb	13	(Thu)	05:57	06:43	103	12:37	67S	18:30	257	19:17
2025	Feb	14	(Fri)	05:57	06:43	103	12:37	67S	18:30	257	19:17
2025	Feb	15	(Sat)	05:56	06:43	103	12:37	68S	18:31	257	19:17
2025	Feb	16	(Sun)	05:56	06:42	102	12:37	68S	18:31	258	19:17
2025	Feb	17	(Mon)	05:56	06:42	102	12:36	68S	18:31	258	19:17
2025	Feb	18	(Tue)	05:55	06:42	102	12:36	69S	18:31	259	19:17
2025	Feb	19	(Wed)	05:55	06:41	101	12:36	69S	18:31	259	19:18
2025	Feb	20	(Thu)	05:55	06:41	101	12:36	69S	18:32	259	19:18
2025	Feb	21	(Fri)	05:55	06:41	101	12:36	70S	18:32	260	19:18
2025	Feb	22	(Sat)	05:54	06:40	100	12:36	70S	18:32	260	19:18
2025	Feb	23	(Sun)	05:54	06:40	100	12:36	70S	18:32	260	19:18
2025	Feb	24	(Mon)	05:53	06:39	99	12:36	71S	18:32	261	19:18
2025	Feb	25	(Tue)	05:53	06:39	99	12:36	71S	18:32	261	19:18
2025	Feb	26	(Wed)	05:53	06:38	99	12:35	72S	18:32	261	19:18
2025	Feb	27	(Thu)	05:52	06:38	98	12:35	72S	18:33	262	19:18
2025	Feb	28	(Fri)	05:52	06:38	98	12:35	72S	18:33	262	19:18
2025	Mar	01	(Sat)	05:51	06:37	98	12:35	73S	18:33	263	19:18

2025	Mar	02	(Sun)	05:51	06:37	97	12:35	73S	18:33	263	19:18
2025	Mar	03	(Mon)	05:51	06:36	97	12:34	74S	18:33	263	19:19
2025	Mar	04	(Tue)	05:50	06:36	96	12:34	74S	18:33	264	19:19
2025	Mar	05	(Wed)	05:50	06:35	96	12:34	74S	18:33	264	19:19
2025	Mar	06	(Thu)	05:49	06:35	96	12:34	75S	18:33	265	19:19
2025	Mar	07	(Fri)	05:49	06:34	95	12:34	75S	18:33	265	19:19
2025	Mar	08	(Sat)	05:48	06:34	95	12:33	75S	18:33	265	19:19
2025	Mar	09	(Sun)	05:48	06:33	94	12:33	76S	18:33	266	19:19
2025	Mar	10	(Mon)	05:47	06:32	94	12:33	76S	18:33	266	19:19
2025	Mar	11	(Tue)	05:46	06:32	94	12:33	77S	18:33	267	19:19
2025	Mar	12	(Wed)	05:46	06:31	93	12:32	77S	18:33	267	19:19
2025	Mar	13	(Thu)	05:45	06:31	93	12:32	77S	18:33	267	19:19
2025	Mar	14	(Fri)	05:45	06:30	92	12:32	78S	18:33	268	19:19
2025	Mar	15	(Sat)	05:44	06:30	92	12:31	78S	18:33	268	19:19
2025	Mar	16	(Sun)	05:44	06:29	92	12:31	79S	18:33	269	19:19
2025	Mar	17	(Mon)	05:43	06:29	91	12:31	79S	18:33	269	19:19
2025	Mar	18	(Tue)	05:43	06:28	91	12:31	79S	18:33	269	19:19
2025	Mar	19	(Wed)	05:42	06:27	90	12:30	80S	18:33	270	19:19
2025	Mar	20	(Thu)	05:41	06:27	90	12:30	80S	18:33	270	19:19
2025	Mar	21	(Fri)	05:41	06:26	90	12:30	81S	18:33	271	19:19
2025	Mar	22	(Sat)	05:40	06:26	89	12:29	81S	18:33	271	19:19
2025	Mar	23	(Sun)	05:40	06:25	89	12:29	81S	18:33	271	19:19
2025	Mar	24	(Mon)	05:39	06:24	88	12:29	82S	18:33	272	19:19
2025	Mar	25	(Tue)	05:38	06:24	88	12:28	82S	18:33	272	19:19
2025	Mar	26	(Wed)	05:38	06:23	88	12:28	83S	18:33	273	19:19
2025	Mar	27	(Thu)	05:37	06:23	87	12:28	83S	18:33	273	19:19
2025	Mar	28	(Fri)	05:37	06:22	87	12:28	83S	18:33	273	19:19
2025	Mar	29	(Sat)	05:36	06:21	86	12:27	84S	18:33	274	19:19
2025	Mar	30	(Sun)	05:35	06:21	86	12:27	84S	18:33	274	19:19
2025	Mar	31	(Mon)	05:35	06:20	86	12:27	84S	18:33	275	19:19
2025	Apr	01	(Tue)	05:34	06:20	85	12:26	85S	18:33	275	19:19
2025	Apr	02	(Wed)	05:33	06:19	85	12:26	85S	18:33	275	19:19
2025	Apr	03	(Thu)	05:33	06:19	84	12:26	86S	18:33	276	19:19
2025	Apr	04	(Fri)	05:32	06:18	84	12:26	86S	18:33	276	19:19
2025	Apr	05	(Sat)	05:32	06:17	84	12:25	86S	18:33	277	19:19
2025	Apr	06	(Sun)	05:31	06:17	83	12:25	87S	18:33	277	19:19
2025	Apr	07	(Mon)	05:30	06:16	83	12:25	87S	18:33	277	19:19
2025	Apr	08	(Tue)	05:30	06:16	83	12:24	88S	18:33	278	19:19
2025	Apr	09	(Wed)	05:29	06:15	82	12:24	88S	18:33	278	19:19
2025	Apr	10	(Thu)	05:29	06:15	82	12:24	88S	18:33	278	19:19
2025	Apr	11	(Fri)	05:28	06:14	81	12:24	89S	18:33	279	19:19
2025	Apr	12	(Sat)	05:27	06:13	81	12:23	89S	18:33	279	19:19
2025	Apr	13	(Sun)	05:27	06:13	81	12:23	89S	18:33	280	19:20
2025	Apr	14	(Mon)	05:26	06:12	80	12:23	90S	18:33	280	19:20
2025	Apr	15	(Tue)	05:26	06:12	80	12:23	90S	18:33	280	19:20
2025	Apr	16	(Wed)	05:25	06:11	80	12:22	90S	18:33	281	19:20
2025	Apr	17	(Thu)	05:24	06:11	79	12:22	91N	18:33	281	19:20
2025	Apr	18	(Fri)	05:24	06:10	79	12:22	90N	18:33	281	19:20
2025	Apr	19	(Sat)	05:23	06:10	78	12:22	90N	18:34	282	19:20
2025	Apr	20	(Sun)	05:23	06:09	78	12:21	90N	18:34	282	19:20
2025	Apr	21	(Mon)	05:22	06:09	78	12:21	89N	18:34	282	19:20
2025	Apr	22	(Tue)	05:22	06:08	77	12:21	89N	18:34	283	19:21
2025	Apr	23	(Wed)	05:21	06:08	77	12:21	89N	18:34	283	19:21
2025	Apr	24	(Thu)	05:21	06:08	77	12:21	88N	18:34	283	19:21
2025	Apr	25	(Fri)	05:20	06:07	76	12:20	88N	18:34	284	19:21
2025	Apr	26	(Sat)	05:20	06:07	76	12:20	88N	18:34	284	19:21
2025	Apr	27	(Sun)	05:19	06:06	76	12:20	87N	18:34	284	19:21
2025	Apr	28	(Mon)	05:19	06:06	75	12:20	87N	18:34	285	19:22
2025	Apr	29	(Tue)	05:18	06:05	75	12:20	87N	18:34	285	19:22
2025	Apr	30	(Wed)	05:18	06:05	75	12:20	86N	18:35	285	19:22
2025	May	01	(Thu)	05:17	06:05	74	12:20	86N	18:35	286	19:22
2025	May	02	(Fri)	05:17	06:04	74	12:20	86N	18:35	286	19:22
2025	May	03	(Sat)	05:16	06:04	74	12:19	85N	18:35	286	19:23
2025	May	04	(Sun)	05:16	06:04	74	12:19	85N	18:35	287	19:23
2025	May	05	(Mon)	05:16	06:03	73	12:19	85N	18:35	287	19:23
2025	May	06	(Tue)	05:15	06:03	73	12:19	85N	18:35	287	19:23
2025	May	07	(Wed)	05:15	06:03	73	12:19	84N	18:36	287	19:23
2025	May	08	(Thu)	05:14	06:02	72	12:19	84N	18:36	288	19:24
2025	May	09	(Fri)	05:14	06:02	72	12:19	84N	18:36	288	19:24
2025	May	10	(Sat)	05:14	06:02	72	12:19	83N	18:36	288	19:24
2025	May	11	(Sun)	05:13	06:02	72	12:19	83N	18:36	288	19:25
2025	May	12	(Mon)	05:13	06:01	71	12:19	83N	18:36	289	19:25

2025	May	13	(Tue)	05:13	06:01	71	12:19	83N	18:37	289	19:25
2025	May	14	(Wed)	05:13	06:01	71	12:19	82N	18:37	289	19:25
2025	May	15	(Thu)	05:12	06:01	71	12:19	82N	18:37	289	19:26
2025	May	16	(Fri)	05:12	06:01	70	12:19	82N	18:37	290	19:26
2025	May	17	(Sat)	05:12	06:00	70	12:19	82N	18:37	290	19:26
2025	May	18	(Sun)	05:12	06:00	70	12:19	82N	18:38	290	19:27
2025	May	19	(Mon)	05:11	06:00	70	12:19	81N	18:38	290	19:27
2025	May	20	(Tue)	05:11	06:00	70	12:19	81N	18:38	291	19:27
2025	May	21	(Wed)	05:11	06:00	69	12:19	81N	18:38	291	19:27
2025	May	22	(Thu)	05:11	06:00	69	12:19	81N	18:39	291	19:28
2025	May	23	(Fri)	05:11	06:00	69	12:19	81N	18:39	291	19:28
2025	May	24	(Sat)	05:10	06:00	69	12:19	80N	18:39	291	19:28
2025	May	25	(Sun)	05:10	06:00	69	12:19	80N	18:39	292	19:29
2025	May	26	(Mon)	05:10	06:00	68	12:20	80N	18:40	292	19:29
2025	May	27	(Tue)	05:10	05:59	68	12:20	80N	18:40	292	19:29
2025	May	28	(Wed)	05:10	05:59	68	12:20	80N	18:40	292	19:30
2025	May	29	(Thu)	05:10	05:59	68	12:20	80N	18:40	292	19:30
2025	May	30	(Fri)	05:10	05:59	68	12:20	79N	18:41	292	19:30
2025	May	31	(Sat)	05:10	05:59	68	12:20	79N	18:41	293	19:31
2025	Jun	01	(Sun)	05:10	06:00	67	12:20	79N	18:41	293	19:31
2025	Jun	02	(Mon)	05:10	06:00	67	12:21	79N	18:42	293	19:31
2025	Jun	03	(Tue)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2025	Jun	04	(Wed)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2025	Jun	05	(Thu)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2025	Jun	06	(Fri)	05:10	06:00	67	12:21	79N	18:43	293	19:33
2025	Jun	07	(Sat)	05:10	06:00	67	12:21	78N	18:43	293	19:33
2025	Jun	08	(Sun)	05:10	06:00	67	12:22	78N	18:43	293	19:33
2025	Jun	09	(Mon)	05:10	06:00	66	12:22	78N	18:43	294	19:34
2025	Jun	10	(Tue)	05:10	06:00	66	12:22	78N	18:44	294	19:34
2025	Jun	11	(Wed)	05:10	06:00	66	12:22	78N	18:44	294	19:34
2025	Jun	12	(Thu)	05:10	06:01	66	12:22	78N	18:44	294	19:34
2025	Jun	13	(Fri)	05:10	06:01	66	12:23	78N	18:45	294	19:35
2025	Jun	14	(Sat)	05:11	06:01	66	12:23	78N	18:45	294	19:35
2025	Jun	15	(Sun)	05:11	06:01	66	12:23	78N	18:45	294	19:35
2025	Jun	16	(Mon)	05:11	06:01	66	12:23	78N	18:45	294	19:36
2025	Jun	17	(Tue)	05:11	06:01	66	12:23	78N	18:46	294	19:36
2025	Jun	18	(Wed)	05:11	06:02	66	12:24	78N	18:46	294	19:36
2025	Jun	19	(Thu)	05:11	06:02	66	12:24	78N	18:46	294	19:36
2025	Jun	20	(Fri)	05:12	06:02	66	12:24	78N	18:46	294	19:37
2025	Jun	21	(Sat)	05:12	06:02	66	12:24	78N	18:46	294	19:37
2025	Jun	22	(Sun)	05:12	06:02	66	12:25	78N	18:47	294	19:37
2025	Jun	23	(Mon)	05:12	06:03	66	12:25	78N	18:47	294	19:37
2025	Jun	24	(Tue)	05:13	06:03	66	12:25	78N	18:47	294	19:37
2025	Jun	25	(Wed)	05:13	06:03	66	12:25	78N	18:47	294	19:38
2025	Jun	26	(Thu)	05:13	06:03	66	12:25	78N	18:47	294	19:38
2025	Jun	27	(Fri)	05:13	06:04	66	12:26	78N	18:48	294	19:38
2025	Jun	28	(Sat)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2025	Jun	29	(Sun)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2025	Jun	30	(Mon)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2025	Jul	01	(Tue)	05:14	06:05	66	12:26	78N	18:48	294	19:38
2025	Jul	02	(Wed)	05:15	06:05	66	12:27	78N	18:48	294	19:38
2025	Jul	03	(Thu)	05:15	06:05	66	12:27	78N	18:48	293	19:39
2025	Jul	04	(Fri)	05:15	06:05	67	12:27	78N	18:49	293	19:39
2025	Jul	05	(Sat)	05:16	06:06	67	12:27	78N	18:49	293	19:39
2025	Jul	06	(Sun)	05:16	06:06	67	12:27	79N	18:49	293	19:39
2025	Jul	07	(Mon)	05:16	06:06	67	12:27	79N	18:49	293	19:39
2025	Jul	08	(Tue)	05:16	06:06	67	12:28	79N	18:49	293	19:39
2025	Jul	09	(Wed)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2025	Jul	10	(Thu)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2025	Jul	11	(Fri)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2025	Jul	12	(Sat)	05:18	06:07	67	12:28	79N	18:49	292	19:39
2025	Jul	13	(Sun)	05:18	06:08	68	12:28	79N	18:49	292	19:39
2025	Jul	14	(Mon)	05:18	06:08	68	12:28	80N	18:49	292	19:38
2025	Jul	15	(Tue)	05:19	06:08	68	12:29	80N	18:49	292	19:38
2025	Jul	16	(Wed)	05:19	06:08	68	12:29	80N	18:49	292	19:38
2025	Jul	17	(Thu)	05:19	06:09	68	12:29	80N	18:49	292	19:38
2025	Jul	18	(Fri)	05:20	06:09	68	12:29	80N	18:49	291	19:38
2025	Jul	19	(Sat)	05:20	06:09	69	12:29	80N	18:49	291	19:38
2025	Jul	20	(Sun)	05:20	06:09	69	12:29	81N	18:48	291	19:38
2025	Jul	21	(Mon)	05:20	06:10	69	12:29	81N	18:48	291	19:37
2025	Jul	22	(Tue)	05:21	06:10	69	12:29	81N	18:48	291	19:37
2025	Jul	23	(Wed)	05:21	06:10	69	12:29	81N	18:48	290	19:37

2025	Jul	24	(Thu)	05:21	06:10	70	12:29	81N	18:48	290	19:37
2025	Jul	25	(Fri)	05:22	06:10	70	12:29	82N	18:48	290	19:37
2025	Jul	26	(Sat)	05:22	06:11	70	12:29	82N	18:48	290	19:36
2025	Jul	27	(Sun)	05:22	06:11	70	12:29	82N	18:47	290	19:36
2025	Jul	28	(Mon)	05:22	06:11	71	12:29	82N	18:47	289	19:36
2025	Jul	29	(Tue)	05:23	06:11	71	12:29	83N	18:47	289	19:35
2025	Jul	30	(Wed)	05:23	06:11	71	12:29	83N	18:47	289	19:35
2025	Jul	31	(Thu)	05:23	06:11	71	12:29	83N	18:46	289	19:35
2025	Aug	01	(Fri)	05:23	06:12	72	12:29	83N	18:46	288	19:34
2025	Aug	02	(Sat)	05:24	06:12	72	12:29	83N	18:46	288	19:34
2025	Aug	03	(Sun)	05:24	06:12	72	12:29	84N	18:46	288	19:34
2025	Aug	04	(Mon)	05:24	06:12	72	12:29	84N	18:45	288	19:33
2025	Aug	05	(Tue)	05:24	06:12	73	12:29	84N	18:45	287	19:33
2025	Aug	06	(Wed)	05:24	06:12	73	12:28	85N	18:45	287	19:32
2025	Aug	07	(Thu)	05:25	06:12	73	12:28	85N	18:44	287	19:32
2025	Aug	08	(Fri)	05:25	06:12	73	12:28	85N	18:44	286	19:31
2025	Aug	09	(Sat)	05:25	06:13	74	12:28	85N	18:43	286	19:31
2025	Aug	10	(Sun)	05:25	06:13	74	12:28	86N	18:43	286	19:31
2025	Aug	11	(Mon)	05:25	06:13	74	12:28	86N	18:43	286	19:30
2025	Aug	12	(Tue)	05:25	06:13	75	12:28	86N	18:42	285	19:30
2025	Aug	13	(Wed)	05:26	06:13	75	12:27	87N	18:42	285	19:29
2025	Aug	14	(Thu)	05:26	06:13	75	12:27	87N	18:41	285	19:29
2025	Aug	15	(Fri)	05:26	06:13	76	12:27	87N	18:41	284	19:28
2025	Aug	16	(Sat)	05:26	06:13	76	12:27	88N	18:40	284	19:28
2025	Aug	17	(Sun)	05:26	06:13	76	12:27	88N	18:40	284	19:27
2025	Aug	18	(Mon)	05:26	06:13	77	12:26	88N	18:40	283	19:26
2025	Aug	19	(Tue)	05:26	06:13	77	12:26	89N	18:39	283	19:26
2025	Aug	20	(Wed)	05:26	06:13	77	12:26	89N	18:39	283	19:25
2025	Aug	21	(Thu)	05:26	06:13	78	12:26	89N	18:38	282	19:25
2025	Aug	22	(Fri)	05:27	06:13	78	12:25	90N	18:38	282	19:24
2025	Aug	23	(Sat)	05:27	06:13	78	12:25	90N	18:37	282	19:24
2025	Aug	24	(Sun)	05:27	06:13	79	12:25	90N	18:36	281	19:23
2025	Aug	25	(Mon)	05:27	06:13	79	12:25	91N	18:36	281	19:22
2025	Aug	26	(Tue)	05:27	06:13	79	12:24	91S	18:35	281	19:22
2025	Aug	27	(Wed)	05:27	06:13	80	12:24	90S	18:35	280	19:21
2025	Aug	28	(Thu)	05:27	06:13	80	12:24	90S	18:34	280	19:21
2025	Aug	29	(Fri)	05:27	06:13	80	12:23	89S	18:34	279	19:20
2025	Aug	30	(Sat)	05:27	06:13	81	12:23	89S	18:33	279	19:19
2025	Aug	31	(Sun)	05:27	06:13	81	12:23	89S	18:33	279	19:19
2025	Sep	01	(Mon)	05:27	06:13	81	12:23	88S	18:32	278	19:18
2025	Sep	02	(Tue)	05:27	06:13	82	12:22	88S	18:31	278	19:17
2025	Sep	03	(Wed)	05:27	06:13	82	12:22	88S	18:31	278	19:17
2025	Sep	04	(Thu)	05:27	06:13	83	12:22	87S	18:30	277	19:16
2025	Sep	05	(Fri)	05:27	06:13	83	12:21	87S	18:29	277	19:15
2025	Sep	06	(Sat)	05:27	06:13	83	12:21	87S	18:29	277	19:15
2025	Sep	07	(Sun)	05:27	06:13	84	12:21	86S	18:28	276	19:14
2025	Sep	08	(Mon)	05:27	06:13	84	12:20	86S	18:28	276	19:13
2025	Sep	09	(Tue)	05:27	06:13	84	12:20	85S	18:27	275	19:13
2025	Sep	10	(Wed)	05:27	06:13	85	12:20	85S	18:26	275	19:12
2025	Sep	11	(Thu)	05:27	06:13	85	12:19	85S	18:26	275	19:11
2025	Sep	12	(Fri)	05:27	06:12	86	12:19	84S	18:25	274	19:11
2025	Sep	13	(Sat)	05:27	06:12	86	12:18	84S	18:24	274	19:10
2025	Sep	14	(Sun)	05:27	06:12	86	12:18	84S	18:24	273	19:09
2025	Sep	15	(Mon)	05:27	06:12	87	12:18	83S	18:23	273	19:09
2025	Sep	16	(Tue)	05:27	06:12	87	12:17	83S	18:22	273	19:08
2025	Sep	17	(Wed)	05:27	06:12	88	12:17	82S	18:22	272	19:07
2025	Sep	18	(Thu)	05:27	06:12	88	12:17	82S	18:21	272	19:07
2025	Sep	19	(Fri)	05:26	06:12	88	12:16	82S	18:21	271	19:06
2025	Sep	20	(Sat)	05:26	06:12	89	12:16	81S	18:20	271	19:05
2025	Sep	21	(Sun)	05:26	06:12	89	12:16	81S	18:19	271	19:05
2025	Sep	22	(Mon)	05:26	06:12	90	12:15	80S	18:19	270	19:04
2025	Sep	23	(Tue)	05:26	06:12	90	12:15	80S	18:18	270	19:03
2025	Sep	24	(Wed)	05:26	06:12	90	12:15	80S	18:17	269	19:03
2025	Sep	25	(Thu)	05:26	06:12	91	12:14	79S	18:17	269	19:02
2025	Sep	26	(Fri)	05:26	06:12	91	12:14	79S	18:16	269	19:02
2025	Sep	27	(Sat)	05:26	06:11	92	12:14	78S	18:15	268	19:01
2025	Sep	28	(Sun)	05:26	06:11	92	12:13	78S	18:15	268	19:00
2025	Sep	29	(Mon)	05:26	06:11	92	12:13	78S	18:14	267	19:00
2025	Sep	30	(Tue)	05:26	06:11	93	12:13	77S	18:14	267	18:59
2025	Oct	01	(Wed)	05:26	06:11	93	12:12	77S	18:13	267	18:58
2025	Oct	02	(Thu)	05:26	06:11	93	12:12	77S	18:12	266	18:58
2025	Oct	03	(Fri)	05:26	06:11	94	12:12	76S	18:12	266	18:57

2025	Oct	04	(Sat)	05:26	06:11	94	12:11	76S	18:11	266	18:57
2025	Oct	05	(Sun)	05:26	06:11	95	12:11	75S	18:11	265	18:56
2025	Oct	06	(Mon)	05:26	06:11	95	12:11	75S	18:10	265	18:56
2025	Oct	07	(Tue)	05:26	06:11	95	12:10	75S	18:09	264	18:55
2025	Oct	08	(Wed)	05:26	06:11	96	12:10	74S	18:09	264	18:54
2025	Oct	09	(Thu)	05:26	06:11	96	12:10	74S	18:08	264	18:54
2025	Oct	10	(Fri)	05:25	06:11	97	12:10	73S	18:08	263	18:53
2025	Oct	11	(Sat)	05:25	06:11	97	12:09	73S	18:07	263	18:53
2025	Oct	12	(Sun)	05:25	06:11	97	12:09	73S	18:07	262	18:52
2025	Oct	13	(Mon)	05:25	06:11	98	12:09	72S	18:06	262	18:52
2025	Oct	14	(Tue)	05:25	06:11	98	12:09	72S	18:06	262	18:51
2025	Oct	15	(Wed)	05:25	06:11	99	12:08	72S	18:05	261	18:51
2025	Oct	16	(Thu)	05:25	06:11	99	12:08	71S	18:05	261	18:51
2025	Oct	17	(Fri)	05:26	06:11	99	12:08	71S	18:04	261	18:50
2025	Oct	18	(Sat)	05:26	06:11	100	12:08	71S	18:04	260	18:50
2025	Oct	19	(Sun)	05:26	06:12	100	12:08	70S	18:03	260	18:49
2025	Oct	20	(Mon)	05:26	06:12	100	12:07	70S	18:03	259	18:49
2025	Oct	21	(Tue)	05:26	06:12	101	12:07	69S	18:02	259	18:49
2025	Oct	22	(Wed)	05:26	06:12	101	12:07	69S	18:02	259	18:48
2025	Oct	23	(Thu)	05:26	06:12	101	12:07	69S	18:02	258	18:48
2025	Oct	24	(Fri)	05:26	06:12	102	12:07	68S	18:01	258	18:47
2025	Oct	25	(Sat)	05:26	06:12	102	12:07	68S	18:01	258	18:47
2025	Oct	26	(Sun)	05:26	06:12	103	12:07	68S	18:00	257	18:47
2025	Oct	27	(Mon)	05:26	06:13	103	12:06	67S	18:00	257	18:47
2025	Oct	28	(Tue)	05:26	06:13	103	12:06	67S	18:00	257	18:46
2025	Oct	29	(Wed)	05:26	06:13	104	12:06	67S	17:59	256	18:46
2025	Oct	30	(Thu)	05:27	06:13	104	12:06	66S	17:59	256	18:46
2025	Oct	31	(Fri)	05:27	06:13	104	12:06	66S	17:59	256	18:46
2025	Nov	01	(Sat)	05:27	06:14	105	12:06	66S	17:59	255	18:45
2025	Nov	02	(Sun)	05:27	06:14	105	12:06	65S	17:58	255	18:45
2025	Nov	03	(Mon)	05:27	06:14	105	12:06	65S	17:58	255	18:45
2025	Nov	04	(Tue)	05:27	06:14	105	12:06	65S	17:58	254	18:45
2025	Nov	05	(Wed)	05:28	06:14	106	12:06	64S	17:58	254	18:45
2025	Nov	06	(Thu)	05:28	06:15	106	12:06	64S	17:57	254	18:45
2025	Nov	07	(Fri)	05:28	06:15	106	12:06	64S	17:57	253	18:44
2025	Nov	08	(Sat)	05:28	06:15	107	12:06	64S	17:57	253	18:44
2025	Nov	09	(Sun)	05:28	06:16	107	12:06	63S	17:57	253	18:44
2025	Nov	10	(Mon)	05:29	06:16	107	12:06	63S	17:57	253	18:44
2025	Nov	11	(Tue)	05:29	06:16	108	12:07	63S	17:57	252	18:44
2025	Nov	12	(Wed)	05:29	06:17	108	12:07	62S	17:57	252	18:44
2025	Nov	13	(Thu)	05:29	06:17	108	12:07	62S	17:57	252	18:44
2025	Nov	14	(Fri)	05:30	06:17	108	12:07	62S	17:56	251	18:44
2025	Nov	15	(Sat)	05:30	06:18	109	12:07	62S	17:56	251	18:44
2025	Nov	16	(Sun)	05:30	06:18	109	12:07	61S	17:56	251	18:44
2025	Nov	17	(Mon)	05:31	06:18	109	12:07	61S	17:56	251	18:44
2025	Nov	18	(Tue)	05:31	06:19	109	12:08	61S	17:56	250	18:44
2025	Nov	19	(Wed)	05:31	06:19	110	12:08	61S	17:56	250	18:44
2025	Nov	20	(Thu)	05:32	06:20	110	12:08	60S	17:57	250	18:45
2025	Nov	21	(Fri)	05:32	06:20	110	12:08	60S	17:57	250	18:45
2025	Nov	22	(Sat)	05:32	06:21	110	12:09	60S	17:57	250	18:45
2025	Nov	23	(Sun)	05:33	06:21	111	12:09	60S	17:57	249	18:45
2025	Nov	24	(Mon)	05:33	06:21	111	12:09	60S	17:57	249	18:45
2025	Nov	25	(Tue)	05:34	06:22	111	12:10	59S	17:57	249	18:45
2025	Nov	26	(Wed)	05:34	06:22	111	12:10	59S	17:57	249	18:46
2025	Nov	27	(Thu)	05:34	06:23	111	12:10	59S	17:57	249	18:46
2025	Nov	28	(Fri)	05:35	06:23	112	12:10	59S	17:58	248	18:46
2025	Nov	29	(Sat)	05:35	06:24	112	12:11	59S	17:58	248	18:46
2025	Nov	30	(Sun)	05:36	06:24	112	12:11	59S	17:58	248	18:47
2025	Dec	01	(Mon)	05:36	06:25	112	12:12	58S	17:58	248	18:47
2025	Dec	02	(Tue)	05:37	06:25	112	12:12	58S	17:59	248	18:47
2025	Dec	03	(Wed)	05:37	06:26	112	12:12	58S	17:59	248	18:48
2025	Dec	04	(Thu)	05:37	06:26	112	12:13	58S	17:59	247	18:48
2025	Dec	05	(Fri)	05:38	06:27	113	12:13	58S	17:59	247	18:48
2025	Dec	06	(Sat)	05:38	06:27	113	12:14	58S	18:00	247	18:49
2025	Dec	07	(Sun)	05:39	06:28	113	12:14	58S	18:00	247	18:49
2025	Dec	08	(Mon)	05:39	06:28	113	12:14	57S	18:00	247	18:49
2025	Dec	09	(Tue)	05:40	06:29	113	12:15	57S	18:01	247	18:50
2025	Dec	10	(Wed)	05:40	06:29	113	12:15	57S	18:01	247	18:50
2025	Dec	11	(Thu)	05:41	06:30	113	12:16	57S	18:02	247	18:51
2025	Dec	12	(Fri)	05:41	06:30	113	12:16	57S	18:02	247	18:51
2025	Dec	13	(Sat)	05:42	06:31	113	12:17	57S	18:02	247	18:51
2025	Dec	14	(Sun)	05:42	06:32	113	12:17	57S	18:03	247	18:52

2025	Dec	15	(Mon)	05:43	06:32	114	12:18	57S	18:03	246	18:52
2025	Dec	16	(Tue)	05:43	06:33	114	12:18	57S	18:04	246	18:53
2025	Dec	17	(Wed)	05:44	06:33	114	12:19	57S	18:04	246	18:53
2025	Dec	18	(Thu)	05:44	06:34	114	12:19	57S	18:05	246	18:54
2025	Dec	19	(Fri)	05:45	06:34	114	12:20	57S	18:05	246	18:54
2025	Dec	20	(Sat)	05:45	06:35	114	12:20	57S	18:06	246	18:55
2025	Dec	21	(Sun)	05:46	06:35	114	12:21	57S	18:06	246	18:55
2025	Dec	22	(Mon)	05:46	06:36	114	12:21	57S	18:07	246	18:56
2025	Dec	23	(Tue)	05:47	06:36	114	12:22	57S	18:07	246	18:56
2025	Dec	24	(Wed)	05:47	06:37	114	12:22	57S	18:08	246	18:57
2025	Dec	25	(Thu)	05:48	06:37	114	12:23	57S	18:08	246	18:57
2025	Dec	26	(Fri)	05:48	06:38	114	12:23	57S	18:09	246	18:58
2025	Dec	27	(Sat)	05:49	06:38	114	12:24	57S	18:09	246	18:58
2025	Dec	28	(Sun)	05:49	06:38	114	12:24	57S	18:10	246	18:59
2025	Dec	29	(Mon)	05:50	06:39	113	12:25	57S	18:10	247	18:59
2025	Dec	30	(Tue)	05:50	06:39	113	12:25	57S	18:11	247	19:00
2025	Dec	31	(Wed)	05:51	06:40	113	12:25	57S	18:11	247	19:00

Sun

New Location

Location: E 99°22'08.3", N10°28'37.2", 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
2025	Jan	01	(Wed)	06:17	06:40	113	12:26 57S	18:12 247		18:35
2025	Jan	02	(Thu)	06:18	06:41	113	12:27 57S	18:12 247		18:35
2025	Jan	03	(Fri)	06:18	06:41	113	12:27 57S	18:13 247		18:36
2025	Jan	04	(Sat)	06:19	06:41	113	12:27 58S	18:14 247		18:36
2025	Jan	05	(Sun)	06:19	06:42	113	12:28 58S	18:14 247		18:37
2025	Jan	06	(Mon)	06:19	06:42	113	12:28 58S	18:15 247		18:37
2025	Jan	07	(Tue)	06:20	06:42	113	12:29 58S	18:15 247		18:38
2025	Jan	08	(Wed)	06:20	06:43	112	12:29 58S	18:16 248		18:38
2025	Jan	09	(Thu)	06:20	06:43	112	12:30 58S	18:16 248		18:39
2025	Jan	10	(Fri)	06:21	06:43	112	12:30 58S	18:17 248		18:39
2025	Jan	11	(Sat)	06:21	06:44	112	12:30 58S	18:17 248		18:40
2025	Jan	12	(Sun)	06:21	06:44	112	12:31 59S	18:18 248		18:40
2025	Jan	13	(Mon)	06:22	06:44	112	12:31 59S	18:18 248		18:41
2025	Jan	14	(Tue)	06:22	06:44	112	12:32 59S	18:19 249		18:41
2025	Jan	15	(Wed)	06:22	06:45	111	12:32 59S	18:19 249		18:42
2025	Jan	16	(Thu)	06:22	06:45	111	12:32 59S	18:20 249		18:42
2025	Jan	17	(Fri)	06:23	06:45	111	12:33 60S	18:20 249		18:43
2025	Jan	18	(Sat)	06:23	06:45	111	12:33 60S	18:21 249		18:43
2025	Jan	19	(Sun)	06:23	06:45	111	12:33 60S	18:21 250		18:44
2025	Jan	20	(Mon)	06:23	06:45	110	12:34 60S	18:22 250		18:44
2025	Jan	21	(Tue)	06:23	06:45	110	12:34 60S	18:22 250		18:45
2025	Jan	22	(Wed)	06:23	06:46	110	12:34 61S	18:23 250		18:45
2025	Jan	23	(Thu)	06:23	06:46	110	12:34 61S	18:23 250		18:45
2025	Jan	24	(Fri)	06:23	06:46	109	12:35 61S	18:24 251		18:46
2025	Jan	25	(Sat)	06:24	06:46	109	12:35 61S	18:24 251		18:46
2025	Jan	26	(Sun)	06:24	06:46	109	12:35 62S	18:24 251		18:47
2025	Jan	27	(Mon)	06:24	06:46	109	12:35 62S	18:25 252		18:47
2025	Jan	28	(Tue)	06:24	06:46	108	12:35 62S	18:25 252		18:47
2025	Jan	29	(Wed)	06:24	06:46	108	12:36 62S	18:26 252		18:48
2025	Jan	30	(Thu)	06:24	06:46	108	12:36 63S	18:26 252		18:48
2025	Jan	31	(Fri)	06:24	06:46	108	12:36 63S	18:26 253		18:48
2025	Feb	01	(Sat)	06:24	06:46	107	12:36 63S	18:27 253		18:49
2025	Feb	02	(Sun)	06:24	06:45	107	12:36 63S	18:27 253		18:49
2025	Feb	03	(Mon)	06:23	06:45	107	12:36 64S	18:27 254		18:49
2025	Feb	04	(Tue)	06:23	06:45	106	12:36 64S	18:28 254		18:50
2025	Feb	05	(Wed)	06:23	06:45	106	12:37 64S	18:28 254		18:50
2025	Feb	06	(Thu)	06:23	06:45	106	12:37 65S	18:28 254		18:50
2025	Feb	07	(Fri)	06:23	06:45	105	12:37 65S	18:29 255		18:50
2025	Feb	08	(Sat)	06:23	06:44	105	12:37 65S	18:29 255		18:51
2025	Feb	09	(Sun)	06:23	06:44	105	12:37 66S	18:29 255		18:51
2025	Feb	10	(Mon)	06:22	06:44	104	12:37 66S	18:30 256		18:51
2025	Feb	11	(Tue)	06:22	06:44	104	12:37 66S	18:30 256		18:51

2025	Feb	12	(Wed)	06:22	06:44	104	12:37	67S	18:30	256	18:52
2025	Feb	13	(Thu)	06:22	06:43	103	12:37	67S	18:30	257	18:52
2025	Feb	14	(Fri)	06:21	06:43	103	12:37	67S	18:30	257	18:52
2025	Feb	15	(Sat)	06:21	06:43	103	12:37	68S	18:31	257	18:52
2025	Feb	16	(Sun)	06:21	06:42	102	12:37	68S	18:31	258	18:52
2025	Feb	17	(Mon)	06:21	06:42	102	12:36	68S	18:31	258	18:53
2025	Feb	18	(Tue)	06:20	06:42	102	12:36	69S	18:31	259	18:53
2025	Feb	19	(Wed)	06:20	06:41	101	12:36	69S	18:31	259	18:53
2025	Feb	20	(Thu)	06:20	06:41	101	12:36	69S	18:32	259	18:53
2025	Feb	21	(Fri)	06:19	06:41	101	12:36	70S	18:32	260	18:53
2025	Feb	22	(Sat)	06:19	06:40	100	12:36	70S	18:32	260	18:53
2025	Feb	23	(Sun)	06:18	06:40	100	12:36	70S	18:32	260	18:53
2025	Feb	24	(Mon)	06:18	06:39	99	12:36	71S	18:32	261	18:53
2025	Feb	25	(Tue)	06:18	06:39	99	12:36	71S	18:32	261	18:54
2025	Feb	26	(Wed)	06:17	06:38	99	12:35	72S	18:32	261	18:54
2025	Feb	27	(Thu)	06:17	06:38	98	12:35	72S	18:33	262	18:54
2025	Feb	28	(Fri)	06:16	06:38	98	12:35	72S	18:33	262	18:54
2025	Mar	01	(Sat)	06:16	06:37	98	12:35	73S	18:33	263	18:54
2025	Mar	02	(Sun)	06:15	06:37	97	12:35	73S	18:33	263	18:54
2025	Mar	03	(Mon)	06:15	06:36	97	12:34	74S	18:33	263	18:54
2025	Mar	04	(Tue)	06:15	06:36	96	12:34	74S	18:33	264	18:54
2025	Mar	05	(Wed)	06:14	06:35	96	12:34	74S	18:33	264	18:54
2025	Mar	06	(Thu)	06:14	06:35	96	12:34	75S	18:33	265	18:54
2025	Mar	07	(Fri)	06:13	06:34	95	12:34	75S	18:33	265	18:54
2025	Mar	08	(Sat)	06:13	06:34	95	12:33	75S	18:33	265	18:54
2025	Mar	09	(Sun)	06:12	06:33	94	12:33	76S	18:33	266	18:54
2025	Mar	10	(Mon)	06:11	06:32	94	12:33	76S	18:33	266	18:54
2025	Mar	11	(Tue)	06:11	06:32	94	12:33	77S	18:33	267	18:54
2025	Mar	12	(Wed)	06:10	06:31	93	12:32	77S	18:33	267	18:54
2025	Mar	13	(Thu)	06:10	06:31	93	12:32	77S	18:33	267	18:54
2025	Mar	14	(Fri)	06:09	06:30	92	12:32	78S	18:33	268	18:54
2025	Mar	15	(Sat)	06:09	06:30	92	12:31	78S	18:33	268	18:54
2025	Mar	16	(Sun)	06:08	06:29	92	12:31	79S	18:33	269	18:54
2025	Mar	17	(Mon)	06:08	06:29	91	12:31	79S	18:33	269	18:54
2025	Mar	18	(Tue)	06:07	06:28	91	12:31	79S	18:33	269	18:54
2025	Mar	19	(Wed)	06:06	06:27	90	12:30	80S	18:33	270	18:54
2025	Mar	20	(Thu)	06:06	06:27	90	12:30	80S	18:33	270	18:54
2025	Mar	21	(Fri)	06:05	06:26	90	12:30	81S	18:33	271	18:54
2025	Mar	22	(Sat)	06:05	06:26	89	12:29	81S	18:33	271	18:54
2025	Mar	23	(Sun)	06:04	06:25	89	12:29	81S	18:33	271	18:54
2025	Mar	24	(Mon)	06:03	06:24	88	12:29	82S	18:33	272	18:54
2025	Mar	25	(Tue)	06:03	06:24	88	12:28	82S	18:33	272	18:54
2025	Mar	26	(Wed)	06:02	06:23	88	12:28	83S	18:33	273	18:54
2025	Mar	27	(Thu)	06:02	06:23	87	12:28	83S	18:33	273	18:54
2025	Mar	28	(Fri)	06:01	06:22	87	12:28	83S	18:33	273	18:54
2025	Mar	29	(Sat)	06:00	06:21	86	12:27	84S	18:33	274	18:54
2025	Mar	30	(Sun)	06:00	06:21	86	12:27	84S	18:33	274	18:54
2025	Mar	31	(Mon)	05:59	06:20	86	12:27	84S	18:33	275	18:54
2025	Apr	01	(Tue)	05:59	06:20	85	12:26	85S	18:33	275	18:54
2025	Apr	02	(Wed)	05:58	06:19	85	12:26	85S	18:33	275	18:54
2025	Apr	03	(Thu)	05:57	06:19	84	12:26	86S	18:33	276	18:54
2025	Apr	04	(Fri)	05:57	06:18	84	12:26	86S	18:33	276	18:54
2025	Apr	05	(Sat)	05:56	06:17	84	12:25	86S	18:33	277	18:54
2025	Apr	06	(Sun)	05:56	06:17	83	12:25	87S	18:33	277	18:54
2025	Apr	07	(Mon)	05:55	06:16	83	12:25	87S	18:33	277	18:54
2025	Apr	08	(Tue)	05:54	06:16	83	12:24	88S	18:33	278	18:54
2025	Apr	09	(Wed)	05:54	06:15	82	12:24	88S	18:33	278	18:54
2025	Apr	10	(Thu)	05:53	06:15	82	12:24	88S	18:33	278	18:55
2025	Apr	11	(Fri)	05:53	06:14	81	12:24	89S	18:33	279	18:55
2025	Apr	12	(Sat)	05:52	06:13	81	12:23	89S	18:33	279	18:55
2025	Apr	13	(Sun)	05:52	06:13	81	12:23	89S	18:33	280	18:55
2025	Apr	14	(Mon)	05:51	06:12	80	12:23	90S	18:33	280	18:55
2025	Apr	15	(Tue)	05:51	06:12	80	12:23	90S	18:33	280	18:55
2025	Apr	16	(Wed)	05:50	06:11	80	12:22	90S	18:33	281	18:55
2025	Apr	17	(Thu)	05:49	06:11	79	12:22	91N	18:33	281	18:55
2025	Apr	18	(Fri)	05:49	06:10	79	12:22	90N	18:33	281	18:55
2025	Apr	19	(Sat)	05:48	06:10	78	12:22	90N	18:34	282	18:55
2025	Apr	20	(Sun)	05:48	06:09	78	12:21	90N	18:34	282	18:55
2025	Apr	21	(Mon)	05:47	06:09	78	12:21	89N	18:34	282	18:55
2025	Apr	22	(Tue)	05:47	06:08	77	12:21	89N	18:34	283	18:55
2025	Apr	23	(Wed)	05:46	06:08	77	12:21	89N	18:34	283	18:55
2025	Apr	24	(Thu)	05:46	06:08	77	12:21	88N	18:34	283	18:56

2025	Apr	25	(Fri)	05:45	06:07	76	12:20	88N	18:34	284	18:56
2025	Apr	26	(Sat)	05:45	06:07	76	12:20	88N	18:34	284	18:56
2025	Apr	27	(Sun)	05:45	06:06	76	12:20	87N	18:34	284	18:56
2025	Apr	28	(Mon)	05:44	06:06	75	12:20	87N	18:34	285	18:56
2025	Apr	29	(Tue)	05:44	06:05	75	12:20	87N	18:34	285	18:56
2025	Apr	30	(Wed)	05:43	06:05	75	12:20	86N	18:35	285	18:56
2025	May	01	(Thu)	05:43	06:05	74	12:20	86N	18:35	286	18:57
2025	May	02	(Fri)	05:42	06:04	74	12:20	86N	18:35	286	18:57
2025	May	03	(Sat)	05:42	06:04	74	12:19	85N	18:35	286	18:57
2025	May	04	(Sun)	05:42	06:04	74	12:19	85N	18:35	287	18:57
2025	May	05	(Mon)	05:41	06:03	73	12:19	85N	18:35	287	18:57
2025	May	06	(Tue)	05:41	06:03	73	12:19	85N	18:35	287	18:57
2025	May	07	(Wed)	05:41	06:03	73	12:19	84N	18:36	287	18:58
2025	May	08	(Thu)	05:40	06:02	72	12:19	84N	18:36	288	18:58
2025	May	09	(Fri)	05:40	06:02	72	12:19	84N	18:36	288	18:58
2025	May	10	(Sat)	05:40	06:02	72	12:19	83N	18:36	288	18:58
2025	May	11	(Sun)	05:39	06:02	72	12:19	83N	18:36	288	18:58
2025	May	12	(Mon)	05:39	06:01	71	12:19	83N	18:36	289	18:59
2025	May	13	(Tue)	05:39	06:01	71	12:19	83N	18:37	289	18:59
2025	May	14	(Wed)	05:39	06:01	71	12:19	82N	18:37	289	18:59
2025	May	15	(Thu)	05:38	06:01	71	12:19	82N	18:37	289	18:59
2025	May	16	(Fri)	05:38	06:01	70	12:19	82N	18:37	290	19:00
2025	May	17	(Sat)	05:38	06:00	70	12:19	82N	18:37	290	19:00
2025	May	18	(Sun)	05:38	06:00	70	12:19	82N	18:38	290	19:00
2025	May	19	(Mon)	05:38	06:00	70	12:19	81N	18:38	290	19:00
2025	May	20	(Tue)	05:37	06:00	70	12:19	81N	18:38	291	19:01
2025	May	21	(Wed)	05:37	06:00	69	12:19	81N	18:38	291	19:01
2025	May	22	(Thu)	05:37	06:00	69	12:19	81N	18:39	291	19:01
2025	May	23	(Fri)	05:37	06:00	69	12:19	81N	18:39	291	19:02
2025	May	24	(Sat)	05:37	06:00	69	12:19	80N	18:39	291	19:02
2025	May	25	(Sun)	05:37	06:00	69	12:19	80N	18:39	292	19:02
2025	May	26	(Mon)	05:37	06:00	68	12:20	80N	18:40	292	19:02
2025	May	27	(Tue)	05:37	05:59	68	12:20	80N	18:40	292	19:03
2025	May	28	(Wed)	05:37	05:59	68	12:20	80N	18:40	292	19:03
2025	May	29	(Thu)	05:37	05:59	68	12:20	80N	18:40	292	19:03
2025	May	30	(Fri)	05:37	05:59	68	12:20	79N	18:41	292	19:04
2025	May	31	(Sat)	05:37	05:59	68	12:20	79N	18:41	293	19:04
2025	Jun	01	(Sun)	05:37	06:00	67	12:20	79N	18:41	293	19:04
2025	Jun	02	(Mon)	05:37	06:00	67	12:21	79N	18:42	293	19:04
2025	Jun	03	(Tue)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2025	Jun	04	(Wed)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2025	Jun	05	(Thu)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2025	Jun	06	(Fri)	05:37	06:00	67	12:21	79N	18:43	293	19:06
2025	Jun	07	(Sat)	05:37	06:00	67	12:21	78N	18:43	293	19:06
2025	Jun	08	(Sun)	05:37	06:00	67	12:22	78N	18:43	293	19:06
2025	Jun	09	(Mon)	05:37	06:00	66	12:22	78N	18:43	294	19:07
2025	Jun	10	(Tue)	05:37	06:00	66	12:22	78N	18:44	294	19:07
2025	Jun	11	(Wed)	05:37	06:00	66	12:22	78N	18:44	294	19:07
2025	Jun	12	(Thu)	05:37	06:01	66	12:22	78N	18:44	294	19:07
2025	Jun	13	(Fri)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2025	Jun	14	(Sat)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2025	Jun	15	(Sun)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2025	Jun	16	(Mon)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2025	Jun	17	(Tue)	05:38	06:01	66	12:23	78N	18:46	294	19:09
2025	Jun	18	(Wed)	05:38	06:02	66	12:24	78N	18:46	294	19:09
2025	Jun	19	(Thu)	05:39	06:02	66	12:24	78N	18:46	294	19:09
2025	Jun	20	(Fri)	05:39	06:02	66	12:24	78N	18:46	294	19:09
2025	Jun	21	(Sat)	05:39	06:02	66	12:24	78N	18:46	294	19:10
2025	Jun	22	(Sun)	05:39	06:02	66	12:25	78N	18:47	294	19:10
2025	Jun	23	(Mon)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2025	Jun	24	(Tue)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2025	Jun	25	(Wed)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2025	Jun	26	(Thu)	05:40	06:03	66	12:25	78N	18:47	294	19:11
2025	Jun	27	(Fri)	05:40	06:04	66	12:26	78N	18:48	294	19:11
2025	Jun	28	(Sat)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2025	Jun	29	(Sun)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2025	Jun	30	(Mon)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2025	Jul	01	(Tue)	05:42	06:05	66	12:26	78N	18:48	294	19:11
2025	Jul	02	(Wed)	05:42	06:05	66	12:27	78N	18:48	294	19:11
2025	Jul	03	(Thu)	05:42	06:05	66	12:27	78N	18:48	293	19:11
2025	Jul	04	(Fri)	05:42	06:05	67	12:27	78N	18:49	293	19:12
2025	Jul	05	(Sat)	05:43	06:06	67	12:27	78N	18:49	293	19:12

2025	Jul	06	(Sun)	05:43	06:06	67	12:27	79N	18:49	293	19:12
2025	Jul	07	(Mon)	05:43	06:06	67	12:27	79N	18:49	293	19:12
2025	Jul	08	(Tue)	05:43	06:06	67	12:28	79N	18:49	293	19:12
2025	Jul	09	(Wed)	05:44	06:07	67	12:28	79N	18:49	293	19:12
2025	Jul	10	(Thu)	05:44	06:07	67	12:28	79N	18:49	293	19:12
2025	Jul	11	(Fri)	05:44	06:07	67	12:28	79N	18:49	293	19:12
2025	Jul	12	(Sat)	05:45	06:07	67	12:28	79N	18:49	292	19:12
2025	Jul	13	(Sun)	05:45	06:08	68	12:28	79N	18:49	292	19:12
2025	Jul	14	(Mon)	05:45	06:08	68	12:28	80N	18:49	292	19:12
2025	Jul	15	(Tue)	05:45	06:08	68	12:29	80N	18:49	292	19:12
2025	Jul	16	(Wed)	05:46	06:08	68	12:29	80N	18:49	292	19:12
2025	Jul	17	(Thu)	05:46	06:09	68	12:29	80N	18:49	292	19:11
2025	Jul	18	(Fri)	05:46	06:09	68	12:29	80N	18:49	291	19:11
2025	Jul	19	(Sat)	05:46	06:09	69	12:29	80N	18:49	291	19:11
2025	Jul	20	(Sun)	05:47	06:09	69	12:29	81N	18:48	291	19:11
2025	Jul	21	(Mon)	05:47	06:10	69	12:29	81N	18:48	291	19:11
2025	Jul	22	(Tue)	05:47	06:10	69	12:29	81N	18:48	291	19:11
2025	Jul	23	(Wed)	05:47	06:10	69	12:29	81N	18:48	290	19:11
2025	Jul	24	(Thu)	05:48	06:10	70	12:29	81N	18:48	290	19:10
2025	Jul	25	(Fri)	05:48	06:10	70	12:29	82N	18:48	290	19:10
2025	Jul	26	(Sat)	05:48	06:11	70	12:29	82N	18:48	290	19:10
2025	Jul	27	(Sun)	05:48	06:11	70	12:29	82N	18:47	290	19:10
2025	Jul	28	(Mon)	05:49	06:11	71	12:29	82N	18:47	289	19:09
2025	Jul	29	(Tue)	05:49	06:11	71	12:29	83N	18:47	289	19:09
2025	Jul	30	(Wed)	05:49	06:11	71	12:29	83N	18:47	289	19:09
2025	Jul	31	(Thu)	05:49	06:11	71	12:29	83N	18:46	289	19:09
2025	Aug	01	(Fri)	05:49	06:12	72	12:29	83N	18:46	288	19:08
2025	Aug	02	(Sat)	05:50	06:12	72	12:29	83N	18:46	288	19:08
2025	Aug	03	(Sun)	05:50	06:12	72	12:29	84N	18:46	288	19:08
2025	Aug	04	(Mon)	05:50	06:12	72	12:29	84N	18:45	288	19:07
2025	Aug	05	(Tue)	05:50	06:12	73	12:29	84N	18:45	287	19:07
2025	Aug	06	(Wed)	05:50	06:12	73	12:28	85N	18:45	287	19:07
2025	Aug	07	(Thu)	05:50	06:12	73	12:28	85N	18:44	287	19:06
2025	Aug	08	(Fri)	05:50	06:12	73	12:28	85N	18:44	286	19:06
2025	Aug	09	(Sat)	05:51	06:13	74	12:28	85N	18:43	286	19:05
2025	Aug	10	(Sun)	05:51	06:13	74	12:28	86N	18:43	286	19:05
2025	Aug	11	(Mon)	05:51	06:13	74	12:28	86N	18:43	286	19:05
2025	Aug	12	(Tue)	05:51	06:13	75	12:28	86N	18:42	285	19:04
2025	Aug	13	(Wed)	05:51	06:13	75	12:27	87N	18:42	285	19:04
2025	Aug	14	(Thu)	05:51	06:13	75	12:27	87N	18:41	285	19:03
2025	Aug	15	(Fri)	05:51	06:13	76	12:27	87N	18:41	284	19:03
2025	Aug	16	(Sat)	05:51	06:13	76	12:27	88N	18:40	284	19:02
2025	Aug	17	(Sun)	05:51	06:13	76	12:27	88N	18:40	284	19:02
2025	Aug	18	(Mon)	05:51	06:13	77	12:26	88N	18:40	283	19:01
2025	Aug	19	(Tue)	05:52	06:13	77	12:26	89N	18:39	283	19:01
2025	Aug	20	(Wed)	05:52	06:13	77	12:26	89N	18:39	283	19:00
2025	Aug	21	(Thu)	05:52	06:13	78	12:26	89N	18:38	282	19:00
2025	Aug	22	(Fri)	05:52	06:13	78	12:25	90N	18:38	282	18:59
2025	Aug	23	(Sat)	05:52	06:13	78	12:25	90N	18:37	282	18:58
2025	Aug	24	(Sun)	05:52	06:13	79	12:25	90N	18:36	281	18:58
2025	Aug	25	(Mon)	05:52	06:13	79	12:25	91N	18:36	281	18:57
2025	Aug	26	(Tue)	05:52	06:13	79	12:24	91S	18:35	281	18:57
2025	Aug	27	(Wed)	05:52	06:13	80	12:24	90S	18:35	280	18:56
2025	Aug	28	(Thu)	05:52	06:13	80	12:24	90S	18:34	280	18:56
2025	Aug	29	(Fri)	05:52	06:13	80	12:23	89S	18:34	279	18:55
2025	Aug	30	(Sat)	05:52	06:13	81	12:23	89S	18:33	279	18:54
2025	Aug	31	(Sun)	05:52	06:13	81	12:23	89S	18:33	279	18:54
2025	Sep	01	(Mon)	05:52	06:13	81	12:23	88S	18:32	278	18:53
2025	Sep	02	(Tue)	05:52	06:13	82	12:22	88S	18:31	278	18:53
2025	Sep	03	(Wed)	05:52	06:13	82	12:22	88S	18:31	278	18:52
2025	Sep	04	(Thu)	05:52	06:13	83	12:22	87S	18:30	277	18:51
2025	Sep	05	(Fri)	05:52	06:13	83	12:21	87S	18:29	277	18:51
2025	Sep	06	(Sat)	05:52	06:13	83	12:21	87S	18:29	277	18:50
2025	Sep	07	(Sun)	05:52	06:13	84	12:21	86S	18:28	276	18:49
2025	Sep	08	(Mon)	05:52	06:13	84	12:20	86S	18:28	276	18:49
2025	Sep	09	(Tue)	05:52	06:13	84	12:20	85S	18:27	275	18:48
2025	Sep	10	(Wed)	05:51	06:13	85	12:20	85S	18:26	275	18:47
2025	Sep	11	(Thu)	05:51	06:13	85	12:19	85S	18:26	275	18:47
2025	Sep	12	(Fri)	05:51	06:12	86	12:19	84S	18:25	274	18:46
2025	Sep	13	(Sat)	05:51	06:12	86	12:18	84S	18:24	274	18:45
2025	Sep	14	(Sun)	05:51	06:12	86	12:18	84S	18:24	273	18:45
2025	Sep	15	(Mon)	05:51	06:12	87	12:18	83S	18:23	273	18:44

2025	Sep	16	(Tue)	05:51	06:12	87	12:17	83S	18:22	273	18:44
2025	Sep	17	(Wed)	05:51	06:12	88	12:17	82S	18:22	272	18:43
2025	Sep	18	(Thu)	05:51	06:12	88	12:17	82S	18:21	272	18:42
2025	Sep	19	(Fri)	05:51	06:12	88	12:16	82S	18:21	271	18:42
2025	Sep	20	(Sat)	05:51	06:12	89	12:16	81S	18:20	271	18:41
2025	Sep	21	(Sun)	05:51	06:12	89	12:16	81S	18:19	271	18:40
2025	Sep	22	(Mon)	05:51	06:12	90	12:15	80S	18:19	270	18:40
2025	Sep	23	(Tue)	05:51	06:12	90	12:15	80S	18:18	270	18:39
2025	Sep	24	(Wed)	05:51	06:12	90	12:15	80S	18:17	269	18:38
2025	Sep	25	(Thu)	05:51	06:12	91	12:14	79S	18:17	269	18:38
2025	Sep	26	(Fri)	05:50	06:12	91	12:14	79S	18:16	269	18:37
2025	Sep	27	(Sat)	05:50	06:11	92	12:14	78S	18:15	268	18:36
2025	Sep	28	(Sun)	05:50	06:11	92	12:13	78S	18:15	268	18:36
2025	Sep	29	(Mon)	05:50	06:11	92	12:13	78S	18:14	267	18:35
2025	Sep	30	(Tue)	05:50	06:11	93	12:13	77S	18:14	267	18:35
2025	Oct	01	(Wed)	05:50	06:11	93	12:12	77S	18:13	267	18:34
2025	Oct	02	(Thu)	05:50	06:11	93	12:12	77S	18:12	266	18:33
2025	Oct	03	(Fri)	05:50	06:11	94	12:12	76S	18:12	266	18:33
2025	Oct	04	(Sat)	05:50	06:11	94	12:11	76S	18:11	266	18:32
2025	Oct	05	(Sun)	05:50	06:11	95	12:11	75S	18:11	265	18:32
2025	Oct	06	(Mon)	05:50	06:11	95	12:11	75S	18:10	265	18:31
2025	Oct	07	(Tue)	05:50	06:11	95	12:10	75S	18:09	264	18:31
2025	Oct	08	(Wed)	05:50	06:11	96	12:10	74S	18:09	264	18:30
2025	Oct	09	(Thu)	05:50	06:11	96	12:10	74S	18:08	264	18:29
2025	Oct	10	(Fri)	05:50	06:11	97	12:10	73S	18:08	263	18:29
2025	Oct	11	(Sat)	05:50	06:11	97	12:09	73S	18:07	263	18:28
2025	Oct	12	(Sun)	05:50	06:11	97	12:09	73S	18:07	262	18:28
2025	Oct	13	(Mon)	05:50	06:11	98	12:09	72S	18:06	262	18:27
2025	Oct	14	(Tue)	05:50	06:11	98	12:09	72S	18:06	262	18:27
2025	Oct	15	(Wed)	05:50	06:11	99	12:08	72S	18:05	261	18:26
2025	Oct	16	(Thu)	05:50	06:11	99	12:08	71S	18:05	261	18:26
2025	Oct	17	(Fri)	05:50	06:11	99	12:08	71S	18:04	261	18:25
2025	Oct	18	(Sat)	05:50	06:11	100	12:08	71S	18:04	260	18:25
2025	Oct	19	(Sun)	05:50	06:12	100	12:08	70S	18:03	260	18:25
2025	Oct	20	(Mon)	05:50	06:12	100	12:07	70S	18:03	259	18:24
2025	Oct	21	(Tue)	05:50	06:12	101	12:07	69S	18:02	259	18:24
2025	Oct	22	(Wed)	05:51	06:12	101	12:07	69S	18:02	259	18:23
2025	Oct	23	(Thu)	05:51	06:12	101	12:07	69S	18:02	258	18:23
2025	Oct	24	(Fri)	05:51	06:12	102	12:07	68S	18:01	258	18:23
2025	Oct	25	(Sat)	05:51	06:12	102	12:07	68S	18:01	258	18:22
2025	Oct	26	(Sun)	05:51	06:12	103	12:07	68S	18:00	257	18:22
2025	Oct	27	(Mon)	05:51	06:13	103	12:06	67S	18:00	257	18:22
2025	Oct	28	(Tue)	05:51	06:13	103	12:06	67S	18:00	257	18:21
2025	Oct	29	(Wed)	05:51	06:13	104	12:06	67S	17:59	256	18:21
2025	Oct	30	(Thu)	05:52	06:13	104	12:06	66S	17:59	256	18:21
2025	Oct	31	(Fri)	05:52	06:13	104	12:06	66S	17:59	256	18:21
2025	Nov	01	(Sat)	05:52	06:14	105	12:06	66S	17:59	255	18:20
2025	Nov	02	(Sun)	05:52	06:14	105	12:06	65S	17:58	255	18:20
2025	Nov	03	(Mon)	05:52	06:14	105	12:06	65S	17:58	255	18:20
2025	Nov	04	(Tue)	05:52	06:14	105	12:06	65S	17:58	254	18:20
2025	Nov	05	(Wed)	05:53	06:14	106	12:06	64S	17:58	254	18:19
2025	Nov	06	(Thu)	05:53	06:15	106	12:06	64S	17:57	254	18:19
2025	Nov	07	(Fri)	05:53	06:15	106	12:06	64S	17:57	253	18:19
2025	Nov	08	(Sat)	05:53	06:15	107	12:06	64S	17:57	253	18:19
2025	Nov	09	(Sun)	05:54	06:16	107	12:06	63S	17:57	253	18:19
2025	Nov	10	(Mon)	05:54	06:16	107	12:06	63S	17:57	253	18:19
2025	Nov	11	(Tue)	05:54	06:16	108	12:07	63S	17:57	252	18:19
2025	Nov	12	(Wed)	05:55	06:17	108	12:07	62S	17:57	252	18:19
2025	Nov	13	(Thu)	05:55	06:17	108	12:07	62S	17:57	252	18:19
2025	Nov	14	(Fri)	05:55	06:17	108	12:07	62S	17:56	251	18:19
2025	Nov	15	(Sat)	05:56	06:18	109	12:07	62S	17:56	251	18:19
2025	Nov	16	(Sun)	05:56	06:18	109	12:07	61S	17:56	251	18:19
2025	Nov	17	(Mon)	05:56	06:18	109	12:07	61S	17:56	251	18:19
2025	Nov	18	(Tue)	05:57	06:19	109	12:08	61S	17:56	250	18:19
2025	Nov	19	(Wed)	05:57	06:19	110	12:08	61S	17:56	250	18:19
2025	Nov	20	(Thu)	05:57	06:20	110	12:08	60S	17:57	250	18:19
2025	Nov	21	(Fri)	05:58	06:20	110	12:08	60S	17:57	250	18:19
2025	Nov	22	(Sat)	05:58	06:21	110	12:09	60S	17:57	250	18:19
2025	Nov	23	(Sun)	05:59	06:21	111	12:09	60S	17:57	249	18:19
2025	Nov	24	(Mon)	05:59	06:21	111	12:09	60S	17:57	249	18:19
2025	Nov	25	(Tue)	05:59	06:22	111	12:10	59S	17:57	249	18:20
2025	Nov	26	(Wed)	06:00	06:22	111	12:10	59S	17:57	249	18:20

2025	Nov	27	(Thu)	06:00	06:23	111	12:10	59S	17:57	249	18:20
2025	Nov	28	(Fri)	06:01	06:23	112	12:10	59S	17:58	248	18:20
2025	Nov	29	(Sat)	06:01	06:24	112	12:11	59S	17:58	248	18:20
2025	Nov	30	(Sun)	06:02	06:24	112	12:11	59S	17:58	248	18:21
2025	Dec	01	(Mon)	06:02	06:25	112	12:12	58S	17:58	248	18:21
2025	Dec	02	(Tue)	06:03	06:25	112	12:12	58S	17:59	248	18:21
2025	Dec	03	(Wed)	06:03	06:26	112	12:12	58S	17:59	248	18:21
2025	Dec	04	(Thu)	06:04	06:26	112	12:13	58S	17:59	247	18:22
2025	Dec	05	(Fri)	06:04	06:27	113	12:13	58S	17:59	247	18:22
2025	Dec	06	(Sat)	06:05	06:27	113	12:14	58S	18:00	247	18:22
2025	Dec	07	(Sun)	06:05	06:28	113	12:14	58S	18:00	247	18:23
2025	Dec	08	(Mon)	06:06	06:28	113	12:14	57S	18:00	247	18:23
2025	Dec	09	(Tue)	06:06	06:29	113	12:15	57S	18:01	247	18:24
2025	Dec	10	(Wed)	06:07	06:29	113	12:15	57S	18:01	247	18:24
2025	Dec	11	(Thu)	06:07	06:30	113	12:16	57S	18:02	247	18:24
2025	Dec	12	(Fri)	06:08	06:30	113	12:16	57S	18:02	247	18:25
2025	Dec	13	(Sat)	06:08	06:31	113	12:17	57S	18:02	247	18:25
2025	Dec	14	(Sun)	06:09	06:32	113	12:17	57S	18:03	247	18:26
2025	Dec	15	(Mon)	06:09	06:32	114	12:18	57S	18:03	246	18:26
2025	Dec	16	(Tue)	06:10	06:33	114	12:18	57S	18:04	246	18:26
2025	Dec	17	(Wed)	06:10	06:33	114	12:19	57S	18:04	246	18:27
2025	Dec	18	(Thu)	06:11	06:34	114	12:19	57S	18:05	246	18:27
2025	Dec	19	(Fri)	06:11	06:34	114	12:20	57S	18:05	246	18:28
2025	Dec	20	(Sat)	06:12	06:35	114	12:20	57S	18:06	246	18:28
2025	Dec	21	(Sun)	06:12	06:35	114	12:21	57S	18:06	246	18:29
2025	Dec	22	(Mon)	06:13	06:36	114	12:21	57S	18:07	246	18:29
2025	Dec	23	(Tue)	06:13	06:36	114	12:22	57S	18:07	246	18:30
2025	Dec	24	(Wed)	06:14	06:37	114	12:22	57S	18:08	246	18:30
2025	Dec	25	(Thu)	06:14	06:37	114	12:23	57S	18:08	246	18:31
2025	Dec	26	(Fri)	06:15	06:38	114	12:23	57S	18:09	246	18:31
2025	Dec	27	(Sat)	06:15	06:38	114	12:24	57S	18:09	246	18:32
2025	Dec	28	(Sun)	06:16	06:38	114	12:24	57S	18:10	246	18:32
2025	Dec	29	(Mon)	06:16	06:39	113	12:25	57S	18:10	247	18:33
2025	Dec	30	(Tue)	06:17	06:39	113	12:25	57S	18:11	247	18:34
2025	Dec	31	(Wed)	06:17	06:40	113	12:25	57S	18:11	247	18:34

Moon

New Location

Location: E 99°22'08.3", N10°28'37.2", 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 °	
2025 Jan 01 (Wed)	07:49	116	13:41	55S	19:34 245
2025 Jan 02 (Thu)	08:40	112	14:35	59S	20:32 250
2025 Jan 03 (Fri)	09:28	107	15:27	64S	21:28 256
2025 Jan 04 (Sat)	10:13	101	16:16	71S	22:21 262
2025 Jan 05 (Sun)	10:55	94	17:03	77S	23:14 269
2025 Jan 06 (Mon)	11:37	87	17:50	85S	
2025 Jan 07 (Tue)	12:20	80	18:38	90N	00:06 276
2025 Jan 08 (Wed)	13:05	74	19:29	84N	01:00 283
2025 Jan 09 (Thu)	13:53	68	20:24	79N	01:57 289
2025 Jan 10 (Fri)	14:47	64	21:22	75N	02:56 294
2025 Jan 11 (Sat)	15:45	62	22:23	73N	03:59 297
2025 Jan 12 (Sun)	16:46	61	23:24	73N	05:01 299
2025 Jan 13 (Mon)	17:47	62			06:02 298
2025 Jan 14 (Tue)	18:46	66	00:23	75N	06:58 296
2025 Jan 15 (Wed)	19:42	70	01:19	78N	07:49 292
2025 Jan 16 (Thu)	20:33	75	02:09	83N	08:34 287
2025 Jan 17 (Fri)	21:20	81	02:55	88N	09:14 282
2025 Jan 18 (Sat)	22:06	87	03:37	88S	09:51 276
2025 Jan 19 (Sun)	22:49	93	04:17	82S	10:27 270
2025 Jan 20 (Mon)	23:33	99	04:57	76S	11:01 264
2025 Jan 21 (Tue)			05:36	70S	11:37 258
2025 Jan 22 (Wed)	00:18	104	06:17	64S	12:14 253
2025 Jan 23 (Thu)	01:05	109	07:00	60S	12:54 249
2025 Jan 24 (Fri)	01:54	114	07:47	56S	13:39 245
2025 Jan 25 (Sat)	02:47	117	08:38	53S	14:28 242

2025	Jan	26	(Sun)	03:43	119	09:33	51S	15:22	241
2025	Jan	27	(Mon)	04:40	119	10:30	51S	16:20	241
2025	Jan	28	(Tue)	05:36	118	11:28	53S	17:20	244
2025	Jan	29	(Wed)	06:30	114	12:24	57S	18:20	248
2025	Jan	30	(Thu)	07:21	109	13:18	62S	19:18	253
2025	Jan	31	(Fri)	08:08	103	14:10	68S	20:14	260
2025	Feb	01	(Sat)	08:52	97	14:59	75S	21:08	267
2025	Feb	02	(Sun)	09:35	89	15:47	82S	22:02	274
2025	Feb	03	(Mon)	10:18	82	16:36	90S	22:56	281
2025	Feb	04	(Tue)	11:03	76	17:26	85N	23:52	288
2025	Feb	05	(Wed)	11:50	70	18:19	80N		
2025	Feb	06	(Thu)	12:42	65	19:16	76N	00:51	293
2025	Feb	07	(Fri)	13:38	62	20:15	73N	01:51	297
2025	Feb	08	(Sat)	14:36	61	21:15	72N	02:53	299
2025	Feb	09	(Sun)	15:37	62	22:14	74N	03:53	299
2025	Feb	10	(Mon)	16:36	64	23:09	76N	04:50	297
2025	Feb	11	(Tue)	17:31	68			05:41	294
2025	Feb	12	(Wed)	18:24	73	00:01	81N	06:28	289
2025	Feb	13	(Thu)	19:13	79	00:48	86N	07:09	284
2025	Feb	14	(Fri)	19:59	85	01:31	90S	07:48	278
2025	Feb	15	(Sat)	20:43	91	02:13	84S	08:24	272
2025	Feb	16	(Sun)	21:27	97	02:52	78S	08:59	266
2025	Feb	17	(Mon)	22:12	102	03:32	72S	09:34	260
2025	Feb	18	(Tue)	22:57	108	04:12	66S	10:11	255
2025	Feb	19	(Wed)	23:46	112	04:54	61S	10:49	250
2025	Feb	20	(Thu)			05:39	57S	11:31	246
2025	Feb	21	(Fri)	00:36	116	06:28	54S	12:18	243
2025	Feb	22	(Sat)	01:30	118	07:20	52S	13:09	241
2025	Feb	23	(Sun)	02:26	119	08:15	51S	14:04	241
2025	Feb	24	(Mon)	03:21	119	09:12	52S	15:03	242
2025	Feb	25	(Tue)	04:16	116	10:08	55S	16:02	246
2025	Feb	26	(Wed)	05:08	112	11:04	59S	17:01	250
2025	Feb	27	(Thu)	05:57	107	11:57	65S	17:59	257
2025	Feb	28	(Fri)	06:43	100	12:48	72S	18:55	264
2025	Mar	01	(Sat)	07:28	93	13:38	79S	19:50	271
2025	Mar	02	(Sun)	08:12	85	14:28	87S	20:46	279
2025	Mar	03	(Mon)	08:58	78	15:19	88N	21:44	285
2025	Mar	04	(Tue)	09:46	72	16:13	81N	22:43	291
2025	Mar	05	(Wed)	10:37	66	17:10	77N	23:45	296
2025	Mar	06	(Thu)	11:33	63	18:09	73N		
2025	Mar	07	(Fri)	12:31	61	19:10	72N	00:47	298
2025	Mar	08	(Sat)	13:31	61	20:09	73N	01:48	299
2025	Mar	09	(Sun)	14:30	63	21:05	75N	02:46	298
2025	Mar	10	(Mon)	15:26	67	21:57	79N	03:38	295
2025	Mar	11	(Tue)	16:19	71	22:44	84N	04:25	291
2025	Mar	12	(Wed)	17:08	77	23:28	89N	05:08	286
2025	Mar	13	(Thu)	17:54	82			05:47	281
2025	Mar	14	(Fri)	18:39	88	00:10	86S	06:23	275
2025	Mar	15	(Sat)	19:23	94	00:50	80S	06:58	269
2025	Mar	16	(Sun)	20:07	100	01:29	74S	07:33	263
2025	Mar	17	(Mon)	20:52	106	02:09	68S	08:09	257
2025	Mar	18	(Tue)	21:40	111	02:50	63S	08:47	252
2025	Mar	19	(Wed)	22:29	115	03:34	59S	09:27	247
2025	Mar	20	(Thu)	23:21	117	04:21	55S	10:12	244
2025	Mar	21	(Fri)			05:11	52S	11:00	242
2025	Mar	22	(Sat)	00:15	119	06:04	51S	11:53	241
2025	Mar	23	(Sun)	01:09	119	06:59	51S	12:49	241
2025	Mar	24	(Mon)	02:03	118	07:54	53S	13:46	244
2025	Mar	25	(Tue)	02:55	114	08:49	57S	14:44	248
2025	Mar	26	(Wed)	03:44	110	09:42	62S	15:41	253
2025	Mar	27	(Thu)	04:31	103	10:33	68S	16:37	260
2025	Mar	28	(Fri)	05:16	97	11:23	75S	17:33	267
2025	Mar	29	(Sat)	06:01	89	12:14	83S	18:29	275
2025	Mar	30	(Sun)	06:47	82	13:06	90S	19:27	282
2025	Mar	31	(Mon)	07:35	74	14:00	84N	20:28	289
2025	Apr	01	(Tue)	08:27	68	14:58	78N	21:31	294
2025	Apr	02	(Wed)	09:23	64	15:58	74N	22:36	298
2025	Apr	03	(Thu)	10:22	61	17:01	72N	23:40	299
2025	Apr	04	(Fri)	11:24	61	18:02	72N		
2025	Apr	05	(Sat)	12:24	62	19:00	74N	00:40	299
2025	Apr	06	(Sun)	13:22	65	19:54	78N	01:35	296
2025	Apr	07	(Mon)	14:15	70	20:43	82N	02:24	293

2025 Apr 08 (Tue)	15:05 75	21:28 88N	03:08 288
2025 Apr 09 (Wed)	15:52 80	22:09 88S	03:47 282
2025 Apr 10 (Thu)	16:37 86	22:49 82S	04:24 277
2025 Apr 11 (Fri)	17:21 92	23:28 76S	04:59 271
2025 Apr 12 (Sat)	18:05 98		05:34 265
2025 Apr 13 (Sun)	18:49 104	00:08 70S	06:09 259
2025 Apr 14 (Mon)	19:36 109	00:49 65S	06:46 254
2025 Apr 15 (Tue)	20:24 113	01:32 60S	07:26 249
2025 Apr 16 (Wed)	21:16 117	02:17 56S	08:09 245
2025 Apr 17 (Thu)	22:09 119	03:06 53S	08:56 242
2025 Apr 18 (Fri)	23:02 119	03:58 51S	09:47 241
2025 Apr 19 (Sat)	23:56 118	04:51 51S	10:41 241
2025 Apr 20 (Sun)		05:45 52S	11:36 243
2025 Apr 21 (Mon)	00:47 116	06:39 55S	12:32 246
2025 Apr 22 (Tue)	01:35 112	07:31 60S	13:28 251
2025 Apr 23 (Wed)	02:22 106	08:21 65S	14:22 257
2025 Apr 24 (Thu)	03:06 100	09:10 72S	15:17 263
2025 Apr 25 (Fri)	03:50 93	09:59 79S	16:11 271
2025 Apr 26 (Sat)	04:34 85	10:49 86S	17:08 278
2025 Apr 27 (Sun)	05:20 78	11:42 88N	18:07 285
2025 Apr 28 (Mon)	06:11 72	12:39 81N	19:10 292
2025 Apr 29 (Tue)	07:06 66	13:40 76N	20:16 296
2025 Apr 30 (Wed)	08:06 62	14:44 73N	21:23 299
2025 May 01 (Thu)	09:09 61	15:48 72N	22:27 299
2025 May 02 (Fri)	10:12 62	16:50 74N	23:27 297
2025 May 03 (Sat)	11:13 64	17:47 77N	
2025 May 04 (Sun)	12:10 68	18:39 81N	00:19 294
2025 May 05 (Mon)	13:02 73	19:26 86N	01:06 289
2025 May 06 (Tue)	13:50 79	20:09 90S	01:47 284
2025 May 07 (Wed)	14:35 85	20:49 84S	02:25 278
2025 May 08 (Thu)	15:19 91	21:28 78S	03:00 272
2025 May 09 (Fri)	16:03 97	22:07 72S	03:35 266
2025 May 10 (Sat)	16:47 102	22:48 67S	04:10 261
2025 May 11 (Sun)	17:33 107	23:30 62S	04:46 255
2025 May 12 (Mon)	18:21 112		05:25 250
2025 May 13 (Tue)	19:11 116	00:15 57S	06:07 246
2025 May 14 (Wed)	20:04 118	01:03 54S	06:53 243
2025 May 15 (Thu)	20:58 119	01:54 52S	07:43 241
2025 May 16 (Fri)	21:51 119	02:47 51S	08:36 241
2025 May 17 (Sat)	22:43 116	03:41 52S	09:31 242
2025 May 18 (Sun)	23:31 113	04:34 54S	10:26 245
2025 May 19 (Mon)		05:25 58S	11:21 249
2025 May 20 (Tue)	00:17 108	06:15 63S	12:14 255
2025 May 21 (Wed)	01:01 102	07:03 69S	13:07 261
2025 May 22 (Thu)	01:43 96	07:50 76S	13:59 268
2025 May 23 (Fri)	02:25 89	08:38 83S	14:53 275
2025 May 24 (Sat)	03:09 82	09:28 90S	15:49 282
2025 May 25 (Sun)	03:56 75	10:21 84N	16:49 289
2025 May 26 (Mon)	04:48 69	11:19 79N	17:53 294
2025 May 27 (Tue)	05:46 64	12:22 75N	19:00 298
2025 May 28 (Wed)	06:48 62	13:27 73N	20:07 299
2025 May 29 (Thu)	07:53 61	14:33 73N	21:11 298
2025 May 30 (Fri)	08:58 63	15:34 75N	22:08 295
2025 May 31 (Sat)	09:58 67	16:30 79N	22:59 291
2025 Jun 01 (Sun)	10:53 71	17:20 84N	23:43 286
2025 Jun 02 (Mon)	11:44 77	18:05 90N	
2025 Jun 03 (Tue)	12:31 83	18:47 86S	00:23 280
2025 Jun 04 (Wed)	13:16 89	19:27 80S	01:00 274
2025 Jun 05 (Thu)	14:00 95	20:06 74S	01:35 268
2025 Jun 06 (Fri)	14:44 100	20:46 68S	02:10 262
2025 Jun 07 (Sat)	15:29 106	21:27 63S	02:46 257
2025 Jun 08 (Sun)	16:17 111	22:11 59S	03:24 252
2025 Jun 09 (Mon)	17:07 114	22:59 55S	04:05 247
2025 Jun 10 (Tue)	17:59 117	23:49 52S	04:50 244
2025 Jun 11 (Wed)	18:53 119		05:39 242
2025 Jun 12 (Thu)	19:47 119	00:42 51S	06:31 241
2025 Jun 13 (Fri)	20:39 117	01:36 52S	07:26 242
2025 Jun 14 (Sat)	21:29 114	02:30 54S	08:22 244
2025 Jun 15 (Sun)	22:16 110	03:22 57S	09:17 248
2025 Jun 16 (Mon)	22:59 104	04:12 62S	10:11 253
2025 Jun 17 (Tue)	23:41 98	05:00 68S	11:03 259
2025 Jun 18 (Wed)		05:46 74S	11:54 266

2025 Jun 19 (Thu)	00:22 91	06:32 81S	12:45 272
2025 Jun 20 (Fri)	01:04 84	07:20 88S	13:39 279
2025 Jun 21 (Sat)	01:48 77	08:10 87N	14:35 286
2025 Jun 22 (Sun)	02:36 71	09:04 81N	15:35 292
2025 Jun 23 (Mon)	03:30 66	10:04 76N	16:40 296
2025 Jun 24 (Tue)	04:29 63	11:07 73N	17:46 299
2025 Jun 25 (Wed)	05:33 61	12:12 72N	18:51 299
2025 Jun 26 (Thu)	06:38 62	13:16 74N	19:52 297
2025 Jun 27 (Fri)	07:41 65	14:15 77N	20:47 293
2025 Jun 28 (Sat)	08:40 69	15:09 82N	21:35 288
2025 Jun 29 (Sun)	09:34 74	15:57 87N	22:18 283
2025 Jun 30 (Mon)	10:24 80	16:41 88S	22:56 277
2025 Jul 01 (Tue)	11:10 87	17:23 82S	23:33 270
2025 Jul 02 (Wed)	11:55 93	18:03 76S	
2025 Jul 03 (Thu)	12:40 99	18:43 70S	00:08 264
2025 Jul 04 (Fri)	13:24 104	19:24 65S	00:44 259
2025 Jul 05 (Sat)	14:11 109	20:07 60S	01:21 253
2025 Jul 06 (Sun)	15:00 113	20:53 56S	02:01 249
2025 Jul 07 (Mon)	15:51 116	21:42 53S	02:45 245
2025 Jul 08 (Tue)	16:45 118	22:35 51S	03:32 242
2025 Jul 09 (Wed)	17:40 119	23:29 51S	04:24 241
2025 Jul 10 (Thu)	18:33 118		05:19 241
2025 Jul 11 (Fri)	19:25 115	00:24 53S	06:15 243
2025 Jul 12 (Sat)	20:13 111	01:17 56S	07:11 247
2025 Jul 13 (Sun)	20:58 106	02:09 60S	08:06 251
2025 Jul 14 (Mon)	21:41 100	02:58 66S	08:59 257
2025 Jul 15 (Tue)	22:22 93	03:45 72S	09:51 264
2025 Jul 16 (Wed)	23:03 86	04:31 79S	10:42 271
2025 Jul 17 (Thu)	23:46 79	05:17 86S	11:34 278
2025 Jul 18 (Fri)		06:06 89N	12:29 284
2025 Jul 19 (Sat)	00:31 73	06:57 83N	13:26 290
2025 Jul 20 (Sun)	01:22 67	07:53 78N	14:27 295
2025 Jul 21 (Mon)	02:17 63	08:53 74N	15:31 298
2025 Jul 22 (Tue)	03:17 61	09:56 72N	16:36 299
2025 Jul 23 (Wed)	04:21 61	11:00 73N	17:37 298
2025 Jul 24 (Thu)	05:24 63	12:00 75N	18:34 295
2025 Jul 25 (Fri)	06:25 67	12:56 80N	19:25 291
2025 Jul 26 (Sat)	07:21 72	13:47 85N	20:10 285
2025 Jul 27 (Sun)	08:14 78	14:34 91N	20:51 279
2025 Jul 28 (Mon)	09:02 84	15:17 85S	21:29 273
2025 Jul 29 (Tue)	09:48 90	15:58 78S	22:05 267
2025 Jul 30 (Wed)	10:33 96	16:38 72S	22:41 261
2025 Jul 31 (Thu)	11:18 102	17:19 67S	23:18 255
2025 Aug 01 (Fri)	12:04 107	18:01 62S	23:57 250
2025 Aug 02 (Sat)	12:52 112	18:46 57S	
2025 Aug 03 (Sun)	13:43 115	19:34 54S	00:38 246
2025 Aug 04 (Mon)	14:35 118	20:25 52S	01:24 243
2025 Aug 05 (Tue)	15:29 119	21:18 51S	02:14 241
2025 Aug 06 (Wed)	16:24 119	22:13 52S	03:08 241
2025 Aug 07 (Thu)	17:16 116	23:08 54S	04:04 242
2025 Aug 08 (Fri)	18:06 113		05:01 245
2025 Aug 09 (Sat)	18:54 108	00:01 58S	05:57 249
2025 Aug 10 (Sun)	19:38 102	00:52 64S	06:52 255
2025 Aug 11 (Mon)	20:20 95	01:40 70S	07:45 261
2025 Aug 12 (Tue)	21:02 88	02:28 77S	08:38 268
2025 Aug 13 (Wed)	21:45 81	03:15 84S	09:30 276
2025 Aug 14 (Thu)	22:30 75	04:03 91N	10:24 282
2025 Aug 15 (Fri)	23:18 69	04:54 84N	11:21 289
2025 Aug 16 (Sat)		05:48 79N	12:21 294
2025 Aug 17 (Sun)	00:12 64	06:46 75N	13:23 297
2025 Aug 18 (Mon)	01:09 62	07:48 73N	14:26 299
2025 Aug 19 (Tue)	02:11 61	08:50 72N	15:28 299
2025 Aug 20 (Wed)	03:13 62	09:50 74N	16:25 296
2025 Aug 21 (Thu)	04:14 65	10:47 78N	17:17 293
2025 Aug 22 (Fri)	05:11 70	11:39 82N	18:04 287
2025 Aug 23 (Sat)	06:04 75	12:26 88N	18:46 282
2025 Aug 24 (Sun)	06:54 81	13:10 87S	19:25 276
2025 Aug 25 (Mon)	07:41 88	13:52 81S	20:02 269
2025 Aug 26 (Tue)	08:26 94	14:33 75S	20:38 263
2025 Aug 27 (Wed)	09:12 100	15:14 69S	21:14 257
2025 Aug 28 (Thu)	09:57 105	15:56 64S	21:52 252
2025 Aug 29 (Fri)	10:45 110	16:40 59S	22:33 248

2025 Aug 30 (Sat)	11:34 114	17:26 55S	23:17 244
2025 Aug 31 (Sun)	12:25 117	18:15 52S	
2025 Sep 01 (Mon)	13:18 119	19:07 51S	00:05 242
2025 Sep 02 (Tue)	14:12 119	20:01 51S	00:56 241
2025 Sep 03 (Wed)	15:05 118	20:55 53S	01:51 241
2025 Sep 04 (Thu)	15:56 115	21:49 56S	02:47 244
2025 Sep 05 (Fri)	16:44 110	22:41 61S	03:43 247
2025 Sep 06 (Sat)	17:30 105	23:31 67S	04:39 252
2025 Sep 07 (Sun)	18:14 98		05:33 258
2025 Sep 08 (Mon)	18:57 91	00:19 74S	06:27 265
2025 Sep 09 (Tue)	19:40 84	01:08 81S	07:21 273
2025 Sep 10 (Wed)	20:26 77	01:57 88S	08:16 280
2025 Sep 11 (Thu)	21:14 71	02:48 86N	09:14 287
2025 Sep 12 (Fri)	22:07 66	03:43 80N	10:14 292
2025 Sep 13 (Sat)	23:04 62	04:41 76N	11:16 296
2025 Sep 14 (Sun)		05:42 73N	12:20 299
2025 Sep 15 (Mon)	00:05 61	06:44 72N	13:22 299
2025 Sep 16 (Tue)	01:07 62	07:44 73N	14:21 297
2025 Sep 17 (Wed)	02:07 64	08:41 76N	15:13 294
2025 Sep 18 (Thu)	03:04 68	09:34 81N	16:01 289
2025 Sep 19 (Fri)	03:58 73	10:22 86N	16:44 284
2025 Sep 20 (Sat)	04:48 79	11:07 90S	17:23 278
2025 Sep 21 (Sun)	05:35 85	11:49 83S	18:00 272
2025 Sep 22 (Mon)	06:21 91	12:30 77S	18:36 266
2025 Sep 23 (Tue)	07:06 98	13:10 71S	19:12 260
2025 Sep 24 (Wed)	07:52 103	13:52 66S	19:50 254
2025 Sep 25 (Thu)	08:38 108	14:35 61S	20:29 249
2025 Sep 26 (Fri)	09:27 113	15:20 56S	21:12 245
2025 Sep 27 (Sat)	10:17 116	16:08 53S	21:58 243
2025 Sep 28 (Sun)	11:09 118	16:59 52S	22:47 241
2025 Sep 29 (Mon)	12:02 119	17:51 51S	23:40 241
2025 Sep 30 (Tue)	12:54 118	18:44 52S	
2025 Oct 01 (Wed)	13:45 116	19:37 55S	00:34 242
2025 Oct 02 (Thu)	14:34 113	20:28 59S	01:29 245
2025 Oct 03 (Fri)	15:20 108	21:18 64S	02:24 250
2025 Oct 04 (Sat)	16:04 101	22:07 70S	03:18 255
2025 Oct 05 (Sun)	16:47 95	22:55 77S	04:12 262
2025 Oct 06 (Mon)	17:30 87	23:44 85S	05:06 269
2025 Oct 07 (Tue)	18:16 80		06:01 276
2025 Oct 08 (Wed)	19:04 73	00:36 90N	06:59 284
2025 Oct 09 (Thu)	19:57 68	01:30 83N	08:00 290
2025 Oct 10 (Fri)	20:55 63	02:29 78N	09:04 295
2025 Oct 11 (Sat)	21:56 61	03:31 74N	10:10 298
2025 Oct 12 (Sun)	22:59 61	04:35 72N	11:15 299
2025 Oct 13 (Mon)		05:38 73N	12:15 298
2025 Oct 14 (Tue)	00:02 63	06:37 75N	13:11 295
2025 Oct 15 (Wed)	01:00 67	07:31 79N	14:00 291
2025 Oct 16 (Thu)	01:55 72	08:20 84N	14:43 286
2025 Oct 17 (Fri)	02:45 77	09:05 90N	15:23 280
2025 Oct 18 (Sat)	03:33 83	09:48 85S	16:00 274
2025 Oct 19 (Sun)	04:18 89	10:28 79S	16:36 268
2025 Oct 20 (Mon)	05:03 95	11:09 73S	17:12 262
2025 Oct 21 (Tue)	05:48 101	11:49 67S	17:49 256
2025 Oct 22 (Wed)	06:34 107	12:32 62S	18:27 251
2025 Oct 23 (Thu)	07:22 111	13:16 58S	19:09 247
2025 Oct 24 (Fri)	08:12 115	14:03 54S	19:54 244
2025 Oct 25 (Sat)	09:03 118	14:53 52S	20:42 242
2025 Oct 26 (Sun)	09:55 119	15:44 51S	21:33 241
2025 Oct 27 (Mon)	10:47 119	16:36 52S	22:26 242
2025 Oct 28 (Tue)	11:38 117	17:28 54S	23:20 244
2025 Oct 29 (Wed)	12:26 114	18:19 57S	
2025 Oct 30 (Thu)	13:11 110	19:08 62S	00:13 248
2025 Oct 31 (Fri)	13:55 104	19:55 67S	01:06 253
2025 Nov 01 (Sat)	14:37 98	20:42 74S	01:58 259
2025 Nov 02 (Sun)	15:19 91	21:30 81S	02:50 265
2025 Nov 03 (Mon)	16:03 84	22:19 88S	03:43 273
2025 Nov 04 (Tue)	16:49 77	23:12 86N	04:39 280
2025 Nov 05 (Wed)	17:40 70		05:38 287
2025 Nov 06 (Thu)	18:37 65	00:10 80N	06:42 292
2025 Nov 07 (Fri)	19:39 62	01:12 76N	07:49 297
2025 Nov 08 (Sat)	20:45 61	02:18 73N	08:58 299
2025 Nov 09 (Sun)	21:50 62	03:24 73N	10:03 298

2025 Nov 10 (Mon)	22:52 66	04:27 74N	11:03 296
2025 Nov 11 (Tue)	23:49 70	05:25 78N	11:55 292
2025 Nov 12 (Wed)		06:17 83N	12:42 287
2025 Nov 13 (Thu)	00:42 76	07:04 88N	13:23 281
2025 Nov 14 (Fri)	01:31 81	07:47 87S	14:01 275
2025 Nov 15 (Sat)	02:17 88	08:28 81S	14:37 269
2025 Nov 16 (Sun)	03:01 94	09:08 75S	15:13 263
2025 Nov 17 (Mon)	03:46 100	09:49 69S	15:49 258
2025 Nov 18 (Tue)	04:31 105	10:30 64S	16:27 253
2025 Nov 19 (Wed)	05:18 110	11:14 59S	17:08 248
2025 Nov 20 (Thu)	06:08 114	12:00 56S	17:51 245
2025 Nov 21 (Fri)	06:59 117	12:49 53S	18:38 242
2025 Nov 22 (Sat)	07:51 118	13:40 52S	19:29 241
2025 Nov 23 (Sun)	08:43 119	14:32 52S	20:21 242
2025 Nov 24 (Mon)	09:34 118	15:24 53S	21:15 243
2025 Nov 25 (Tue)	10:22 115	16:14 56S	22:07 247
2025 Nov 26 (Wed)	11:08 111	17:02 60S	22:59 251
2025 Nov 27 (Thu)	11:50 106	17:49 65S	23:50 257
2025 Nov 28 (Fri)	12:32 100	18:34 71S	
2025 Nov 29 (Sat)	13:12 94	19:20 78S	00:40 263
2025 Nov 30 (Sun)	13:53 87	20:07 85S	01:30 269
2025 Dec 01 (Mon)	14:36 80	20:56 90N	02:23 276
2025 Dec 02 (Tue)	15:24 74	21:50 83N	03:18 283
2025 Dec 03 (Wed)	16:17 68	22:49 78N	04:19 290
2025 Dec 04 (Thu)	17:16 64	23:53 74N	05:24 295
2025 Dec 05 (Fri)	18:21 61		06:32 298
2025 Dec 06 (Sat)	19:29 62	01:01 73N	07:41 299
2025 Dec 07 (Sun)	20:35 64	02:08 73N	08:46 297
2025 Dec 08 (Mon)	21:37 68	03:10 76N	09:44 294
2025 Dec 09 (Tue)	22:33 74	04:07 81N	10:34 289
2025 Dec 10 (Wed)	23:25 79	04:58 86N	11:19 283
2025 Dec 11 (Thu)		05:43 89S	11:59 277
2025 Dec 12 (Fri)	00:13 86	06:26 83S	12:37 271
2025 Dec 13 (Sat)	00:59 92	07:07 77S	13:13 265
2025 Dec 14 (Sun)	01:44 98	07:47 71S	13:49 259
2025 Dec 15 (Mon)	02:29 103	08:29 65S	14:26 254
2025 Dec 16 (Tue)	03:15 108	09:11 61S	15:06 249
2025 Dec 17 (Wed)	04:04 113	09:57 57S	15:49 246
2025 Dec 18 (Thu)	04:54 116	10:45 54S	16:35 243
2025 Dec 19 (Fri)	05:46 118	11:35 52S	17:25 241
2025 Dec 20 (Sat)	06:39 119	12:28 51S	18:17 241
2025 Dec 21 (Sun)	07:30 118	13:20 53S	19:10 243
2025 Dec 22 (Mon)	08:20 116	14:11 55S	20:04 246
2025 Dec 23 (Tue)	09:06 112	15:00 59S	20:56 250
2025 Dec 24 (Wed)	09:50 108	15:47 64S	21:47 255
2025 Dec 25 (Thu)	10:31 102	16:32 69S	22:36 261
2025 Dec 26 (Fri)	11:10 96	17:17 76S	23:25 267
2025 Dec 27 (Sat)	11:50 89	18:01 82S	
2025 Dec 28 (Sun)	12:31 83	18:48 89S	00:15 274
2025 Dec 29 (Mon)	13:14 76	19:37 86N	01:07 281
2025 Dec 30 (Tue)	14:03 70	20:32 80N	02:03 287
2025 Dec 31 (Wed)	14:57 65	21:32 76N	03:03 292