

Sun

VTML

Location: E100°37'00.0", N14°48'00.0", 98m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2024 Jan 01 (Mon)	05:53	06:43 114		12:21 53S	17:59 246		18:49
2024 Jan 02 (Tue)	05:53	06:43 114		12:21 53S	17:59 246		18:49
2024 Jan 03 (Wed)	05:54	06:43 113		12:22 53S	18:00 247		18:50
2024 Jan 04 (Thu)	05:54	06:44 113		12:22 53S	18:01 247		18:50
2024 Jan 05 (Fri)	05:54	06:44 113		12:23 53S	18:01 247		18:51
2024 Jan 06 (Sat)	05:55	06:44 113		12:23 53S	18:02 247		18:51
2024 Jan 07 (Sun)	05:55	06:45 113		12:23 53S	18:02 247		18:52
2024 Jan 08 (Mon)	05:55	06:45 113		12:24 54S	18:03 247		18:53
2024 Jan 09 (Tue)	05:56	06:45 113		12:24 54S	18:03 247		18:53
2024 Jan 10 (Wed)	05:56	06:45 113		12:25 54S	18:04 247		18:54
2024 Jan 11 (Thu)	05:56	06:46 112		12:25 54S	18:05 248		18:54
2024 Jan 12 (Fri)	05:56	06:46 112		12:26 54S	18:05 248		18:55
2024 Jan 13 (Sat)	05:57	06:46 112		12:26 54S	18:06 248		18:55
2024 Jan 14 (Sun)	05:57	06:46 112		12:26 55S	18:06 248		18:56
2024 Jan 15 (Mon)	05:57	06:46 112		12:27 55S	18:07 248		18:56
2024 Jan 16 (Tue)	05:57	06:47 112		12:27 55S	18:08 248		18:57
2024 Jan 17 (Wed)	05:58	06:47 111		12:27 55S	18:08 249		18:57
2024 Jan 18 (Thu)	05:58	06:47 111		12:28 55S	18:09 249		18:58
2024 Jan 19 (Fri)	05:58	06:47 111		12:28 55S	18:09 249		18:58
2024 Jan 20 (Sat)	05:58	06:47 111		12:28 56S	18:10 249		18:59
2024 Jan 21 (Sun)	05:58	06:47 111		12:29 56S	18:10 250		18:59
2024 Jan 22 (Mon)	05:58	06:47 110		12:29 56S	18:11 250		19:00
2024 Jan 23 (Tue)	05:58	06:47 110		12:29 56S	18:11 250		19:00
2024 Jan 24 (Wed)	05:58	06:47 110		12:29 57S	18:12 250		19:01
2024 Jan 25 (Thu)	05:58	06:47 110		12:30 57S	18:12 251		19:01
2024 Jan 26 (Fri)	05:58	06:47 109		12:30 57S	18:13 251		19:02
2024 Jan 27 (Sat)	05:58	06:47 109		12:30 57S	18:13 251		19:02
2024 Jan 28 (Sun)	05:58	06:47 109		12:30 58S	18:14 251		19:02
2024 Jan 29 (Mon)	05:58	06:47 109		12:30 58S	18:14 252		19:03
2024 Jan 30 (Tue)	05:58	06:47 108		12:31 58S	18:15 252		19:03
2024 Jan 31 (Wed)	05:58	06:46 108		12:31 58S	18:15 252		19:04
2024 Feb 01 (Thu)	05:58	06:46 108		12:31 59S	18:16 252		19:04
2024 Feb 02 (Fri)	05:58	06:46 107		12:31 59S	18:16 253		19:04
2024 Feb 03 (Sat)	05:58	06:46 107		12:31 59S	18:17 253		19:05
2024 Feb 04 (Sun)	05:58	06:46 107		12:31 60S	18:17 253		19:05
2024 Feb 05 (Mon)	05:58	06:45 106		12:31 60S	18:18 254		19:05
2024 Feb 06 (Tue)	05:57	06:45 106		12:32 60S	18:18 254		19:06
2024 Feb 07 (Wed)	05:57	06:45 106		12:32 60S	18:19 254		19:06
2024 Feb 08 (Thu)	05:57	06:45 106		12:32 61S	18:19 255		19:07
2024 Feb 09 (Fri)	05:57	06:44 105		12:32 61S	18:19 255		19:07
2024 Feb 10 (Sat)	05:56	06:44 105		12:32 61S	18:20 255		19:07
2024 Feb 11 (Sun)	05:56	06:44 105		12:32 62S	18:20 256		19:07
2024 Feb 12 (Mon)	05:56	06:43 104		12:32 62S	18:20 256		19:08
2024 Feb 13 (Tue)	05:56	06:43 104		12:32 62S	18:21 256		19:08
2024 Feb 14 (Wed)	05:55	06:42 104		12:32 63S	18:21 257		19:08
2024 Feb 15 (Thu)	05:55	06:42 103		12:32 63S	18:21 257		19:09
2024 Feb 16 (Fri)	05:55	06:42 103		12:32 63S	18:22 257		19:09
2024 Feb 17 (Sat)	05:54	06:41 102		12:32 64S	18:22 258		19:09
2024 Feb 18 (Sun)	05:54	06:41 102		12:31 64S	18:22 258		19:09
2024 Feb 19 (Mon)	05:53	06:40 102		12:31 64S	18:23 258		19:10
2024 Feb 20 (Tue)	05:53	06:40 101		12:31 65S	18:23 259		19:10
2024 Feb 21 (Wed)	05:52	06:39 101		12:31 65S	18:23 259		19:10
2024 Feb 22 (Thu)	05:52	06:39 101		12:31 66S	18:24 260		19:10
2024 Feb 23 (Fri)	05:52	06:38 100		12:31 66S	18:24 260		19:11
2024 Feb 24 (Sat)	05:51	06:38 100		12:31 66S	18:24 260		19:11

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

2024	May	02	(Thu)	05:06	05:54	74	12:14	90N	18:35	286	19:24
2024	May	03	(Fri)	05:05	05:54	73	12:14	90N	18:35	287	19:24
2024	May	04	(Sat)	05:05	05:53	73	12:14	89N	18:35	287	19:24
2024	May	05	(Sun)	05:04	05:53	73	12:14	89N	18:36	287	19:25
2024	May	06	(Mon)	05:04	05:53	73	12:14	89N	18:36	288	19:25
2024	May	07	(Tue)	05:03	05:52	72	12:14	89N	18:36	288	19:25
2024	May	08	(Wed)	05:03	05:52	72	12:14	88N	18:36	288	19:26
2024	May	09	(Thu)	05:02	05:51	72	12:14	88N	18:37	288	19:26
2024	May	10	(Fri)	05:02	05:51	71	12:14	88N	18:37	289	19:26
2024	May	11	(Sat)	05:01	05:51	71	12:14	87N	18:37	289	19:27
2024	May	12	(Sun)	05:01	05:50	71	12:14	87N	18:38	289	19:27
2024	May	13	(Mon)	05:01	05:50	71	12:14	87N	18:38	289	19:27
2024	May	14	(Tue)	05:00	05:50	70	12:14	87N	18:38	290	19:28
2024	May	15	(Wed)	05:00	05:49	70	12:14	87N	18:38	290	19:28
2024	May	16	(Thu)	04:59	05:49	70	12:14	86N	18:39	290	19:29
2024	May	17	(Fri)	04:59	05:49	70	12:14	86N	18:39	290	19:29
2024	May	18	(Sat)	04:59	05:49	69	12:14	86N	18:39	291	19:29
2024	May	19	(Sun)	04:58	05:49	69	12:14	86N	18:40	291	19:30
2024	May	20	(Mon)	04:58	05:48	69	12:14	85N	18:40	291	19:30
2024	May	21	(Tue)	04:58	05:48	69	12:14	85N	18:40	291	19:31
2024	May	22	(Wed)	04:58	05:48	69	12:14	85N	18:41	292	19:31
2024	May	23	(Thu)	04:57	05:48	68	12:14	85N	18:41	292	19:31
2024	May	24	(Fri)	04:57	05:48	68	12:14	85N	18:41	292	19:32
2024	May	25	(Sat)	04:57	05:48	68	12:15	84N	18:42	292	19:32
2024	May	26	(Sun)	04:57	05:47	68	12:15	84N	18:42	292	19:33
2024	May	27	(Mon)	04:57	05:47	68	12:15	84N	18:42	292	19:33
2024	May	28	(Tue)	04:57	05:47	67	12:15	84N	18:43	293	19:33
2024	May	29	(Wed)	04:56	05:47	67	12:15	84N	18:43	293	19:34
2024	May	30	(Thu)	04:56	05:47	67	12:15	84N	18:43	293	19:34
2024	May	31	(Fri)	04:56	05:47	67	12:15	84N	18:44	293	19:35
2024	Jun	01	(Sat)	04:56	05:47	67	12:15	83N	18:44	293	19:35
2024	Jun	02	(Sun)	04:56	05:47	67	12:16	83N	18:44	293	19:35
2024	Jun	03	(Mon)	04:56	05:47	67	12:16	83N	18:45	293	19:36
2024	Jun	04	(Tue)	04:56	05:47	66	12:16	83N	18:45	294	19:36
2024	Jun	05	(Wed)	04:56	05:47	66	12:16	83N	18:45	294	19:36
2024	Jun	06	(Thu)	04:56	05:47	66	12:16	83N	18:45	294	19:37
2024	Jun	07	(Fri)	04:56	05:47	66	12:16	83N	18:46	294	19:37
2024	Jun	08	(Sat)	04:56	05:47	66	12:17	83N	18:46	294	19:37
2024	Jun	09	(Sun)	04:56	05:47	66	12:17	83N	18:46	294	19:38
2024	Jun	10	(Mon)	04:56	05:47	66	12:17	82N	18:47	294	19:38
2024	Jun	11	(Tue)	04:56	05:48	66	12:17	82N	18:47	294	19:38
2024	Jun	12	(Wed)	04:56	05:48	66	12:17	82N	18:47	294	19:39
2024	Jun	13	(Thu)	04:56	05:48	66	12:18	82N	18:48	294	19:39
2024	Jun	14	(Fri)	04:56	05:48	66	12:18	82N	18:48	294	19:39
2024	Jun	15	(Sat)	04:57	05:48	66	12:18	82N	18:48	294	19:40
2024	Jun	16	(Sun)	04:57	05:48	66	12:18	82N	18:48	294	19:40
2024	Jun	17	(Mon)	04:57	05:48	66	12:19	82N	18:49	294	19:40
2024	Jun	18	(Tue)	04:57	05:49	65	12:19	82N	18:49	295	19:40
2024	Jun	19	(Wed)	04:57	05:49	65	12:19	82N	18:49	295	19:41
2024	Jun	20	(Thu)	04:57	05:49	65	12:19	82N	18:49	295	19:41
2024	Jun	21	(Fri)	04:58	05:49	65	12:19	82N	18:50	295	19:41
2024	Jun	22	(Sat)	04:58	05:50	65	12:20	82N	18:50	295	19:41
2024	Jun	23	(Sun)	04:58	05:50	65	12:20	82N	18:50	295	19:42
2024	Jun	24	(Mon)	04:58	05:50	65	12:20	82N	18:50	294	19:42
2024	Jun	25	(Tue)	04:59	05:50	66	12:20	82N	18:50	294	19:42
2024	Jun	26	(Wed)	04:59	05:50	66	12:20	82N	18:50	294	19:42
2024	Jun	27	(Thu)	04:59	05:51	66	12:21	82N	18:51	294	19:42
2024	Jun	28	(Fri)	04:59	05:51	66	12:21	82N	18:51	294	19:42
2024	Jun	29	(Sat)	05:00	05:51	66	12:21	82N	18:51	294	19:42
2024	Jun	30	(Sun)	05:00	05:52	66	12:21	82N	18:51	294	19:42
2024	Jul	01	(Mon)	05:00	05:52	66	12:21	82N	18:51	294	19:43
2024	Jul	02	(Tue)	05:01	05:52	66	12:22	83N	18:51	294	19:43
2024	Jul	03	(Wed)	05:01	05:52	66	12:22	83N	18:51	294	19:43
2024	Jul	04	(Thu)	05:01	05:53	66	12:22	83N	18:51	294	19:43
2024	Jul	05	(Fri)	05:02	05:53	66	12:22	83N	18:51	294	19:43
2024	Jul	06	(Sat)	05:02	05:53	66	12:22	83N	18:51	294	19:43
2024	Jul	07	(Sun)	05:02	05:54	66	12:23	83N	18:51	294	19:43

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

2024	Sep 13	(Fri)	05:20	06:06	86	12:13	80S	18:20	274	19:07
2024	Sep 14	(Sat)	05:20	06:06	86	12:13	79S	18:20	273	19:06
2024	Sep 15	(Sun)	05:20	06:06	87	12:13	79S	18:19	273	19:05
2024	Sep 16	(Mon)	05:20	06:06	87	12:12	78S	18:18	273	19:04
2024	Sep 17	(Tue)	05:20	06:06	88	12:12	78S	18:17	272	19:04
2024	Sep 18	(Wed)	05:20	06:06	88	12:12	78S	18:17	272	19:03
2024	Sep 19	(Thu)	05:20	06:06	88	12:11	77S	18:16	271	19:02
2024	Sep 20	(Fri)	05:20	06:06	89	12:11	77S	18:15	271	19:01
2024	Sep 21	(Sat)	05:20	06:07	89	12:11	76S	18:14	271	19:01
2024	Sep 22	(Sun)	05:20	06:07	90	12:10	76S	18:14	270	19:00
2024	Sep 23	(Mon)	05:20	06:07	90	12:10	76S	18:13	270	18:59
2024	Sep 24	(Tue)	05:20	06:07	90	12:09	75S	18:12	269	18:58
2024	Sep 25	(Wed)	05:21	06:07	91	12:09	75S	18:11	269	18:57
2024	Sep 26	(Thu)	05:21	06:07	91	12:09	74S	18:11	269	18:57
2024	Sep 27	(Fri)	05:21	06:07	92	12:08	74S	18:10	268	18:56
2024	Sep 28	(Sat)	05:21	06:07	92	12:08	74S	18:09	268	18:55
2024	Sep 29	(Sun)	05:21	06:07	92	12:08	73S	18:08	267	18:54
2024	Sep 30	(Mon)	05:21	06:07	93	12:07	73S	18:08	267	18:54
2024	Oct 01	(Tue)	05:21	06:07	93	12:07	73S	18:07	267	18:53
2024	Oct 02	(Wed)	05:21	06:07	94	12:07	72S	18:06	266	18:52
2024	Oct 03	(Thu)	05:21	06:07	94	12:06	72S	18:05	266	18:52
2024	Oct 04	(Fri)	05:21	06:08	94	12:06	71S	18:05	265	18:51
2024	Oct 05	(Sat)	05:21	06:08	95	12:06	71S	18:04	265	18:50
2024	Oct 06	(Sun)	05:21	06:08	95	12:06	71S	18:03	265	18:50
2024	Oct 07	(Mon)	05:22	06:08	96	12:05	70S	18:03	264	18:49
2024	Oct 08	(Tue)	05:22	06:08	96	12:05	70S	18:02	264	18:48
2024	Oct 09	(Wed)	05:22	06:08	96	12:05	69S	18:01	263	18:48
2024	Oct 10	(Thu)	05:22	06:08	97	12:04	69S	18:01	263	18:47
2024	Oct 11	(Fri)	05:22	06:08	97	12:04	69S	18:00	263	18:46
2024	Oct 12	(Sat)	05:22	06:09	98	12:04	68S	17:59	262	18:46
2024	Oct 13	(Sun)	05:22	06:09	98	12:04	68S	17:59	262	18:45
2024	Oct 14	(Mon)	05:22	06:09	98	12:03	68S	17:58	262	18:44
2024	Oct 15	(Tue)	05:22	06:09	99	12:03	67S	17:57	261	18:44
2024	Oct 16	(Wed)	05:23	06:09	99	12:03	67S	17:57	261	18:43
2024	Oct 17	(Thu)	05:23	06:09	99	12:03	66S	17:56	260	18:43
2024	Oct 18	(Fri)	05:23	06:10	100	12:03	66S	17:56	260	18:42
2024	Oct 19	(Sat)	05:23	06:10	100	12:02	66S	17:55	260	18:42
2024	Oct 20	(Sun)	05:23	06:10	101	12:02	65S	17:54	259	18:41
2024	Oct 21	(Mon)	05:23	06:10	101	12:02	65S	17:54	259	18:41
2024	Oct 22	(Tue)	05:24	06:10	101	12:02	65S	17:53	259	18:40
2024	Oct 23	(Wed)	05:24	06:11	102	12:02	64S	17:53	258	18:40
2024	Oct 24	(Thu)	05:24	06:11	102	12:02	64S	17:52	258	18:39
2024	Oct 25	(Fri)	05:24	06:11	102	12:02	64S	17:52	257	18:39
2024	Oct 26	(Sat)	05:24	06:11	103	12:01	63S	17:51	257	18:38
2024	Oct 27	(Sun)	05:25	06:12	103	12:01	63S	17:51	257	18:38
2024	Oct 28	(Mon)	05:25	06:12	103	12:01	63S	17:50	256	18:38
2024	Oct 29	(Tue)	05:25	06:12	104	12:01	62S	17:50	256	18:37
2024	Oct 30	(Wed)	05:25	06:13	104	12:01	62S	17:50	256	18:37
2024	Oct 31	(Thu)	05:25	06:13	104	12:01	62S	17:49	255	18:37
2024	Nov 01	(Fri)	05:26	06:13	105	12:01	61S	17:49	255	18:36
2024	Nov 02	(Sat)	05:26	06:14	105	12:01	61S	17:48	255	18:36
2024	Nov 03	(Sun)	05:26	06:14	105	12:01	61S	17:48	254	18:36
2024	Nov 04	(Mon)	05:27	06:14	106	12:01	60S	17:48	254	18:35
2024	Nov 05	(Tue)	05:27	06:15	106	12:01	60S	17:47	254	18:35
2024	Nov 06	(Wed)	05:27	06:15	106	12:01	60S	17:47	253	18:35
2024	Nov 07	(Thu)	05:27	06:15	107	12:01	59S	17:47	253	18:35
2024	Nov 08	(Fri)	05:28	06:16	107	12:01	59S	17:47	253	18:35
2024	Nov 09	(Sat)	05:28	06:16	107	12:01	59S	17:46	253	18:34
2024	Nov 10	(Sun)	05:28	06:17	108	12:01	59S	17:46	252	18:34
2024	Nov 11	(Mon)	05:29	06:17	108	12:02	58S	17:46	252	18:34
2024	Nov 12	(Tue)	05:29	06:17	108	12:02	58S	17:46	252	18:34
2024	Nov 13	(Wed)	05:30	06:18	108	12:02	58S	17:46	251	18:34
2024	Nov 14	(Thu)	05:30	06:18	109	12:02	58S	17:45	251	18:34
2024	Nov 15	(Fri)	05:30	06:19	109	12:02	57S	17:45	251	18:34
2024	Nov 16	(Sat)	05:31	06:19	109	12:02	57S	17:45	251	18:34
2024	Nov 17	(Sun)	05:31	06:20	109	12:03	57S	17:45	250	18:34
2024	Nov 18	(Mon)	05:32	06:20	110	12:03	57S	17:45	250	18:34

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

Sun

VTML

Location: E100°37'00.0", N14°48'00.0", 98m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m				
2024	Jan	01	(Mon)	06:19	06:43	114	12:21	53S	17:59	246	18:22
2024	Jan	02	(Tue)	06:20	06:43	114	12:21	53S	17:59	246	18:23
2024	Jan	03	(Wed)	06:20	06:43	113	12:22	53S	18:00	247	18:23
2024	Jan	04	(Thu)	06:21	06:44	113	12:22	53S	18:01	247	18:24
2024	Jan	05	(Fri)	06:21	06:44	113	12:23	53S	18:01	247	18:24
2024	Jan	06	(Sat)	06:21	06:44	113	12:23	53S	18:02	247	18:25
2024	Jan	07	(Sun)	06:22	06:45	113	12:23	53S	18:02	247	18:25
2024	Jan	08	(Mon)	06:22	06:45	113	12:24	54S	18:03	247	18:26
2024	Jan	09	(Tue)	06:22	06:45	113	12:24	54S	18:03	247	18:27
2024	Jan	10	(Wed)	06:22	06:45	113	12:25	54S	18:04	247	18:27
2024	Jan	11	(Thu)	06:23	06:46	112	12:25	54S	18:05	248	18:28

2024	Jan	12	(Fri)	06:23	06:46	112	12:26	54S	18:05	248	18:28
2024	Jan	13	(Sat)	06:23	06:46	112	12:26	54S	18:06	248	18:29
2024	Jan	14	(Sun)	06:23	06:46	112	12:26	55S	18:06	248	18:29
2024	Jan	15	(Mon)	06:24	06:46	112	12:27	55S	18:07	248	18:30
2024	Jan	16	(Tue)	06:24	06:47	112	12:27	55S	18:08	248	18:30
2024	Jan	17	(Wed)	06:24	06:47	111	12:27	55S	18:08	249	18:31
2024	Jan	18	(Thu)	06:24	06:47	111	12:28	55S	18:09	249	18:31
2024	Jan	19	(Fri)	06:24	06:47	111	12:28	55S	18:09	249	18:32
2024	Jan	20	(Sat)	06:24	06:47	111	12:28	56S	18:10	249	18:33
2024	Jan	21	(Sun)	06:24	06:47	111	12:29	56S	18:10	250	18:33
2024	Jan	22	(Mon)	06:24	06:47	110	12:29	56S	18:11	250	18:34
2024	Jan	23	(Tue)	06:24	06:47	110	12:29	56S	18:11	250	18:34
2024	Jan	24	(Wed)	06:24	06:47	110	12:29	57S	18:12	250	18:35
2024	Jan	25	(Thu)	06:24	06:47	110	12:30	57S	18:12	251	18:35
2024	Jan	26	(Fri)	06:24	06:47	109	12:30	57S	18:13	251	18:36
2024	Jan	27	(Sat)	06:24	06:47	109	12:30	57S	18:13	251	18:36
2024	Jan	28	(Sun)	06:24	06:47	109	12:30	58S	18:14	251	18:36
2024	Jan	29	(Mon)	06:24	06:47	109	12:30	58S	18:14	252	18:37
2024	Jan	30	(Tue)	06:24	06:47	108	12:31	58S	18:15	252	18:37
2024	Jan	31	(Wed)	06:24	06:46	108	12:31	58S	18:15	252	18:38
2024	Feb	01	(Thu)	06:24	06:46	108	12:31	59S	18:16	252	18:38
2024	Feb	02	(Fri)	06:24	06:46	107	12:31	59S	18:16	253	18:39
2024	Feb	03	(Sat)	06:24	06:46	107	12:31	59S	18:17	253	18:39
2024	Feb	04	(Sun)	06:23	06:46	107	12:31	60S	18:17	253	18:39
2024	Feb	05	(Mon)	06:23	06:45	106	12:31	60S	18:18	254	18:40
2024	Feb	06	(Tue)	06:23	06:45	106	12:32	60S	18:18	254	18:40
2024	Feb	07	(Wed)	06:23	06:45	106	12:32	60S	18:19	254	18:41
2024	Feb	08	(Thu)	06:22	06:45	106	12:32	61S	18:19	255	18:41
2024	Feb	09	(Fri)	06:22	06:44	105	12:32	61S	18:19	255	18:41
2024	Feb	10	(Sat)	06:22	06:44	105	12:32	61S	18:20	255	18:42
2024	Feb	11	(Sun)	06:22	06:44	105	12:32	62S	18:20	256	18:42
2024	Feb	12	(Mon)	06:21	06:43	104	12:32	62S	18:20	256	18:42
2024	Feb	13	(Tue)	06:21	06:43	104	12:32	62S	18:21	256	18:43
2024	Feb	14	(Wed)	06:21	06:42	104	12:32	63S	18:21	257	18:43
2024	Feb	15	(Thu)	06:20	06:42	103	12:32	63S	18:21	257	18:43
2024	Feb	16	(Fri)	06:20	06:42	103	12:32	63S	18:22	257	18:44
2024	Feb	17	(Sat)	06:19	06:41	102	12:32	64S	18:22	258	18:44
2024	Feb	18	(Sun)	06:19	06:41	102	12:31	64S	18:22	258	18:44
2024	Feb	19	(Mon)	06:19	06:40	102	12:31	64S	18:23	258	18:44
2024	Feb	20	(Tue)	06:18	06:40	101	12:31	65S	18:23	259	18:45
2024	Feb	21	(Wed)	06:18	06:39	101	12:31	65S	18:23	259	18:45
2024	Feb	22	(Thu)	06:17	06:39	101	12:31	66S	18:24	260	18:45
2024	Feb	23	(Fri)	06:17	06:38	100	12:31	66S	18:24	260	18:45
2024	Feb	24	(Sat)	06:16	06:38	100	12:31	66S	18:24	260	18:46
2024	Feb	25	(Sun)	06:16	06:37	99	12:31	67S	18:24	261	18:46
2024	Feb	26	(Mon)	06:15	06:37	99	12:31	67S	18:25	261	18:46
2024	Feb	27	(Tue)	06:15	06:36	99	12:30	67S	18:25	261	18:46
2024	Feb	28	(Wed)	06:14	06:36	98	12:30	68S	18:25	262	18:47
2024	Feb	29	(Thu)	06:13	06:35	98	12:30	68S	18:25	262	18:47
2024	Mar	01	(Fri)	06:13	06:34	98	12:30	69S	18:25	263	18:47
2024	Mar	02	(Sat)	06:12	06:34	97	12:30	69S	18:26	263	18:47
2024	Mar	03	(Sun)	06:12	06:33	97	12:29	69S	18:26	263	18:47
2024	Mar	04	(Mon)	06:11	06:32	96	12:29	70S	18:26	264	18:48
2024	Mar	05	(Tue)	06:10	06:32	96	12:29	70S	18:26	264	18:48
2024	Mar	06	(Wed)	06:10	06:31	96	12:29	70S	18:26	265	18:48
2024	Mar	07	(Thu)	06:09	06:31	95	12:28	71S	18:27	265	18:48
2024	Mar	08	(Fri)	06:08	06:30	95	12:28	71S	18:27	265	18:48
2024	Mar	09	(Sat)	06:08	06:29	94	12:28	72S	18:27	266	18:48
2024	Mar	10	(Sun)	06:07	06:29	94	12:28	72S	18:27	266	18:48
2024	Mar	11	(Mon)	06:07	06:28	94	12:27	72S	18:27	267	18:49
2024	Mar	12	(Tue)	06:06	06:27	93	12:27	73S	18:27	267	18:49
2024	Mar	13	(Wed)	06:05	06:27	93	12:27	73S	18:28	268	18:49
2024	Mar	14	(Thu)	06:04	06:26	92	12:27	74S	18:28	268	18:49
2024	Mar	15	(Fri)	06:04	06:25	92	12:26	74S	18:28	268	18:49
2024	Mar	16	(Sat)	06:03	06:24	91	12:26	74S	18:28	269	18:49
2024	Mar	17	(Sun)	06:02	06:24	91	12:26	75S	18:28	269	18:49
2024	Mar	18	(Mon)	06:02	06:23	91	12:26	75S	18:28	270	18:50

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

2024	May	25	(Sat)	05:24	05:48	68	12:15	84N	18:42	292	19:05
2024	May	26	(Sun)	05:24	05:47	68	12:15	84N	18:42	292	19:05
2024	May	27	(Mon)	05:24	05:47	68	12:15	84N	18:42	292	19:06
2024	May	28	(Tue)	05:24	05:47	67	12:15	84N	18:43	293	19:06
2024	May	29	(Wed)	05:24	05:47	67	12:15	84N	18:43	293	19:06
2024	May	30	(Thu)	05:24	05:47	67	12:15	84N	18:43	293	19:07
2024	May	31	(Fri)	05:24	05:47	67	12:15	84N	18:44	293	19:07
2024	Jun	01	(Sat)	05:24	05:47	67	12:15	83N	18:44	293	19:07
2024	Jun	02	(Sun)	05:24	05:47	67	12:16	83N	18:44	293	19:08
2024	Jun	03	(Mon)	05:24	05:47	67	12:16	83N	18:45	293	19:08
2024	Jun	04	(Tue)	05:24	05:47	66	12:16	83N	18:45	294	19:08
2024	Jun	05	(Wed)	05:24	05:47	66	12:16	83N	18:45	294	19:09
2024	Jun	06	(Thu)	05:24	05:47	66	12:16	83N	18:45	294	19:09
2024	Jun	07	(Fri)	05:24	05:47	66	12:16	83N	18:46	294	19:09
2024	Jun	08	(Sat)	05:24	05:47	66	12:17	83N	18:46	294	19:10
2024	Jun	09	(Sun)	05:24	05:47	66	12:17	83N	18:46	294	19:10
2024	Jun	10	(Mon)	05:24	05:47	66	12:17	82N	18:47	294	19:10
2024	Jun	11	(Tue)	05:24	05:48	66	12:17	82N	18:47	294	19:11
2024	Jun	12	(Wed)	05:24	05:48	66	12:17	82N	18:47	294	19:11
2024	Jun	13	(Thu)	05:24	05:48	66	12:18	82N	18:48	294	19:11
2024	Jun	14	(Fri)	05:24	05:48	66	12:18	82N	18:48	294	19:11
2024	Jun	15	(Sat)	05:24	05:48	66	12:18	82N	18:48	294	19:12
2024	Jun	16	(Sun)	05:25	05:48	66	12:18	82N	18:48	294	19:12
2024	Jun	17	(Mon)	05:25	05:48	66	12:19	82N	18:49	294	19:12
2024	Jun	18	(Tue)	05:25	05:49	65	12:19	82N	18:49	295	19:13
2024	Jun	19	(Wed)	05:25	05:49	65	12:19	82N	18:49	295	19:13
2024	Jun	20	(Thu)	05:25	05:49	65	12:19	82N	18:49	295	19:13
2024	Jun	21	(Fri)	05:26	05:49	65	12:19	82N	18:50	295	19:13
2024	Jun	22	(Sat)	05:26	05:50	65	12:20	82N	18:50	295	19:13
2024	Jun	23	(Sun)	05:26	05:50	65	12:20	82N	18:50	295	19:14
2024	Jun	24	(Mon)	05:26	05:50	65	12:20	82N	18:50	294	19:14
2024	Jun	25	(Tue)	05:27	05:50	66	12:20	82N	18:50	294	19:14
2024	Jun	26	(Wed)	05:27	05:50	66	12:20	82N	18:50	294	19:14
2024	Jun	27	(Thu)	05:27	05:51	66	12:21	82N	18:51	294	19:14
2024	Jun	28	(Fri)	05:27	05:51	66	12:21	82N	18:51	294	19:14
2024	Jun	29	(Sat)	05:28	05:51	66	12:21	82N	18:51	294	19:14
2024	Jun	30	(Sun)	05:28	05:52	66	12:21	82N	18:51	294	19:15
2024	Jul	01	(Mon)	05:28	05:52	66	12:21	82N	18:51	294	19:15
2024	Jul	02	(Tue)	05:28	05:52	66	12:22	83N	18:51	294	19:15
2024	Jul	03	(Wed)	05:29	05:52	66	12:22	83N	18:51	294	19:15
2024	Jul	04	(Thu)	05:29	05:53	66	12:22	83N	18:51	294	19:15
2024	Jul	05	(Fri)	05:29	05:53	66	12:22	83N	18:51	294	19:15
2024	Jul	06	(Sat)	05:30	05:53	66	12:22	83N	18:51	294	19:15
2024	Jul	07	(Sun)	05:30	05:54	66	12:23	83N	18:51	294	19:15
2024	Jul	08	(Mon)	05:30	05:54	67	12:23	83N	18:51	293	19:15
2024	Jul	09	(Tue)	05:31	05:54	67	12:23	83N	18:51	293	19:15
2024	Jul	10	(Wed)	05:31	05:54	67	12:23	83N	18:51	293	19:15
2024	Jul	11	(Thu)	05:31	05:55	67	12:23	83N	18:51	293	19:15
2024	Jul	12	(Fri)	05:32	05:55	67	12:23	84N	18:51	293	19:15
2024	Jul	13	(Sat)	05:32	05:55	67	12:23	84N	18:51	293	19:15
2024	Jul	14	(Sun)	05:32	05:56	67	12:23	84N	18:51	293	19:14
2024	Jul	15	(Mon)	05:33	05:56	68	12:24	84N	18:51	292	19:14
2024	Jul	16	(Tue)	05:33	05:56	68	12:24	84N	18:51	292	19:14
2024	Jul	17	(Wed)	05:33	05:57	68	12:24	84N	18:51	292	19:14
2024	Jul	18	(Thu)	05:34	05:57	68	12:24	85N	18:51	292	19:14
2024	Jul	19	(Fri)	05:34	05:57	68	12:24	85N	18:51	292	19:14
2024	Jul	20	(Sat)	05:34	05:57	68	12:24	85N	18:50	291	19:13
2024	Jul	21	(Sun)	05:35	05:58	69	12:24	85N	18:50	291	19:13
2024	Jul	22	(Mon)	05:35	05:58	69	12:24	85N	18:50	291	19:13
2024	Jul	23	(Tue)	05:35	05:58	69	12:24	86N	18:50	291	19:13
2024	Jul	24	(Wed)	05:36	05:59	69	12:24	86N	18:49	291	19:12
2024	Jul	25	(Thu)	05:36	05:59	69	12:24	86N	18:49	290	19:12
2024	Jul	26	(Fri)	05:36	05:59	70	12:24	86N	18:49	290	19:12
2024	Jul	27	(Sat)	05:36	05:59	70	12:24	86N	18:49	290	19:11
2024	Jul	28	(Sun)	05:37	06:00	70	12:24	87N	18:48	290	19:11
2024	Jul	29	(Mon)	05:37	06:00	70	12:24	87N	18:48	289	19:11
2024	Jul	30	(Tue)	05:37	06:00	71	12:24	87N	18:48	289	19:10

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

2024	Oct	06	(Sun)	05:46	06:08	95	12:06	71S	18:03	265	18:25
2024	Oct	07	(Mon)	05:46	06:08	96	12:05	70S	18:03	264	18:24
2024	Oct	08	(Tue)	05:47	06:08	96	12:05	70S	18:02	264	18:23
2024	Oct	09	(Wed)	05:47	06:08	96	12:05	69S	18:01	263	18:23
2024	Oct	10	(Thu)	05:47	06:08	97	12:04	69S	18:01	263	18:22
2024	Oct	11	(Fri)	05:47	06:08	97	12:04	69S	18:00	263	18:21
2024	Oct	12	(Sat)	05:47	06:09	98	12:04	68S	17:59	262	18:21
2024	Oct	13	(Sun)	05:47	06:09	98	12:04	68S	17:59	262	18:20
2024	Oct	14	(Mon)	05:47	06:09	98	12:03	68S	17:58	262	18:20
2024	Oct	15	(Tue)	05:47	06:09	99	12:03	67S	17:57	261	18:19
2024	Oct	16	(Wed)	05:48	06:09	99	12:03	67S	17:57	261	18:18
2024	Oct	17	(Thu)	05:48	06:09	99	12:03	66S	17:56	260	18:18
2024	Oct	18	(Fri)	05:48	06:10	100	12:03	66S	17:56	260	18:17
2024	Oct	19	(Sat)	05:48	06:10	100	12:02	66S	17:55	260	18:17
2024	Oct	20	(Sun)	05:48	06:10	101	12:02	65S	17:54	259	18:16
2024	Oct	21	(Mon)	05:48	06:10	101	12:02	65S	17:54	259	18:16
2024	Oct	22	(Tue)	05:49	06:10	101	12:02	65S	17:53	259	18:15
2024	Oct	23	(Wed)	05:49	06:11	102	12:02	64S	17:53	258	18:15
2024	Oct	24	(Thu)	05:49	06:11	102	12:02	64S	17:52	258	18:14
2024	Oct	25	(Fri)	05:49	06:11	102	12:02	64S	17:52	257	18:14
2024	Oct	26	(Sat)	05:50	06:11	103	12:01	63S	17:51	257	18:13
2024	Oct	27	(Sun)	05:50	06:12	103	12:01	63S	17:51	257	18:13
2024	Oct	28	(Mon)	05:50	06:12	103	12:01	63S	17:50	256	18:12
2024	Oct	29	(Tue)	05:50	06:12	104	12:01	62S	17:50	256	18:12
2024	Oct	30	(Wed)	05:51	06:13	104	12:01	62S	17:50	256	18:12
2024	Oct	31	(Thu)	05:51	06:13	104	12:01	62S	17:49	255	18:11
2024	Nov	01	(Fri)	05:51	06:13	105	12:01	61S	17:49	255	18:11
2024	Nov	02	(Sat)	05:51	06:14	105	12:01	61S	17:48	255	18:11
2024	Nov	03	(Sun)	05:52	06:14	105	12:01	61S	17:48	254	18:10
2024	Nov	04	(Mon)	05:52	06:14	106	12:01	60S	17:48	254	18:10
2024	Nov	05	(Tue)	05:52	06:15	106	12:01	60S	17:47	254	18:10
2024	Nov	06	(Wed)	05:53	06:15	106	12:01	60S	17:47	253	18:09
2024	Nov	07	(Thu)	05:53	06:15	107	12:01	59S	17:47	253	18:09
2024	Nov	08	(Fri)	05:54	06:16	107	12:01	59S	17:47	253	18:09
2024	Nov	09	(Sat)	05:54	06:16	107	12:01	59S	17:46	253	18:09
2024	Nov	10	(Sun)	05:54	06:17	108	12:01	59S	17:46	252	18:09
2024	Nov	11	(Mon)	05:55	06:17	108	12:02	58S	17:46	252	18:08
2024	Nov	12	(Tue)	05:55	06:17	108	12:02	58S	17:46	252	18:08
2024	Nov	13	(Wed)	05:55	06:18	108	12:02	58S	17:46	251	18:08
2024	Nov	14	(Thu)	05:56	06:18	109	12:02	58S	17:45	251	18:08
2024	Nov	15	(Fri)	05:56	06:19	109	12:02	57S	17:45	251	18:08
2024	Nov	16	(Sat)	05:57	06:19	109	12:02	57S	17:45	251	18:08
2024	Nov	17	(Sun)	05:57	06:20	109	12:03	57S	17:45	250	18:08
2024	Nov	18	(Mon)	05:58	06:20	110	12:03	57S	17:45	250	18:08
2024	Nov	19	(Tue)	05:58	06:21	110	12:03	56S	17:45	250	18:08
2024	Nov	20	(Wed)	05:59	06:21	110	12:03	56S	17:45	250	18:08
2024	Nov	21	(Thu)	05:59	06:22	110	12:03	56S	17:45	249	18:08
2024	Nov	22	(Fri)	05:59	06:22	111	12:04	56S	17:45	249	18:08
2024	Nov	23	(Sat)	06:00	06:23	111	12:04	55S	17:45	249	18:08
2024	Nov	24	(Sun)	06:00	06:23	111	12:04	55S	17:45	249	18:08
2024	Nov	25	(Mon)	06:01	06:24	111	12:05	55S	17:45	249	18:08
2024	Nov	26	(Tue)	06:01	06:24	112	12:05	55S	17:45	248	18:08
2024	Nov	27	(Wed)	06:02	06:25	112	12:05	55S	17:45	248	18:08
2024	Nov	28	(Thu)	06:03	06:25	112	12:06	55S	17:46	248	18:08
2024	Nov	29	(Fri)	06:03	06:26	112	12:06	54S	17:46	248	18:09
2024	Nov	30	(Sat)	06:04	06:27	112	12:06	54S	17:46	248	18:09
2024	Dec	01	(Sun)	06:04	06:27	112	12:07	54S	17:46	248	18:09
2024	Dec	02	(Mon)	06:05	06:28	113	12:07	54S	17:46	247	18:09
2024	Dec	03	(Tue)	06:05	06:28	113	12:07	54S	17:46	247	18:10
2024	Dec	04	(Wed)	06:06	06:29	113	12:08	54S	17:47	247	18:10
2024	Dec	05	(Thu)	06:06	06:29	113	12:08	53S	17:47	247	18:10
2024	Dec	06	(Fri)	06:07	06:30	113	12:09	53S	17:47	247	18:10
2024	Dec	07	(Sat)	06:07	06:31	113	12:09	53S	17:48	247	18:11
2024	Dec	08	(Sun)	06:08	06:31	113	12:10	53S	17:48	247	18:11
2024	Dec	09	(Mon)	06:08	06:32	113	12:10	53S	17:48	247	18:11
2024	Dec	10	(Tue)	06:09	06:32	114	12:10	53S	17:49	246	18:12
2024	Dec	11	(Wed)	06:10	06:33	114	12:11	53S	17:49	246	18:12

2024	Dec 12	(Thu)	06:10	06:33	114	12:11	53S	17:49	246	18:13
2024	Dec 13	(Fri)	06:11	06:34	114	12:12	53S	17:50	246	18:13
2024	Dec 14	(Sat)	06:11	06:34	114	12:12	53S	17:50	246	18:13
2024	Dec 15	(Sun)	06:12	06:35	114	12:13	53S	17:51	246	18:14
2024	Dec 16	(Mon)	06:12	06:36	114	12:13	53S	17:51	246	18:14
2024	Dec 17	(Tue)	06:13	06:36	114	12:14	53S	17:51	246	18:15
2024	Dec 18	(Wed)	06:13	06:37	114	12:14	53S	17:52	246	18:15
2024	Dec 19	(Thu)	06:14	06:37	114	12:15	52S	17:52	246	18:16
2024	Dec 20	(Fri)	06:14	06:38	114	12:15	52S	17:53	246	18:16
2024	Dec 21	(Sat)	06:15	06:38	114	12:16	52S	17:53	246	18:17
2024	Dec 22	(Sun)	06:15	06:39	114	12:16	52S	17:54	246	18:17
2024	Dec 23	(Mon)	06:16	06:39	114	12:17	52S	17:54	246	18:18
2024	Dec 24	(Tue)	06:16	06:40	114	12:17	53S	17:55	246	18:18
2024	Dec 25	(Wed)	06:17	06:40	114	12:18	53S	17:55	246	18:19
2024	Dec 26	(Thu)	06:17	06:40	114	12:18	53S	17:56	246	18:19
2024	Dec 27	(Fri)	06:18	06:41	114	12:19	53S	17:56	246	18:20
2024	Dec 28	(Sat)	06:18	06:41	114	12:19	53S	17:57	246	18:20
2024	Dec 29	(Sun)	06:19	06:42	114	12:20	53S	17:58	246	18:21
2024	Dec 30	(Mon)	06:19	06:42	114	12:20	53S	17:58	246	18:21
2024	Dec 31	(Tue)	06:19	06:43	114	12:21	53S	17:59	246	18:22

Moon

VTML

Location: E100°37'00.0", N14°48'00.0", 98m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit Alt.	Set	Az.
	h m °		h m °	h m °	
2024 Jan 01 (Mon)	22:29	80	04:09 89S	10:32	282
2024 Jan 02 (Tue)	23:15	86	04:49 84S	11:05	277
2024 Jan 03 (Wed)			05:28 78S	11:38	271
2024 Jan 04 (Thu)	00:00	92	06:07 72S	12:11	265
2024 Jan 05 (Fri)	00:46	98	06:48 66S	12:46	259
2024 Jan 06 (Sat)	01:35	104	07:31 61S	13:23	253
2024 Jan 07 (Sun)	02:27	109	08:17 56S	14:05	248
2024 Jan 08 (Mon)	03:23	114	09:09 51S	14:53	244
2024 Jan 09 (Tue)	04:23	117	10:06 48S	15:48	242
2024 Jan 10 (Wed)	05:26	119	11:08 47S	16:49	241
2024 Jan 11 (Thu)	06:30	119	12:11 48S	17:54	242
2024 Jan 12 (Fri)	07:30	116	13:14 51S	19:01	246
2024 Jan 13 (Sat)	08:24	112	14:14 56S	20:06	251
2024 Jan 14 (Sun)	09:14	106	15:09 62S	21:08	257
2024 Jan 15 (Mon)	09:58	99	16:01 68S	22:06	264
2024 Jan 16 (Tue)	10:40	92	16:49 76S	23:03	272
2024 Jan 17 (Wed)	11:20	85	17:37 83S	23:58	279
2024 Jan 18 (Thu)	12:01	78	18:25 89S		
2024 Jan 19 (Fri)	12:43	72	19:15 87N	00:53	285
2024 Jan 20 (Sat)	13:28	67	20:06 82N	01:50	291
2024 Jan 21 (Sun)	14:17	63	21:00 79N	02:47	295
2024 Jan 22 (Mon)	15:09	61	21:55 77N	03:45	298
2024 Jan 23 (Tue)	16:03	61	22:50 77N	04:42	299
2024 Jan 24 (Wed)	16:59	62	23:44 79N	05:37	299
2024 Jan 25 (Thu)	17:54	65		06:27	297
2024 Jan 26 (Fri)	18:46	68	00:34 82N	07:12	293
2024 Jan 27 (Sat)	19:36	73	01:21 86N	07:53	289
2024 Jan 28 (Sun)	20:24	79	02:05 91N	08:30	284
2024 Jan 29 (Mon)	21:10	84	02:46 86S	09:05	279
2024 Jan 30 (Tue)	21:55	90	03:25 80S	09:38	273
2024 Jan 31 (Wed)	22:40	96	04:04 74S	10:10	267
2024 Feb 01 (Thu)	23:27	102	04:43 68S	10:44	261
2024 Feb 02 (Fri)			05:24 63S	11:19	255
2024 Feb 03 (Sat)	00:16	107	06:08 57S	11:58	250
2024 Feb 04 (Sun)	01:09	112	06:57 53S	12:42	246

2024 Feb 05 (Mon)	02:06 116	07:50 49S	13:32 242
2024 Feb 06 (Tue)	03:07 119	08:48 47S	14:28 241
2024 Feb 07 (Wed)	04:09 119	09:50 47S	15:31 241
2024 Feb 08 (Thu)	05:10 118	10:53 49S	16:37 243
2024 Feb 09 (Fri)	06:08 114	11:55 53S	17:44 248
2024 Feb 10 (Sat)	07:01 109	12:53 58S	18:49 254
2024 Feb 11 (Sun)	07:49 102	13:48 65S	19:51 261
2024 Feb 12 (Mon)	08:33 95	14:40 73S	20:50 269
2024 Feb 13 (Tue)	09:15 88	15:30 80S	21:48 276
2024 Feb 14 (Wed)	09:57 80	16:19 87S	22:45 283
2024 Feb 15 (Thu)	10:40 74	17:10 88N	23:43 289
2024 Feb 16 (Fri)	11:25 68	18:02 83N	
2024 Feb 17 (Sat)	12:13 64	18:56 80N	00:42 294
2024 Feb 18 (Sun)	13:05 62	19:51 77N	01:40 297
2024 Feb 19 (Mon)	13:59 61	20:46 77N	02:38 299
2024 Feb 20 (Tue)	14:54 61	21:40 78N	03:33 299
2024 Feb 21 (Wed)	15:49 63	22:31 81N	04:24 298
2024 Feb 22 (Thu)	16:42 67	23:18 84N	05:10 295
2024 Feb 23 (Fri)	17:32 71		05:52 291
2024 Feb 24 (Sat)	18:20 77	00:03 89N	06:30 286
2024 Feb 25 (Sun)	19:07 82	00:45 87S	07:05 280
2024 Feb 26 (Mon)	19:52 88	01:24 82S	07:39 275
2024 Feb 27 (Tue)	20:37 94	02:03 76S	08:11 269
2024 Feb 28 (Wed)	21:23 100	02:42 70S	08:44 263
2024 Feb 29 (Thu)	22:11 106	03:22 64S	09:18 257
2024 Mar 01 (Fri)	23:02 111	04:05 59S	09:55 252
2024 Mar 02 (Sat)	23:56 115	04:50 54S	10:36 247
2024 Mar 03 (Sun)		05:40 50S	11:23 243
2024 Mar 04 (Mon)	00:53 118	06:35 48S	12:15 241
2024 Mar 05 (Tue)	01:53 120	07:33 47S	13:13 240
2024 Mar 06 (Wed)	02:53 119	08:34 48S	14:16 242
2024 Mar 07 (Thu)	03:51 117	09:35 50S	15:21 245
2024 Mar 08 (Fri)	04:45 112	10:34 55S	16:26 250
2024 Mar 09 (Sat)	05:35 106	11:30 61S	17:29 257
2024 Mar 10 (Sun)	06:21 99	12:24 69S	18:30 265
2024 Mar 11 (Mon)	07:05 91	13:15 76S	19:30 272
2024 Mar 12 (Tue)	07:48 84	14:07 84S	20:30 280
2024 Mar 13 (Wed)	08:32 77	14:59 91S	21:29 287
2024 Mar 14 (Thu)	09:17 70	15:52 85N	22:30 292
2024 Mar 15 (Fri)	10:06 65	16:47 81N	23:31 297
2024 Mar 16 (Sat)	10:58 62	17:44 78N	
2024 Mar 17 (Sun)	11:53 61	18:40 77N	00:31 299
2024 Mar 18 (Mon)	12:48 61	19:35 77N	01:28 300
2024 Mar 19 (Tue)	13:44 63	20:27 79N	02:21 298
2024 Mar 20 (Wed)	14:37 66	21:16 83N	03:09 296
2024 Mar 21 (Thu)	15:29 70	22:01 87N	03:52 292
2024 Mar 22 (Fri)	16:17 75	22:44 89S	04:31 288
2024 Mar 23 (Sat)	17:04 80	23:24 84S	05:07 282
2024 Mar 24 (Sun)	17:50 86		05:40 277
2024 Mar 25 (Mon)	18:35 92	00:03 78S	06:13 271
2024 Mar 26 (Tue)	19:21 98	00:42 72S	06:46 265
2024 Mar 27 (Wed)	20:08 104	01:22 66S	07:20 259
2024 Mar 28 (Thu)	20:58 109	02:03 61S	07:56 253
2024 Mar 29 (Fri)	21:51 114	02:48 56S	08:35 248
2024 Mar 30 (Sat)	22:47 117	03:36 51S	09:19 244
2024 Mar 31 (Sun)	23:45 119	04:28 48S	10:09 242
2024 Apr 01 (Mon)		05:24 47S	11:04 240
2024 Apr 02 (Tue)	00:43 120	06:23 47S	12:03 241
2024 Apr 03 (Wed)	01:40 118	07:22 49S	13:05 243
2024 Apr 04 (Thu)	02:34 114	08:20 53S	14:08 248
2024 Apr 05 (Fri)	03:23 109	09:15 58S	15:10 254
2024 Apr 06 (Sat)	04:10 103	10:08 65S	16:10 261
2024 Apr 07 (Sun)	04:54 96	11:00 72S	17:10 268
2024 Apr 08 (Mon)	05:36 88	11:51 80S	18:09 276
2024 Apr 09 (Tue)	06:20 80	12:42 87S	19:09 283
2024 Apr 10 (Wed)	07:05 73	13:36 88N	20:11 290
2024 Apr 11 (Thu)	07:54 68	14:32 83N	21:14 295

2024 Apr 12 (Fri)	08:46 63	15:30 79N	22:16 298
2024 Apr 13 (Sat)	09:41 61	16:29 77N	23:17 300
2024 Apr 14 (Sun)	10:38 60	17:26 77N	
2024 Apr 15 (Mon)	11:36 62	18:21 79N	00:13 299
2024 Apr 16 (Tue)	12:31 64	19:12 82N	01:04 297
2024 Apr 17 (Wed)	13:24 68	19:58 86N	01:50 294
2024 Apr 18 (Thu)	14:13 73	20:42 90N	02:30 289
2024 Apr 19 (Fri)	15:01 78	21:23 86S	03:07 284
2024 Apr 20 (Sat)	15:47 84	22:02 80S	03:41 279
2024 Apr 21 (Sun)	16:32 90	22:41 74S	04:14 273
2024 Apr 22 (Mon)	17:17 96	23:20 68S	04:47 267
2024 Apr 23 (Tue)	18:04 102		05:20 261
2024 Apr 24 (Wed)	18:54 108	00:02 62S	05:56 255
2024 Apr 25 (Thu)	19:46 113	00:45 57S	06:35 250
2024 Apr 26 (Fri)	20:42 116	01:33 53S	07:18 246
2024 Apr 27 (Sat)	21:39 119	02:24 49S	08:06 242
2024 Apr 28 (Sun)	22:38 120	03:20 47S	08:59 241
2024 Apr 29 (Mon)	23:35 119	04:17 47S	09:57 241
2024 Apr 30 (Tue)		05:16 48S	10:58 242
2024 May 01 (Wed)	00:28 116	06:13 51S	11:59 246
2024 May 02 (Thu)	01:18 111	07:07 56S	12:59 251
2024 May 03 (Fri)	02:04 105	07:59 62S	13:58 258
2024 May 04 (Sat)	02:47 99	08:49 69S	14:56 265
2024 May 05 (Sun)	03:29 91	09:39 76S	15:53 272
2024 May 06 (Mon)	04:10 84	10:29 83S	16:51 280
2024 May 07 (Tue)	04:54 77	11:20 90S	17:51 287
2024 May 08 (Wed)	05:40 70	12:15 85N	18:53 292
2024 May 09 (Thu)	06:31 65	13:12 81N	19:57 297
2024 May 10 (Fri)	07:25 62	14:12 78N	21:00 299
2024 May 11 (Sat)	08:23 61	15:12 77N	22:00 299
2024 May 12 (Sun)	09:22 61	16:09 78N	22:55 298
2024 May 13 (Mon)	10:20 63	17:03 80N	23:44 295
2024 May 14 (Tue)	11:15 67	17:52 84N	
2024 May 15 (Wed)	12:07 71	18:38 89N	00:27 291
2024 May 16 (Thu)	12:55 76	19:20 88S	01:05 286
2024 May 17 (Fri)	13:42 82	20:00 82S	01:41 281
2024 May 18 (Sat)	14:27 88	20:38 76S	02:14 275
2024 May 19 (Sun)	15:12 94	21:18 70S	02:47 269
2024 May 20 (Mon)	15:59 100	21:58 64S	03:20 263
2024 May 21 (Tue)	16:47 106	22:41 59S	03:54 257
2024 May 22 (Wed)	17:39 111	23:28 54S	04:32 252
2024 May 23 (Thu)	18:34 115		05:14 247
2024 May 24 (Fri)	19:32 118	00:18 50S	06:01 243
2024 May 25 (Sat)	20:31 119	01:13 48S	06:53 241
2024 May 26 (Sun)	21:30 119	02:11 47S	07:51 241
2024 May 27 (Mon)	22:25 117	03:10 48S	08:52 242
2024 May 28 (Tue)	23:16 113	04:08 50S	09:53 245
2024 May 29 (Wed)		05:03 55S	10:54 250
2024 May 30 (Thu)	00:02 107	05:56 60S	11:52 256
2024 May 31 (Fri)	00:45 101	06:45 67S	12:49 263
2024 Jun 01 (Sat)	01:26 94	07:33 74S	13:45 270
2024 Jun 02 (Sun)	02:06 87	08:21 81S	14:40 277
2024 Jun 03 (Mon)	02:48 80	09:11 88S	15:38 284
2024 Jun 04 (Tue)	03:32 73	10:03 88N	16:38 290
2024 Jun 05 (Wed)	04:19 68	10:58 82N	17:40 295
2024 Jun 06 (Thu)	05:11 63	11:56 79N	18:43 298
2024 Jun 07 (Fri)	06:08 61	12:56 77N	19:44 299
2024 Jun 08 (Sat)	07:07 61	13:55 77N	20:42 299
2024 Jun 09 (Sun)	08:06 62	14:51 79N	21:34 296
2024 Jun 10 (Mon)	09:03 65	15:43 82N	22:20 293
2024 Jun 11 (Tue)	09:57 69	16:31 87N	23:01 288
2024 Jun 12 (Wed)	10:48 74	17:15 90S	23:38 283
2024 Jun 13 (Thu)	11:35 80	17:56 84S	
2024 Jun 14 (Fri)	12:21 86	18:35 78S	00:13 277
2024 Jun 15 (Sat)	13:06 92	19:14 72S	00:45 271
2024 Jun 16 (Sun)	13:52 98	19:53 67S	01:18 265
2024 Jun 17 (Mon)	14:39 104	20:35 61S	01:52 259

2024 Jun 18 (Tue)	15:29 109	21:20 56S	02:28 254
2024 Jun 19 (Wed)	16:23 114	22:09 52S	03:08 249
2024 Jun 20 (Thu)	17:20 117	23:03 49S	03:53 245
2024 Jun 21 (Fri)	18:20 119		04:44 242
2024 Jun 22 (Sat)	19:20 119	00:00 47S	05:41 241
2024 Jun 23 (Sun)	20:18 118	01:00 47S	06:42 241
2024 Jun 24 (Mon)	21:11 114	02:00 49S	07:45 244
2024 Jun 25 (Tue)	22:00 109	02:58 53S	08:47 248
2024 Jun 26 (Wed)	22:45 103	03:52 59S	09:47 254
2024 Jun 27 (Thu)	23:26 96	04:43 65S	10:45 261
2024 Jun 28 (Fri)		05:31 72S	11:40 268
2024 Jun 29 (Sat)	00:06 89	06:19 79S	12:36 275
2024 Jun 30 (Sun)	00:47 82	07:07 86S	13:32 282
2024 Jul 01 (Mon)	01:29 75	07:57 89N	14:29 288
2024 Jul 02 (Tue)	02:14 69	08:50 84N	15:29 293
2024 Jul 03 (Wed)	03:03 65	09:45 80N	16:30 297
2024 Jul 04 (Thu)	03:57 62	10:44 78N	17:32 299
2024 Jul 05 (Fri)	04:54 61	11:43 77N	18:30 299
2024 Jul 06 (Sat)	05:53 61	12:40 78N	19:25 297
2024 Jul 07 (Sun)	06:51 64	13:34 81N	20:13 294
2024 Jul 08 (Mon)	07:47 68	14:23 85N	20:56 290
2024 Jul 09 (Tue)	08:39 72	15:09 90N	21:35 285
2024 Jul 10 (Wed)	09:28 78	15:51 86S	22:10 279
2024 Jul 11 (Thu)	10:15 84	16:31 80S	22:44 273
2024 Jul 12 (Fri)	11:00 90	17:10 75S	23:16 267
2024 Jul 13 (Sat)	11:45 96	17:49 69S	23:49 261
2024 Jul 14 (Sun)	12:31 101	18:29 63S	
2024 Jul 15 (Mon)	13:20 107	19:12 58S	00:24 256
2024 Jul 16 (Tue)	14:11 112	19:59 53S	01:02 251
2024 Jul 17 (Wed)	15:06 116	20:50 50S	01:44 246
2024 Jul 18 (Thu)	16:05 119	21:46 47S	02:32 243
2024 Jul 19 (Fri)	17:05 120	22:45 47S	03:26 241
2024 Jul 20 (Sat)	18:05 119	23:46 48S	04:26 241
2024 Jul 21 (Sun)	19:01 116		05:29 243
2024 Jul 22 (Mon)	19:53 111	00:46 51S	06:33 246
2024 Jul 23 (Tue)	20:40 105	01:43 56S	07:36 252
2024 Jul 24 (Wed)	21:24 98	02:37 63S	08:36 258
2024 Jul 25 (Thu)	22:05 91	03:27 70S	09:34 266
2024 Jul 26 (Fri)	22:46 83	04:16 77S	10:31 273
2024 Jul 27 (Sat)	23:28 77	05:05 84S	11:27 280
2024 Jul 28 (Sun)		05:54 90S	12:24 287
2024 Jul 29 (Mon)	00:12 71	06:46 85N	13:23 292
2024 Jul 30 (Tue)	01:00 66	07:40 81N	14:24 296
2024 Jul 31 (Wed)	01:51 62	08:37 78N	15:24 299
2024 Aug 01 (Thu)	02:47 61	09:35 77N	16:23 299
2024 Aug 02 (Fri)	03:45 61	10:32 77N	17:18 298
2024 Aug 03 (Sat)	04:43 63	11:26 80N	18:08 296
2024 Aug 04 (Sun)	05:39 66	12:17 83N	18:53 292
2024 Aug 05 (Mon)	06:32 71	13:04 88N	19:33 287
2024 Aug 06 (Tue)	07:22 76	13:47 88S	20:09 281
2024 Aug 07 (Wed)	08:09 82	14:28 83S	20:43 275
2024 Aug 08 (Thu)	08:55 88	15:07 77S	21:16 269
2024 Aug 09 (Fri)	09:40 94	15:46 71S	21:48 264
2024 Aug 10 (Sat)	10:25 99	16:25 65S	22:22 258
2024 Aug 11 (Sun)	11:12 105	17:06 60S	22:58 252
2024 Aug 12 (Mon)	12:02 110	17:51 55S	23:37 248
2024 Aug 13 (Tue)	12:54 114	18:39 51S	
2024 Aug 14 (Wed)	13:50 118	19:32 48S	00:22 244
2024 Aug 15 (Thu)	14:49 119	20:29 47S	01:12 241
2024 Aug 16 (Fri)	15:48 119	21:28 47S	02:08 240
2024 Aug 17 (Sat)	16:46 117	22:29 50S	03:10 241
2024 Aug 18 (Sun)	17:40 113	23:27 54S	04:14 244
2024 Aug 19 (Mon)	18:30 108		05:18 249
2024 Aug 20 (Tue)	19:16 101	00:23 60S	06:20 255
2024 Aug 21 (Wed)	20:00 94	01:17 66S	07:21 262
2024 Aug 22 (Thu)	20:42 86	02:08 74S	08:20 270
2024 Aug 23 (Fri)	21:25 79	02:58 81S	09:18 278

2024 Aug 24 (Sat)	22:09	72	03:49	88S	10:17	285
2024 Aug 25 (Sun)	22:56	67	04:41	87N	11:17	291
2024 Aug 26 (Mon)	23:48	63	05:35	82N	12:18	295
2024 Aug 27 (Tue)			06:32	78N	13:19	298
2024 Aug 28 (Wed)	00:42	61	07:30	77N	14:18	300
2024 Aug 29 (Thu)	01:39	60	08:27	77N	15:14	299
2024 Aug 30 (Fri)	02:37	62	09:22	79N	16:05	297
2024 Aug 31 (Sat)	03:33	65	10:14	82N	16:51	293
2024 Sep 01 (Sun)	04:27	69	11:01	86N	17:32	289
2024 Sep 02 (Mon)	05:17	74	11:45	90S	18:09	283
2024 Sep 03 (Tue)	06:05	80	12:26	85S	18:44	277
2024 Sep 04 (Wed)	06:51	85	13:06	79S	19:16	272
2024 Sep 05 (Thu)	07:37	92	13:44	73S	19:49	266
2024 Sep 06 (Fri)	08:22	97	14:23	67S	20:22	260
2024 Sep 07 (Sat)	09:08	103	15:04	61S	20:57	254
2024 Sep 08 (Sun)	09:56	108	15:46	56S	21:34	249
2024 Sep 09 (Mon)	10:47	113	16:32	52S	22:16	245
2024 Sep 10 (Tue)	11:40	117	17:22	49S	23:03	242
2024 Sep 11 (Wed)	12:37	119	18:16	47S	23:55	240
2024 Sep 12 (Thu)	13:34	120	19:13	47S		
2024 Sep 13 (Fri)	14:31	119	20:12	48S	00:53	240
2024 Sep 14 (Sat)	15:26	116	21:10	51S	01:54	242
2024 Sep 15 (Sun)	16:17	111	22:07	56S	02:57	246
2024 Sep 16 (Mon)	17:04	105	23:01	63S	04:00	252
2024 Sep 17 (Tue)	17:49	98	23:53	70S	05:01	259
2024 Sep 18 (Wed)	18:32	90			06:01	266
2024 Sep 19 (Thu)	19:16	82	00:45	78S	07:01	274
2024 Sep 20 (Fri)	20:01	75	01:36	85S	08:01	282
2024 Sep 21 (Sat)	20:49	69	02:30	89N	09:03	288
2024 Sep 22 (Sun)	21:40	64	03:26	84N	10:06	294
2024 Sep 23 (Mon)	22:35	61	04:24	79N	11:09	298
2024 Sep 24 (Tue)	23:33	60	05:23	77N	12:11	300
2024 Sep 25 (Wed)			06:22	77N	13:10	299
2024 Sep 26 (Thu)	00:32	61	07:18	78N	14:03	298
2024 Sep 27 (Fri)	01:29	64	08:11	81N	14:50	294
2024 Sep 28 (Sat)	02:23	67	08:59	85N	15:32	290
2024 Sep 29 (Sun)	03:14	72	09:44	90N	16:10	285
2024 Sep 30 (Mon)	04:03	78	10:26	86S	16:45	279
2024 Oct 01 (Tue)	04:49	83	11:05	81S	17:18	274
2024 Oct 02 (Wed)	05:34	89	11:44	75S	17:51	267
2024 Oct 03 (Thu)	06:19	96	12:23	69S	18:23	262
2024 Oct 04 (Fri)	07:05	101	13:03	63S	18:58	256
2024 Oct 05 (Sat)	07:53	107	13:45	58S	19:34	251
2024 Oct 06 (Sun)	08:42	112	14:30	53S	20:14	246
2024 Oct 07 (Mon)	09:35	116	15:18	50S	20:59	243
2024 Oct 08 (Tue)	10:30	118	16:10	47S	21:49	241
2024 Oct 09 (Wed)	11:26	120	17:05	47S	22:43	240
2024 Oct 10 (Thu)	12:21	119	18:01	47S	23:42	241
2024 Oct 11 (Fri)	13:15	117	18:58	50S		
2024 Oct 12 (Sat)	14:06	113	19:53	54S	00:42	244
2024 Oct 13 (Sun)	14:53	108	20:46	59S	01:42	249
2024 Oct 14 (Mon)	15:38	101	21:38	66S	02:42	255
2024 Oct 15 (Tue)	16:21	94	22:29	74S	03:41	262
2024 Oct 16 (Wed)	17:04	86	23:20	81S	04:40	270
2024 Oct 17 (Thu)	17:48	79			05:40	278
2024 Oct 18 (Fri)	18:35	72	00:13	89S	06:42	285
2024 Oct 19 (Sat)	19:26	66	01:09	86N	07:46	291
2024 Oct 20 (Sun)	20:22	62	02:07	81N	08:51	296
2024 Oct 21 (Mon)	21:21	60	03:08	78N	09:57	299
2024 Oct 22 (Tue)	22:21	61	04:10	77N	10:59	300
2024 Oct 23 (Wed)	23:21	63	05:09	77N	11:56	298
2024 Oct 24 (Thu)			06:05	80N	12:47	296
2024 Oct 25 (Fri)	00:17	66	06:56	83N	13:31	292
2024 Oct 26 (Sat)	01:10	71	07:42	88N	14:11	287
2024 Oct 27 (Sun)	01:59	76	08:25	88S	14:46	281
2024 Oct 28 (Mon)	02:46	82	09:05	83S	15:20	275
2024 Oct 29 (Tue)	03:32	88	09:44	77S	15:52	269

2024	Oct	30	(Wed)	04:17	94	10:22	71S	16:25	264
2024	Oct	31	(Thu)	05:02	99	11:02	65S	16:59	258
2024	Nov	01	(Fri)	05:49	105	11:43	60S	17:35	252
2024	Nov	02	(Sat)	06:39	110	12:27	55S	18:14	248
2024	Nov	03	(Sun)	07:31	114	13:15	51S	18:57	244
2024	Nov	04	(Mon)	08:25	118	14:06	48S	19:46	241
2024	Nov	05	(Tue)	09:21	119	15:00	47S	20:39	240
2024	Nov	06	(Wed)	10:16	120	15:56	47S	21:36	241
2024	Nov	07	(Thu)	11:10	118	16:51	49S	22:34	243
2024	Nov	08	(Fri)	12:01	115	17:46	52S	23:33	247
2024	Nov	09	(Sat)	12:48	110	18:38	57S		
2024	Nov	10	(Sun)	13:32	104	19:28	63S	00:31	253
2024	Nov	11	(Mon)	14:13	97	20:17	70S	01:28	259
2024	Nov	12	(Tue)	14:55	90	21:06	77S	02:25	266
2024	Nov	13	(Wed)	15:37	83	21:57	85S	03:22	274
2024	Nov	14	(Thu)	16:21	75	22:50	90N	04:21	281
2024	Nov	15	(Fri)	17:10	69	23:47	84N	05:23	288
2024	Nov	16	(Sat)	18:04	64			06:28	294
2024	Nov	17	(Sun)	19:02	61	00:48	79N	07:34	298
2024	Nov	18	(Mon)	20:04	60	01:51	77N	08:40	299
2024	Nov	19	(Tue)	21:06	62	02:53	77N	09:42	299
2024	Nov	20	(Wed)	22:06	65	03:53	79N	10:37	297
2024	Nov	21	(Thu)	23:02	69	04:47	82N	11:25	293
2024	Nov	22	(Fri)	23:53	74	05:36	86N	12:08	289
2024	Nov	23	(Sat)			06:21	90S	12:45	283
2024	Nov	24	(Sun)	00:42	80	07:03	84S	13:20	277
2024	Nov	25	(Mon)	01:28	85	07:42	79S	13:53	271
2024	Nov	26	(Tue)	02:13	92	08:21	73S	14:25	266
2024	Nov	27	(Wed)	02:58	97	09:00	67S	14:58	260
2024	Nov	28	(Thu)	03:44	103	09:40	61S	15:34	254
2024	Nov	29	(Fri)	04:33	108	10:24	56S	16:12	249
2024	Nov	30	(Sat)	05:24	113	11:10	52S	16:54	245
2024	Dec	01	(Sun)	06:18	117	12:01	49S	17:42	242
2024	Dec	02	(Mon)	07:15	119	12:55	47S	18:34	241
2024	Dec	03	(Tue)	08:11	120	13:51	47S	19:30	241
2024	Dec	04	(Wed)	09:06	118	14:47	48S	20:29	243
2024	Dec	05	(Thu)	09:58	116	15:42	51S	21:28	246
2024	Dec	06	(Fri)	10:46	111	16:35	56S	22:26	251
2024	Dec	07	(Sat)	11:30	106	17:24	61S	23:22	257
2024	Dec	08	(Sun)	12:11	100	18:12	68S		
2024	Dec	09	(Mon)	12:51	93	19:00	75S	00:17	264
2024	Dec	10	(Tue)	13:31	85	19:48	82S	01:12	271
2024	Dec	11	(Wed)	14:13	78	20:38	89S	02:08	278
2024	Dec	12	(Thu)	14:58	72	21:31	86N	03:06	285
2024	Dec	13	(Fri)	15:48	66	22:29	81N	04:08	291
2024	Dec	14	(Sat)	16:44	63	23:30	78N	05:13	296
2024	Dec	15	(Sun)	17:44	61			06:18	299
2024	Dec	16	(Mon)	18:47	61	00:33	77N	07:23	299
2024	Dec	17	(Tue)	19:49	63	01:35	78N	08:22	298
2024	Dec	18	(Wed)	20:48	67	02:33	80N	09:14	295
2024	Dec	19	(Thu)	21:43	72	03:26	84N	10:00	291
2024	Dec	20	(Fri)	22:33	77	04:14	89N	10:41	285
2024	Dec	21	(Sat)	23:21	83	04:57	87S	11:17	280
2024	Dec	22	(Sun)			05:38	81S	11:51	274
2024	Dec	23	(Mon)	00:07	89	06:17	75S	12:24	268
2024	Dec	24	(Tue)	00:52	95	06:56	69S	12:57	262
2024	Dec	25	(Wed)	01:38	101	07:36	63S	13:31	256
2024	Dec	26	(Thu)	02:26	107	08:18	58S	14:08	251
2024	Dec	27	(Fri)	03:16	111	09:03	54S	14:48	247
2024	Dec	28	(Sat)	04:09	115	09:52	50S	15:34	243
2024	Dec	29	(Sun)	05:04	118	10:45	48S	16:25	241
2024	Dec	30	(Mon)	06:02	119	11:41	47S	17:21	240
2024	Dec	31	(Tue)	06:58	119	12:39	48S	18:20	242