

Sun

Tak
Location: E 99°04'30.0", N16°51'57.5", 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)	06:02	06:53	114	12:27 51S	18:02 246		18:52
2025	Jan	02 (Thu)	06:03	06:53	114	12:28 51S	18:02 246		18:53
2025	Jan	03 (Fri)	06:03	06:54	114	12:28 51S	18:03 246		18:53
2025	Jan	04 (Sat)	06:04	06:54	114	12:29 51S	18:03 247		18:54
2025	Jan	05 (Sun)	06:04	06:54	113	12:29 51S	18:04 247		18:54
2025	Jan	06 (Mon)	06:04	06:54	113	12:30 51S	18:05 247		18:55
2025	Jan	07 (Tue)	06:05	06:55	113	12:30 52S	18:05 247		18:55
2025	Jan	08 (Wed)	06:05	06:55	113	12:30 52S	18:06 247		18:56
2025	Jan	09 (Thu)	06:05	06:55	113	12:31 52S	18:07 247		18:57
2025	Jan	10 (Fri)	06:05	06:55	113	12:31 52S	18:07 247		18:57
2025	Jan	11 (Sat)	06:06	06:56	113	12:32 52S	18:08 248		18:58
2025	Jan	12 (Sun)	06:06	06:56	112	12:32 52S	18:08 248		18:58
2025	Jan	13 (Mon)	06:06	06:56	112	12:32 52S	18:09 248		18:59
2025	Jan	14 (Tue)	06:06	06:56	112	12:33 53S	18:10 248		18:59
2025	Jan	15 (Wed)	06:06	06:56	112	12:33 53S	18:10 248		19:00
2025	Jan	16 (Thu)	06:07	06:56	112	12:33 53S	18:11 248		19:00
2025	Jan	17 (Fri)	06:07	06:56	111	12:34 53S	18:11 249		19:01
2025	Jan	18 (Sat)	06:07	06:56	111	12:34 53S	18:12 249		19:01
2025	Jan	19 (Sun)	06:07	06:56	111	12:34 54S	18:13 249		19:02
2025	Jan	20 (Mon)	06:07	06:56	111	12:35 54S	18:13 249		19:03
2025	Jan	21 (Tue)	06:07	06:56	111	12:35 54S	18:14 250		19:03
2025	Jan	22 (Wed)	06:07	06:56	110	12:35 54S	18:14 250		19:04
2025	Jan	23 (Thu)	06:07	06:56	110	12:36 54S	18:15 250		19:04
2025	Jan	24 (Fri)	06:07	06:56	110	12:36 55S	18:15 250		19:05
2025	Jan	25 (Sat)	06:07	06:56	110	12:36 55S	18:16 251		19:05
2025	Jan	26 (Sun)	06:07	06:56	109	12:36 55S	18:17 251		19:06
2025	Jan	27 (Mon)	06:07	06:56	109	12:36 55S	18:17 251		19:06
2025	Jan	28 (Tue)	06:07	06:56	109	12:37 56S	18:18 251		19:06
2025	Jan	29 (Wed)	06:07	06:56	108	12:37 56S	18:18 252		19:07
2025	Jan	30 (Thu)	06:07	06:55	108	12:37 56S	18:19 252		19:07
2025	Jan	31 (Fri)	06:07	06:55	108	12:37 57S	18:19 252		19:08
2025	Feb	01 (Sat)	06:06	06:55	108	12:37 57S	18:20 253		19:08
2025	Feb	02 (Sun)	06:06	06:55	107	12:37 57S	18:20 253		19:09
2025	Feb	03 (Mon)	06:06	06:54	107	12:37 57S	18:21 253		19:09
2025	Feb	04 (Tue)	06:06	06:54	107	12:38 58S	18:21 253		19:10
2025	Feb	05 (Wed)	06:06	06:54	106	12:38 58S	18:22 254		19:10
2025	Feb	06 (Thu)	06:05	06:54	106	12:38 58S	18:22 254		19:10
2025	Feb	07 (Fri)	06:05	06:53	106	12:38 59S	18:23 254		19:11
2025	Feb	08 (Sat)	06:05	06:53	105	12:38 59S	18:23 255		19:11
2025	Feb	09 (Sun)	06:04	06:52	105	12:38 59S	18:23 255		19:11
2025	Feb	10 (Mon)	06:04	06:52	105	12:38 60S	18:24 255		19:12
2025	Feb	11 (Tue)	06:04	06:52	104	12:38 60S	18:24 256		19:12
2025	Feb	12 (Wed)	06:03	06:51	104	12:38 60S	18:25 256		19:13
2025	Feb	13 (Thu)	06:03	06:51	104	12:38 61S	18:25 256		19:13
2025	Feb	14 (Fri)	06:03	06:50	103	12:38 61S	18:26 257		19:13
2025	Feb	15 (Sat)	06:02	06:50	103	12:38 61S	18:26 257		19:14
2025	Feb	16 (Sun)	06:02	06:49	103	12:38 62S	18:26 258		19:14
2025	Feb	17 (Mon)	06:01	06:49	102	12:38 62S	18:27 258		19:14
2025	Feb	18 (Tue)	06:01	06:48	102	12:38 62S	18:27 258		19:14
2025	Feb	19 (Wed)	06:00	06:48	102	12:37 63S	18:27 259		19:15
2025	Feb	20 (Thu)	06:00	06:47	101	12:37 63S	18:28 259		19:15
2025	Feb	21 (Fri)	05:59	06:47	101	12:37 63S	18:28 259		19:15
2025	Feb	22 (Sat)	05:59	06:46	100	12:37 64S	18:28 260		19:16
2025	Feb	23 (Sun)	05:58	06:46	100	12:37 64S	18:29 260		19:16
2025	Feb	24 (Mon)	05:58	06:45	100	12:37 64S	18:29 261		19:16
2025	Feb	25 (Tue)	05:57	06:44	99	12:37 65S	18:29 261		19:16
2025	Feb	26 (Wed)	05:57	06:44	99	12:37 65S	18:30 261		19:17
2025	Feb	27 (Thu)	05:56	06:43	98	12:36 66S	18:30 262		19:17
2025	Feb	28 (Fri)	05:55	06:42	98	12:36 66S	18:30 262		19:17
2025	Mar	01 (Sat)	05:55	06:42	98	12:36 66S	18:30 263		19:17

2025	Mar	02	(Sun)	05:54	06:41	97	12:36	67S	18:31	263	19:18
2025	Mar	03	(Mon)	05:54	06:40	97	12:36	67S	18:31	263	19:18
2025	Mar	04	(Tue)	05:53	06:40	96	12:35	68S	18:31	264	19:18
2025	Mar	05	(Wed)	05:52	06:39	96	12:35	68S	18:31	264	19:18
2025	Mar	06	(Thu)	05:52	06:38	96	12:35	68S	18:32	265	19:19
2025	Mar	07	(Fri)	05:51	06:38	95	12:35	69S	18:32	265	19:19
2025	Mar	08	(Sat)	05:50	06:37	95	12:34	69S	18:32	265	19:19
2025	Mar	09	(Sun)	05:50	06:36	94	12:34	69S	18:32	266	19:19
2025	Mar	10	(Mon)	05:49	06:36	94	12:34	70S	18:33	266	19:19
2025	Mar	11	(Tue)	05:48	06:35	94	12:34	70S	18:33	267	19:20
2025	Mar	12	(Wed)	05:47	06:34	93	12:33	71S	18:33	267	19:20
2025	Mar	13	(Thu)	05:47	06:33	93	12:33	71S	18:33	267	19:20
2025	Mar	14	(Fri)	05:46	06:33	92	12:33	71S	18:33	268	19:20
2025	Mar	15	(Sat)	05:45	06:32	92	12:33	72S	18:34	268	19:20
2025	Mar	16	(Sun)	05:44	06:31	92	12:32	72S	18:34	269	19:21
2025	Mar	17	(Mon)	05:44	06:30	91	12:32	73S	18:34	269	19:21
2025	Mar	18	(Tue)	05:43	06:29	91	12:32	73S	18:34	269	19:21
2025	Mar	19	(Wed)	05:42	06:29	90	12:31	73S	18:34	270	19:21
2025	Mar	20	(Thu)	05:41	06:28	90	12:31	74S	18:35	270	19:21
2025	Mar	21	(Fri)	05:40	06:27	89	12:31	74S	18:35	271	19:22
2025	Mar	22	(Sat)	05:40	06:26	89	12:31	75S	18:35	271	19:22
2025	Mar	23	(Sun)	05:39	06:26	89	12:30	75S	18:35	272	19:22
2025	Mar	24	(Mon)	05:38	06:25	88	12:30	75S	18:35	272	19:22
2025	Mar	25	(Tue)	05:37	06:24	88	12:30	76S	18:35	272	19:22
2025	Mar	26	(Wed)	05:36	06:23	87	12:29	76S	18:36	273	19:23
2025	Mar	27	(Thu)	05:36	06:22	87	12:29	77S	18:36	273	19:23
2025	Mar	28	(Fri)	05:35	06:22	87	12:29	77S	18:36	274	19:23
2025	Mar	29	(Sat)	05:34	06:21	86	12:28	77S	18:36	274	19:23
2025	Mar	30	(Sun)	05:33	06:20	86	12:28	78S	18:36	274	19:23
2025	Mar	31	(Mon)	05:32	06:19	85	12:28	78S	18:37	275	19:24
2025	Apr	01	(Tue)	05:32	06:19	85	12:28	78S	18:37	275	19:24
2025	Apr	02	(Wed)	05:31	06:18	85	12:27	79S	18:37	276	19:24
2025	Apr	03	(Thu)	05:30	06:17	84	12:27	79S	18:37	276	19:24
2025	Apr	04	(Fri)	05:29	06:16	84	12:27	80S	18:37	276	19:24
2025	Apr	05	(Sat)	05:28	06:16	83	12:26	80S	18:37	277	19:25
2025	Apr	06	(Sun)	05:28	06:15	83	12:26	80S	18:38	277	19:25
2025	Apr	07	(Mon)	05:27	06:14	83	12:26	81S	18:38	278	19:25
2025	Apr	08	(Tue)	05:26	06:13	82	12:26	81S	18:38	278	19:25
2025	Apr	09	(Wed)	05:25	06:13	82	12:25	82S	18:38	278	19:26
2025	Apr	10	(Thu)	05:24	06:12	81	12:25	82S	18:38	279	19:26
2025	Apr	11	(Fri)	05:24	06:11	81	12:25	82S	18:39	279	19:26
2025	Apr	12	(Sat)	05:23	06:10	81	12:24	83S	18:39	280	19:26
2025	Apr	13	(Sun)	05:22	06:10	80	12:24	83S	18:39	280	19:27
2025	Apr	14	(Mon)	05:21	06:09	80	12:24	83S	18:39	280	19:27
2025	Apr	15	(Tue)	05:21	06:08	80	12:24	84S	18:39	281	19:27
2025	Apr	16	(Wed)	05:20	06:08	79	12:23	84S	18:40	281	19:27
2025	Apr	17	(Thu)	05:19	06:07	79	12:23	84S	18:40	281	19:28
2025	Apr	18	(Fri)	05:18	06:06	78	12:23	85S	18:40	282	19:28
2025	Apr	19	(Sat)	05:18	06:06	78	12:23	85S	18:40	282	19:28
2025	Apr	20	(Sun)	05:17	06:05	78	12:23	85S	18:40	282	19:29
2025	Apr	21	(Mon)	05:16	06:04	77	12:22	86S	18:41	283	19:29
2025	Apr	22	(Tue)	05:15	06:04	77	12:22	86S	18:41	283	19:29
2025	Apr	23	(Wed)	05:15	06:03	77	12:22	86S	18:41	284	19:30
2025	Apr	24	(Thu)	05:14	06:02	76	12:22	87S	18:41	284	19:30
2025	Apr	25	(Fri)	05:13	06:02	76	12:22	87S	18:42	284	19:30
2025	Apr	26	(Sat)	05:13	06:01	76	12:21	87S	18:42	285	19:31
2025	Apr	27	(Sun)	05:12	06:01	75	12:21	88S	18:42	285	19:31
2025	Apr	28	(Mon)	05:11	06:00	75	12:21	88S	18:42	285	19:31
2025	Apr	29	(Tue)	05:11	06:00	75	12:21	88S	18:43	286	19:32
2025	Apr	30	(Wed)	05:10	05:59	74	12:21	89S	18:43	286	19:32
2025	May	01	(Thu)	05:09	05:58	74	12:21	89S	18:43	286	19:32
2025	May	02	(Fri)	05:09	05:58	74	12:21	89S	18:44	287	19:33
2025	May	03	(Sat)	05:08	05:57	73	12:21	90S	18:44	287	19:33
2025	May	04	(Sun)	05:08	05:57	73	12:20	90S	18:44	287	19:34
2025	May	05	(Mon)	05:07	05:57	73	12:20	90S	18:44	287	19:34
2025	May	06	(Tue)	05:07	05:56	72	12:20	90S	18:45	288	19:34
2025	May	07	(Wed)	05:06	05:56	72	12:20	91N	18:45	288	19:35
2025	May	08	(Thu)	05:05	05:55	72	12:20	90N	18:45	288	19:35
2025	May	09	(Fri)	05:05	05:55	72	12:20	90N	18:46	289	19:36
2025	May	10	(Sat)	05:04	05:54	71	12:20	90N	18:46	289	19:36
2025	May	11	(Sun)	05:04	05:54	71	12:20	90N	18:46	289	19:36
2025	May	12	(Mon)	05:04	05:54	71	12:20	89N	18:47	289	19:37

2025	May	13	(Tue)	05:03	05:53	70	12:20	89N	18:47	290	19:37
2025	May	14	(Wed)	05:03	05:53	70	12:20	89N	18:47	290	19:38
2025	May	15	(Thu)	05:02	05:53	70	12:20	89N	18:48	290	19:38
2025	May	16	(Fri)	05:02	05:52	70	12:20	88N	18:48	290	19:39
2025	May	17	(Sat)	05:01	05:52	69	12:20	88N	18:48	291	19:39
2025	May	18	(Sun)	05:01	05:52	69	12:20	88N	18:49	291	19:39
2025	May	19	(Mon)	05:01	05:51	69	12:20	88N	18:49	291	19:40
2025	May	20	(Tue)	05:00	05:51	69	12:20	88N	18:49	291	19:40
2025	May	21	(Wed)	05:00	05:51	69	12:20	87N	18:50	292	19:41
2025	May	22	(Thu)	05:00	05:51	68	12:20	87N	18:50	292	19:41
2025	May	23	(Fri)	04:59	05:51	68	12:20	87N	18:50	292	19:42
2025	May	24	(Sat)	04:59	05:50	68	12:21	87N	18:51	292	19:42
2025	May	25	(Sun)	04:59	05:50	68	12:21	87N	18:51	292	19:42
2025	May	26	(Mon)	04:59	05:50	68	12:21	86N	18:52	292	19:43
2025	May	27	(Tue)	04:59	05:50	67	12:21	86N	18:52	293	19:43
2025	May	28	(Wed)	04:58	05:50	67	12:21	86N	18:52	293	19:44
2025	May	29	(Thu)	04:58	05:50	67	12:21	86N	18:53	293	19:44
2025	May	30	(Fri)	04:58	05:50	67	12:21	86N	18:53	293	19:45
2025	May	31	(Sat)	04:58	05:50	67	12:21	86N	18:53	293	19:45
2025	Jun	01	(Sun)	04:58	05:50	67	12:22	85N	18:54	293	19:45
2025	Jun	02	(Mon)	04:58	05:50	66	12:22	85N	18:54	294	19:46
2025	Jun	03	(Tue)	04:58	05:49	66	12:22	85N	18:54	294	19:46
2025	Jun	04	(Wed)	04:58	05:49	66	12:22	85N	18:55	294	19:47
2025	Jun	05	(Thu)	04:58	05:49	66	12:22	85N	18:55	294	19:47
2025	Jun	06	(Fri)	04:57	05:50	66	12:22	85N	18:55	294	19:47
2025	Jun	07	(Sat)	04:57	05:50	66	12:23	85N	18:56	294	19:48
2025	Jun	08	(Sun)	04:57	05:50	66	12:23	85N	18:56	294	19:48
2025	Jun	09	(Mon)	04:58	05:50	66	12:23	85N	18:56	294	19:49
2025	Jun	10	(Tue)	04:58	05:50	66	12:23	85N	18:57	294	19:49
2025	Jun	11	(Wed)	04:58	05:50	66	12:23	84N	18:57	295	19:49
2025	Jun	12	(Thu)	04:58	05:50	65	12:24	84N	18:57	295	19:50
2025	Jun	13	(Fri)	04:58	05:50	65	12:24	84N	18:58	295	19:50
2025	Jun	14	(Sat)	04:58	05:50	65	12:24	84N	18:58	295	19:50
2025	Jun	15	(Sun)	04:58	05:50	65	12:24	84N	18:58	295	19:50
2025	Jun	16	(Mon)	04:58	05:50	65	12:24	84N	18:58	295	19:51
2025	Jun	17	(Tue)	04:58	05:51	65	12:25	84N	18:59	295	19:51
2025	Jun	18	(Wed)	04:58	05:51	65	12:25	84N	18:59	295	19:51
2025	Jun	19	(Thu)	04:59	05:51	65	12:25	84N	18:59	295	19:52
2025	Jun	20	(Fri)	04:59	05:51	65	12:25	84N	18:59	295	19:52
2025	Jun	21	(Sat)	04:59	05:51	65	12:26	84N	19:00	295	19:52
2025	Jun	22	(Sun)	04:59	05:52	65	12:26	84N	19:00	295	19:52
2025	Jun	23	(Mon)	04:59	05:52	65	12:26	84N	19:00	295	19:52
2025	Jun	24	(Tue)	05:00	05:52	65	12:26	84N	19:00	295	19:53
2025	Jun	25	(Wed)	05:00	05:52	65	12:26	84N	19:00	295	19:53
2025	Jun	26	(Thu)	05:00	05:53	65	12:27	84N	19:01	295	19:53
2025	Jun	27	(Fri)	05:01	05:53	65	12:27	84N	19:01	295	19:53
2025	Jun	28	(Sat)	05:01	05:53	65	12:27	84N	19:01	295	19:53
2025	Jun	29	(Sun)	05:01	05:53	65	12:27	84N	19:01	295	19:53
2025	Jun	30	(Mon)	05:01	05:54	65	12:27	84N	19:01	295	19:53
2025	Jul	01	(Tue)	05:02	05:54	66	12:28	84N	19:01	294	19:53
2025	Jul	02	(Wed)	05:02	05:54	66	12:28	85N	19:01	294	19:53
2025	Jul	03	(Thu)	05:02	05:55	66	12:28	85N	19:01	294	19:53
2025	Jul	04	(Fri)	05:03	05:55	66	12:28	85N	19:01	294	19:53
2025	Jul	05	(Sat)	05:03	05:55	66	12:28	85N	19:01	294	19:53
2025	Jul	06	(Sun)	05:04	05:56	66	12:29	85N	19:01	294	19:53
2025	Jul	07	(Mon)	05:04	05:56	66	12:29	85N	19:01	294	19:53
2025	Jul	08	(Tue)	05:04	05:56	66	12:29	85N	19:01	294	19:53
2025	Jul	09	(Wed)	05:05	05:57	66	12:29	85N	19:01	294	19:53
2025	Jul	10	(Thu)	05:05	05:57	66	12:29	85N	19:01	293	19:53
2025	Jul	11	(Fri)	05:05	05:57	67	12:29	86N	19:01	293	19:53
2025	Jul	12	(Sat)	05:06	05:57	67	12:29	86N	19:01	293	19:53
2025	Jul	13	(Sun)	05:06	05:58	67	12:29	86N	19:01	293	19:53
2025	Jul	14	(Mon)	05:07	05:58	67	12:30	86N	19:01	293	19:52
2025	Jul	15	(Tue)	05:07	05:58	67	12:30	86N	19:01	293	19:52
2025	Jul	16	(Wed)	05:07	05:59	67	12:30	86N	19:01	293	19:52
2025	Jul	17	(Thu)	05:08	05:59	68	12:30	86N	19:01	292	19:52
2025	Jul	18	(Fri)	05:08	05:59	68	12:30	87N	19:00	292	19:52
2025	Jul	19	(Sat)	05:09	06:00	68	12:30	87N	19:00	292	19:51
2025	Jul	20	(Sun)	05:09	06:00	68	12:30	87N	19:00	292	19:51
2025	Jul	21	(Mon)	05:09	06:00	68	12:30	87N	19:00	292	19:51
2025	Jul	22	(Tue)	05:10	06:01	69	12:30	87N	18:59	291	19:50
2025	Jul	23	(Wed)	05:10	06:01	69	12:30	88N	18:59	291	19:50

2025	Jul	24	(Thu)	05:11	06:01	69	12:30	88N	18:59	291	19:50
2025	Jul	25	(Fri)	05:11	06:02	69	12:30	88N	18:59	291	19:49
2025	Jul	26	(Sat)	05:11	06:02	69	12:30	88N	18:58	290	19:49
2025	Jul	27	(Sun)	05:12	06:02	70	12:30	88N	18:58	290	19:48
2025	Jul	28	(Mon)	05:12	06:03	70	12:30	89N	18:58	290	19:48
2025	Jul	29	(Tue)	05:13	06:03	70	12:30	89N	18:57	290	19:48
2025	Jul	30	(Wed)	05:13	06:03	70	12:30	89N	18:57	289	19:47
2025	Jul	31	(Thu)	05:13	06:04	71	12:30	89N	18:57	289	19:47
2025	Aug	01	(Fri)	05:14	06:04	71	12:30	90N	18:56	289	19:46
2025	Aug	02	(Sat)	05:14	06:04	71	12:30	90N	18:56	289	19:46
2025	Aug	03	(Sun)	05:14	06:04	71	12:30	90N	18:55	288	19:45
2025	Aug	04	(Mon)	05:15	06:05	72	12:30	90N	18:55	288	19:45
2025	Aug	05	(Tue)	05:15	06:05	72	12:30	91N	18:54	288	19:44
2025	Aug	06	(Wed)	05:16	06:05	72	12:30	90S	18:54	288	19:43
2025	Aug	07	(Thu)	05:16	06:05	73	12:30	90S	18:53	287	19:43
2025	Aug	08	(Fri)	05:16	06:06	73	12:29	90S	18:53	287	19:42
2025	Aug	09	(Sat)	05:17	06:06	73	12:29	90S	18:52	287	19:42
2025	Aug	10	(Sun)	05:17	06:06	73	12:29	89S	18:52	286	19:41
2025	Aug	11	(Mon)	05:17	06:06	74	12:29	89S	18:51	286	19:40
2025	Aug	12	(Tue)	05:18	06:07	74	12:29	89S	18:51	286	19:40
2025	Aug	13	(Wed)	05:18	06:07	74	12:29	88S	18:50	285	19:39
2025	Aug	14	(Thu)	05:18	06:07	75	12:28	88S	18:50	285	19:38
2025	Aug	15	(Fri)	05:18	06:07	75	12:28	88S	18:49	285	19:38
2025	Aug	16	(Sat)	05:19	06:08	75	12:28	87S	18:48	284	19:37
2025	Aug	17	(Sun)	05:19	06:08	76	12:28	87S	18:48	284	19:36
2025	Aug	18	(Mon)	05:19	06:08	76	12:28	87S	18:47	284	19:36
2025	Aug	19	(Tue)	05:20	06:08	76	12:27	87S	18:46	283	19:35
2025	Aug	20	(Wed)	05:20	06:08	77	12:27	86S	18:46	283	19:34
2025	Aug	21	(Thu)	05:20	06:08	77	12:27	86S	18:45	283	19:33
2025	Aug	22	(Fri)	05:20	06:09	77	12:27	86S	18:44	282	19:33
2025	Aug	23	(Sat)	05:21	06:09	78	12:26	85S	18:44	282	19:32
2025	Aug	24	(Sun)	05:21	06:09	78	12:26	85S	18:43	282	19:31
2025	Aug	25	(Mon)	05:21	06:09	79	12:26	85S	18:42	281	19:30
2025	Aug	26	(Tue)	05:21	06:09	79	12:26	84S	18:42	281	19:29
2025	Aug	27	(Wed)	05:22	06:09	79	12:25	84S	18:41	281	19:29
2025	Aug	28	(Thu)	05:22	06:10	80	12:25	83S	18:40	280	19:28
2025	Aug	29	(Fri)	05:22	06:10	80	12:25	83S	18:39	280	19:27
2025	Aug	30	(Sat)	05:22	06:10	80	12:24	83S	18:39	279	19:26
2025	Aug	31	(Sun)	05:22	06:10	81	12:24	82S	18:38	279	19:25
2025	Sep	01	(Mon)	05:23	06:10	81	12:24	82S	18:37	279	19:24
2025	Sep	02	(Tue)	05:23	06:10	81	12:23	82S	18:36	278	19:24
2025	Sep	03	(Wed)	05:23	06:10	82	12:23	81S	18:35	278	19:23
2025	Sep	04	(Thu)	05:23	06:11	82	12:23	81S	18:35	278	19:22
2025	Sep	05	(Fri)	05:23	06:11	83	12:22	81S	18:34	277	19:21
2025	Sep	06	(Sat)	05:24	06:11	83	12:22	80S	18:33	277	19:20
2025	Sep	07	(Sun)	05:24	06:11	83	12:22	80S	18:32	276	19:19
2025	Sep	08	(Mon)	05:24	06:11	84	12:21	79S	18:31	276	19:19
2025	Sep	09	(Tue)	05:24	06:11	84	12:21	79S	18:31	276	19:18
2025	Sep	10	(Wed)	05:24	06:11	85	12:21	79S	18:30	275	19:17
2025	Sep	11	(Thu)	05:24	06:11	85	12:20	78S	18:29	275	19:16
2025	Sep	12	(Fri)	05:25	06:12	85	12:20	78S	18:28	274	19:15
2025	Sep	13	(Sat)	05:25	06:12	86	12:20	78S	18:27	274	19:14
2025	Sep	14	(Sun)	05:25	06:12	86	12:19	77S	18:27	274	19:13
2025	Sep	15	(Mon)	05:25	06:12	87	12:19	77S	18:26	273	19:13
2025	Sep	16	(Tue)	05:25	06:12	87	12:19	76S	18:25	273	19:12
2025	Sep	17	(Wed)	05:25	06:12	87	12:18	76S	18:24	272	19:11
2025	Sep	18	(Thu)	05:25	06:12	88	12:18	76S	18:23	272	19:10
2025	Sep	19	(Fri)	05:26	06:12	88	12:18	75S	18:22	272	19:09
2025	Sep	20	(Sat)	05:26	06:12	89	12:17	75S	18:22	271	19:08
2025	Sep	21	(Sun)	05:26	06:13	89	12:17	74S	18:21	271	19:07
2025	Sep	22	(Mon)	05:26	06:13	89	12:16	74S	18:20	270	19:07
2025	Sep	23	(Tue)	05:26	06:13	90	12:16	74S	18:19	270	19:06
2025	Sep	24	(Wed)	05:26	06:13	90	12:16	73S	18:18	270	19:05
2025	Sep	25	(Thu)	05:26	06:13	91	12:15	73S	18:17	269	19:04
2025	Sep	26	(Fri)	05:26	06:13	91	12:15	72S	18:17	269	19:03
2025	Sep	27	(Sat)	05:27	06:13	91	12:15	72S	18:16	268	19:03
2025	Sep	28	(Sun)	05:27	06:13	92	12:14	72S	18:15	268	19:02
2025	Sep	29	(Mon)	05:27	06:14	92	12:14	71S	18:14	268	19:01
2025	Sep	30	(Tue)	05:27	06:14	93	12:14	71S	18:13	267	19:00
2025	Oct	01	(Wed)	05:27	06:14	93	12:13	71S	18:13	267	18:59
2025	Oct	02	(Thu)	05:27	06:14	93	12:13	70S	18:12	266	18:59
2025	Oct	03	(Fri)	05:27	06:14	94	12:13	70S	18:11	266	18:58

2025	Oct	04	(Sat)	05:28	06:14	94	12:12	69S	18:10	266	18:57
2025	Oct	05	(Sun)	05:28	06:14	95	12:12	69S	18:10	265	18:56
2025	Oct	06	(Mon)	05:28	06:15	95	12:12	69S	18:09	265	18:56
2025	Oct	07	(Tue)	05:28	06:15	96	12:12	68S	18:08	264	18:55
2025	Oct	08	(Wed)	05:28	06:15	96	12:11	68S	18:07	264	18:54
2025	Oct	09	(Thu)	05:28	06:15	96	12:11	67S	18:07	264	18:53
2025	Oct	10	(Fri)	05:29	06:15	97	12:11	67S	18:06	263	18:53
2025	Oct	11	(Sat)	05:29	06:16	97	12:10	67S	18:05	263	18:52
2025	Oct	12	(Sun)	05:29	06:16	97	12:10	66S	18:04	262	18:51
2025	Oct	13	(Mon)	05:29	06:16	98	12:10	66S	18:04	262	18:51
2025	Oct	14	(Tue)	05:29	06:16	98	12:10	66S	18:03	262	18:50
2025	Oct	15	(Wed)	05:29	06:16	99	12:09	65S	18:02	261	18:49
2025	Oct	16	(Thu)	05:30	06:17	99	12:09	65S	18:02	261	18:49
2025	Oct	17	(Fri)	05:30	06:17	99	12:09	64S	18:01	260	18:48
2025	Oct	18	(Sat)	05:30	06:17	100	12:09	64S	18:00	260	18:48
2025	Oct	19	(Sun)	05:30	06:17	100	12:09	64S	18:00	260	18:47
2025	Oct	20	(Mon)	05:30	06:18	101	12:09	63S	17:59	259	18:46
2025	Oct	21	(Tue)	05:31	06:18	101	12:08	63S	17:58	259	18:46
2025	Oct	22	(Wed)	05:31	06:18	101	12:08	63S	17:58	259	18:45
2025	Oct	23	(Thu)	05:31	06:19	102	12:08	62S	17:57	258	18:45
2025	Oct	24	(Fri)	05:31	06:19	102	12:08	62S	17:57	258	18:44
2025	Oct	25	(Sat)	05:32	06:19	102	12:08	62S	17:56	257	18:44
2025	Oct	26	(Sun)	05:32	06:19	103	12:08	61S	17:56	257	18:43
2025	Oct	27	(Mon)	05:32	06:20	103	12:08	61S	17:55	257	18:43
2025	Oct	28	(Tue)	05:32	06:20	103	12:08	61S	17:55	256	18:42
2025	Oct	29	(Wed)	05:33	06:21	104	12:07	60S	17:54	256	18:42
2025	Oct	30	(Thu)	05:33	06:21	104	12:07	60S	17:54	256	18:42
2025	Oct	31	(Fri)	05:33	06:21	104	12:07	60S	17:53	255	18:41
2025	Nov	01	(Sat)	05:34	06:22	105	12:07	59S	17:53	255	18:41
2025	Nov	02	(Sun)	05:34	06:22	105	12:07	59S	17:52	255	18:40
2025	Nov	03	(Mon)	05:34	06:22	105	12:07	59S	17:52	254	18:40
2025	Nov	04	(Tue)	05:35	06:23	106	12:07	58S	17:52	254	18:40
2025	Nov	05	(Wed)	05:35	06:23	106	12:07	58S	17:51	254	18:39
2025	Nov	06	(Thu)	05:35	06:24	106	12:07	58S	17:51	253	18:39
2025	Nov	07	(Fri)	05:36	06:24	107	12:07	57S	17:51	253	18:39
2025	Nov	08	(Sat)	05:36	06:24	107	12:07	57S	17:50	253	18:39
2025	Nov	09	(Sun)	05:36	06:25	107	12:08	57S	17:50	252	18:38
2025	Nov	10	(Mon)	05:37	06:25	108	12:08	57S	17:50	252	18:38
2025	Nov	11	(Tue)	05:37	06:26	108	12:08	56S	17:49	252	18:38
2025	Nov	12	(Wed)	05:38	06:26	108	12:08	56S	17:49	252	18:38
2025	Nov	13	(Thu)	05:38	06:27	109	12:08	56S	17:49	251	18:38
2025	Nov	14	(Fri)	05:38	06:27	109	12:08	56S	17:49	251	18:38
2025	Nov	15	(Sat)	05:39	06:28	109	12:08	55S	17:49	251	18:38
2025	Nov	16	(Sun)	05:39	06:28	109	12:08	55S	17:48	251	18:37
2025	Nov	17	(Mon)	05:40	06:29	110	12:09	55S	17:48	250	18:37
2025	Nov	18	(Tue)	05:40	06:29	110	12:09	55S	17:48	250	18:37
2025	Nov	19	(Wed)	05:41	06:30	110	12:09	54S	17:48	250	18:37
2025	Nov	20	(Thu)	05:41	06:30	110	12:09	54S	17:48	250	18:37
2025	Nov	21	(Fri)	05:42	06:31	111	12:10	54S	17:48	249	18:37
2025	Nov	22	(Sat)	05:42	06:32	111	12:10	54S	17:48	249	18:37
2025	Nov	23	(Sun)	05:43	06:32	111	12:10	53S	17:48	249	18:37
2025	Nov	24	(Mon)	05:43	06:33	111	12:10	53S	17:48	249	18:38
2025	Nov	25	(Tue)	05:44	06:33	111	12:11	53S	17:48	248	18:38
2025	Nov	26	(Wed)	05:44	06:34	112	12:11	53S	17:48	248	18:38
2025	Nov	27	(Thu)	05:45	06:34	112	12:11	53S	17:48	248	18:38
2025	Nov	28	(Fri)	05:45	06:35	112	12:12	52S	17:48	248	18:38
2025	Nov	29	(Sat)	05:46	06:36	112	12:12	52S	17:48	248	18:38
2025	Nov	30	(Sun)	05:46	06:36	112	12:12	52S	17:48	248	18:38
2025	Dec	01	(Mon)	05:47	06:37	113	12:13	52S	17:49	247	18:39
2025	Dec	02	(Tue)	05:47	06:37	113	12:13	52S	17:49	247	18:39
2025	Dec	03	(Wed)	05:48	06:38	113	12:13	52S	17:49	247	18:39
2025	Dec	04	(Thu)	05:48	06:38	113	12:14	52S	17:49	247	18:39
2025	Dec	05	(Fri)	05:49	06:39	113	12:14	51S	17:49	247	18:40
2025	Dec	06	(Sat)	05:49	06:40	113	12:15	51S	17:50	247	18:40
2025	Dec	07	(Sun)	05:50	06:40	113	12:15	51S	17:50	247	18:40
2025	Dec	08	(Mon)	05:51	06:41	114	12:16	51S	17:50	246	18:41
2025	Dec	09	(Tue)	05:51	06:41	114	12:16	51S	17:51	246	18:41
2025	Dec	10	(Wed)	05:52	06:42	114	12:16	51S	17:51	246	18:41
2025	Dec	11	(Thu)	05:52	06:43	114	12:17	51S	17:51	246	18:42
2025	Dec	12	(Fri)	05:53	06:43	114	12:17	51S	17:52	246	18:42
2025	Dec	13	(Sat)	05:53	06:44	114	12:18	51S	17:52	246	18:42
2025	Dec	14	(Sun)	05:54	06:44	114	12:18	51S	17:52	246	18:43

2025	Dec	15	(Mon)	05:54	06:45	114	12:19	51S	17:53	246	18:43
2025	Dec	16	(Tue)	05:55	06:45	114	12:19	51S	17:53	246	18:44
2025	Dec	17	(Wed)	05:55	06:46	114	12:20	50S	17:54	246	18:44
2025	Dec	18	(Thu)	05:56	06:46	114	12:20	50S	17:54	246	18:45
2025	Dec	19	(Fri)	05:56	06:47	114	12:21	50S	17:55	246	18:45
2025	Dec	20	(Sat)	05:57	06:48	114	12:21	50S	17:55	246	18:46
2025	Dec	21	(Sun)	05:57	06:48	114	12:22	50S	17:55	246	18:46
2025	Dec	22	(Mon)	05:58	06:49	114	12:22	50S	17:56	246	18:47
2025	Dec	23	(Tue)	05:58	06:49	114	12:23	50S	17:57	246	18:47
2025	Dec	24	(Wed)	05:59	06:49	114	12:23	50S	17:57	246	18:48
2025	Dec	25	(Thu)	05:59	06:50	114	12:24	50S	17:58	246	18:48
2025	Dec	26	(Fri)	06:00	06:50	114	12:24	50S	17:58	246	18:49
2025	Dec	27	(Sat)	06:00	06:51	114	12:25	51S	17:59	246	18:49
2025	Dec	28	(Sun)	06:01	06:51	114	12:25	51S	17:59	246	18:50
2025	Dec	29	(Mon)	06:01	06:52	114	12:26	51S	18:00	246	18:50
2025	Dec	30	(Tue)	06:02	06:52	114	12:26	51S	18:00	246	18:51
2025	Dec	31	(Wed)	06:02	06:52	114	12:27	51S	18:01	246	18:51

Sun

Tak

Location: E 99°04'30.0", N16°51'57.5", 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)	06:29	06:53 114	12:27 51S	18:02 246		18:25
2025	Jan 02 (Thu)	06:30	06:53 114	12:28 51S	18:02 246		18:26
2025	Jan 03 (Fri)	06:30	06:54 114	12:28 51S	18:03 246		18:26
2025	Jan 04 (Sat)	06:30	06:54 114	12:29 51S	18:03 247		18:27
2025	Jan 05 (Sun)	06:31	06:54 113	12:29 51S	18:04 247		18:27
2025	Jan 06 (Mon)	06:31	06:54 113	12:30 51S	18:05 247		18:28
2025	Jan 07 (Tue)	06:31	06:55 113	12:30 52S	18:05 247		18:29
2025	Jan 08 (Wed)	06:32	06:55 113	12:30 52S	18:06 247		18:29
2025	Jan 09 (Thu)	06:32	06:55 113	12:31 52S	18:07 247		18:30
2025	Jan 10 (Fri)	06:32	06:55 113	12:31 52S	18:07 247		18:30
2025	Jan 11 (Sat)	06:32	06:56 113	12:32 52S	18:08 248		18:31
2025	Jan 12 (Sun)	06:33	06:56 112	12:32 52S	18:08 248		18:32
2025	Jan 13 (Mon)	06:33	06:56 112	12:32 52S	18:09 248		18:32
2025	Jan 14 (Tue)	06:33	06:56 112	12:33 53S	18:10 248		18:33
2025	Jan 15 (Wed)	06:33	06:56 112	12:33 53S	18:10 248		18:33
2025	Jan 16 (Thu)	06:33	06:56 112	12:33 53S	18:11 248		18:34
2025	Jan 17 (Fri)	06:33	06:56 111	12:34 53S	18:11 249		18:34
2025	Jan 18 (Sat)	06:33	06:56 111	12:34 53S	18:12 249		18:35
2025	Jan 19 (Sun)	06:33	06:56 111	12:34 54S	18:13 249		18:36
2025	Jan 20 (Mon)	06:33	06:56 111	12:35 54S	18:13 249		18:36
2025	Jan 21 (Tue)	06:33	06:56 111	12:35 54S	18:14 250		18:37
2025	Jan 22 (Wed)	06:33	06:56 110	12:35 54S	18:14 250		18:37
2025	Jan 23 (Thu)	06:33	06:56 110	12:36 54S	18:15 250		18:38
2025	Jan 24 (Fri)	06:33	06:56 110	12:36 55S	18:15 250		18:38
2025	Jan 25 (Sat)	06:33	06:56 110	12:36 55S	18:16 251		18:39
2025	Jan 26 (Sun)	06:33	06:56 109	12:36 55S	18:17 251		18:39
2025	Jan 27 (Mon)	06:33	06:56 109	12:36 55S	18:17 251		18:40
2025	Jan 28 (Tue)	06:33	06:56 109	12:37 56S	18:18 251		18:40
2025	Jan 29 (Wed)	06:33	06:56 108	12:37 56S	18:18 252		18:41
2025	Jan 30 (Thu)	06:33	06:55 108	12:37 56S	18:19 252		18:41
2025	Jan 31 (Fri)	06:33	06:55 108	12:37 57S	18:19 252		18:42
2025	Feb 01 (Sat)	06:32	06:55 108	12:37 57S	18:20 253		18:42
2025	Feb 02 (Sun)	06:32	06:55 107	12:37 57S	18:20 253		18:43
2025	Feb 03 (Mon)	06:32	06:54 107	12:37 57S	18:21 253		18:43
2025	Feb 04 (Tue)	06:32	06:54 107	12:38 58S	18:21 253		18:44
2025	Feb 05 (Wed)	06:31	06:54 106	12:38 58S	18:22 254		18:44
2025	Feb 06 (Thu)	06:31	06:54 106	12:38 58S	18:22 254		18:45
2025	Feb 07 (Fri)	06:31	06:53 106	12:38 59S	18:23 254		18:45
2025	Feb 08 (Sat)	06:31	06:53 105	12:38 59S	18:23 255		18:45
2025	Feb 09 (Sun)	06:30	06:52 105	12:38 59S	18:23 255		18:46
2025	Feb 10 (Mon)	06:30	06:52 105	12:38 60S	18:24 255		18:46
2025	Feb 11 (Tue)	06:29	06:52 104	12:38 60S	18:24 256		18:47

2025	Feb	12	(Wed)	06:29	06:51	104	12:38	60S	18:25	256	18:47
2025	Feb	13	(Thu)	06:29	06:51	104	12:38	61S	18:25	256	18:47
2025	Feb	14	(Fri)	06:28	06:50	103	12:38	61S	18:26	257	18:48
2025	Feb	15	(Sat)	06:28	06:50	103	12:38	61S	18:26	257	18:48
2025	Feb	16	(Sun)	06:27	06:49	103	12:38	62S	18:26	258	18:48
2025	Feb	17	(Mon)	06:27	06:49	102	12:38	62S	18:27	258	18:49
2025	Feb	18	(Tue)	06:26	06:48	102	12:38	62S	18:27	258	18:49
2025	Feb	19	(Wed)	06:26	06:48	102	12:37	63S	18:27	259	18:49
2025	Feb	20	(Thu)	06:25	06:47	101	12:37	63S	18:28	259	18:50
2025	Feb	21	(Fri)	06:25	06:47	101	12:37	63S	18:28	259	18:50
2025	Feb	22	(Sat)	06:24	06:46	100	12:37	64S	18:28	260	18:50
2025	Feb	23	(Sun)	06:24	06:46	100	12:37	64S	18:29	260	18:51
2025	Feb	24	(Mon)	06:23	06:45	100	12:37	64S	18:29	261	18:51
2025	Feb	25	(Tue)	06:23	06:44	99	12:37	65S	18:29	261	18:51
2025	Feb	26	(Wed)	06:22	06:44	99	12:37	65S	18:30	261	18:51
2025	Feb	27	(Thu)	06:21	06:43	98	12:36	66S	18:30	262	18:52
2025	Feb	28	(Fri)	06:21	06:42	98	12:36	66S	18:30	262	18:52
2025	Mar	01	(Sat)	06:20	06:42	98	12:36	66S	18:30	263	18:52
2025	Mar	02	(Sun)	06:19	06:41	97	12:36	67S	18:31	263	18:52
2025	Mar	03	(Mon)	06:19	06:40	97	12:36	67S	18:31	263	18:53
2025	Mar	04	(Tue)	06:18	06:40	96	12:35	68S	18:31	264	18:53
2025	Mar	05	(Wed)	06:17	06:39	96	12:35	68S	18:31	264	18:53
2025	Mar	06	(Thu)	06:17	06:38	96	12:35	68S	18:32	265	18:53
2025	Mar	07	(Fri)	06:16	06:38	95	12:35	69S	18:32	265	18:54
2025	Mar	08	(Sat)	06:15	06:37	95	12:34	69S	18:32	265	18:54
2025	Mar	09	(Sun)	06:15	06:36	94	12:34	69S	18:32	266	18:54
2025	Mar	10	(Mon)	06:14	06:36	94	12:34	70S	18:33	266	18:54
2025	Mar	11	(Tue)	06:13	06:35	94	12:34	70S	18:33	267	18:54
2025	Mar	12	(Wed)	06:12	06:34	93	12:33	71S	18:33	267	18:55
2025	Mar	13	(Thu)	06:12	06:33	93	12:33	71S	18:33	267	18:55
2025	Mar	14	(Fri)	06:11	06:33	92	12:33	71S	18:33	268	18:55
2025	Mar	15	(Sat)	06:10	06:32	92	12:33	72S	18:34	268	18:55
2025	Mar	16	(Sun)	06:09	06:31	92	12:32	72S	18:34	269	18:55
2025	Mar	17	(Mon)	06:09	06:30	91	12:32	73S	18:34	269	18:56
2025	Mar	18	(Tue)	06:08	06:29	91	12:32	73S	18:34	269	18:56
2025	Mar	19	(Wed)	06:07	06:29	90	12:31	73S	18:34	270	18:56
2025	Mar	20	(Thu)	06:06	06:28	90	12:31	74S	18:35	270	18:56
2025	Mar	21	(Fri)	06:06	06:27	89	12:31	74S	18:35	271	18:56
2025	Mar	22	(Sat)	06:05	06:26	89	12:31	75S	18:35	271	18:57
2025	Mar	23	(Sun)	06:04	06:26	89	12:30	75S	18:35	272	18:57
2025	Mar	24	(Mon)	06:03	06:25	88	12:30	75S	18:35	272	18:57
2025	Mar	25	(Tue)	06:02	06:24	88	12:30	76S	18:35	272	18:57
2025	Mar	26	(Wed)	06:02	06:23	87	12:29	76S	18:36	273	18:57
2025	Mar	27	(Thu)	06:01	06:22	87	12:29	77S	18:36	273	18:57
2025	Mar	28	(Fri)	06:00	06:22	87	12:29	77S	18:36	274	18:58
2025	Mar	29	(Sat)	05:59	06:21	86	12:28	77S	18:36	274	18:58
2025	Mar	30	(Sun)	05:59	06:20	86	12:28	78S	18:36	274	18:58
2025	Mar	31	(Mon)	05:58	06:19	85	12:28	78S	18:37	275	18:58
2025	Apr	01	(Tue)	05:57	06:19	85	12:28	78S	18:37	275	18:58
2025	Apr	02	(Wed)	05:56	06:18	85	12:27	79S	18:37	276	18:59
2025	Apr	03	(Thu)	05:55	06:17	84	12:27	79S	18:37	276	18:59
2025	Apr	04	(Fri)	05:55	06:16	84	12:27	80S	18:37	276	18:59
2025	Apr	05	(Sat)	05:54	06:16	83	12:26	80S	18:37	277	18:59
2025	Apr	06	(Sun)	05:53	06:15	83	12:26	80S	18:38	277	18:59
2025	Apr	07	(Mon)	05:52	06:14	83	12:26	81S	18:38	278	19:00
2025	Apr	08	(Tue)	05:52	06:13	82	12:26	81S	18:38	278	19:00
2025	Apr	09	(Wed)	05:51	06:13	82	12:25	82S	18:38	278	19:00
2025	Apr	10	(Thu)	05:50	06:12	81	12:25	82S	18:38	279	19:00
2025	Apr	11	(Fri)	05:49	06:11	81	12:25	82S	18:39	279	19:01
2025	Apr	12	(Sat)	05:48	06:10	81	12:24	83S	18:39	280	19:01
2025	Apr	13	(Sun)	05:48	06:10	80	12:24	83S	18:39	280	19:01
2025	Apr	14	(Mon)	05:47	06:09	80	12:24	83S	18:39	280	19:01
2025	Apr	15	(Tue)	05:46	06:08	80	12:24	84S	18:39	281	19:01
2025	Apr	16	(Wed)	05:46	06:08	79	12:23	84S	18:40	281	19:02
2025	Apr	17	(Thu)	05:45	06:07	79	12:23	84S	18:40	281	19:02
2025	Apr	18	(Fri)	05:44	06:06	78	12:23	85S	18:40	282	19:02
2025	Apr	19	(Sat)	05:43	06:06	78	12:23	85S	18:40	282	19:02
2025	Apr	20	(Sun)	05:43	06:05	78	12:23	85S	18:40	282	19:03
2025	Apr	21	(Mon)	05:42	06:04	77	12:22	86S	18:41	283	19:03
2025	Apr	22	(Tue)	05:41	06:04	77	12:22	86S	18:41	283	19:03
2025	Apr	23	(Wed)	05:41	06:03	77	12:22	86S	18:41	284	19:04
2025	Apr	24	(Thu)	05:40	06:02	76	12:22	87S	18:41	284	19:04

2025	Apr	25	(Fri)	05:39	06:02	76	12:22	87S	18:42	284	19:04
2025	Apr	26	(Sat)	05:39	06:01	76	12:21	87S	18:42	285	19:04
2025	Apr	27	(Sun)	05:38	06:01	75	12:21	88S	18:42	285	19:05
2025	Apr	28	(Mon)	05:38	06:00	75	12:21	88S	18:42	285	19:05
2025	Apr	29	(Tue)	05:37	06:00	75	12:21	88S	18:43	286	19:05
2025	Apr	30	(Wed)	05:36	05:59	74	12:21	89S	18:43	286	19:06
2025	May	01	(Thu)	05:36	05:58	74	12:21	89S	18:43	286	19:06
2025	May	02	(Fri)	05:35	05:58	74	12:21	89S	18:44	287	19:06
2025	May	03	(Sat)	05:35	05:57	73	12:21	90S	18:44	287	19:07
2025	May	04	(Sun)	05:34	05:57	73	12:20	90S	18:44	287	19:07
2025	May	05	(Mon)	05:34	05:57	73	12:20	90S	18:44	287	19:07
2025	May	06	(Tue)	05:33	05:56	72	12:20	90S	18:45	288	19:08
2025	May	07	(Wed)	05:33	05:56	72	12:20	91N	18:45	288	19:08
2025	May	08	(Thu)	05:32	05:55	72	12:20	90N	18:45	288	19:08
2025	May	09	(Fri)	05:32	05:55	72	12:20	90N	18:46	289	19:09
2025	May	10	(Sat)	05:31	05:54	71	12:20	90N	18:46	289	19:09
2025	May	11	(Sun)	05:31	05:54	71	12:20	90N	18:46	289	19:09
2025	May	12	(Mon)	05:31	05:54	71	12:20	89N	18:47	289	19:10
2025	May	13	(Tue)	05:30	05:53	70	12:20	89N	18:47	290	19:10
2025	May	14	(Wed)	05:30	05:53	70	12:20	89N	18:47	290	19:10
2025	May	15	(Thu)	05:29	05:53	70	12:20	89N	18:48	290	19:11
2025	May	16	(Fri)	05:29	05:52	70	12:20	88N	18:48	290	19:11
2025	May	17	(Sat)	05:29	05:52	69	12:20	88N	18:48	291	19:12
2025	May	18	(Sun)	05:28	05:52	69	12:20	88N	18:49	291	19:12
2025	May	19	(Mon)	05:28	05:51	69	12:20	88N	18:49	291	19:12
2025	May	20	(Tue)	05:28	05:51	69	12:20	88N	18:49	291	19:13
2025	May	21	(Wed)	05:28	05:51	69	12:20	87N	18:50	292	19:13
2025	May	22	(Thu)	05:27	05:51	68	12:20	87N	18:50	292	19:14
2025	May	23	(Fri)	05:27	05:51	68	12:20	87N	18:50	292	19:14
2025	May	24	(Sat)	05:27	05:50	68	12:21	87N	18:51	292	19:14
2025	May	25	(Sun)	05:27	05:50	68	12:21	87N	18:51	292	19:15
2025	May	26	(Mon)	05:27	05:50	68	12:21	86N	18:52	292	19:15
2025	May	27	(Tue)	05:26	05:50	67	12:21	86N	18:52	293	19:15
2025	May	28	(Wed)	05:26	05:50	67	12:21	86N	18:52	293	19:16
2025	May	29	(Thu)	05:26	05:50	67	12:21	86N	18:53	293	19:16
2025	May	30	(Fri)	05:26	05:50	67	12:21	86N	18:53	293	19:17
2025	May	31	(Sat)	05:26	05:50	67	12:21	86N	18:53	293	19:17
2025	Jun	01	(Sun)	05:26	05:50	67	12:22	85N	18:54	293	19:17
2025	Jun	02	(Mon)	05:26	05:50	66	12:22	85N	18:54	294	19:18
2025	Jun	03	(Tue)	05:26	05:49	66	12:22	85N	18:54	294	19:18
2025	Jun	04	(Wed)	05:26	05:49	66	12:22	85N	18:55	294	19:19
2025	Jun	05	(Thu)	05:26	05:49	66	12:22	85N	18:55	294	19:19
2025	Jun	06	(Fri)	05:26	05:50	66	12:22	85N	18:55	294	19:19
2025	Jun	07	(Sat)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jun	08	(Sun)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jun	09	(Mon)	05:26	05:50	66	12:23	85N	18:56	294	19:20
2025	Jun	10	(Tue)	05:26	05:50	66	12:23	85N	18:57	294	19:21
2025	Jun	11	(Wed)	05:26	05:50	66	12:23	84N	18:57	295	19:21
2025	Jun	12	(Thu)	05:26	05:50	65	12:24	84N	18:57	295	19:21
2025	Jun	13	(Fri)	05:26	05:50	65	12:24	84N	18:58	295	19:22
2025	Jun	14	(Sat)	05:26	05:50	65	12:24	84N	18:58	295	19:22
2025	Jun	15	(Sun)	05:26	05:50	65	12:24	84N	18:58	295	19:22
2025	Jun	16	(Mon)	05:26	05:50	65	12:24	84N	18:58	295	19:22
2025	Jun	17	(Tue)	05:27	05:51	65	12:25	84N	18:59	295	19:23
2025	Jun	18	(Wed)	05:27	05:51	65	12:25	84N	18:59	295	19:23
2025	Jun	19	(Thu)	05:27	05:51	65	12:25	84N	18:59	295	19:23
2025	Jun	20	(Fri)	05:27	05:51	65	12:25	84N	18:59	295	19:23
2025	Jun	21	(Sat)	05:27	05:51	65	12:26	84N	19:00	295	19:24
2025	Jun	22	(Sun)	05:28	05:52	65	12:26	84N	19:00	295	19:24
2025	Jun	23	(Mon)	05:28	05:52	65	12:26	84N	19:00	295	19:24
2025	Jun	24	(Tue)	05:28	05:52	65	12:26	84N	19:00	295	19:24
2025	Jun	25	(Wed)	05:28	05:52	65	12:26	84N	19:00	295	19:24
2025	Jun	26	(Thu)	05:29	05:53	65	12:27	84N	19:01	295	19:24
2025	Jun	27	(Fri)	05:29	05:53	65	12:27	84N	19:01	295	19:25
2025	Jun	28	(Sat)	05:29	05:53	65	12:27	84N	19:01	295	19:25
2025	Jun	29	(Sun)	05:29	05:53	65	12:27	84N	19:01	295	19:25
2025	Jun	30	(Mon)	05:30	05:54	65	12:27	84N	19:01	295	19:25
2025	Jul	01	(Tue)	05:30	05:54	66	12:28	84N	19:01	294	19:25
2025	Jul	02	(Wed)	05:30	05:54	66	12:28	85N	19:01	294	19:25
2025	Jul	03	(Thu)	05:31	05:55	66	12:28	85N	19:01	294	19:25
2025	Jul	04	(Fri)	05:31	05:55	66	12:28	85N	19:01	294	19:25
2025	Jul	05	(Sat)	05:31	05:55	66	12:28	85N	19:01	294	19:25

2025	Jul	06	(Sun)	05:32	05:56	66	12:29	85N	19:01	294	19:25
2025	Jul	07	(Mon)	05:32	05:56	66	12:29	85N	19:01	294	19:25
2025	Jul	08	(Tue)	05:32	05:56	66	12:29	85N	19:01	294	19:25
2025	Jul	09	(Wed)	05:33	05:57	66	12:29	85N	19:01	294	19:25
2025	Jul	10	(Thu)	05:33	05:57	66	12:29	85N	19:01	293	19:25
2025	Jul	11	(Fri)	05:33	05:57	67	12:29	86N	19:01	293	19:25
2025	Jul	12	(Sat)	05:34	05:57	67	12:29	86N	19:01	293	19:25
2025	Jul	13	(Sun)	05:34	05:58	67	12:29	86N	19:01	293	19:25
2025	Jul	14	(Mon)	05:35	05:58	67	12:30	86N	19:01	293	19:25
2025	Jul	15	(Tue)	05:35	05:58	67	12:30	86N	19:01	293	19:24
2025	Jul	16	(Wed)	05:35	05:59	67	12:30	86N	19:01	293	19:24
2025	Jul	17	(Thu)	05:36	05:59	68	12:30	86N	19:01	292	19:24
2025	Jul	18	(Fri)	05:36	05:59	68	12:30	87N	19:00	292	19:24
2025	Jul	19	(Sat)	05:36	06:00	68	12:30	87N	19:00	292	19:24
2025	Jul	20	(Sun)	05:37	06:00	68	12:30	87N	19:00	292	19:23
2025	Jul	21	(Mon)	05:37	06:00	68	12:30	87N	19:00	292	19:23
2025	Jul	22	(Tue)	05:37	06:01	69	12:30	87N	18:59	291	19:23
2025	Jul	23	(Wed)	05:38	06:01	69	12:30	88N	18:59	291	19:23
2025	Jul	24	(Thu)	05:38	06:01	69	12:30	88N	18:59	291	19:22
2025	Jul	25	(Fri)	05:38	06:02	69	12:30	88N	18:59	291	19:22
2025	Jul	26	(Sat)	05:39	06:02	69	12:30	88N	18:58	290	19:22
2025	Jul	27	(Sun)	05:39	06:02	70	12:30	88N	18:58	290	19:21
2025	Jul	28	(Mon)	05:39	06:03	70	12:30	89N	18:58	290	19:21
2025	Jul	29	(Tue)	05:40	06:03	70	12:30	89N	18:57	290	19:20
2025	Jul	30	(Wed)	05:40	06:03	70	12:30	89N	18:57	289	19:20
2025	Jul	31	(Thu)	05:40	06:04	71	12:30	89N	18:57	289	19:20
2025	Aug	01	(Fri)	05:41	06:04	71	12:30	90N	18:56	289	19:19
2025	Aug	02	(Sat)	05:41	06:04	71	12:30	90N	18:56	289	19:19
2025	Aug	03	(Sun)	05:41	06:04	71	12:30	90N	18:55	288	19:18
2025	Aug	04	(Mon)	05:42	06:05	72	12:30	90N	18:55	288	19:18
2025	Aug	05	(Tue)	05:42	06:05	72	12:30	91N	18:54	288	19:17
2025	Aug	06	(Wed)	05:42	06:05	72	12:30	90S	18:54	288	19:17
2025	Aug	07	(Thu)	05:43	06:05	73	12:30	90S	18:53	287	19:16
2025	Aug	08	(Fri)	05:43	06:06	73	12:29	90S	18:53	287	19:16
2025	Aug	09	(Sat)	05:43	06:06	73	12:29	90S	18:52	287	19:15
2025	Aug	10	(Sun)	05:44	06:06	73	12:29	89S	18:52	286	19:14
2025	Aug	11	(Mon)	05:44	06:06	74	12:29	89S	18:51	286	19:14
2025	Aug	12	(Tue)	05:44	06:07	74	12:29	89S	18:51	286	19:13
2025	Aug	13	(Wed)	05:44	06:07	74	12:29	88S	18:50	285	19:13
2025	Aug	14	(Thu)	05:45	06:07	75	12:28	88S	18:50	285	19:12
2025	Aug	15	(Fri)	05:45	06:07	75	12:28	88S	18:49	285	19:11
2025	Aug	16	(Sat)	05:45	06:08	75	12:28	87S	18:48	284	19:11
2025	Aug	17	(Sun)	05:45	06:08	76	12:28	87S	18:48	284	19:10
2025	Aug	18	(Mon)	05:46	06:08	76	12:28	87S	18:47	284	19:09
2025	Aug	19	(Tue)	05:46	06:08	76	12:27	87S	18:46	283	19:09
2025	Aug	20	(Wed)	05:46	06:08	77	12:27	86S	18:46	283	19:08
2025	Aug	21	(Thu)	05:46	06:08	77	12:27	86S	18:45	283	19:07
2025	Aug	22	(Fri)	05:46	06:09	77	12:27	86S	18:44	282	19:07
2025	Aug	23	(Sat)	05:47	06:09	78	12:26	85S	18:44	282	19:06
2025	Aug	24	(Sun)	05:47	06:09	78	12:26	85S	18:43	282	19:05
2025	Aug	25	(Mon)	05:47	06:09	79	12:26	85S	18:42	281	19:04
2025	Aug	26	(Tue)	05:47	06:09	79	12:26	84S	18:42	281	19:04
2025	Aug	27	(Wed)	05:47	06:09	79	12:25	84S	18:41	281	19:03
2025	Aug	28	(Thu)	05:48	06:10	80	12:25	83S	18:40	280	19:02
2025	Aug	29	(Fri)	05:48	06:10	80	12:25	83S	18:39	280	19:01
2025	Aug	30	(Sat)	05:48	06:10	80	12:24	83S	18:39	279	19:01
2025	Aug	31	(Sun)	05:48	06:10	81	12:24	82S	18:38	279	19:00
2025	Sep	01	(Mon)	05:48	06:10	81	12:24	82S	18:37	279	18:59
2025	Sep	02	(Tue)	05:48	06:10	81	12:23	82S	18:36	278	18:58
2025	Sep	03	(Wed)	05:49	06:10	82	12:23	81S	18:35	278	18:57
2025	Sep	04	(Thu)	05:49	06:11	82	12:23	81S	18:35	278	18:57
2025	Sep	05	(Fri)	05:49	06:11	83	12:22	81S	18:34	277	18:56
2025	Sep	06	(Sat)	05:49	06:11	83	12:22	80S	18:33	277	18:55
2025	Sep	07	(Sun)	05:49	06:11	83	12:22	80S	18:32	276	18:54
2025	Sep	08	(Mon)	05:49	06:11	84	12:21	79S	18:31	276	18:53
2025	Sep	09	(Tue)	05:49	06:11	84	12:21	79S	18:31	276	18:52
2025	Sep	10	(Wed)	05:50	06:11	85	12:21	79S	18:30	275	18:52
2025	Sep	11	(Thu)	05:50	06:11	85	12:20	78S	18:29	275	18:51
2025	Sep	12	(Fri)	05:50	06:12	85	12:20	78S	18:28	274	18:50
2025	Sep	13	(Sat)	05:50	06:12	86	12:20	78S	18:27	274	18:49
2025	Sep	14	(Sun)	05:50	06:12	86	12:19	77S	18:27	274	18:48
2025	Sep	15	(Mon)	05:50	06:12	87	12:19	77S	18:26	273	18:47

2025	Sep	16	(Tue)	05:50	06:12	87	12:19	76S	18:25	273	18:47
2025	Sep	17	(Wed)	05:50	06:12	87	12:18	76S	18:24	272	18:46
2025	Sep	18	(Thu)	05:51	06:12	88	12:18	76S	18:23	272	18:45
2025	Sep	19	(Fri)	05:51	06:12	88	12:18	75S	18:22	272	18:44
2025	Sep	20	(Sat)	05:51	06:12	89	12:17	75S	18:22	271	18:43
2025	Sep	21	(Sun)	05:51	06:13	89	12:17	74S	18:21	271	18:42
2025	Sep	22	(Mon)	05:51	06:13	89	12:16	74S	18:20	270	18:42
2025	Sep	23	(Tue)	05:51	06:13	90	12:16	74S	18:19	270	18:41
2025	Sep	24	(Wed)	05:51	06:13	90	12:16	73S	18:18	270	18:40
2025	Sep	25	(Thu)	05:51	06:13	91	12:15	73S	18:17	269	18:39
2025	Sep	26	(Fri)	05:52	06:13	91	12:15	72S	18:17	269	18:38
2025	Sep	27	(Sat)	05:52	06:13	91	12:15	72S	18:16	268	18:37
2025	Sep	28	(Sun)	05:52	06:13	92	12:14	72S	18:15	268	18:37
2025	Sep	29	(Mon)	05:52	06:14	92	12:14	71S	18:14	268	18:36
2025	Sep	30	(Tue)	05:52	06:14	93	12:14	71S	18:13	267	18:35
2025	Oct	01	(Wed)	05:52	06:14	93	12:13	71S	18:13	267	18:34
2025	Oct	02	(Thu)	05:52	06:14	93	12:13	70S	18:12	266	18:34
2025	Oct	03	(Fri)	05:53	06:14	94	12:13	70S	18:11	266	18:33
2025	Oct	04	(Sat)	05:53	06:14	94	12:12	69S	18:10	266	18:32
2025	Oct	05	(Sun)	05:53	06:14	95	12:12	69S	18:10	265	18:31
2025	Oct	06	(Mon)	05:53	06:15	95	12:12	69S	18:09	265	18:30
2025	Oct	07	(Tue)	05:53	06:15	96	12:12	68S	18:08	264	18:30
2025	Oct	08	(Wed)	05:53	06:15	96	12:11	68S	18:07	264	18:29
2025	Oct	09	(Thu)	05:53	06:15	96	12:11	67S	18:07	264	18:28
2025	Oct	10	(Fri)	05:54	06:15	97	12:11	67S	18:06	263	18:28
2025	Oct	11	(Sat)	05:54	06:16	97	12:10	67S	18:05	263	18:27
2025	Oct	12	(Sun)	05:54	06:16	97	12:10	66S	18:04	262	18:26
2025	Oct	13	(Mon)	05:54	06:16	98	12:10	66S	18:04	262	18:25
2025	Oct	14	(Tue)	05:54	06:16	98	12:10	66S	18:03	262	18:25
2025	Oct	15	(Wed)	05:55	06:16	99	12:09	65S	18:02	261	18:24
2025	Oct	16	(Thu)	05:55	06:17	99	12:09	65S	18:02	261	18:23
2025	Oct	17	(Fri)	05:55	06:17	99	12:09	64S	18:01	260	18:23
2025	Oct	18	(Sat)	05:55	06:17	100	12:09	64S	18:00	260	18:22
2025	Oct	19	(Sun)	05:56	06:17	100	12:09	64S	18:00	260	18:22
2025	Oct	20	(Mon)	05:56	06:18	101	12:09	63S	17:59	259	18:21
2025	Oct	21	(Tue)	05:56	06:18	101	12:08	63S	17:58	259	18:20
2025	Oct	22	(Wed)	05:56	06:18	101	12:08	63S	17:58	259	18:20
2025	Oct	23	(Thu)	05:57	06:19	102	12:08	62S	17:57	258	18:19
2025	Oct	24	(Fri)	05:57	06:19	102	12:08	62S	17:57	258	18:19
2025	Oct	25	(Sat)	05:57	06:19	102	12:08	62S	17:56	257	18:18
2025	Oct	26	(Sun)	05:57	06:19	103	12:08	61S	17:56	257	18:18
2025	Oct	27	(Mon)	05:58	06:20	103	12:08	61S	17:55	257	18:17
2025	Oct	28	(Tue)	05:58	06:20	103	12:08	61S	17:55	256	18:17
2025	Oct	29	(Wed)	05:58	06:21	104	12:07	60S	17:54	256	18:16
2025	Oct	30	(Thu)	05:59	06:21	104	12:07	60S	17:54	256	18:16
2025	Oct	31	(Fri)	05:59	06:21	104	12:07	60S	17:53	255	18:15
2025	Nov	01	(Sat)	05:59	06:22	105	12:07	59S	17:53	255	18:15
2025	Nov	02	(Sun)	06:00	06:22	105	12:07	59S	17:52	255	18:15
2025	Nov	03	(Mon)	06:00	06:22	105	12:07	59S	17:52	254	18:14
2025	Nov	04	(Tue)	06:00	06:23	106	12:07	58S	17:52	254	18:14
2025	Nov	05	(Wed)	06:01	06:23	106	12:07	58S	17:51	254	18:14
2025	Nov	06	(Thu)	06:01	06:24	106	12:07	58S	17:51	253	18:13
2025	Nov	07	(Fri)	06:02	06:24	107	12:07	57S	17:51	253	18:13
2025	Nov	08	(Sat)	06:02	06:24	107	12:07	57S	17:50	253	18:13
2025	Nov	09	(Sun)	06:02	06:25	107	12:08	57S	17:50	252	18:12
2025	Nov	10	(Mon)	06:03	06:25	108	12:08	57S	17:50	252	18:12
2025	Nov	11	(Tue)	06:03	06:26	108	12:08	56S	17:49	252	18:12
2025	Nov	12	(Wed)	06:04	06:26	108	12:08	56S	17:49	252	18:12
2025	Nov	13	(Thu)	06:04	06:27	109	12:08	56S	17:49	251	18:12
2025	Nov	14	(Fri)	06:05	06:27	109	12:08	56S	17:49	251	18:11
2025	Nov	15	(Sat)	06:05	06:28	109	12:08	55S	17:49	251	18:11
2025	Nov	16	(Sun)	06:06	06:28	109	12:08	55S	17:48	251	18:11
2025	Nov	17	(Mon)	06:06	06:29	110	12:09	55S	17:48	250	18:11
2025	Nov	18	(Tue)	06:07	06:29	110	12:09	55S	17:48	250	18:11
2025	Nov	19	(Wed)	06:07	06:30	110	12:09	54S	17:48	250	18:11
2025	Nov	20	(Thu)	06:08	06:30	110	12:09	54S	17:48	250	18:11
2025	Nov	21	(Fri)	06:08	06:31	111	12:10	54S	17:48	249	18:11
2025	Nov	22	(Sat)	06:09	06:32	111	12:10	54S	17:48	249	18:11
2025	Nov	23	(Sun)	06:09	06:32	111	12:10	53S	17:48	249	18:11
2025	Nov	24	(Mon)	06:10	06:33	111	12:10	53S	17:48	249	18:11
2025	Nov	25	(Tue)	06:10	06:33	111	12:11	53S	17:48	248	18:11
2025	Nov	26	(Wed)	06:11	06:34	112	12:11	53S	17:48	248	18:11

2025	Nov	27	(Thu)	06:11	06:34	112	12:11	53S	17:48	248	18:11
2025	Nov	28	(Fri)	06:12	06:35	112	12:12	52S	17:48	248	18:11
2025	Nov	29	(Sat)	06:12	06:36	112	12:12	52S	17:48	248	18:12
2025	Nov	30	(Sun)	06:13	06:36	112	12:12	52S	17:48	248	18:12
2025	Dec	01	(Mon)	06:13	06:37	113	12:13	52S	17:49	247	18:12
2025	Dec	02	(Tue)	06:14	06:37	113	12:13	52S	17:49	247	18:12
2025	Dec	03	(Wed)	06:15	06:38	113	12:13	52S	17:49	247	18:12
2025	Dec	04	(Thu)	06:15	06:38	113	12:14	52S	17:49	247	18:13
2025	Dec	05	(Fri)	06:16	06:39	113	12:14	51S	17:49	247	18:13
2025	Dec	06	(Sat)	06:16	06:40	113	12:15	51S	17:50	247	18:13
2025	Dec	07	(Sun)	06:17	06:40	113	12:15	51S	17:50	247	18:13
2025	Dec	08	(Mon)	06:17	06:41	114	12:16	51S	17:50	246	18:14
2025	Dec	09	(Tue)	06:18	06:41	114	12:16	51S	17:51	246	18:14
2025	Dec	10	(Wed)	06:19	06:42	114	12:16	51S	17:51	246	18:14
2025	Dec	11	(Thu)	06:19	06:43	114	12:17	51S	17:51	246	18:15
2025	Dec	12	(Fri)	06:20	06:43	114	12:17	51S	17:52	246	18:15
2025	Dec	13	(Sat)	06:20	06:44	114	12:18	51S	17:52	246	18:15
2025	Dec	14	(Sun)	06:21	06:44	114	12:18	51S	17:52	246	18:16
2025	Dec	15	(Mon)	06:21	06:45	114	12:19	51S	17:53	246	18:16
2025	Dec	16	(Tue)	06:22	06:45	114	12:19	51S	17:53	246	18:17
2025	Dec	17	(Wed)	06:22	06:46	114	12:20	50S	17:54	246	18:17
2025	Dec	18	(Thu)	06:23	06:46	114	12:20	50S	17:54	246	18:18
2025	Dec	19	(Fri)	06:23	06:47	114	12:21	50S	17:55	246	18:18
2025	Dec	20	(Sat)	06:24	06:48	114	12:21	50S	17:55	246	18:19
2025	Dec	21	(Sun)	06:24	06:48	114	12:22	50S	17:55	246	18:19
2025	Dec	22	(Mon)	06:25	06:49	114	12:22	50S	17:56	246	18:20
2025	Dec	23	(Tue)	06:25	06:49	114	12:23	50S	17:57	246	18:20
2025	Dec	24	(Wed)	06:26	06:49	114	12:23	50S	17:57	246	18:21
2025	Dec	25	(Thu)	06:26	06:50	114	12:24	50S	17:58	246	18:21
2025	Dec	26	(Fri)	06:27	06:50	114	12:24	50S	17:58	246	18:22
2025	Dec	27	(Sat)	06:27	06:51	114	12:25	51S	17:59	246	18:22
2025	Dec	28	(Sun)	06:28	06:51	114	12:25	51S	17:59	246	18:23
2025	Dec	29	(Mon)	06:28	06:52	114	12:26	51S	18:00	246	18:23
2025	Dec	30	(Tue)	06:29	06:52	114	12:26	51S	18:00	246	18:24
2025	Dec	31	(Wed)	06:29	06:52	114	12:27	51S	18:01	246	18:24

Moon

Tak

Location: E 99°04'30.0", N16°51'57.5", 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)	08:03	117		13:42	48S		19:23	245	
2025	Jan	02	(Thu)	08:53	113		14:36	52S		20:23	249	
2025	Jan	03	(Fri)	09:38	108		15:28	58S		21:22	255	
2025	Jan	04	(Sat)	10:19	101		16:17	64S		22:19	262	
2025	Jan	05	(Sun)	10:58	94		17:04	71S		23:14	269	
2025	Jan	06	(Mon)	11:37	87		17:51	78S				
2025	Jan	07	(Tue)	12:16	80		18:40	85S		00:10	276	
2025	Jan	08	(Wed)	12:58	74		19:30	90N		01:08	283	
2025	Jan	09	(Thu)	13:44	68		20:25	85N		02:08	290	
2025	Jan	10	(Fri)	14:35	63		21:23	81N		03:10	295	
2025	Jan	11	(Sat)	15:31	61		22:24	79N		04:14	298	
2025	Jan	12	(Sun)	16:31	60		23:25	79N		05:18	300	
2025	Jan	13	(Mon)	17:34	62					06:18	299	
2025	Jan	14	(Tue)	18:35	65		00:25	81N		07:13	297	
2025	Jan	15	(Wed)	19:33	69		01:20	84N		08:01	293	
2025	Jan	16	(Thu)	20:27	75		02:10	89N		08:43	288	
2025	Jan	17	(Fri)	21:17	81		02:56	87S		09:21	282	
2025	Jan	18	(Sat)	22:05	87		03:38	81S		09:55	276	
2025	Jan	19	(Sun)	22:52	93		04:18	75S		10:28	270	
2025	Jan	20	(Mon)	23:39	99		04:58	69S		11:00	264	
2025	Jan	21	(Tue)				05:37	63S		11:32	258	
2025	Jan	22	(Wed)	00:26	105		06:18	58S		12:07	253	
2025	Jan	23	(Thu)	01:16	110		07:02	53S		12:45	248	
2025	Jan	24	(Fri)	02:08	114		07:49	49S		13:27	244	
2025	Jan	25	(Sat)	03:03	118		08:39	46S		14:15	241	

2025 Jan 26 (Sun)	03:59 120	09:34 45S	15:08 240
2025 Jan 27 (Mon)	04:57 120	10:31 45S	16:06 241
2025 Jan 28 (Tue)	05:52 118	11:29 47S	17:08 243
2025 Jan 29 (Wed)	06:44 115	12:25 50S	18:10 247
2025 Jan 30 (Thu)	07:32 110	13:19 56S	19:11 253
2025 Jan 31 (Fri)	08:16 104	14:11 62S	20:10 260
2025 Feb 01 (Sat)	08:57 97	15:00 69S	21:08 267
2025 Feb 02 (Sun)	09:36 89	15:48 76S	22:05 274
2025 Feb 03 (Mon)	10:16 82	16:37 83S	23:03 281
2025 Feb 04 (Tue)	10:57 75	17:27 90S	
2025 Feb 05 (Wed)	11:42 69	18:21 86N	00:02 288
2025 Feb 06 (Thu)	12:30 64	19:17 82N	01:04 294
2025 Feb 07 (Fri)	13:24 61	20:16 79N	02:07 297
2025 Feb 08 (Sat)	14:22 60	21:16 79N	03:09 300
2025 Feb 09 (Sun)	15:23 61	22:15 80N	04:10 300
2025 Feb 10 (Mon)	16:23 63	23:11 83N	05:05 298
2025 Feb 11 (Tue)	17:22 67		05:55 295
2025 Feb 12 (Wed)	18:17 73	00:02 87N	06:39 290
2025 Feb 13 (Thu)	19:08 78	00:49 89S	07:18 285
2025 Feb 14 (Fri)	19:57 84	01:33 83S	07:53 279
2025 Feb 15 (Sat)	20:45 91	02:14 77S	08:26 272
2025 Feb 16 (Sun)	21:32 97	02:53 71S	08:58 266
2025 Feb 17 (Mon)	22:19 103	03:33 65S	09:31 260
2025 Feb 18 (Tue)	23:07 108	04:13 60S	10:04 255
2025 Feb 19 (Wed)	23:58 113	04:55 55S	10:41 250
2025 Feb 20 (Thu)		05:40 51S	11:20 245
2025 Feb 21 (Fri)	00:51 117	06:29 47S	12:05 242
2025 Feb 22 (Sat)	01:46 119	07:21 45S	12:55 240
2025 Feb 23 (Sun)	02:42 120	08:16 44S	13:50 240
2025 Feb 24 (Mon)	03:38 119	09:13 46S	14:49 241
2025 Feb 25 (Tue)	04:31 117	10:10 48S	15:51 245
2025 Feb 26 (Wed)	05:20 113	11:05 53S	16:52 250
2025 Feb 27 (Thu)	06:06 107	11:58 59S	17:53 256
2025 Feb 28 (Fri)	06:49 100	12:49 65S	18:53 263
2025 Mar 01 (Sat)	07:31 93	13:39 73S	19:52 271
2025 Mar 02 (Sun)	08:11 85	14:29 80S	20:52 279
2025 Mar 03 (Mon)	08:53 78	15:21 87S	21:53 286
2025 Mar 04 (Tue)	09:38 71	16:14 88N	22:55 292
2025 Mar 05 (Wed)	10:26 66	17:11 83N	24:00 297
2025 Mar 06 (Thu)	11:20 62	18:11 80N	
2025 Mar 07 (Fri)	12:17 60	19:11 79N	01:04 299
2025 Mar 08 (Sat)	13:17 60	20:10 79N	02:05 300
2025 Mar 09 (Sun)	14:17 62	21:06 82N	03:02 299
2025 Mar 10 (Mon)	15:15 66	21:58 86N	03:52 296
2025 Mar 11 (Tue)	16:10 71	22:46 90N	04:37 292
2025 Mar 12 (Wed)	17:02 76	23:30 86S	05:17 287
2025 Mar 13 (Thu)	17:52 82		05:53 281
2025 Mar 14 (Fri)	18:40 88	00:11 80S	06:26 275
2025 Mar 15 (Sat)	19:26 95	00:51 74S	06:59 268
2025 Mar 16 (Sun)	20:13 101	01:30 68S	07:31 262
2025 Mar 17 (Mon)	21:01 106	02:10 62S	08:04 257
2025 Mar 18 (Tue)	21:51 111	02:52 57S	08:39 251
2025 Mar 19 (Wed)	22:43 115	03:35 52S	09:17 247
2025 Mar 20 (Thu)	23:37 118	04:22 48S	09:59 243
2025 Mar 21 (Fri)		05:12 46S	10:47 241
2025 Mar 22 (Sat)	00:32 120	06:05 45S	11:39 240
2025 Mar 23 (Sun)	01:26 120	07:00 45S	12:35 241
2025 Mar 24 (Mon)	02:19 118	07:55 47S	13:34 243
2025 Mar 25 (Tue)	03:09 115	08:50 50S	14:34 247
2025 Mar 26 (Wed)	03:55 110	09:43 55S	15:34 253
2025 Mar 27 (Thu)	04:39 104	10:34 62S	16:33 259
2025 Mar 28 (Fri)	05:21 97	11:24 69S	17:33 267
2025 Mar 29 (Sat)	06:02 89	12:15 76S	18:33 275
2025 Mar 30 (Sun)	06:44 81	13:07 84S	19:35 283
2025 Mar 31 (Mon)	07:28 74	14:01 91N	20:39 289
2025 Apr 01 (Tue)	08:17 68	14:59 85N	21:45 295
2025 Apr 02 (Wed)	09:10 63	16:00 81N	22:52 299
2025 Apr 03 (Thu)	10:08 61	17:02 79N	23:57 300
2025 Apr 04 (Fri)	11:09 60	18:03 79N	
2025 Apr 05 (Sat)	12:11 61	19:02 81N	00:56 299
2025 Apr 06 (Sun)	13:10 65	19:55 84N	01:50 297
2025 Apr 07 (Mon)	14:06 69	20:44 89N	02:36 293

2025 Apr 08 (Tue)	14:59 74	21:29 87S	03:18 288
2025 Apr 09 (Wed)	15:49 80	22:10 82S	03:54 283
2025 Apr 10 (Thu)	16:37 86	22:50 76S	04:28 277
2025 Apr 11 (Fri)	17:23 93	23:30 70S	05:00 271
2025 Apr 12 (Sat)	18:10 99		05:32 264
2025 Apr 13 (Sun)	18:57 104	00:09 64S	06:05 259
2025 Apr 14 (Mon)	19:46 110	00:50 58S	06:39 253
2025 Apr 15 (Tue)	20:38 114	01:33 54S	07:16 248
2025 Apr 16 (Wed)	21:31 117	02:19 50S	07:57 244
2025 Apr 17 (Thu)	22:25 119	03:07 47S	08:43 242
2025 Apr 18 (Fri)	23:19 120	03:59 45S	09:32 240
2025 Apr 19 (Sat)		04:53 45S	10:26 240
2025 Apr 20 (Sun)	00:12 119	05:47 46S	11:23 242
2025 Apr 21 (Mon)	01:01 116	06:40 49S	12:21 245
2025 Apr 22 (Tue)	01:48 112	07:32 53S	13:19 250
2025 Apr 23 (Wed)	02:31 107	08:22 59S	14:17 256
2025 Apr 24 (Thu)	03:12 100	09:11 65S	15:15 263
2025 Apr 25 (Fri)	03:52 93	10:00 72S	16:13 271
2025 Apr 26 (Sat)	04:33 85	10:51 80S	17:13 278
2025 Apr 27 (Sun)	05:16 78	11:43 87S	18:16 286
2025 Apr 28 (Mon)	06:03 71	12:40 88N	19:22 292
2025 Apr 29 (Tue)	06:55 65	13:41 83N	20:31 297
2025 Apr 30 (Wed)	07:52 62	14:45 80N	21:39 299
2025 May 01 (Thu)	08:55 60	15:49 79N	22:44 300
2025 May 02 (Fri)	09:59 61	16:51 80N	23:42 298
2025 May 03 (Sat)	11:01 63	17:48 83N	
2025 May 04 (Sun)	12:00 68	18:40 87N	00:33 294
2025 May 05 (Mon)	12:55 73	19:27 89S	01:16 290
2025 May 06 (Tue)	13:46 78	20:10 83S	01:55 284
2025 May 07 (Wed)	14:34 84	20:50 77S	02:30 278
2025 May 08 (Thu)	15:21 91	21:29 71S	03:03 272
2025 May 09 (Fri)	16:07 97	22:09 66S	03:34 266
2025 May 10 (Sat)	16:54 103	22:49 60S	04:07 260
2025 May 11 (Sun)	17:43 108	23:31 55S	04:40 255
2025 May 12 (Mon)	18:33 113		05:16 250
2025 May 13 (Tue)	19:26 116	00:16 51S	05:56 246
2025 May 14 (Wed)	20:20 119	01:04 47S	06:40 242
2025 May 15 (Thu)	21:15 120	01:55 45S	07:29 240
2025 May 16 (Fri)	22:08 119	02:48 45S	08:22 240
2025 May 17 (Sat)	22:58 117	03:42 46S	09:18 241
2025 May 18 (Sun)	23:44 114	04:35 48S	10:15 244
2025 May 19 (Mon)		05:27 52S	11:12 249
2025 May 20 (Tue)	00:27 109	06:16 57S	12:08 254
2025 May 21 (Wed)	01:08 103	07:04 63S	13:03 260
2025 May 22 (Thu)	01:47 96	07:51 70S	13:59 268
2025 May 23 (Fri)	02:26 89	08:39 77S	14:56 275
2025 May 24 (Sat)	03:06 81	09:29 84S	15:56 282
2025 May 25 (Sun)	03:50 74	10:22 91S	17:00 289
2025 May 26 (Mon)	04:39 68	11:20 85N	18:07 295
2025 May 27 (Tue)	05:33 63	12:23 81N	19:16 298
2025 May 28 (Wed)	06:34 61	13:29 79N	20:24 300
2025 May 29 (Thu)	07:39 60	14:34 79N	21:27 299
2025 May 30 (Fri)	08:45 62	15:35 82N	22:22 296
2025 May 31 (Sat)	09:47 66	16:31 86N	23:10 292
2025 Jun 01 (Sun)	10:45 71	17:21 91N	23:52 286
2025 Jun 02 (Mon)	11:39 76	18:06 85S	
2025 Jun 03 (Tue)	12:29 82	18:48 79S	00:29 280
2025 Jun 04 (Wed)	13:17 89	19:28 73S	01:03 274
2025 Jun 05 (Thu)	14:04 95	20:07 67S	01:35 268
2025 Jun 06 (Fri)	14:50 101	20:47 62S	02:07 262
2025 Jun 07 (Sat)	15:38 106	21:29 57S	02:41 257
2025 Jun 08 (Sun)	16:28 111	22:13 52S	03:16 251
2025 Jun 09 (Mon)	17:20 115	23:00 48S	03:55 247
2025 Jun 10 (Tue)	18:14 118	23:50 46S	04:37 243
2025 Jun 11 (Wed)	19:09 120		05:25 241
2025 Jun 12 (Thu)	20:03 120	00:43 45S	06:17 240
2025 Jun 13 (Fri)	20:55 118	01:38 45S	07:13 241
2025 Jun 14 (Sat)	21:43 115	02:31 47S	08:10 243
2025 Jun 15 (Sun)	22:27 110	03:24 51S	09:07 247
2025 Jun 16 (Mon)	23:08 104	04:13 55S	10:03 252
2025 Jun 17 (Tue)	23:46 98	05:01 61S	10:58 259
2025 Jun 18 (Wed)		05:47 67S	11:53 265

2025 Jun 19 (Thu)	00:24 91	06:34 74S	12:48 273
2025 Jun 20 (Fri)	01:02 84	07:21 81S	13:45 280
2025 Jun 21 (Sat)	01:43 77	08:11 88S	14:44 287
2025 Jun 22 (Sun)	02:28 71	09:06 87N	15:48 292
2025 Jun 23 (Mon)	03:19 65	10:05 83N	16:55 297
2025 Jun 24 (Tue)	04:16 62	11:08 80N	18:02 299
2025 Jun 25 (Wed)	05:18 60	12:13 79N	19:08 300
2025 Jun 26 (Thu)	06:24 61	13:17 80N	20:08 298
2025 Jun 27 (Fri)	07:29 64	14:16 84N	21:00 294
2025 Jun 28 (Sat)	08:31 69	15:10 88N	21:45 289
2025 Jun 29 (Sun)	09:28 74	15:58 88S	22:25 283
2025 Jun 30 (Mon)	10:20 80	16:43 82S	23:01 277
2025 Jul 01 (Tue)	11:10 86	17:24 76S	23:34 270
2025 Jul 02 (Wed)	11:58 93	18:04 69S	
2025 Jul 03 (Thu)	12:45 99	18:44 64S	00:07 264
2025 Jul 04 (Fri)	13:33 104	19:25 58S	00:40 258
2025 Jul 05 (Sat)	14:22 110	20:08 54S	01:14 253
2025 Jul 06 (Sun)	15:13 114	20:54 50S	01:52 248
2025 Jul 07 (Mon)	16:06 117	21:43 47S	02:33 244
2025 Jul 08 (Tue)	17:01 119	22:36 45S	03:19 242
2025 Jul 09 (Wed)	17:56 120	23:30 45S	04:10 240
2025 Jul 10 (Thu)	18:49 119		05:05 240
2025 Jul 11 (Fri)	19:39 116	00:25 46S	06:02 242
2025 Jul 12 (Sat)	20:25 112	01:19 49S	07:01 246
2025 Jul 13 (Sun)	21:07 106	02:10 54S	07:58 251
2025 Jul 14 (Mon)	21:47 100	02:59 59S	08:54 257
2025 Jul 15 (Tue)	22:25 93	03:46 66S	09:49 264
2025 Jul 16 (Wed)	23:03 86	04:32 72S	10:44 271
2025 Jul 17 (Thu)	23:42 79	05:19 79S	11:39 278
2025 Jul 18 (Fri)		06:07 86S	12:37 285
2025 Jul 19 (Sat)	00:24 72	06:59 89N	13:37 291
2025 Jul 20 (Sun)	01:11 67	07:54 84N	14:41 296
2025 Jul 21 (Mon)	02:04 63	08:54 81N	15:47 299
2025 Jul 22 (Tue)	03:03 60	09:58 79N	16:52 300
2025 Jul 23 (Wed)	04:07 60	11:01 79N	17:53 299
2025 Jul 24 (Thu)	05:12 62	12:02 82N	18:48 296
2025 Jul 25 (Fri)	06:14 66	12:58 86N	19:37 291
2025 Jul 26 (Sat)	07:14 71	13:48 90S	20:19 285
2025 Jul 27 (Sun)	08:09 77	14:35 84S	20:57 279
2025 Jul 28 (Mon)	09:00 84	15:18 78S	21:31 273
2025 Jul 29 (Tue)	09:50 90	15:59 72S	22:05 267
2025 Jul 30 (Wed)	10:37 97	16:39 66S	22:38 261
2025 Jul 31 (Thu)	11:25 102	17:20 60S	23:12 255
2025 Aug 01 (Fri)	12:14 108	18:02 55S	23:48 250
2025 Aug 02 (Sat)	13:05 113	18:47 51S	
2025 Aug 03 (Sun)	13:57 116	19:35 48S	00:28 246
2025 Aug 04 (Mon)	14:51 119	20:26 45S	01:11 242
2025 Aug 05 (Tue)	15:46 120	21:20 45S	02:00 240
2025 Aug 06 (Wed)	16:40 119	22:15 45S	02:54 240
2025 Aug 07 (Thu)	17:31 117	23:09 48S	03:50 241
2025 Aug 08 (Fri)	18:19 113		04:49 244
2025 Aug 09 (Sat)	19:04 108	00:02 52S	05:48 249
2025 Aug 10 (Sun)	19:45 102	00:53 57S	06:46 255
2025 Aug 11 (Mon)	20:24 95	01:41 63S	07:42 261
2025 Aug 12 (Tue)	21:02 88	02:29 70S	08:38 268
2025 Aug 13 (Wed)	21:42 81	03:16 77S	09:34 276
2025 Aug 14 (Thu)	22:23 74	04:04 84S	10:32 283
2025 Aug 15 (Fri)	23:09 68	04:55 91S	11:32 289
2025 Aug 16 (Sat)	23:59 64	05:50 85N	12:34 294
2025 Aug 17 (Sun)		06:48 81N	13:39 298
2025 Aug 18 (Mon)	00:56 61	07:49 79N	14:43 300
2025 Aug 19 (Tue)	01:56 60	08:51 79N	15:44 299
2025 Aug 20 (Wed)	03:00 61	09:51 81N	16:40 297
2025 Aug 21 (Thu)	04:02 65	10:48 84N	17:30 293
2025 Aug 22 (Fri)	05:02 69	11:40 89N	18:14 288
2025 Aug 23 (Sat)	05:58 75	12:28 87S	18:53 282
2025 Aug 24 (Sun)	06:51 81	13:12 81S	19:29 276
2025 Aug 25 (Mon)	07:41 88	13:54 74S	20:03 269
2025 Aug 26 (Tue)	08:29 94	14:34 68S	20:36 263
2025 Aug 27 (Wed)	09:18 100	15:15 62S	21:09 257
2025 Aug 28 (Thu)	10:06 106	15:57 57S	21:45 252
2025 Aug 29 (Fri)	10:56 111	16:41 52S	22:23 247

2025 Aug 30 (Sat)	11:48 115	17:27 49S	23:05 243
2025 Aug 31 (Sun)	12:41 118	18:17 46S	23:51 241
2025 Sep 01 (Mon)	13:35 120	19:09 45S	
2025 Sep 02 (Tue)	14:29 120	20:02 45S	00:42 240
2025 Sep 03 (Wed)	15:21 118	20:57 47S	01:37 240
2025 Sep 04 (Thu)	16:10 115	21:50 50S	02:34 243
2025 Sep 05 (Fri)	16:56 111	22:42 55S	03:33 247
2025 Sep 06 (Sat)	17:38 105	23:32 60S	04:31 252
2025 Sep 07 (Sun)	18:19 98		05:29 258
2025 Sep 08 (Mon)	18:59 91	00:20 67S	06:26 265
2025 Sep 09 (Tue)	19:38 84	01:09 74S	07:24 273
2025 Sep 10 (Wed)	20:20 76	01:58 82S	08:22 280
2025 Sep 11 (Thu)	21:06 70	02:49 89S	09:23 287
2025 Sep 12 (Fri)	21:56 65	03:44 87N	10:26 293
2025 Sep 13 (Sat)	22:51 61	04:42 82N	11:32 297
2025 Sep 14 (Sun)	23:50 60	05:43 80N	12:37 300
2025 Sep 15 (Mon)		06:45 79N	13:39 300
2025 Sep 16 (Tue)	00:53 61	07:46 80N	14:36 298
2025 Sep 17 (Wed)	01:55 63	08:43 83N	15:27 295
2025 Sep 18 (Thu)	02:55 67	09:35 87N	16:12 290
2025 Sep 19 (Fri)	03:51 73	10:23 89S	16:52 284
2025 Sep 20 (Sat)	04:44 79	11:08 83S	17:28 278
2025 Sep 21 (Sun)	05:34 85	11:50 77S	18:02 272
2025 Sep 22 (Mon)	06:23 91	12:31 71S	18:35 265
2025 Sep 23 (Tue)	07:11 98	13:11 65S	19:08 259
2025 Sep 24 (Wed)	07:59 104	13:53 59S	19:43 254
2025 Sep 25 (Thu)	08:49 109	14:36 54S	20:20 249
2025 Sep 26 (Fri)	09:40 113	15:21 50S	21:00 245
2025 Sep 27 (Sat)	10:32 117	16:09 47S	21:45 242
2025 Sep 28 (Sun)	11:25 119	17:00 45S	22:33 240
2025 Sep 29 (Mon)	12:19 120	17:52 45S	23:26 240
2025 Sep 30 (Tue)	13:11 119	18:45 46S	
2025 Oct 01 (Wed)	14:00 117	19:38 48S	00:21 242
2025 Oct 02 (Thu)	14:46 113	20:29 52S	01:18 245
2025 Oct 03 (Fri)	15:30 108	21:19 57S	02:15 249
2025 Oct 04 (Sat)	16:11 102	22:08 64S	03:12 255
2025 Oct 05 (Sun)	16:50 95	22:56 71S	04:09 262
2025 Oct 06 (Mon)	17:30 87	23:45 78S	05:07 269
2025 Oct 07 (Tue)	18:12 80		06:05 277
2025 Oct 08 (Wed)	18:57 73	00:37 85S	07:07 284
2025 Oct 09 (Thu)	19:47 67	01:32 89N	08:11 291
2025 Oct 10 (Fri)	20:42 63	02:30 84N	09:18 296
2025 Oct 11 (Sat)	21:42 60	03:33 80N	10:26 299
2025 Oct 12 (Sun)	22:45 60	04:36 79N	11:31 300
2025 Oct 13 (Mon)	23:49 62	05:39 79N	12:31 299
2025 Oct 14 (Tue)		06:38 82N	13:25 296
2025 Oct 15 (Wed)	00:50 66	07:32 86N	14:11 291
2025 Oct 16 (Thu)	01:47 71	08:21 91S	14:52 286
2025 Oct 17 (Fri)	02:40 77	09:07 85S	15:29 280
2025 Oct 18 (Sat)	03:31 83	09:49 79S	16:03 274
2025 Oct 19 (Sun)	04:19 89	10:30 73S	16:36 268
2025 Oct 20 (Mon)	05:07 96	11:10 67S	17:09 261
2025 Oct 21 (Tue)	05:55 102	11:51 61S	17:43 256
2025 Oct 22 (Wed)	06:44 107	12:33 56S	18:19 251
2025 Oct 23 (Thu)	07:34 112	13:17 51S	18:58 246
2025 Oct 24 (Fri)	08:26 116	14:04 48S	19:41 243
2025 Oct 25 (Sat)	09:19 118	14:54 46S	20:28 241
2025 Oct 26 (Sun)	10:12 120	15:45 45S	21:19 240
2025 Oct 27 (Mon)	11:04 120	16:38 45S	22:12 241
2025 Oct 28 (Tue)	11:53 118	17:29 47S	23:07 243
2025 Oct 29 (Wed)	12:39 115	18:20 51S	
2025 Oct 30 (Thu)	13:22 110	19:09 55S	00:03 247
2025 Oct 31 (Fri)	14:03 105	19:56 61S	00:58 252
2025 Nov 01 (Sat)	14:42 98	20:43 67S	01:53 258
2025 Nov 02 (Sun)	15:21 91	21:31 74S	02:49 265
2025 Nov 03 (Mon)	16:01 84	22:21 82S	03:46 273
2025 Nov 04 (Tue)	16:44 76	23:14 89S	04:45 280
2025 Nov 05 (Wed)	17:32 70		05:48 287
2025 Nov 06 (Thu)	18:26 65	00:11 87N	06:55 293
2025 Nov 07 (Fri)	19:26 61	01:13 82N	08:05 297
2025 Nov 08 (Sat)	20:30 60	02:19 79N	09:14 300
2025 Nov 09 (Sun)	21:37 62	03:25 79N	10:19 299

2025 Nov 10 (Mon)	22:41 65	04:28 81N	11:18 297
2025 Nov 11 (Tue)	23:41 70	05:26 85N	12:08 293
2025 Nov 12 (Wed)		06:18 89N	12:51 288
2025 Nov 13 (Thu)	00:36 75	07:05 87S	13:30 282
2025 Nov 14 (Fri)	01:28 81	07:48 81S	14:05 276
2025 Nov 15 (Sat)	02:17 88	08:29 74S	14:38 269
2025 Nov 16 (Sun)	03:04 94	09:09 68S	15:11 263
2025 Nov 17 (Mon)	03:52 100	09:50 63S	15:44 257
2025 Nov 18 (Tue)	04:40 105	10:31 57S	16:20 252
2025 Nov 19 (Wed)	05:30 110	11:15 53S	16:58 248
2025 Nov 20 (Thu)	06:21 115	12:01 49S	17:39 244
2025 Nov 21 (Fri)	07:14 118	12:50 46S	18:25 241
2025 Nov 22 (Sat)	08:07 119	13:41 45S	19:15 240
2025 Nov 23 (Sun)	08:59 120	14:33 45S	20:07 241
2025 Nov 24 (Mon)	09:49 118	15:25 47S	21:02 243
2025 Nov 25 (Tue)	10:36 116	16:15 50S	21:57 246
2025 Nov 26 (Wed)	11:19 112	17:04 54S	22:51 251
2025 Nov 27 (Thu)	12:00 107	17:50 59S	23:44 256
2025 Nov 28 (Fri)	12:38 101	18:36 65S	
2025 Nov 29 (Sat)	13:15 94	19:21 71S	00:37 262
2025 Nov 30 (Sun)	13:53 87	20:08 78S	01:31 269
2025 Dec 01 (Mon)	14:33 80	20:57 85S	02:27 277
2025 Dec 02 (Tue)	15:17 73	21:51 90N	03:26 284
2025 Dec 03 (Wed)	16:07 67	22:50 84N	04:30 290
2025 Dec 04 (Thu)	17:03 63	23:55 81N	05:38 295
2025 Dec 05 (Fri)	18:07 61		06:48 299
2025 Dec 06 (Sat)	19:15 61	01:02 79N	07:57 300
2025 Dec 07 (Sun)	20:23 63	02:09 80N	09:01 298
2025 Dec 08 (Mon)	21:27 68	03:12 83N	09:57 295
2025 Dec 09 (Tue)	22:26 73	04:08 87N	10:45 290
2025 Dec 10 (Wed)	23:21 79	04:59 89S	11:27 284
2025 Dec 11 (Thu)		05:45 83S	12:04 278
2025 Dec 12 (Fri)	00:12 86	06:27 76S	12:39 271
2025 Dec 13 (Sat)	01:01 92	07:08 70S	13:12 265
2025 Dec 14 (Sun)	01:49 98	07:49 64S	13:45 259
2025 Dec 15 (Mon)	02:37 104	08:30 59S	14:20 254
2025 Dec 16 (Tue)	03:26 109	09:13 54S	14:57 249
2025 Dec 17 (Wed)	04:16 113	09:58 50S	15:37 245
2025 Dec 18 (Thu)	05:09 117	10:46 47S	16:22 242
2025 Dec 19 (Fri)	06:02 119	11:37 45S	17:11 241
2025 Dec 20 (Sat)	06:55 120	12:29 45S	18:03 241
2025 Dec 21 (Sun)	07:46 119	13:21 46S	18:57 242
2025 Dec 22 (Mon)	08:34 117	14:12 49S	19:52 245
2025 Dec 23 (Tue)	09:19 113	15:01 52S	20:47 249
2025 Dec 24 (Wed)	10:00 108	15:48 57S	21:40 255
2025 Dec 25 (Thu)	10:38 102	16:33 63S	22:33 261
2025 Dec 26 (Fri)	11:14 96	17:18 69S	23:25 267
2025 Dec 27 (Sat)	11:51 89	18:02 76S	
2025 Dec 28 (Sun)	12:28 82	18:49 83S	00:18 274
2025 Dec 29 (Mon)	13:09 76	19:38 89S	01:14 281
2025 Dec 30 (Tue)	13:54 70	20:33 87N	02:13 288
2025 Dec 31 (Wed)	14:46 65	21:33 82N	03:16 293