

Sun

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(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)	05:52	06:42 114		12:19 53S	17:57 246		18:47
2024 Jan 02 (Tue)	05:52	06:42 114		12:20 53S	17:58 246		18:48
2024 Jan 03 (Wed)	05:53	06:43 114		12:20 53S	17:58 247		18:48
2024 Jan 04 (Thu)	05:53	06:43 113		12:21 53S	17:59 247		18:49
2024 Jan 05 (Fri)	05:53	06:43 113		12:21 53S	17:59 247		18:49
2024 Jan 06 (Sat)	05:54	06:44 113		12:22 53S	18:00 247		18:50
2024 Jan 07 (Sun)	05:54	06:44 113		12:22 53S	18:01 247		18:50
2024 Jan 08 (Mon)	05:54	06:44 113		12:23 53S	18:01 247		18:51
2024 Jan 09 (Tue)	05:55	06:44 113		12:23 53S	18:02 247		18:51
2024 Jan 10 (Wed)	05:55	06:45 113		12:23 54S	18:02 247		18:52
2024 Jan 11 (Thu)	05:55	06:45 112		12:24 54S	18:03 248		18:52
2024 Jan 12 (Fri)	05:56	06:45 112		12:24 54S	18:04 248		18:53
2024 Jan 13 (Sat)	05:56	06:45 112		12:25 54S	18:04 248		18:54
2024 Jan 14 (Sun)	05:56	06:45 112		12:25 54S	18:05 248		18:54
2024 Jan 15 (Mon)	05:56	06:46 112		12:25 54S	18:05 248		18:55
2024 Jan 16 (Tue)	05:56	06:46 112		12:26 55S	18:06 248		18:55
2024 Jan 17 (Wed)	05:57	06:46 111		12:26 55S	18:06 249		18:56
2024 Jan 18 (Thu)	05:57	06:46 111		12:26 55S	18:07 249		18:56
2024 Jan 19 (Fri)	05:57	06:46 111		12:27 55S	18:08 249		18:57
2024 Jan 20 (Sat)	05:57	06:46 111		12:27 55S	18:08 249		18:57
2024 Jan 21 (Sun)	05:57	06:46 111		12:27 56S	18:09 250		18:58
2024 Jan 22 (Mon)	05:57	06:46 110		12:28 56S	18:09 250		18:58
2024 Jan 23 (Tue)	05:57	06:46 110		12:28 56S	18:10 250		18:59
2024 Jan 24 (Wed)	05:57	06:46 110		12:28 56S	18:10 250		18:59
2024 Jan 25 (Thu)	05:57	06:46 110		12:28 57S	18:11 251		18:59
2024 Jan 26 (Fri)	05:57	06:46 109		12:29 57S	18:11 251		19:00
2024 Jan 27 (Sat)	05:57	06:46 109		12:29 57S	18:12 251		19:00
2024 Jan 28 (Sun)	05:57	06:46 109		12:29 57S	18:12 251		19:01
2024 Jan 29 (Mon)	05:57	06:46 109		12:29 58S	18:13 252		19:01
2024 Jan 30 (Tue)	05:57	06:46 108		12:29 58S	18:13 252		19:02
2024 Jan 31 (Wed)	05:57	06:45 108		12:30 58S	18:14 252		19:02
2024 Feb 01 (Thu)	05:57	06:45 108		12:30 58S	18:14 252		19:02
2024 Feb 02 (Fri)	05:57	06:45 107		12:30 59S	18:15 253		19:03
2024 Feb 03 (Sat)	05:57	06:45 107		12:30 59S	18:15 253		19:03
2024 Feb 04 (Sun)	05:57	06:45 107		12:30 59S	18:16 253		19:04
2024 Feb 05 (Mon)	05:57	06:44 107		12:30 60S	18:16 254		19:04
2024 Feb 06 (Tue)	05:56	06:44 106		12:30 60S	18:17 254		19:04
2024 Feb 07 (Wed)	05:56	06:44 106		12:30 60S	18:17 254		19:05
2024 Feb 08 (Thu)	05:56	06:44 106		12:30 60S	18:17 255		19:05
2024 Feb 09 (Fri)	05:56	06:43 105		12:30 61S	18:18 255		19:05
2024 Feb 10 (Sat)	05:55	06:43 105		12:30 61S	18:18 255		19:06
2024 Feb 11 (Sun)	05:55	06:43 105		12:30 61S	18:19 256		19:06
2024 Feb 12 (Mon)	05:55	06:42 104		12:30 62S	18:19 256		19:06
2024 Feb 13 (Tue)	05:54	06:42 104		12:30 62S	18:19 256		19:07
2024 Feb 14 (Wed)	05:54	06:41 104		12:30 62S	18:20 257		19:07
2024 Feb 15 (Thu)	05:54	06:41 103		12:30 63S	18:20 257		19:07
2024 Feb 16 (Fri)	05:53	06:41 103		12:30 63S	18:20 257		19:07
2024 Feb 17 (Sat)	05:53	06:40 102		12:30 63S	18:21 258		19:08
2024 Feb 18 (Sun)	05:53	06:40 102		12:30 64S	18:21 258		19:08
2024 Feb 19 (Mon)	05:52	06:39 102		12:30 64S	18:21 258		19:08
2024 Feb 20 (Tue)	05:52	06:39 101		12:30 65S	18:22 259		19:08
2024 Feb 21 (Wed)	05:51	06:38 101		12:30 65S	18:22 259		19:09
2024 Feb 22 (Thu)	05:51	06:38 101		12:30 65S	18:22 260		19:09
2024 Feb 23 (Fri)	05:50	06:37 100		12:30 66S	18:22 260		19:09
2024 Feb 24 (Sat)	05:50	06:37 100		12:30 66S	18:23 260		19:09

2024	Feb	25	(Sun)	05:49	06:36	99	12:29	66S	18:23	261	19:10
2024	Feb	26	(Mon)	05:49	06:36	99	12:29	67S	18:23	261	19:10
2024	Feb	27	(Tue)	05:48	06:35	99	12:29	67S	18:23	261	19:10
2024	Feb	28	(Wed)	05:48	06:34	98	12:29	67S	18:24	262	19:10
2024	Feb	29	(Thu)	05:47	06:34	98	12:29	68S	18:24	262	19:10
2024	Mar	01	(Fri)	05:47	06:33	98	12:29	68S	18:24	263	19:11
2024	Mar	02	(Sat)	05:46	06:33	97	12:28	69S	18:24	263	19:11
2024	Mar	03	(Sun)	05:46	06:32	97	12:28	69S	18:24	263	19:11
2024	Mar	04	(Mon)	05:45	06:31	96	12:28	69S	18:25	264	19:11
2024	Mar	05	(Tue)	05:44	06:31	96	12:28	70S	18:25	264	19:11
2024	Mar	06	(Wed)	05:44	06:30	96	12:27	70S	18:25	265	19:11
2024	Mar	07	(Thu)	05:43	06:29	95	12:27	71S	18:25	265	19:12
2024	Mar	08	(Fri)	05:42	06:29	95	12:27	71S	18:25	265	19:12
2024	Mar	09	(Sat)	05:42	06:28	94	12:27	71S	18:26	266	19:12
2024	Mar	10	(Sun)	05:41	06:27	94	12:26	72S	18:26	266	19:12
2024	Mar	11	(Mon)	05:40	06:27	94	12:26	72S	18:26	267	19:12
2024	Mar	12	(Tue)	05:40	06:26	93	12:26	73S	18:26	267	19:12
2024	Mar	13	(Wed)	05:39	06:25	93	12:26	73S	18:26	268	19:12
2024	Mar	14	(Thu)	05:38	06:25	92	12:25	73S	18:26	268	19:13
2024	Mar	15	(Fri)	05:38	06:24	92	12:25	74S	18:27	268	19:13
2024	Mar	16	(Sat)	05:37	06:23	91	12:25	74S	18:27	269	19:13
2024	Mar	17	(Sun)	05:36	06:23	91	12:25	74S	18:27	269	19:13
2024	Mar	18	(Mon)	05:36	06:22	91	12:24	75S	18:27	270	19:13
2024	Mar	19	(Tue)	05:35	06:21	90	12:24	75S	18:27	270	19:13
2024	Mar	20	(Wed)	05:34	06:20	90	12:24	76S	18:27	270	19:13
2024	Mar	21	(Thu)	05:33	06:20	89	12:23	76S	18:27	271	19:14
2024	Mar	22	(Fri)	05:33	06:19	89	12:23	76S	18:27	271	19:14
2024	Mar	23	(Sat)	05:32	06:18	89	12:23	77S	18:28	272	19:14
2024	Mar	24	(Sun)	05:31	06:17	88	12:22	77S	18:28	272	19:14
2024	Mar	25	(Mon)	05:30	06:17	88	12:22	78S	18:28	272	19:14
2024	Mar	26	(Tue)	05:30	06:16	87	12:22	78S	18:28	273	19:14
2024	Mar	27	(Wed)	05:29	06:15	87	12:22	78S	18:28	273	19:14
2024	Mar	28	(Thu)	05:28	06:15	87	12:21	79S	18:28	274	19:15
2024	Mar	29	(Fri)	05:27	06:14	86	12:21	79S	18:28	274	19:15
2024	Mar	30	(Sat)	05:27	06:13	86	12:21	80S	18:28	274	19:15
2024	Mar	31	(Sun)	05:26	06:12	85	12:20	80S	18:29	275	19:15
2024	Apr	01	(Mon)	05:25	06:12	85	12:20	80S	18:29	275	19:15
2024	Apr	02	(Tue)	05:24	06:11	85	12:20	81S	18:29	276	19:15
2024	Apr	03	(Wed)	05:24	06:10	84	12:19	81S	18:29	276	19:16
2024	Apr	04	(Thu)	05:23	06:10	84	12:19	82S	18:29	276	19:16
2024	Apr	05	(Fri)	05:22	06:09	83	12:19	82S	18:29	277	19:16
2024	Apr	06	(Sat)	05:21	06:08	83	12:19	82S	18:29	277	19:16
2024	Apr	07	(Sun)	05:21	06:07	83	12:18	83S	18:29	278	19:16
2024	Apr	08	(Mon)	05:20	06:07	82	12:18	83S	18:30	278	19:16
2024	Apr	09	(Tue)	05:19	06:06	82	12:18	83S	18:30	278	19:17
2024	Apr	10	(Wed)	05:18	06:05	81	12:18	84S	18:30	279	19:17
2024	Apr	11	(Thu)	05:18	06:05	81	12:17	84S	18:30	279	19:17
2024	Apr	12	(Fri)	05:17	06:04	81	12:17	85S	18:30	280	19:17
2024	Apr	13	(Sat)	05:16	06:03	80	12:17	85S	18:30	280	19:18
2024	Apr	14	(Sun)	05:16	06:03	80	12:16	85S	18:30	280	19:18
2024	Apr	15	(Mon)	05:15	06:02	80	12:16	86S	18:31	281	19:18
2024	Apr	16	(Tue)	05:14	06:01	79	12:16	86S	18:31	281	19:18
2024	Apr	17	(Wed)	05:13	06:01	79	12:16	86S	18:31	281	19:18
2024	Apr	18	(Thu)	05:13	06:00	78	12:16	87S	18:31	282	19:19
2024	Apr	19	(Fri)	05:12	06:00	78	12:15	87S	18:31	282	19:19
2024	Apr	20	(Sat)	05:11	05:59	78	12:15	87S	18:31	282	19:19
2024	Apr	21	(Sun)	05:11	05:58	77	12:15	88S	18:32	283	19:19
2024	Apr	22	(Mon)	05:10	05:58	77	12:15	88S	18:32	283	19:20
2024	Apr	23	(Tue)	05:09	05:57	77	12:15	88S	18:32	283	19:20
2024	Apr	24	(Wed)	05:09	05:57	76	12:14	89S	18:32	284	19:20
2024	Apr	25	(Thu)	05:08	05:56	76	12:14	89S	18:32	284	19:21
2024	Apr	26	(Fri)	05:07	05:56	76	12:14	89S	18:33	284	19:21
2024	Apr	27	(Sat)	05:07	05:55	75	12:14	90S	18:33	285	19:21
2024	Apr	28	(Sun)	05:06	05:55	75	12:14	90S	18:33	285	19:21
2024	Apr	29	(Mon)	05:06	05:54	75	12:14	90S	18:33	285	19:22
2024	Apr	30	(Tue)	05:05	05:54	74	12:13	91S	18:34	286	19:22
2024	May	01	(Wed)	05:05	05:53	74	12:13	91N	18:34	286	19:22

2024	May	02	(Thu)	05:04	05:53	74	12:13	90N	18:34	286	19:23
2024	May	03	(Fri)	05:03	05:52	73	12:13	90N	18:34	287	19:23
2024	May	04	(Sat)	05:03	05:52	73	12:13	90N	18:35	287	19:23
2024	May	05	(Sun)	05:02	05:51	73	12:13	89N	18:35	287	19:24
2024	May	06	(Mon)	05:02	05:51	73	12:13	89N	18:35	288	19:24
2024	May	07	(Tue)	05:01	05:50	72	12:13	89N	18:35	288	19:24
2024	May	08	(Wed)	05:01	05:50	72	12:13	89N	18:36	288	19:25
2024	May	09	(Thu)	05:00	05:50	72	12:13	88N	18:36	288	19:25
2024	May	10	(Fri)	05:00	05:49	71	12:13	88N	18:36	289	19:26
2024	May	11	(Sat)	05:00	05:49	71	12:13	88N	18:36	289	19:26
2024	May	12	(Sun)	04:59	05:49	71	12:13	88N	18:37	289	19:26
2024	May	13	(Mon)	04:59	05:48	71	12:13	87N	18:37	289	19:27
2024	May	14	(Tue)	04:58	05:48	70	12:13	87N	18:37	290	19:27
2024	May	15	(Wed)	04:58	05:48	70	12:13	87N	18:38	290	19:27
2024	May	16	(Thu)	04:58	05:48	70	12:13	87N	18:38	290	19:28
2024	May	17	(Fri)	04:57	05:47	70	12:13	86N	18:38	290	19:28
2024	May	18	(Sat)	04:57	05:47	69	12:13	86N	18:39	291	19:29
2024	May	19	(Sun)	04:57	05:47	69	12:13	86N	18:39	291	19:29
2024	May	20	(Mon)	04:56	05:47	69	12:13	86N	18:39	291	19:29
2024	May	21	(Tue)	04:56	05:46	69	12:13	85N	18:39	291	19:30
2024	May	22	(Wed)	04:56	05:46	69	12:13	85N	18:40	292	19:30
2024	May	23	(Thu)	04:56	05:46	68	12:13	85N	18:40	292	19:31
2024	May	24	(Fri)	04:55	05:46	68	12:13	85N	18:40	292	19:31
2024	May	25	(Sat)	04:55	05:46	68	12:13	85N	18:41	292	19:31
2024	May	26	(Sun)	04:55	05:46	68	12:13	85N	18:41	292	19:32
2024	May	27	(Mon)	04:55	05:46	68	12:13	84N	18:41	292	19:32
2024	May	28	(Tue)	04:55	05:46	67	12:14	84N	18:42	293	19:33
2024	May	29	(Wed)	04:55	05:45	67	12:14	84N	18:42	293	19:33
2024	May	30	(Thu)	04:54	05:45	67	12:14	84N	18:42	293	19:33
2024	May	31	(Fri)	04:54	05:45	67	12:14	84N	18:43	293	19:34
2024	Jun	01	(Sat)	04:54	05:45	67	12:14	84N	18:43	293	19:34
2024	Jun	02	(Sun)	04:54	05:45	67	12:14	84N	18:43	293	19:35
2024	Jun	03	(Mon)	04:54	05:45	67	12:14	83N	18:44	293	19:35
2024	Jun	04	(Tue)	04:54	05:45	66	12:15	83N	18:44	294	19:35
2024	Jun	05	(Wed)	04:54	05:45	66	12:15	83N	18:44	294	19:36
2024	Jun	06	(Thu)	04:54	05:45	66	12:15	83N	18:45	294	19:36
2024	Jun	07	(Fri)	04:54	05:45	66	12:15	83N	18:45	294	19:36
2024	Jun	08	(Sat)	04:54	05:46	66	12:15	83N	18:45	294	19:37
2024	Jun	09	(Sun)	04:54	05:46	66	12:16	83N	18:46	294	19:37
2024	Jun	10	(Mon)	04:54	05:46	66	12:16	83N	18:46	294	19:37
2024	Jun	11	(Tue)	04:54	05:46	66	12:16	83N	18:46	294	19:38
2024	Jun	12	(Wed)	04:54	05:46	66	12:16	83N	18:47	294	19:38
2024	Jun	13	(Thu)	04:54	05:46	66	12:16	83N	18:47	294	19:38
2024	Jun	14	(Fri)	04:55	05:46	66	12:17	82N	18:47	294	19:39
2024	Jun	15	(Sat)	04:55	05:46	66	12:17	82N	18:47	294	19:39
2024	Jun	16	(Sun)	04:55	05:47	66	12:17	82N	18:48	295	19:39
2024	Jun	17	(Mon)	04:55	05:47	65	12:17	82N	18:48	295	19:40
2024	Jun	18	(Tue)	04:55	05:47	65	12:17	82N	18:48	295	19:40
2024	Jun	19	(Wed)	04:55	05:47	65	12:18	82N	18:48	295	19:40
2024	Jun	20	(Thu)	04:56	05:47	65	12:18	82N	18:49	295	19:40
2024	Jun	21	(Fri)	04:56	05:48	65	12:18	82N	18:49	295	19:40
2024	Jun	22	(Sat)	04:56	05:48	65	12:18	82N	18:49	295	19:41
2024	Jun	23	(Sun)	04:56	05:48	65	12:19	82N	18:49	295	19:41
2024	Jun	24	(Mon)	04:57	05:48	65	12:19	82N	18:49	295	19:41
2024	Jun	25	(Tue)	04:57	05:48	65	12:19	82N	18:50	294	19:41
2024	Jun	26	(Wed)	04:57	05:49	66	12:19	82N	18:50	294	19:41
2024	Jun	27	(Thu)	04:57	05:49	66	12:19	82N	18:50	294	19:41
2024	Jun	28	(Fri)	04:58	05:49	66	12:20	83N	18:50	294	19:42
2024	Jun	29	(Sat)	04:58	05:49	66	12:20	83N	18:50	294	19:42
2024	Jun	30	(Sun)	04:58	05:50	66	12:20	83N	18:50	294	19:42
2024	Jul	01	(Mon)	04:58	05:50	66	12:20	83N	18:50	294	19:42
2024	Jul	02	(Tue)	04:59	05:50	66	12:20	83N	18:50	294	19:42
2024	Jul	03	(Wed)	04:59	05:51	66	12:21	83N	18:50	294	19:42
2024	Jul	04	(Thu)	04:59	05:51	66	12:21	83N	18:51	294	19:42
2024	Jul	05	(Fri)	05:00	05:51	66	12:21	83N	18:51	294	19:42
2024	Jul	06	(Sat)	05:00	05:52	66	12:21	83N	18:51	294	19:42
2024	Jul	07	(Sun)	05:01	05:52	66	12:21	83N	18:51	294	19:42

2024	Jul	08	(Mon)	05:01	05:52	66	12:21	83N	18:51	293	19:42
2024	Jul	09	(Tue)	05:01	05:52	67	12:22	83N	18:51	293	19:42
2024	Jul	10	(Wed)	05:02	05:53	67	12:22	84N	18:51	293	19:42
2024	Jul	11	(Thu)	05:02	05:53	67	12:22	84N	18:51	293	19:42
2024	Jul	12	(Fri)	05:02	05:53	67	12:22	84N	18:51	293	19:42
2024	Jul	13	(Sat)	05:03	05:54	67	12:22	84N	18:50	293	19:41
2024	Jul	14	(Sun)	05:03	05:54	67	12:22	84N	18:50	293	19:41
2024	Jul	15	(Mon)	05:03	05:54	67	12:22	84N	18:50	292	19:41
2024	Jul	16	(Tue)	05:04	05:55	68	12:22	84N	18:50	292	19:41
2024	Jul	17	(Wed)	05:04	05:55	68	12:22	85N	18:50	292	19:41
2024	Jul	18	(Thu)	05:05	05:55	68	12:23	85N	18:50	292	19:40
2024	Jul	19	(Fri)	05:05	05:55	68	12:23	85N	18:50	292	19:40
2024	Jul	20	(Sat)	05:05	05:56	68	12:23	85N	18:49	292	19:40
2024	Jul	21	(Sun)	05:06	05:56	69	12:23	85N	18:49	291	19:40
2024	Jul	22	(Mon)	05:06	05:56	69	12:23	86N	18:49	291	19:39
2024	Jul	23	(Tue)	05:06	05:57	69	12:23	86N	18:49	291	19:39
2024	Jul	24	(Wed)	05:07	05:57	69	12:23	86N	18:49	291	19:39
2024	Jul	25	(Thu)	05:07	05:57	69	12:23	86N	18:48	290	19:38
2024	Jul	26	(Fri)	05:07	05:57	70	12:23	86N	18:48	290	19:38
2024	Jul	27	(Sat)	05:08	05:58	70	12:23	87N	18:48	290	19:38
2024	Jul	28	(Sun)	05:08	05:58	70	12:23	87N	18:47	290	19:37
2024	Jul	29	(Mon)	05:09	05:58	70	12:23	87N	18:47	289	19:37
2024	Jul	30	(Tue)	05:09	05:59	71	12:23	87N	18:47	289	19:36
2024	Jul	31	(Wed)	05:09	05:59	71	12:23	88N	18:46	289	19:36
2024	Aug	01	(Thu)	05:10	05:59	71	12:23	88N	18:46	289	19:35
2024	Aug	02	(Fri)	05:10	05:59	71	12:23	88N	18:46	288	19:35
2024	Aug	03	(Sat)	05:10	05:59	72	12:22	88N	18:45	288	19:34
2024	Aug	04	(Sun)	05:11	06:00	72	12:22	89N	18:45	288	19:34
2024	Aug	05	(Mon)	05:11	06:00	72	12:22	89N	18:44	288	19:33
2024	Aug	06	(Tue)	05:11	06:00	73	12:22	89N	18:44	287	19:33
2024	Aug	07	(Wed)	05:11	06:00	73	12:22	90N	18:44	287	19:32
2024	Aug	08	(Thu)	05:12	06:01	73	12:22	90N	18:43	287	19:32
2024	Aug	09	(Fri)	05:12	06:01	73	12:22	90N	18:43	286	19:31
2024	Aug	10	(Sat)	05:12	06:01	74	12:22	90N	18:42	286	19:31
2024	Aug	11	(Sun)	05:13	06:01	74	12:21	91N	18:42	286	19:30
2024	Aug	12	(Mon)	05:13	06:01	74	12:21	90S	18:41	286	19:29
2024	Aug	13	(Tue)	05:13	06:02	75	12:21	90S	18:41	285	19:29
2024	Aug	14	(Wed)	05:13	06:02	75	12:21	90S	18:40	285	19:28
2024	Aug	15	(Thu)	05:14	06:02	75	12:21	90S	18:39	285	19:28
2024	Aug	16	(Fri)	05:14	06:02	76	12:21	89S	18:39	284	19:27
2024	Aug	17	(Sat)	05:14	06:02	76	12:20	89S	18:38	284	19:26
2024	Aug	18	(Sun)	05:14	06:02	76	12:20	89S	18:38	284	19:26
2024	Aug	19	(Mon)	05:15	06:02	77	12:20	88S	18:37	283	19:25
2024	Aug	20	(Tue)	05:15	06:03	77	12:20	88S	18:36	283	19:24
2024	Aug	21	(Wed)	05:15	06:03	77	12:19	88S	18:36	283	19:23
2024	Aug	22	(Thu)	05:15	06:03	78	12:19	87S	18:35	282	19:23
2024	Aug	23	(Fri)	05:15	06:03	78	12:19	87S	18:34	282	19:22
2024	Aug	24	(Sat)	05:16	06:03	78	12:19	87S	18:34	281	19:21
2024	Aug	25	(Sun)	05:16	06:03	79	12:18	86S	18:33	281	19:21
2024	Aug	26	(Mon)	05:16	06:03	79	12:18	86S	18:32	281	19:20
2024	Aug	27	(Tue)	05:16	06:03	79	12:18	86S	18:32	280	19:19
2024	Aug	28	(Wed)	05:16	06:04	80	12:17	85S	18:31	280	19:18
2024	Aug	29	(Thu)	05:16	06:04	80	12:17	85S	18:30	280	19:18
2024	Aug	30	(Fri)	05:17	06:04	81	12:17	84S	18:30	279	19:17
2024	Aug	31	(Sat)	05:17	06:04	81	12:17	84S	18:29	279	19:16
2024	Sep	01	(Sun)	05:17	06:04	81	12:16	84S	18:28	279	19:15
2024	Sep	02	(Mon)	05:17	06:04	82	12:16	83S	18:28	278	19:14
2024	Sep	03	(Tue)	05:17	06:04	82	12:16	83S	18:27	278	19:14
2024	Sep	04	(Wed)	05:17	06:04	82	12:15	83S	18:26	277	19:13
2024	Sep	05	(Thu)	05:17	06:04	83	12:15	82S	18:25	277	19:12
2024	Sep	06	(Fri)	05:18	06:04	83	12:15	82S	18:25	277	19:11
2024	Sep	07	(Sat)	05:18	06:04	84	12:14	82S	18:24	276	19:11
2024	Sep	08	(Sun)	05:18	06:04	84	12:14	81S	18:23	276	19:10
2024	Sep	09	(Mon)	05:18	06:05	84	12:14	81S	18:22	275	19:09
2024	Sep	10	(Tue)	05:18	06:05	85	12:13	80S	18:22	275	19:08
2024	Sep	11	(Wed)	05:18	06:05	85	12:13	80S	18:21	275	19:07
2024	Sep	12	(Thu)	05:18	06:05	86	12:12	80S	18:20	274	19:06

2024 Sep 13 (Fri)	05:18	06:05	86	12:12	79S	18:19	274	19:06
2024 Sep 14 (Sat)	05:18	06:05	86	12:12	79S	18:18	273	19:05
2024 Sep 15 (Sun)	05:18	06:05	87	12:11	78S	18:18	273	19:04
2024 Sep 16 (Mon)	05:19	06:05	87	12:11	78S	18:17	273	19:03
2024 Sep 17 (Tue)	05:19	06:05	88	12:11	78S	18:16	272	19:02
2024 Sep 18 (Wed)	05:19	06:05	88	12:10	77S	18:15	272	19:02
2024 Sep 19 (Thu)	05:19	06:05	88	12:10	77S	18:15	271	19:01
2024 Sep 20 (Fri)	05:19	06:05	89	12:10	77S	18:14	271	19:00
2024 Sep 21 (Sat)	05:19	06:05	89	12:09	76S	18:13	271	18:59
2024 Sep 22 (Sun)	05:19	06:05	90	12:09	76S	18:12	270	18:59
2024 Sep 23 (Mon)	05:19	06:05	90	12:09	75S	18:12	270	18:58
2024 Sep 24 (Tue)	05:19	06:05	90	12:08	75S	18:11	269	18:57
2024 Sep 25 (Wed)	05:19	06:06	91	12:08	75S	18:10	269	18:56
2024 Sep 26 (Thu)	05:19	06:06	91	12:08	74S	18:09	269	18:55
2024 Sep 27 (Fri)	05:19	06:06	92	12:07	74S	18:08	268	18:55
2024 Sep 28 (Sat)	05:19	06:06	92	12:07	73S	18:08	268	18:54
2024 Sep 29 (Sun)	05:20	06:06	92	12:07	73S	18:07	267	18:53
2024 Sep 30 (Mon)	05:20	06:06	93	12:06	73S	18:06	267	18:52
2024 Oct 01 (Tue)	05:20	06:06	93	12:06	72S	18:05	267	18:52
2024 Oct 02 (Wed)	05:20	06:06	94	12:06	72S	18:05	266	18:51
2024 Oct 03 (Thu)	05:20	06:06	94	12:05	71S	18:04	266	18:50
2024 Oct 04 (Fri)	05:20	06:06	94	12:05	71S	18:03	265	18:50
2024 Oct 05 (Sat)	05:20	06:06	95	12:05	71S	18:03	265	18:49
2024 Oct 06 (Sun)	05:20	06:07	95	12:04	70S	18:02	265	18:48
2024 Oct 07 (Mon)	05:20	06:07	96	12:04	70S	18:01	264	18:48
2024 Oct 08 (Tue)	05:20	06:07	96	12:04	70S	18:00	264	18:47
2024 Oct 09 (Wed)	05:21	06:07	96	12:03	69S	18:00	263	18:46
2024 Oct 10 (Thu)	05:21	06:07	97	12:03	69S	17:59	263	18:46
2024 Oct 11 (Fri)	05:21	06:07	97	12:03	68S	17:58	263	18:45
2024 Oct 12 (Sat)	05:21	06:07	98	12:03	68S	17:58	262	18:44
2024 Oct 13 (Sun)	05:21	06:08	98	12:02	68S	17:57	262	18:44
2024 Oct 14 (Mon)	05:21	06:08	98	12:02	67S	17:57	262	18:43
2024 Oct 15 (Tue)	05:21	06:08	99	12:02	67S	17:56	261	18:43
2024 Oct 16 (Wed)	05:21	06:08	99	12:02	67S	17:55	261	18:42
2024 Oct 17 (Thu)	05:22	06:08	99	12:02	66S	17:55	260	18:41
2024 Oct 18 (Fri)	05:22	06:08	100	12:01	66S	17:54	260	18:41
2024 Oct 19 (Sat)	05:22	06:09	100	12:01	65S	17:53	260	18:40
2024 Oct 20 (Sun)	05:22	06:09	101	12:01	65S	17:53	259	18:40
2024 Oct 21 (Mon)	05:22	06:09	101	12:01	65S	17:52	259	18:39
2024 Oct 22 (Tue)	05:22	06:09	101	12:01	64S	17:52	259	18:39
2024 Oct 23 (Wed)	05:23	06:10	102	12:01	64S	17:51	258	18:38
2024 Oct 24 (Thu)	05:23	06:10	102	12:00	64S	17:51	258	18:38
2024 Oct 25 (Fri)	05:23	06:10	102	12:00	63S	17:50	257	18:37
2024 Oct 26 (Sat)	05:23	06:10	103	12:00	63S	17:50	257	18:37
2024 Oct 27 (Sun)	05:23	06:11	103	12:00	63S	17:49	257	18:37
2024 Oct 28 (Mon)	05:24	06:11	103	12:00	62S	17:49	256	18:36
2024 Oct 29 (Tue)	05:24	06:11	104	12:00	62S	17:48	256	18:36
2024 Oct 30 (Wed)	05:24	06:12	104	12:00	62S	17:48	256	18:35
2024 Oct 31 (Thu)	05:24	06:12	104	12:00	61S	17:48	255	18:35
2024 Nov 01 (Fri)	05:25	06:12	105	12:00	61S	17:47	255	18:35
2024 Nov 02 (Sat)	05:25	06:13	105	12:00	61S	17:47	255	18:35
2024 Nov 03 (Sun)	05:25	06:13	105	12:00	60S	17:47	254	18:34
2024 Nov 04 (Mon)	05:26	06:13	106	12:00	60S	17:46	254	18:34
2024 Nov 05 (Tue)	05:26	06:14	106	12:00	60S	17:46	254	18:34
2024 Nov 06 (Wed)	05:26	06:14	106	12:00	60S	17:46	253	18:33
2024 Nov 07 (Thu)	05:26	06:14	107	12:00	59S	17:45	253	18:33
2024 Nov 08 (Fri)	05:27	06:15	107	12:00	59S	17:45	253	18:33
2024 Nov 09 (Sat)	05:27	06:15	107	12:00	59S	17:45	253	18:33
2024 Nov 10 (Sun)	05:28	06:16	108	12:00	58S	17:45	252	18:33
2024 Nov 11 (Mon)	05:28	06:16	108	12:00	58S	17:44	252	18:33
2024 Nov 12 (Tue)	05:28	06:17	108	12:00	58S	17:44	252	18:32
2024 Nov 13 (Wed)	05:29	06:17	108	12:01	58S	17:44	251	18:32
2024 Nov 14 (Thu)	05:29	06:17	109	12:01	57S	17:44	251	18:32
2024 Nov 15 (Fri)	05:29	06:18	109	12:01	57S	17:44	251	18:32
2024 Nov 16 (Sat)	05:30	06:18	109	12:01	57S	17:44	251	18:32
2024 Nov 17 (Sun)	05:30	06:19	110	12:01	57S	17:44	250	18:32
2024 Nov 18 (Mon)	05:31	06:19	110	12:01	56S	17:43	250	18:32

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

Sun

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(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	06:42	114	12:19	53S	17:57	246	18:20
2024	Jan	02	(Tue)	06:19	06:42	114	12:20	53S	17:58	246	18:21
2024	Jan	03	(Wed)	06:19	06:43	114	12:20	53S	17:58	247	18:21
2024	Jan	04	(Thu)	06:20	06:43	113	12:21	53S	17:59	247	18:22
2024	Jan	05	(Fri)	06:20	06:43	113	12:21	53S	17:59	247	18:23
2024	Jan	06	(Sat)	06:20	06:44	113	12:22	53S	18:00	247	18:23
2024	Jan	07	(Sun)	06:21	06:44	113	12:22	53S	18:01	247	18:24
2024	Jan	08	(Mon)	06:21	06:44	113	12:23	53S	18:01	247	18:24
2024	Jan	09	(Tue)	06:21	06:44	113	12:23	53S	18:02	247	18:25
2024	Jan	10	(Wed)	06:22	06:45	113	12:23	54S	18:02	247	18:25
2024	Jan	11	(Thu)	06:22	06:45	112	12:24	54S	18:03	248	18:26

2024	Jan	12	(Fri)	06:22	06:45	112	12:24	54S	18:04	248	18:27
2024	Jan	13	(Sat)	06:22	06:45	112	12:25	54S	18:04	248	18:27
2024	Jan	14	(Sun)	06:23	06:45	112	12:25	54S	18:05	248	18:28
2024	Jan	15	(Mon)	06:23	06:46	112	12:25	54S	18:05	248	18:28
2024	Jan	16	(Tue)	06:23	06:46	112	12:26	55S	18:06	248	18:29
2024	Jan	17	(Wed)	06:23	06:46	111	12:26	55S	18:06	249	18:29
2024	Jan	18	(Thu)	06:23	06:46	111	12:26	55S	18:07	249	18:30
2024	Jan	19	(Fri)	06:23	06:46	111	12:27	55S	18:08	249	18:30
2024	Jan	20	(Sat)	06:23	06:46	111	12:27	55S	18:08	249	18:31
2024	Jan	21	(Sun)	06:23	06:46	111	12:27	56S	18:09	250	18:31
2024	Jan	22	(Mon)	06:23	06:46	110	12:28	56S	18:09	250	18:32
2024	Jan	23	(Tue)	06:23	06:46	110	12:28	56S	18:10	250	18:32
2024	Jan	24	(Wed)	06:24	06:46	110	12:28	56S	18:10	250	18:33
2024	Jan	25	(Thu)	06:23	06:46	110	12:28	57S	18:11	251	18:33
2024	Jan	26	(Fri)	06:23	06:46	109	12:29	57S	18:11	251	18:34
2024	Jan	27	(Sat)	06:23	06:46	109	12:29	57S	18:12	251	18:34
2024	Jan	28	(Sun)	06:23	06:46	109	12:29	57S	18:12	251	18:35
2024	Jan	29	(Mon)	06:23	06:46	109	12:29	58S	18:13	252	18:35
2024	Jan	30	(Tue)	06:23	06:46	108	12:29	58S	18:13	252	18:36
2024	Jan	31	(Wed)	06:23	06:45	108	12:30	58S	18:14	252	18:36
2024	Feb	01	(Thu)	06:23	06:45	108	12:30	58S	18:14	252	18:37
2024	Feb	02	(Fri)	06:23	06:45	107	12:30	59S	18:15	253	18:37
2024	Feb	03	(Sat)	06:23	06:45	107	12:30	59S	18:15	253	18:37
2024	Feb	04	(Sun)	06:22	06:45	107	12:30	59S	18:16	253	18:38
2024	Feb	05	(Mon)	06:22	06:44	107	12:30	60S	18:16	254	18:38
2024	Feb	06	(Tue)	06:22	06:44	106	12:30	60S	18:17	254	18:39
2024	Feb	07	(Wed)	06:22	06:44	106	12:30	60S	18:17	254	18:39
2024	Feb	08	(Thu)	06:21	06:44	106	12:30	60S	18:17	255	18:39
2024	Feb	09	(Fri)	06:21	06:43	105	12:30	61S	18:18	255	18:40
2024	Feb	10	(Sat)	06:21	06:43	105	12:30	61S	18:18	255	18:40
2024	Feb	11	(Sun)	06:21	06:43	105	12:30	61S	18:19	256	18:41
2024	Feb	12	(Mon)	06:20	06:42	104	12:30	62S	18:19	256	18:41
2024	Feb	13	(Tue)	06:20	06:42	104	12:30	62S	18:19	256	18:41
2024	Feb	14	(Wed)	06:20	06:41	104	12:30	62S	18:20	257	18:42
2024	Feb	15	(Thu)	06:19	06:41	103	12:30	63S	18:20	257	18:42
2024	Feb	16	(Fri)	06:19	06:41	103	12:30	63S	18:20	257	18:42
2024	Feb	17	(Sat)	06:18	06:40	102	12:30	63S	18:21	258	18:42
2024	Feb	18	(Sun)	06:18	06:40	102	12:30	64S	18:21	258	18:43
2024	Feb	19	(Mon)	06:17	06:39	102	12:30	64S	18:21	258	18:43
2024	Feb	20	(Tue)	06:17	06:39	101	12:30	65S	18:22	259	18:43
2024	Feb	21	(Wed)	06:17	06:38	101	12:30	65S	18:22	259	18:44
2024	Feb	22	(Thu)	06:16	06:38	101	12:30	65S	18:22	260	18:44
2024	Feb	23	(Fri)	06:16	06:37	100	12:30	66S	18:22	260	18:44
2024	Feb	24	(Sat)	06:15	06:37	100	12:30	66S	18:23	260	18:44
2024	Feb	25	(Sun)	06:14	06:36	99	12:29	66S	18:23	261	18:45
2024	Feb	26	(Mon)	06:14	06:36	99	12:29	67S	18:23	261	18:45
2024	Feb	27	(Tue)	06:13	06:35	99	12:29	67S	18:23	261	18:45
2024	Feb	28	(Wed)	06:13	06:34	98	12:29	67S	18:24	262	18:45
2024	Feb	29	(Thu)	06:12	06:34	98	12:29	68S	18:24	262	18:45
2024	Mar	01	(Fri)	06:12	06:33	98	12:29	68S	18:24	263	18:46
2024	Mar	02	(Sat)	06:11	06:33	97	12:28	69S	18:24	263	18:46
2024	Mar	03	(Sun)	06:10	06:32	97	12:28	69S	18:24	263	18:46
2024	Mar	04	(Mon)	06:10	06:31	96	12:28	69S	18:25	264	18:46
2024	Mar	05	(Tue)	06:09	06:31	96	12:28	70S	18:25	264	18:46
2024	Mar	06	(Wed)	06:09	06:30	96	12:27	70S	18:25	265	18:47
2024	Mar	07	(Thu)	06:08	06:29	95	12:27	71S	18:25	265	18:47
2024	Mar	08	(Fri)	06:07	06:29	95	12:27	71S	18:25	265	18:47
2024	Mar	09	(Sat)	06:07	06:28	94	12:27	71S	18:26	266	18:47
2024	Mar	10	(Sun)	06:06	06:27	94	12:26	72S	18:26	266	18:47
2024	Mar	11	(Mon)	06:05	06:27	94	12:26	72S	18:26	267	18:47
2024	Mar	12	(Tue)	06:05	06:26	93	12:26	73S	18:26	267	18:47
2024	Mar	13	(Wed)	06:04	06:25	93	12:26	73S	18:26	268	18:48
2024	Mar	14	(Thu)	06:03	06:25	92	12:25	73S	18:26	268	18:48
2024	Mar	15	(Fri)	06:03	06:24	92	12:25	74S	18:27	268	18:48
2024	Mar	16	(Sat)	06:02	06:23	91	12:25	74S	18:27	269	18:48
2024	Mar	17	(Sun)	06:01	06:23	91	12:25	74S	18:27	269	18:48
2024	Mar	18	(Mon)	06:00	06:22	91	12:24	75S	18:27	270	18:48

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

2024	May	25	(Sat)	05:23	05:46	68	12:13	85N	18:41	292	19:04
2024	May	26	(Sun)	05:22	05:46	68	12:13	85N	18:41	292	19:04
2024	May	27	(Mon)	05:22	05:46	68	12:13	84N	18:41	292	19:05
2024	May	28	(Tue)	05:22	05:46	67	12:14	84N	18:42	293	19:05
2024	May	29	(Wed)	05:22	05:45	67	12:14	84N	18:42	293	19:05
2024	May	30	(Thu)	05:22	05:45	67	12:14	84N	18:42	293	19:06
2024	May	31	(Fri)	05:22	05:45	67	12:14	84N	18:43	293	19:06
2024	Jun	01	(Sat)	05:22	05:45	67	12:14	84N	18:43	293	19:07
2024	Jun	02	(Sun)	05:22	05:45	67	12:14	84N	18:43	293	19:07
2024	Jun	03	(Mon)	05:22	05:45	67	12:14	83N	18:44	293	19:07
2024	Jun	04	(Tue)	05:22	05:45	66	12:15	83N	18:44	294	19:08
2024	Jun	05	(Wed)	05:22	05:45	66	12:15	83N	18:44	294	19:08
2024	Jun	06	(Thu)	05:22	05:45	66	12:15	83N	18:45	294	19:08
2024	Jun	07	(Fri)	05:22	05:45	66	12:15	83N	18:45	294	19:09
2024	Jun	08	(Sat)	05:22	05:46	66	12:15	83N	18:45	294	19:09
2024	Jun	09	(Sun)	05:22	05:46	66	12:16	83N	18:46	294	19:09
2024	Jun	10	(Mon)	05:22	05:46	66	12:16	83N	18:46	294	19:10
2024	Jun	11	(Tue)	05:22	05:46	66	12:16	83N	18:46	294	19:10
2024	Jun	12	(Wed)	05:22	05:46	66	12:16	83N	18:47	294	19:10
2024	Jun	13	(Thu)	05:22	05:46	66	12:16	83N	18:47	294	19:10
2024	Jun	14	(Fri)	05:23	05:46	66	12:17	82N	18:47	294	19:11
2024	Jun	15	(Sat)	05:23	05:46	66	12:17	82N	18:47	294	19:11
2024	Jun	16	(Sun)	05:23	05:47	66	12:17	82N	18:48	295	19:11
2024	Jun	17	(Mon)	05:23	05:47	65	12:17	82N	18:48	295	19:12
2024	Jun	18	(Tue)	05:23	05:47	65	12:17	82N	18:48	295	19:12
2024	Jun	19	(Wed)	05:23	05:47	65	12:18	82N	18:48	295	19:12
2024	Jun	20	(Thu)	05:24	05:47	65	12:18	82N	18:49	295	19:12
2024	Jun	21	(Fri)	05:24	05:48	65	12:18	82N	18:49	295	19:12
2024	Jun	22	(Sat)	05:24	05:48	65	12:18	82N	18:49	295	19:13
2024	Jun	23	(Sun)	05:24	05:48	65	12:19	82N	18:49	295	19:13
2024	Jun	24	(Mon)	05:24	05:48	65	12:19	82N	18:49	295	19:13
2024	Jun	25	(Tue)	05:25	05:48	65	12:19	82N	18:50	294	19:13
2024	Jun	26	(Wed)	05:25	05:49	66	12:19	82N	18:50	294	19:13
2024	Jun	27	(Thu)	05:25	05:49	66	12:19	82N	18:50	294	19:14
2024	Jun	28	(Fri)	05:26	05:49	66	12:20	83N	18:50	294	19:14
2024	Jun	29	(Sat)	05:26	05:49	66	12:20	83N	18:50	294	19:14
2024	Jun	30	(Sun)	05:26	05:50	66	12:20	83N	18:50	294	19:14
2024	Jul	01	(Mon)	05:26	05:50	66	12:20	83N	18:50	294	19:14
2024	Jul	02	(Tue)	05:27	05:50	66	12:20	83N	18:50	294	19:14
2024	Jul	03	(Wed)	05:27	05:51	66	12:21	83N	18:50	294	19:14
2024	Jul	04	(Thu)	05:27	05:51	66	12:21	83N	18:51	294	19:14
2024	Jul	05	(Fri)	05:28	05:51	66	12:21	83N	18:51	294	19:14
2024	Jul	06	(Sat)	05:28	05:52	66	12:21	83N	18:51	294	19:14
2024	Jul	07	(Sun)	05:28	05:52	66	12:21	83N	18:51	294	19:14
2024	Jul	08	(Mon)	05:29	05:52	66	12:21	83N	18:51	293	19:14
2024	Jul	09	(Tue)	05:29	05:52	67	12:22	83N	18:51	293	19:14
2024	Jul	10	(Wed)	05:29	05:53	67	12:22	84N	18:51	293	19:14
2024	Jul	11	(Thu)	05:30	05:53	67	12:22	84N	18:51	293	19:14
2024	Jul	12	(Fri)	05:30	05:53	67	12:22	84N	18:51	293	19:14
2024	Jul	13	(Sat)	05:30	05:54	67	12:22	84N	18:50	293	19:14
2024	Jul	14	(Sun)	05:31	05:54	67	12:22	84N	18:50	293	19:14
2024	Jul	15	(Mon)	05:31	05:54	67	12:22	84N	18:50	292	19:14
2024	Jul	16	(Tue)	05:31	05:55	68	12:22	84N	18:50	292	19:13
2024	Jul	17	(Wed)	05:32	05:55	68	12:22	85N	18:50	292	19:13
2024	Jul	18	(Thu)	05:32	05:55	68	12:23	85N	18:50	292	19:13
2024	Jul	19	(Fri)	05:32	05:55	68	12:23	85N	18:50	292	19:13
2024	Jul	20	(Sat)	05:33	05:56	68	12:23	85N	18:49	292	19:13
2024	Jul	21	(Sun)	05:33	05:56	69	12:23	85N	18:49	291	19:12
2024	Jul	22	(Mon)	05:33	05:56	69	12:23	86N	18:49	291	19:12
2024	Jul	23	(Tue)	05:34	05:57	69	12:23	86N	18:49	291	19:12
2024	Jul	24	(Wed)	05:34	05:57	69	12:23	86N	18:49	291	19:12
2024	Jul	25	(Thu)	05:34	05:57	69	12:23	86N	18:48	290	19:11
2024	Jul	26	(Fri)	05:34	05:57	70	12:23	86N	18:48	290	19:11
2024	Jul	27	(Sat)	05:35	05:58	70	12:23	87N	18:48	290	19:11
2024	Jul	28	(Sun)	05:35	05:58	70	12:23	87N	18:47	290	19:10
2024	Jul	29	(Mon)	05:35	05:58	70	12:23	87N	18:47	289	19:10
2024	Jul	30	(Tue)	05:36	05:59	71	12:23	87N	18:47	289	19:10

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

2024	Oct	06	(Sun)	05:45	06:07	95	12:04	70S	18:02	265	18:23
2024	Oct	07	(Mon)	05:45	06:07	96	12:04	70S	18:01	264	18:23
2024	Oct	08	(Tue)	05:45	06:07	96	12:04	70S	18:00	264	18:22
2024	Oct	09	(Wed)	05:45	06:07	96	12:03	69S	18:00	263	18:21
2024	Oct	10	(Thu)	05:46	06:07	97	12:03	69S	17:59	263	18:21
2024	Oct	11	(Fri)	05:46	06:07	97	12:03	68S	17:58	263	18:20
2024	Oct	12	(Sat)	05:46	06:07	98	12:03	68S	17:58	262	18:19
2024	Oct	13	(Sun)	05:46	06:08	98	12:02	68S	17:57	262	18:19
2024	Oct	14	(Mon)	05:46	06:08	98	12:02	67S	17:57	262	18:18
2024	Oct	15	(Tue)	05:46	06:08	99	12:02	67S	17:56	261	18:18
2024	Oct	16	(Wed)	05:46	06:08	99	12:02	67S	17:55	261	18:17
2024	Oct	17	(Thu)	05:47	06:08	99	12:02	66S	17:55	260	18:16
2024	Oct	18	(Fri)	05:47	06:08	100	12:01	66S	17:54	260	18:16
2024	Oct	19	(Sat)	05:47	06:09	100	12:01	65S	17:53	260	18:15
2024	Oct	20	(Sun)	05:47	06:09	101	12:01	65S	17:53	259	18:15
2024	Oct	21	(Mon)	05:47	06:09	101	12:01	65S	17:52	259	18:14
2024	Oct	22	(Tue)	05:48	06:09	101	12:01	64S	17:52	259	18:14
2024	Oct	23	(Wed)	05:48	06:10	102	12:01	64S	17:51	258	18:13
2024	Oct	24	(Thu)	05:48	06:10	102	12:00	64S	17:51	258	18:13
2024	Oct	25	(Fri)	05:48	06:10	102	12:00	63S	17:50	257	18:12
2024	Oct	26	(Sat)	05:49	06:10	103	12:00	63S	17:50	257	18:12
2024	Oct	27	(Sun)	05:49	06:11	103	12:00	63S	17:49	257	18:11
2024	Oct	28	(Mon)	05:49	06:11	103	12:00	62S	17:49	256	18:11
2024	Oct	29	(Tue)	05:49	06:11	104	12:00	62S	17:48	256	18:10
2024	Oct	30	(Wed)	05:50	06:12	104	12:00	62S	17:48	256	18:10
2024	Oct	31	(Thu)	05:50	06:12	104	12:00	61S	17:48	255	18:10
2024	Nov	01	(Fri)	05:50	06:12	105	12:00	61S	17:47	255	18:09
2024	Nov	02	(Sat)	05:50	06:13	105	12:00	61S	17:47	255	18:09
2024	Nov	03	(Sun)	05:51	06:13	105	12:00	60S	17:47	254	18:09
2024	Nov	04	(Mon)	05:51	06:13	106	12:00	60S	17:46	254	18:08
2024	Nov	05	(Tue)	05:51	06:14	106	12:00	60S	17:46	254	18:08
2024	Nov	06	(Wed)	05:52	06:14	106	12:00	60S	17:46	253	18:08
2024	Nov	07	(Thu)	05:52	06:14	107	12:00	59S	17:45	253	18:08
2024	Nov	08	(Fri)	05:53	06:15	107	12:00	59S	17:45	253	18:07
2024	Nov	09	(Sat)	05:53	06:15	107	12:00	59S	17:45	253	18:07
2024	Nov	10	(Sun)	05:53	06:16	108	12:00	58S	17:45	252	18:07
2024	Nov	11	(Mon)	05:54	06:16	108	12:00	58S	17:44	252	18:07
2024	Nov	12	(Tue)	05:54	06:17	108	12:00	58S	17:44	252	18:07
2024	Nov	13	(Wed)	05:55	06:17	108	12:01	58S	17:44	251	18:06
2024	Nov	14	(Thu)	05:55	06:17	109	12:01	57S	17:44	251	18:06
2024	Nov	15	(Fri)	05:55	06:18	109	12:01	57S	17:44	251	18:06
2024	Nov	16	(Sat)	05:56	06:18	109	12:01	57S	17:44	251	18:06
2024	Nov	17	(Sun)	05:56	06:19	110	12:01	57S	17:44	250	18:06
2024	Nov	18	(Mon)	05:57	06:19	110	12:01	56S	17:43	250	18:06
2024	Nov	19	(Tue)	05:57	06:20	110	12:02	56S	17:43	250	18:06
2024	Nov	20	(Wed)	05:58	06:20	110	12:02	56S	17:43	250	18:06
2024	Nov	21	(Thu)	05:58	06:21	110	12:02	56S	17:43	249	18:06
2024	Nov	22	(Fri)	05:59	06:21	111	12:02	55S	17:43	249	18:06
2024	Nov	23	(Sat)	05:59	06:22	111	12:03	55S	17:43	249	18:06
2024	Nov	24	(Sun)	06:00	06:22	111	12:03	55S	17:43	249	18:06
2024	Nov	25	(Mon)	06:00	06:23	111	12:03	55S	17:44	249	18:06
2024	Nov	26	(Tue)	06:01	06:24	112	12:04	55S	17:44	248	18:06
2024	Nov	27	(Wed)	06:01	06:24	112	12:04	54S	17:44	248	18:07
2024	Nov	28	(Thu)	06:02	06:25	112	12:04	54S	17:44	248	18:07
2024	Nov	29	(Fri)	06:02	06:25	112	12:05	54S	17:44	248	18:07
2024	Nov	30	(Sat)	06:03	06:26	112	12:05	54S	17:44	248	18:07
2024	Dec	01	(Sun)	06:03	06:26	112	12:05	54S	17:44	248	18:07
2024	Dec	02	(Mon)	06:04	06:27	113	12:06	54S	17:45	247	18:08
2024	Dec	03	(Tue)	06:04	06:27	113	12:06	53S	17:45	247	18:08
2024	Dec	04	(Wed)	06:05	06:28	113	12:07	53S	17:45	247	18:08
2024	Dec	05	(Thu)	06:05	06:29	113	12:07	53S	17:45	247	18:08
2024	Dec	06	(Fri)	06:06	06:29	113	12:07	53S	17:46	247	18:09
2024	Dec	07	(Sat)	06:07	06:30	113	12:08	53S	17:46	247	18:09
2024	Dec	08	(Sun)	06:07	06:30	113	12:08	53S	17:46	247	18:09
2024	Dec	09	(Mon)	06:08	06:31	113	12:09	53S	17:46	246	18:10
2024	Dec	10	(Tue)	06:08	06:31	114	12:09	53S	17:47	246	18:10
2024	Dec	11	(Wed)	06:09	06:32	114	12:10	53S	17:47	246	18:10

2024	Dec	12	(Thu)	06:09	06:33	114	12:10	53S	17:48	246	18:11
2024	Dec	13	(Fri)	06:10	06:33	114	12:11	52S	17:48	246	18:11
2024	Dec	14	(Sat)	06:10	06:34	114	12:11	52S	17:48	246	18:12
2024	Dec	15	(Sun)	06:11	06:34	114	12:11	52S	17:49	246	18:12
2024	Dec	16	(Mon)	06:11	06:35	114	12:12	52S	17:49	246	18:12
2024	Dec	17	(Tue)	06:12	06:35	114	12:12	52S	17:50	246	18:13
2024	Dec	18	(Wed)	06:12	06:36	114	12:13	52S	17:50	246	18:13
2024	Dec	19	(Thu)	06:13	06:36	114	12:13	52S	17:51	246	18:14
2024	Dec	20	(Fri)	06:14	06:37	114	12:14	52S	17:51	246	18:14
2024	Dec	21	(Sat)	06:14	06:37	114	12:14	52S	17:52	246	18:15
2024	Dec	22	(Sun)	06:15	06:38	114	12:15	52S	17:52	246	18:15
2024	Dec	23	(Mon)	06:15	06:38	114	12:15	52S	17:53	246	18:16
2024	Dec	24	(Tue)	06:15	06:39	114	12:16	52S	17:53	246	18:16
2024	Dec	25	(Wed)	06:16	06:39	114	12:16	52S	17:54	246	18:17
2024	Dec	26	(Thu)	06:16	06:40	114	12:17	52S	17:54	246	18:17
2024	Dec	27	(Fri)	06:17	06:40	114	12:17	52S	17:55	246	18:18
2024	Dec	28	(Sat)	06:17	06:41	114	12:18	52S	17:55	246	18:19
2024	Dec	29	(Sun)	06:18	06:41	114	12:18	52S	17:56	246	18:19
2024	Dec	30	(Mon)	06:18	06:41	114	12:19	53S	17:56	246	18:20
2024	Dec	31	(Tue)	06:19	06:42	114	12:19	53S	17:57	246	18:20

Moon

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date			Rise	Az.	Transit	Alt.	Set	Az.
(Zone)								
			h	m	°	h	m	°
2024	Jan	01 (Mon)	22:28	80	04:07	89S	10:31	282
2024	Jan	02 (Tue)	23:13	86	04:48	83S	11:04	277
2024	Jan	03 (Wed)	23:59	92	05:27	78S	11:37	271
2024	Jan	04 (Thu)			06:06	72S	12:10	265
2024	Jan	05 (Fri)	00:45	98	06:46	66S	12:44	259
2024	Jan	06 (Sat)	01:34	104	07:29	60S	13:22	253
2024	Jan	07 (Sun)	02:26	109	08:16	55S	14:03	248
2024	Jan	08 (Mon)	03:22	114	09:08	51S	14:51	244
2024	Jan	09 (Tue)	04:23	117	10:05	48S	15:46	242
2024	Jan	10 (Wed)	05:26	119	11:06	47S	16:47	241
2024	Jan	11 (Thu)	06:29	119	12:10	48S	17:53	242
2024	Jan	12 (Fri)	07:29	116	13:13	51S	18:59	246
2024	Jan	13 (Sat)	08:24	112	14:13	55S	20:04	251
2024	Jan	14 (Sun)	09:13	106	15:08	61S	21:06	257
2024	Jan	15 (Mon)	09:57	99	15:59	68S	22:05	264
2024	Jan	16 (Tue)	10:39	92	16:48	75S	23:01	272
2024	Jan	17 (Wed)	11:19	85	17:36	82S	23:57	279
2024	Jan	18 (Thu)	11:59	78	18:24	89S		
2024	Jan	19 (Fri)	12:41	72	19:13	87N	00:52	285
2024	Jan	20 (Sat)	13:26	67	20:05	82N	01:49	291
2024	Jan	21 (Sun)	14:15	63	20:59	79N	02:46	295
2024	Jan	22 (Mon)	15:07	61	21:54	78N	03:44	298
2024	Jan	23 (Tue)	16:01	61	22:49	78N	04:42	299
2024	Jan	24 (Wed)	16:57	62	23:42	79N	05:36	299
2024	Jan	25 (Thu)	17:52	65			06:26	297
2024	Jan	26 (Fri)	18:45	68	00:33	82N	07:11	294
2024	Jan	27 (Sat)	19:35	73	01:20	86N	07:52	289
2024	Jan	28 (Sun)	20:23	78	02:04	91S	08:29	284
2024	Jan	29 (Mon)	21:09	84	02:45	85S	09:04	279
2024	Jan	30 (Tue)	21:54	90	03:24	80S	09:36	273
2024	Jan	31 (Wed)	22:39	96	04:03	74S	10:09	267
2024	Feb	01 (Thu)	23:26	102	04:42	68S	10:42	261
2024	Feb	02 (Fri)			05:23	62S	11:17	255
2024	Feb	03 (Sat)	00:16	107	06:07	57S	11:56	250
2024	Feb	04 (Sun)	01:08	112	06:55	53S	12:40	246

2024 Feb 05 (Mon)	02:05 116	07:48 49S	13:30 242
2024 Feb 06 (Tue)	03:06 119	08:46 47S	14:26 241
2024 Feb 07 (Wed)	04:08 119	09:48 47S	15:29 241
2024 Feb 08 (Thu)	05:09 118	10:52 49S	16:36 243
2024 Feb 09 (Fri)	06:07 114	11:53 53S	17:42 248
2024 Feb 10 (Sat)	07:00 109	12:52 58S	18:47 254
2024 Feb 11 (Sun)	07:48 102	13:47 65S	19:49 261
2024 Feb 12 (Mon)	08:32 95	14:38 72S	20:49 269
2024 Feb 13 (Tue)	09:14 88	15:29 80S	21:47 276
2024 Feb 14 (Wed)	09:56 80	16:18 87S	22:44 283
2024 Feb 15 (Thu)	10:39 74	17:09 89N	23:42 289
2024 Feb 16 (Fri)	11:24 68	18:01 83N	
2024 Feb 17 (Sat)	12:12 64	18:54 80N	00:41 294
2024 Feb 18 (Sun)	13:03 61	19:50 78N	01:40 297
2024 Feb 19 (Mon)	13:57 61	20:45 77N	02:37 299
2024 Feb 20 (Tue)	14:52 61	21:38 78N	03:32 299
2024 Feb 21 (Wed)	15:47 63	22:29 81N	04:23 298
2024 Feb 22 (Thu)	16:40 67	23:17 84N	05:10 295
2024 Feb 23 (Fri)	17:30 71		05:51 291
2024 Feb 24 (Sat)	18:19 77	00:01 89N	06:29 286
2024 Feb 25 (Sun)	19:05 82	00:43 87S	07:04 280
2024 Feb 26 (Mon)	19:51 88	01:23 81S	07:37 275
2024 Feb 27 (Tue)	20:36 94	02:02 76S	08:10 269
2024 Feb 28 (Wed)	21:22 100	02:41 70S	08:43 263
2024 Feb 29 (Thu)	22:10 106	03:21 64S	09:17 257
2024 Mar 01 (Fri)	23:01 111	04:03 59S	09:54 252
2024 Mar 02 (Sat)	23:55 115	04:49 54S	10:35 247
2024 Mar 03 (Sun)		05:39 50S	11:21 243
2024 Mar 04 (Mon)	00:53 118	06:33 48S	12:13 241
2024 Mar 05 (Tue)	01:52 120	07:32 46S	13:11 240
2024 Mar 06 (Wed)	02:52 119	08:32 47S	14:14 242
2024 Mar 07 (Thu)	03:50 117	09:33 50S	15:19 245
2024 Mar 08 (Fri)	04:44 112	10:33 55S	16:24 250
2024 Mar 09 (Sat)	05:34 106	11:29 61S	17:27 257
2024 Mar 10 (Sun)	06:20 99	12:22 68S	18:29 265
2024 Mar 11 (Mon)	07:04 91	13:14 76S	19:29 272
2024 Mar 12 (Tue)	07:47 84	14:05 83S	20:28 280
2024 Mar 13 (Wed)	08:30 77	14:57 90S	21:28 287
2024 Mar 14 (Thu)	09:16 70	15:51 85N	22:29 292
2024 Mar 15 (Fri)	10:04 65	16:46 81N	23:30 297
2024 Mar 16 (Sat)	10:56 62	17:42 78N	
2024 Mar 17 (Sun)	11:51 61	18:39 77N	00:30 299
2024 Mar 18 (Mon)	12:46 61	19:34 78N	01:27 300
2024 Mar 19 (Tue)	13:42 62	20:26 80N	02:20 299
2024 Mar 20 (Wed)	14:36 66	21:15 83N	03:08 296
2024 Mar 21 (Thu)	15:27 70	22:00 87N	03:51 292
2024 Mar 22 (Fri)	16:16 75	22:42 89S	04:30 288
2024 Mar 23 (Sat)	17:03 80	23:23 83S	05:06 282
2024 Mar 24 (Sun)	17:48 86		05:39 277
2024 Mar 25 (Mon)	18:34 92	00:02 78S	06:12 271
2024 Mar 26 (Tue)	19:20 98	00:41 72S	06:44 265
2024 Mar 27 (Wed)	20:07 104	01:20 66S	07:18 259
2024 Mar 28 (Thu)	20:57 109	02:02 60S	07:54 253
2024 Mar 29 (Fri)	21:50 114	02:47 55S	08:33 248
2024 Mar 30 (Sat)	22:46 117	03:35 51S	09:17 244
2024 Mar 31 (Sun)	23:44 119	04:27 48S	10:07 242
2024 Apr 01 (Mon)		05:23 47S	11:02 240
2024 Apr 02 (Tue)	00:42 120	06:21 47S	12:01 241
2024 Apr 03 (Wed)	01:39 118	07:20 49S	13:04 243
2024 Apr 04 (Thu)	02:33 114	08:18 52S	14:06 248
2024 Apr 05 (Fri)	03:22 109	09:14 58S	15:08 254
2024 Apr 06 (Sat)	04:09 103	10:07 64S	16:09 261
2024 Apr 07 (Sun)	04:52 96	10:58 72S	17:08 268
2024 Apr 08 (Mon)	05:35 88	11:49 79S	18:08 276
2024 Apr 09 (Tue)	06:18 80	12:41 87S	19:08 283
2024 Apr 10 (Wed)	07:03 73	13:35 88N	20:10 290
2024 Apr 11 (Thu)	07:52 68	14:31 83N	21:13 295

2024 Apr 12 (Fri)	08:44 63	15:29 79N	22:16 298
2024 Apr 13 (Sat)	09:39 61	16:27 77N	23:16 300
2024 Apr 14 (Sun)	10:36 60	17:25 77N	
2024 Apr 15 (Mon)	11:34 62	18:20 79N	00:13 299
2024 Apr 16 (Tue)	12:29 64	19:10 82N	01:04 297
2024 Apr 17 (Wed)	13:22 68	19:57 86N	01:49 294
2024 Apr 18 (Thu)	14:12 73	20:41 91N	02:29 289
2024 Apr 19 (Fri)	14:59 78	21:21 85S	03:06 284
2024 Apr 20 (Sat)	15:45 84	22:01 80S	03:40 279
2024 Apr 21 (Sun)	16:30 90	22:40 74S	04:13 273
2024 Apr 22 (Mon)	17:16 96	23:19 68S	04:46 267
2024 Apr 23 (Tue)	18:03 102		05:19 261
2024 Apr 24 (Wed)	18:53 108	00:00 62S	05:54 255
2024 Apr 25 (Thu)	19:45 113	00:44 57S	06:33 250
2024 Apr 26 (Fri)	20:41 116	01:32 52S	07:16 246
2024 Apr 27 (Sat)	21:39 119	02:23 49S	08:04 242
2024 Apr 28 (Sun)	22:37 120	03:18 47S	08:57 241
2024 Apr 29 (Mon)	23:34 119	04:16 47S	09:55 241
2024 Apr 30 (Tue)		05:14 48S	10:56 242
2024 May 01 (Wed)	00:28 116	06:11 51S	11:57 246
2024 May 02 (Thu)	01:17 111	07:06 56S	12:58 251
2024 May 03 (Fri)	02:03 106	07:58 62S	13:56 258
2024 May 04 (Sat)	02:46 99	08:48 69S	14:54 265
2024 May 05 (Sun)	03:27 91	09:37 76S	15:52 272
2024 May 06 (Mon)	04:09 84	10:27 83S	16:50 280
2024 May 07 (Tue)	04:52 77	11:19 90S	17:50 287
2024 May 08 (Wed)	05:38 70	12:14 85N	18:52 292
2024 May 09 (Thu)	06:29 65	13:11 81N	19:56 297
2024 May 10 (Fri)	07:24 62	14:11 78N	20:59 299
2024 May 11 (Sat)	08:21 61	15:10 77N	21:59 299
2024 May 12 (Sun)	09:20 61	16:08 78N	22:54 298
2024 May 13 (Mon)	10:18 63	17:02 80N	23:43 295
2024 May 14 (Tue)	11:13 67	17:51 84N	
2024 May 15 (Wed)	12:05 71	18:36 89N	00:26 291
2024 May 16 (Thu)	12:54 76	19:18 87S	01:04 286
2024 May 17 (Fri)	13:40 82	19:58 82S	01:40 281
2024 May 18 (Sat)	14:26 88	20:37 76S	02:13 275
2024 May 19 (Sun)	15:11 94	21:16 70S	02:45 269
2024 May 20 (Mon)	15:58 100	21:57 64S	03:18 263
2024 May 21 (Tue)	16:46 106	22:40 59S	03:53 257
2024 May 22 (Wed)	17:38 111	23:26 54S	04:30 252
2024 May 23 (Thu)	18:33 115		05:12 247
2024 May 24 (Fri)	19:31 118	00:17 50S	05:59 243
2024 May 25 (Sat)	20:31 120	01:12 48S	06:52 241
2024 May 26 (Sun)	21:29 119	02:10 47S	07:49 240
2024 May 27 (Mon)	22:24 117	03:09 47S	08:50 242
2024 May 28 (Tue)	23:15 113	04:07 50S	09:52 245
2024 May 29 (Wed)		05:02 54S	10:52 250
2024 May 30 (Thu)	00:01 107	05:54 60S	11:51 256
2024 May 31 (Fri)	00:44 101	06:44 66S	12:47 263
2024 Jun 01 (Sat)	01:25 94	07:32 73S	13:43 270
2024 Jun 02 (Sun)	02:05 87	08:20 81S	14:39 277
2024 Jun 03 (Mon)	02:46 80	09:09 87S	15:37 284
2024 Jun 04 (Tue)	03:30 73	10:01 88N	16:37 290
2024 Jun 05 (Wed)	04:17 67	10:56 83N	17:39 295
2024 Jun 06 (Thu)	05:10 63	11:55 79N	18:42 298
2024 Jun 07 (Fri)	06:06 61	12:54 77N	19:44 299
2024 Jun 08 (Sat)	07:05 61	13:54 77N	20:41 299
2024 Jun 09 (Sun)	08:04 62	14:50 79N	21:33 296
2024 Jun 10 (Mon)	09:01 65	15:42 83N	22:20 293
2024 Jun 11 (Tue)	09:55 69	16:30 87N	23:00 288
2024 Jun 12 (Wed)	10:46 74	17:13 89S	23:37 283
2024 Jun 13 (Thu)	11:34 80	17:54 84S	
2024 Jun 14 (Fri)	12:20 86	18:33 78S	00:11 277
2024 Jun 15 (Sat)	13:05 92	19:12 72S	00:44 271
2024 Jun 16 (Sun)	13:51 98	19:52 66S	01:17 265
2024 Jun 17 (Mon)	14:38 104	20:34 61S	01:50 259

2024 Jun 18 (Tue)	15:28 109	21:19 56S	02:26 254
2024 Jun 19 (Wed)	16:22 114	22:08 51S	03:06 249
2024 Jun 20 (Thu)	17:19 117	23:01 48S	03:51 245
2024 Jun 21 (Fri)	18:19 119	23:59 47S	04:42 242
2024 Jun 22 (Sat)	19:19 119		05:39 241
2024 Jun 23 (Sun)	20:17 118	00:59 47S	06:40 241
2024 Jun 24 (Mon)	21:11 114	01:59 49S	07:43 244
2024 Jun 25 (Tue)	21:59 109	02:57 53S	08:45 248
2024 Jun 26 (Wed)	22:44 103	03:51 58S	09:45 254
2024 Jun 27 (Thu)	23:25 96	04:42 65S	10:43 261
2024 Jun 28 (Fri)		05:30 71S	11:39 268
2024 Jun 29 (Sat)	00:05 89	06:18 79S	12:34 275
2024 Jun 30 (Sun)	00:45 82	07:06 85S	13:30 282
2024 Jul 01 (Mon)	01:27 75	07:56 90N	14:28 288
2024 Jul 02 (Tue)	02:12 69	08:48 84N	15:28 293
2024 Jul 03 (Wed)	03:01 65	09:44 80N	16:30 297
2024 Jul 04 (Thu)	03:55 62	10:42 78N	17:31 299
2024 Jul 05 (Fri)	04:52 61	11:41 77N	18:30 299
2024 Jul 06 (Sat)	05:51 61	12:39 78N	19:24 298
2024 Jul 07 (Sun)	06:50 64	13:32 81N	20:12 294
2024 Jul 08 (Mon)	07:45 68	14:22 85N	20:56 290
2024 Jul 09 (Tue)	08:37 72	15:07 90N	21:34 285
2024 Jul 10 (Wed)	09:27 78	15:50 86S	22:09 279
2024 Jul 11 (Thu)	10:13 84	16:30 80S	22:43 273
2024 Jul 12 (Fri)	10:59 90	17:08 74S	23:15 267
2024 Jul 13 (Sat)	11:44 96	17:47 68S	23:48 261
2024 Jul 14 (Sun)	12:30 101	18:28 63S	
2024 Jul 15 (Mon)	13:19 107	19:11 58S	00:22 256
2024 Jul 16 (Tue)	14:10 112	19:57 53S	01:00 251
2024 Jul 17 (Wed)	15:06 116	20:49 49S	01:42 246
2024 Jul 18 (Thu)	16:04 119	21:44 47S	02:30 243
2024 Jul 19 (Fri)	17:04 120	22:44 47S	03:24 241
2024 Jul 20 (Sat)	18:04 119	23:45 48S	04:24 241
2024 Jul 21 (Sun)	19:00 116		05:27 242
2024 Jul 22 (Mon)	19:52 111	00:45 51S	06:31 246
2024 Jul 23 (Tue)	20:39 105	01:42 56S	07:34 252
2024 Jul 24 (Wed)	21:23 98	02:35 62S	08:35 258
2024 Jul 25 (Thu)	22:04 91	03:26 69S	09:33 266
2024 Jul 26 (Fri)	22:45 83	04:15 77S	10:29 273
2024 Jul 27 (Sat)	23:26 77	05:03 84S	11:26 280
2024 Jul 28 (Sun)		05:53 90S	12:23 287
2024 Jul 29 (Mon)	00:10 71	06:45 86N	13:22 292
2024 Jul 30 (Tue)	00:58 66	07:39 81N	14:23 296
2024 Jul 31 (Wed)	01:50 62	08:36 78N	15:23 299
2024 Aug 01 (Thu)	02:45 61	09:34 77N	16:22 300
2024 Aug 02 (Fri)	03:43 61	10:31 78N	17:17 298
2024 Aug 03 (Sat)	04:41 63	11:25 80N	18:07 296
2024 Aug 04 (Sun)	05:37 66	12:16 84N	18:52 292
2024 Aug 05 (Mon)	06:30 71	13:03 88N	19:32 287
2024 Aug 06 (Tue)	07:20 76	13:46 88S	20:08 281
2024 Aug 07 (Wed)	08:08 82	14:26 82S	20:42 275
2024 Aug 08 (Thu)	08:54 88	15:06 76S	21:14 269
2024 Aug 09 (Fri)	09:39 94	15:44 71S	21:47 264
2024 Aug 10 (Sat)	10:24 99	16:24 65S	22:20 258
2024 Aug 11 (Sun)	11:11 105	17:05 59S	22:56 252
2024 Aug 12 (Mon)	12:01 110	17:49 55S	23:36 248
2024 Aug 13 (Tue)	12:54 114	18:38 51S	
2024 Aug 14 (Wed)	13:50 118	19:30 48S	00:20 244
2024 Aug 15 (Thu)	14:48 119	20:27 46S	01:10 241
2024 Aug 16 (Fri)	15:47 119	21:27 47S	02:06 240
2024 Aug 17 (Sat)	16:45 117	22:27 49S	03:08 241
2024 Aug 18 (Sun)	17:39 114	23:26 54S	04:12 244
2024 Aug 19 (Mon)	18:29 108		05:16 249
2024 Aug 20 (Tue)	19:15 101	00:22 59S	06:19 255
2024 Aug 21 (Wed)	19:58 94	01:15 66S	07:19 262
2024 Aug 22 (Thu)	20:41 86	02:06 74S	08:18 270
2024 Aug 23 (Fri)	21:23 79	02:57 81S	09:17 278

2024 Aug 24 (Sat)	22:07	72	03:47	88S	10:16	285
2024 Aug 25 (Sun)	22:55	67	04:40	87N	11:16	291
2024 Aug 26 (Mon)	23:46	63	05:34	82N	12:17	295
2024 Aug 27 (Tue)			06:31	79N	13:18	298
2024 Aug 28 (Wed)	00:40	61	07:29	77N	14:18	300
2024 Aug 29 (Thu)	01:37	60	08:26	77N	15:14	299
2024 Aug 30 (Fri)	02:35	62	09:21	79N	16:05	297
2024 Aug 31 (Sat)	03:31	65	10:12	82N	16:50	293
2024 Sep 01 (Sun)	04:25	69	11:00	87N	17:31	289
2024 Sep 02 (Mon)	05:16	74	11:44	90S	18:08	283
2024 Sep 03 (Tue)	06:04	79	12:25	84S	18:42	277
2024 Sep 04 (Wed)	06:50	85	13:04	78S	19:15	272
2024 Sep 05 (Thu)	07:35	92	13:43	72S	19:47	266
2024 Sep 06 (Fri)	08:21	97	14:22	67S	20:20	260
2024 Sep 07 (Sat)	09:07	103	15:02	61S	20:55	254
2024 Sep 08 (Sun)	09:55	109	15:45	56S	21:33	249
2024 Sep 09 (Mon)	10:46	113	16:31	52S	22:14	245
2024 Sep 10 (Tue)	11:40	117	17:21	49S	23:01	242
2024 Sep 11 (Wed)	12:36	119	18:15	47S	23:54	240
2024 Sep 12 (Thu)	13:33	120	19:12	46S		
2024 Sep 13 (Fri)	14:30	119	20:11	48S	00:51	240
2024 Sep 14 (Sat)	15:25	116	21:09	51S	01:52	242
2024 Sep 15 (Sun)	16:16	111	22:05	56S	02:55	246
2024 Sep 16 (Mon)	17:03	105	22:59	62S	03:58	252
2024 Sep 17 (Tue)	17:48	98	23:52	70S	04:59	258
2024 Sep 18 (Wed)	18:31	90			06:00	266
2024 Sep 19 (Thu)	19:14	82	00:43	77S	07:00	274
2024 Sep 20 (Fri)	19:59	75	01:35	85S	08:00	282
2024 Sep 21 (Sat)	20:47	69	02:29	90N	09:02	288
2024 Sep 22 (Sun)	21:38	64	03:24	84N	10:05	294
2024 Sep 23 (Mon)	22:33	61	04:22	80N	11:09	298
2024 Sep 24 (Tue)	23:31	60	05:22	77N	12:11	300
2024 Sep 25 (Wed)			06:20	77N	13:09	300
2024 Sep 26 (Thu)	00:30	61	07:17	78N	14:02	298
2024 Sep 27 (Fri)	01:27	64	08:09	81N	14:49	294
2024 Sep 28 (Sat)	02:21	67	08:58	85N	15:32	290
2024 Sep 29 (Sun)	03:12	72	09:43	90N	16:09	285
2024 Sep 30 (Mon)	04:01	78	10:24	86S	16:44	279
2024 Oct 01 (Tue)	04:48	83	11:04	80S	17:17	274
2024 Oct 02 (Wed)	05:33	89	11:43	74S	17:49	267
2024 Oct 03 (Thu)	06:18	96	12:22	69S	18:22	262
2024 Oct 04 (Fri)	07:04	101	13:01	63S	18:56	256
2024 Oct 05 (Sat)	07:52	107	13:43	58S	19:33	251
2024 Oct 06 (Sun)	08:41	112	14:28	53S	20:13	246
2024 Oct 07 (Mon)	09:34	116	15:16	50S	20:57	243
2024 Oct 08 (Tue)	10:29	118	16:08	47S	21:47	241
2024 Oct 09 (Wed)	11:25	120	17:03	46S	22:41	240
2024 Oct 10 (Thu)	12:21	119	18:00	47S	23:40	241
2024 Oct 11 (Fri)	13:14	117	18:56	49S		
2024 Oct 12 (Sat)	14:05	113	19:51	54S	00:40	244
2024 Oct 13 (Sun)	14:52	108	20:45	59S	01:41	249
2024 Oct 14 (Mon)	15:37	101	21:36	66S	02:41	255
2024 Oct 15 (Tue)	16:20	94	22:27	73S	03:40	262
2024 Oct 16 (Wed)	17:02	86	23:19	81S	04:39	270
2024 Oct 17 (Thu)	17:47	79			05:39	278
2024 Oct 18 (Fri)	18:34	72	00:12	88S	06:41	285
2024 Oct 19 (Sat)	19:25	66	01:07	87N	07:45	291
2024 Oct 20 (Sun)	20:20	62	02:06	82N	08:51	296
2024 Oct 21 (Mon)	21:19	60	03:07	78N	09:56	299
2024 Oct 22 (Tue)	22:20	61	04:09	77N	10:58	300
2024 Oct 23 (Wed)	23:19	63	05:08	78N	11:55	299
2024 Oct 24 (Thu)			06:04	80N	12:46	296
2024 Oct 25 (Fri)	00:15	66	06:54	84N	13:30	292
2024 Oct 26 (Sat)	01:08	71	07:41	88N	14:10	287
2024 Oct 27 (Sun)	01:58	76	08:23	88S	14:45	281
2024 Oct 28 (Mon)	02:45	82	09:04	82S	15:19	275
2024 Oct 29 (Tue)	03:30	88	09:42	76S	15:51	269

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