

Sun

VTMI

Location: E100°18'00.0", N15°17'00.0", 107m
(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)	05:55	06:45 114		12:22 52S	17:59 246		18:49
2024 Jan 02 (Tue)	05:55	06:45 114		12:22 52S	18:00 246		18:50
2024 Jan 03 (Wed)	05:56	06:46 114		12:23 53S	18:00 247		18:50
2024 Jan 04 (Thu)	05:56	06:46 113		12:23 53S	18:01 247		18:51
2024 Jan 05 (Fri)	05:56	06:46 113		12:24 53S	18:02 247		18:51
2024 Jan 06 (Sat)	05:57	06:47 113		12:24 53S	18:02 247		18:52
2024 Jan 07 (Sun)	05:57	06:47 113		12:25 53S	18:03 247		18:53
2024 Jan 08 (Mon)	05:57	06:47 113		12:25 53S	18:03 247		18:53
2024 Jan 09 (Tue)	05:58	06:47 113		12:26 53S	18:04 247		18:54
2024 Jan 10 (Wed)	05:58	06:48 113		12:26 53S	18:05 247		18:54
2024 Jan 11 (Thu)	05:58	06:48 113		12:26 54S	18:05 248		18:55
2024 Jan 12 (Fri)	05:58	06:48 112		12:27 54S	18:06 248		18:55
2024 Jan 13 (Sat)	05:59	06:48 112		12:27 54S	18:06 248		18:56
2024 Jan 14 (Sun)	05:59	06:48 112		12:28 54S	18:07 248		18:56
2024 Jan 15 (Mon)	05:59	06:49 112		12:28 54S	18:07 248		18:57
2024 Jan 16 (Tue)	05:59	06:49 112		12:28 54S	18:08 248		18:57
2024 Jan 17 (Wed)	06:00	06:49 111		12:29 55S	18:09 249		18:58
2024 Jan 18 (Thu)	06:00	06:49 111		12:29 55S	18:09 249		18:58
2024 Jan 19 (Fri)	06:00	06:49 111		12:29 55S	18:10 249		18:59
2024 Jan 20 (Sat)	06:00	06:49 111		12:30 55S	18:10 249		18:59
2024 Jan 21 (Sun)	06:00	06:49 111		12:30 55S	18:11 250		19:00
2024 Jan 22 (Mon)	06:00	06:49 110		12:30 56S	18:11 250		19:00
2024 Jan 23 (Tue)	06:00	06:49 110		12:30 56S	18:12 250		19:01
2024 Jan 24 (Wed)	06:00	06:49 110		12:31 56S	18:12 250		19:01
2024 Jan 25 (Thu)	06:00	06:49 110		12:31 56S	18:13 250		19:02
2024 Jan 26 (Fri)	06:00	06:49 109		12:31 57S	18:14 251		19:02
2024 Jan 27 (Sat)	06:00	06:49 109		12:31 57S	18:14 251		19:03
2024 Jan 28 (Sun)	06:00	06:49 109		12:32 57S	18:15 251		19:03
2024 Jan 29 (Mon)	06:00	06:49 109		12:32 57S	18:15 252		19:03
2024 Jan 30 (Tue)	06:00	06:48 108		12:32 58S	18:16 252		19:04
2024 Jan 31 (Wed)	06:00	06:48 108		12:32 58S	18:16 252		19:04
2024 Feb 01 (Thu)	06:00	06:48 108		12:32 58S	18:17 252		19:05
2024 Feb 02 (Fri)	06:00	06:48 107		12:32 58S	18:17 253		19:05
2024 Feb 03 (Sat)	06:00	06:48 107		12:33 59S	18:17 253		19:06
2024 Feb 04 (Sun)	05:59	06:47 107		12:33 59S	18:18 253		19:06
2024 Feb 05 (Mon)	05:59	06:47 107		12:33 59S	18:18 254		19:06
2024 Feb 06 (Tue)	05:59	06:47 106		12:33 60S	18:19 254		19:07
2024 Feb 07 (Wed)	05:59	06:47 106		12:33 60S	18:19 254		19:07
2024 Feb 08 (Thu)	05:59	06:46 106		12:33 60S	18:20 255		19:07
2024 Feb 09 (Fri)	05:58	06:46 105		12:33 61S	18:20 255		19:08
2024 Feb 10 (Sat)	05:58	06:46 105		12:33 61S	18:20 255		19:08
2024 Feb 11 (Sun)	05:58	06:45 105		12:33 61S	18:21 256		19:08
2024 Feb 12 (Mon)	05:58	06:45 104		12:33 62S	18:21 256		19:09
2024 Feb 13 (Tue)	05:57	06:45 104		12:33 62S	18:22 256		19:09
2024 Feb 14 (Wed)	05:57	06:44 104		12:33 62S	18:22 257		19:09
2024 Feb 15 (Thu)	05:57	06:44 103		12:33 63S	18:22 257		19:10
2024 Feb 16 (Fri)	05:56	06:43 103		12:33 63S	18:23 257		19:10
2024 Feb 17 (Sat)	05:56	06:43 102		12:33 63S	18:23 258		19:10
2024 Feb 18 (Sun)	05:55	06:42 102		12:33 64S	18:23 258		19:10
2024 Feb 19 (Mon)	05:55	06:42 102		12:33 64S	18:24 258		19:11
2024 Feb 20 (Tue)	05:54	06:41 101		12:33 64S	18:24 259		19:11
2024 Feb 21 (Wed)	05:54	06:41 101		12:32 65S	18:24 259		19:11
2024 Feb 22 (Thu)	05:54	06:40 101		12:32 65S	18:24 260		19:11
2024 Feb 23 (Fri)	05:53	06:40 100		12:32 65S	18:25 260		19:12
2024 Feb 24 (Sat)	05:53	06:39 100		12:32 66S	18:25 260		19:12

2024	Feb	25	(Sun)	05:52	06:39	99	12:32	66S	18:25	261	19:12
2024	Feb	26	(Mon)	05:52	06:38	99	12:32	67S	18:26	261	19:12
2024	Feb	27	(Tue)	05:51	06:38	99	12:32	67S	18:26	261	19:12
2024	Feb	28	(Wed)	05:50	06:37	98	12:31	67S	18:26	262	19:13
2024	Feb	29	(Thu)	05:50	06:36	98	12:31	68S	18:26	262	19:13
2024	Mar	01	(Fri)	05:49	06:36	98	12:31	68S	18:26	263	19:13
2024	Mar	02	(Sat)	05:49	06:35	97	12:31	68S	18:27	263	19:13
2024	Mar	03	(Sun)	05:48	06:35	97	12:31	69S	18:27	263	19:13
2024	Mar	04	(Mon)	05:48	06:34	96	12:30	69S	18:27	264	19:14
2024	Mar	05	(Tue)	05:47	06:33	96	12:30	70S	18:27	264	19:14
2024	Mar	06	(Wed)	05:46	06:33	96	12:30	70S	18:27	265	19:14
2024	Mar	07	(Thu)	05:46	06:32	95	12:30	70S	18:28	265	19:14
2024	Mar	08	(Fri)	05:45	06:31	95	12:29	71S	18:28	265	19:14
2024	Mar	09	(Sat)	05:44	06:31	94	12:29	71S	18:28	266	19:14
2024	Mar	10	(Sun)	05:44	06:30	94	12:29	72S	18:28	266	19:15
2024	Mar	11	(Mon)	05:43	06:29	94	12:29	72S	18:28	267	19:15
2024	Mar	12	(Tue)	05:42	06:29	93	12:28	72S	18:29	267	19:15
2024	Mar	13	(Wed)	05:42	06:28	93	12:28	73S	18:29	268	19:15
2024	Mar	14	(Thu)	05:41	06:27	92	12:28	73S	18:29	268	19:15
2024	Mar	15	(Fri)	05:40	06:26	92	12:28	73S	18:29	268	19:15
2024	Mar	16	(Sat)	05:39	06:26	91	12:27	74S	18:29	269	19:15
2024	Mar	17	(Sun)	05:39	06:25	91	12:27	74S	18:29	269	19:16
2024	Mar	18	(Mon)	05:38	06:24	91	12:27	75S	18:29	270	19:16
2024	Mar	19	(Tue)	05:37	06:24	90	12:26	75S	18:30	270	19:16
2024	Mar	20	(Wed)	05:37	06:23	90	12:26	75S	18:30	270	19:16
2024	Mar	21	(Thu)	05:36	06:22	89	12:26	76S	18:30	271	19:16
2024	Mar	22	(Fri)	05:35	06:21	89	12:26	76S	18:30	271	19:16
2024	Mar	23	(Sat)	05:34	06:21	89	12:25	77S	18:30	272	19:16
2024	Mar	24	(Sun)	05:34	06:20	88	12:25	77S	18:30	272	19:17
2024	Mar	25	(Mon)	05:33	06:19	88	12:25	77S	18:30	272	19:17
2024	Mar	26	(Tue)	05:32	06:19	87	12:24	78S	18:30	273	19:17
2024	Mar	27	(Wed)	05:31	06:18	87	12:24	78S	18:31	273	19:17
2024	Mar	28	(Thu)	05:31	06:17	87	12:24	79S	18:31	274	19:17
2024	Mar	29	(Fri)	05:30	06:16	86	12:23	79S	18:31	274	19:17
2024	Mar	30	(Sat)	05:29	06:16	86	12:23	79S	18:31	274	19:18
2024	Mar	31	(Sun)	05:28	06:15	85	12:23	80S	18:31	275	19:18
2024	Apr	01	(Mon)	05:28	06:14	85	12:23	80S	18:31	275	19:18
2024	Apr	02	(Tue)	05:27	06:13	85	12:22	81S	18:31	276	19:18
2024	Apr	03	(Wed)	05:26	06:13	84	12:22	81S	18:32	276	19:18
2024	Apr	04	(Thu)	05:25	06:12	84	12:22	81S	18:32	276	19:18
2024	Apr	05	(Fri)	05:24	06:11	83	12:21	82S	18:32	277	19:19
2024	Apr	06	(Sat)	05:24	06:11	83	12:21	82S	18:32	277	19:19
2024	Apr	07	(Sun)	05:23	06:10	83	12:21	82S	18:32	278	19:19
2024	Apr	08	(Mon)	05:22	06:09	82	12:21	83S	18:32	278	19:19
2024	Apr	09	(Tue)	05:21	06:08	82	12:20	83S	18:32	278	19:19
2024	Apr	10	(Wed)	05:21	06:08	81	12:20	84S	18:33	279	19:20
2024	Apr	11	(Thu)	05:20	06:07	81	12:20	84S	18:33	279	19:20
2024	Apr	12	(Fri)	05:19	06:06	81	12:20	84S	18:33	280	19:20
2024	Apr	13	(Sat)	05:19	06:06	80	12:19	85S	18:33	280	19:20
2024	Apr	14	(Sun)	05:18	06:05	80	12:19	85S	18:33	280	19:20
2024	Apr	15	(Mon)	05:17	06:04	80	12:19	85S	18:33	281	19:21
2024	Apr	16	(Tue)	05:16	06:04	79	12:19	86S	18:33	281	19:21
2024	Apr	17	(Wed)	05:16	06:03	79	12:18	86S	18:34	281	19:21
2024	Apr	18	(Thu)	05:15	06:03	78	12:18	86S	18:34	282	19:21
2024	Apr	19	(Fri)	05:14	06:02	78	12:18	87S	18:34	282	19:22
2024	Apr	20	(Sat)	05:14	06:01	78	12:18	87S	18:34	282	19:22
2024	Apr	21	(Sun)	05:13	06:01	77	12:17	87S	18:34	283	19:22
2024	Apr	22	(Mon)	05:12	06:00	77	12:17	88S	18:35	283	19:23
2024	Apr	23	(Tue)	05:12	06:00	77	12:17	88S	18:35	283	19:23
2024	Apr	24	(Wed)	05:11	05:59	76	12:17	88S	18:35	284	19:23
2024	Apr	25	(Thu)	05:10	05:58	76	12:17	89S	18:35	284	19:23
2024	Apr	26	(Fri)	05:10	05:58	76	12:17	89S	18:35	285	19:24
2024	Apr	27	(Sat)	05:09	05:57	75	12:16	89S	18:36	285	19:24
2024	Apr	28	(Sun)	05:09	05:57	75	12:16	90S	18:36	285	19:24
2024	Apr	29	(Mon)	05:08	05:56	75	12:16	90S	18:36	285	19:25
2024	Apr	30	(Tue)	05:07	05:56	74	12:16	90S	18:36	286	19:25
2024	May	01	(Wed)	05:07	05:55	74	12:16	91S	18:37	286	19:25

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

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

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

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

Sun

VTMI

Location: E100°18'00.0", N15°17'00.0", 107m
(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)	06:22	06:45	114	12:22	52S	17:59	246	18:22
2024	Jan	02	(Tue)	06:22	06:45	114	12:22	52S	18:00	246	18:23
2024	Jan	03	(Wed)	06:22	06:46	114	12:23	53S	18:00	247	18:24
2024	Jan	04	(Thu)	06:23	06:46	113	12:23	53S	18:01	247	18:24
2024	Jan	05	(Fri)	06:23	06:46	113	12:24	53S	18:02	247	18:25
2024	Jan	06	(Sat)	06:23	06:47	113	12:24	53S	18:02	247	18:25
2024	Jan	07	(Sun)	06:24	06:47	113	12:25	53S	18:03	247	18:26
2024	Jan	08	(Mon)	06:24	06:47	113	12:25	53S	18:03	247	18:26
2024	Jan	09	(Tue)	06:24	06:47	113	12:26	53S	18:04	247	18:27
2024	Jan	10	(Wed)	06:24	06:48	113	12:26	53S	18:05	247	18:28
2024	Jan	11	(Thu)	06:25	06:48	113	12:26	54S	18:05	248	18:28

2024	Jan	12	(Fri)	06:25	06:48	112	12:27	54S	18:06	248	18:29
2024	Jan	13	(Sat)	06:25	06:48	112	12:27	54S	18:06	248	18:29
2024	Jan	14	(Sun)	06:25	06:48	112	12:28	54S	18:07	248	18:30
2024	Jan	15	(Mon)	06:26	06:49	112	12:28	54S	18:07	248	18:30
2024	Jan	16	(Tue)	06:26	06:49	112	12:28	54S	18:08	248	18:31
2024	Jan	17	(Wed)	06:26	06:49	111	12:29	55S	18:09	249	18:31
2024	Jan	18	(Thu)	06:26	06:49	111	12:29	55S	18:09	249	18:32
2024	Jan	19	(Fri)	06:26	06:49	111	12:29	55S	18:10	249	18:33
2024	Jan	20	(Sat)	06:26	06:49	111	12:30	55S	18:10	249	18:33
2024	Jan	21	(Sun)	06:26	06:49	111	12:30	55S	18:11	250	18:34
2024	Jan	22	(Mon)	06:26	06:49	110	12:30	56S	18:11	250	18:34
2024	Jan	23	(Tue)	06:26	06:49	110	12:30	56S	18:12	250	18:35
2024	Jan	24	(Wed)	06:26	06:49	110	12:31	56S	18:12	250	18:35
2024	Jan	25	(Thu)	06:26	06:49	110	12:31	56S	18:13	250	18:36
2024	Jan	26	(Fri)	06:26	06:49	109	12:31	57S	18:14	251	18:36
2024	Jan	27	(Sat)	06:26	06:49	109	12:31	57S	18:14	251	18:37
2024	Jan	28	(Sun)	06:26	06:49	109	12:32	57S	18:15	251	18:37
2024	Jan	29	(Mon)	06:26	06:49	109	12:32	57S	18:15	252	18:38
2024	Jan	30	(Tue)	06:26	06:48	108	12:32	58S	18:16	252	18:38
2024	Jan	31	(Wed)	06:26	06:48	108	12:32	58S	18:16	252	18:38
2024	Feb	01	(Thu)	06:26	06:48	108	12:32	58S	18:17	252	18:39
2024	Feb	02	(Fri)	06:26	06:48	107	12:32	58S	18:17	253	18:39
2024	Feb	03	(Sat)	06:25	06:48	107	12:33	59S	18:17	253	18:40
2024	Feb	04	(Sun)	06:25	06:47	107	12:33	59S	18:18	253	18:40
2024	Feb	05	(Mon)	06:25	06:47	107	12:33	59S	18:18	254	18:41
2024	Feb	06	(Tue)	06:25	06:47	106	12:33	60S	18:19	254	18:41
2024	Feb	07	(Wed)	06:24	06:47	106	12:33	60S	18:19	254	18:41
2024	Feb	08	(Thu)	06:24	06:46	106	12:33	60S	18:20	255	18:42
2024	Feb	09	(Fri)	06:24	06:46	105	12:33	61S	18:20	255	18:42
2024	Feb	10	(Sat)	06:24	06:46	105	12:33	61S	18:20	255	18:43
2024	Feb	11	(Sun)	06:23	06:45	105	12:33	61S	18:21	256	18:43
2024	Feb	12	(Mon)	06:23	06:45	104	12:33	62S	18:21	256	18:43
2024	Feb	13	(Tue)	06:23	06:45	104	12:33	62S	18:22	256	18:44
2024	Feb	14	(Wed)	06:22	06:44	104	12:33	62S	18:22	257	18:44
2024	Feb	15	(Thu)	06:22	06:44	103	12:33	63S	18:22	257	18:44
2024	Feb	16	(Fri)	06:21	06:43	103	12:33	63S	18:23	257	18:45
2024	Feb	17	(Sat)	06:21	06:43	102	12:33	63S	18:23	258	18:45
2024	Feb	18	(Sun)	06:21	06:42	102	12:33	64S	18:23	258	18:45
2024	Feb	19	(Mon)	06:20	06:42	102	12:33	64S	18:24	258	18:45
2024	Feb	20	(Tue)	06:20	06:41	101	12:33	64S	18:24	259	18:46
2024	Feb	21	(Wed)	06:19	06:41	101	12:32	65S	18:24	259	18:46
2024	Feb	22	(Thu)	06:19	06:40	101	12:32	65S	18:24	260	18:46
2024	Feb	23	(Fri)	06:18	06:40	100	12:32	65S	18:25	260	18:46
2024	Feb	24	(Sat)	06:18	06:39	100	12:32	66S	18:25	260	18:47
2024	Feb	25	(Sun)	06:17	06:39	99	12:32	66S	18:25	261	18:47
2024	Feb	26	(Mon)	06:17	06:38	99	12:32	67S	18:26	261	18:47
2024	Feb	27	(Tue)	06:16	06:38	99	12:32	67S	18:26	261	18:47
2024	Feb	28	(Wed)	06:15	06:37	98	12:31	67S	18:26	262	18:48
2024	Feb	29	(Thu)	06:15	06:36	98	12:31	68S	18:26	262	18:48
2024	Mar	01	(Fri)	06:14	06:36	98	12:31	68S	18:26	263	18:48
2024	Mar	02	(Sat)	06:14	06:35	97	12:31	68S	18:27	263	18:48
2024	Mar	03	(Sun)	06:13	06:35	97	12:31	69S	18:27	263	18:48
2024	Mar	04	(Mon)	06:12	06:34	96	12:30	69S	18:27	264	18:49
2024	Mar	05	(Tue)	06:12	06:33	96	12:30	70S	18:27	264	18:49
2024	Mar	06	(Wed)	06:11	06:33	96	12:30	70S	18:27	265	18:49
2024	Mar	07	(Thu)	06:11	06:32	95	12:30	70S	18:28	265	18:49
2024	Mar	08	(Fri)	06:10	06:31	95	12:29	71S	18:28	265	18:49
2024	Mar	09	(Sat)	06:09	06:31	94	12:29	71S	18:28	266	18:50
2024	Mar	10	(Sun)	06:09	06:30	94	12:29	72S	18:28	266	18:50
2024	Mar	11	(Mon)	06:08	06:29	94	12:29	72S	18:28	267	18:50
2024	Mar	12	(Tue)	06:07	06:29	93	12:28	72S	18:29	267	18:50
2024	Mar	13	(Wed)	06:06	06:28	93	12:28	73S	18:29	268	18:50
2024	Mar	14	(Thu)	06:06	06:27	92	12:28	73S	18:29	268	18:50
2024	Mar	15	(Fri)	06:05	06:26	92	12:28	73S	18:29	268	18:50
2024	Mar	16	(Sat)	06:04	06:26	91	12:27	74S	18:29	269	18:51
2024	Mar	17	(Sun)	06:04	06:25	91	12:27	74S	18:29	269	18:51
2024	Mar	18	(Mon)	06:03	06:24	91	12:27	75S	18:29	270	18:51

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

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

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

2024	Oct	06	(Sun)	05:48	06:09	95	12:07	70S	18:04	265	18:26
2024	Oct	07	(Mon)	05:48	06:09	96	12:07	70S	18:04	264	18:25
2024	Oct	08	(Tue)	05:48	06:09	96	12:06	69S	18:03	264	18:24
2024	Oct	09	(Wed)	05:48	06:10	96	12:06	69S	18:02	263	18:24
2024	Oct	10	(Thu)	05:48	06:10	97	12:06	69S	18:02	263	18:23
2024	Oct	11	(Fri)	05:48	06:10	97	12:05	68S	18:01	263	18:22
2024	Oct	12	(Sat)	05:48	06:10	98	12:05	68S	18:00	262	18:22
2024	Oct	13	(Sun)	05:49	06:10	98	12:05	67S	18:00	262	18:21
2024	Oct	14	(Mon)	05:49	06:10	98	12:05	67S	17:59	262	18:21
2024	Oct	15	(Tue)	05:49	06:11	99	12:05	67S	17:58	261	18:20
2024	Oct	16	(Wed)	05:49	06:11	99	12:04	66S	17:58	261	18:19
2024	Oct	17	(Thu)	05:49	06:11	99	12:04	66S	17:57	260	18:19
2024	Oct	18	(Fri)	05:49	06:11	100	12:04	66S	17:56	260	18:18
2024	Oct	19	(Sat)	05:50	06:11	100	12:04	65S	17:56	260	18:18
2024	Oct	20	(Sun)	05:50	06:12	101	12:04	65S	17:55	259	18:17
2024	Oct	21	(Mon)	05:50	06:12	101	12:03	65S	17:55	259	18:17
2024	Oct	22	(Tue)	05:50	06:12	101	12:03	64S	17:54	259	18:16
2024	Oct	23	(Wed)	05:51	06:12	102	12:03	64S	17:54	258	18:15
2024	Oct	24	(Thu)	05:51	06:13	102	12:03	64S	17:53	258	18:15
2024	Oct	25	(Fri)	05:51	06:13	102	12:03	63S	17:53	257	18:15
2024	Oct	26	(Sat)	05:51	06:13	103	12:03	63S	17:52	257	18:14
2024	Oct	27	(Sun)	05:51	06:13	103	12:03	62S	17:52	257	18:14
2024	Oct	28	(Mon)	05:52	06:14	103	12:03	62S	17:51	256	18:13
2024	Oct	29	(Tue)	05:52	06:14	104	12:02	62S	17:51	256	18:13
2024	Oct	30	(Wed)	05:52	06:14	104	12:02	61S	17:50	256	18:12
2024	Oct	31	(Thu)	05:53	06:15	104	12:02	61S	17:50	255	18:12
2024	Nov	01	(Fri)	05:53	06:15	105	12:02	61S	17:50	255	18:12
2024	Nov	02	(Sat)	05:53	06:15	105	12:02	61S	17:49	255	18:11
2024	Nov	03	(Sun)	05:54	06:16	105	12:02	60S	17:49	254	18:11
2024	Nov	04	(Mon)	05:54	06:16	106	12:02	60S	17:48	254	18:11
2024	Nov	05	(Tue)	05:54	06:16	106	12:02	60S	17:48	254	18:10
2024	Nov	06	(Wed)	05:55	06:17	106	12:02	59S	17:48	253	18:10
2024	Nov	07	(Thu)	05:55	06:17	107	12:02	59S	17:48	253	18:10
2024	Nov	08	(Fri)	05:55	06:18	107	12:03	59S	17:47	253	18:10
2024	Nov	09	(Sat)	05:56	06:18	107	12:03	58S	17:47	253	18:09
2024	Nov	10	(Sun)	05:56	06:18	108	12:03	58S	17:47	252	18:09
2024	Nov	11	(Mon)	05:57	06:19	108	12:03	58S	17:47	252	18:09
2024	Nov	12	(Tue)	05:57	06:19	108	12:03	58S	17:46	252	18:09
2024	Nov	13	(Wed)	05:57	06:20	108	12:03	57S	17:46	251	18:09
2024	Nov	14	(Thu)	05:58	06:20	109	12:03	57S	17:46	251	18:09
2024	Nov	15	(Fri)	05:58	06:21	109	12:03	57S	17:46	251	18:09
2024	Nov	16	(Sat)	05:59	06:21	109	12:04	57S	17:46	251	18:08
2024	Nov	17	(Sun)	05:59	06:22	110	12:04	56S	17:46	250	18:08
2024	Nov	18	(Mon)	06:00	06:22	110	12:04	56S	17:46	250	18:08
2024	Nov	19	(Tue)	06:00	06:23	110	12:04	56S	17:46	250	18:08
2024	Nov	20	(Wed)	06:00	06:23	110	12:04	56S	17:46	250	18:08
2024	Nov	21	(Thu)	06:01	06:24	110	12:05	55S	17:46	249	18:08
2024	Nov	22	(Fri)	06:01	06:24	111	12:05	55S	17:46	249	18:08
2024	Nov	23	(Sat)	06:02	06:25	111	12:05	55S	17:46	249	18:08
2024	Nov	24	(Sun)	06:02	06:25	111	12:06	55S	17:46	249	18:08
2024	Nov	25	(Mon)	06:03	06:26	111	12:06	55S	17:46	249	18:09
2024	Nov	26	(Tue)	06:03	06:26	112	12:06	54S	17:46	248	18:09
2024	Nov	27	(Wed)	06:04	06:27	112	12:06	54S	17:46	248	18:09
2024	Nov	28	(Thu)	06:05	06:28	112	12:07	54S	17:46	248	18:09
2024	Nov	29	(Fri)	06:05	06:28	112	12:07	54S	17:46	248	18:09
2024	Nov	30	(Sat)	06:06	06:29	112	12:08	54S	17:46	248	18:09
2024	Dec	01	(Sun)	06:06	06:29	112	12:08	54S	17:46	247	18:10
2024	Dec	02	(Mon)	06:07	06:30	113	12:08	53S	17:47	247	18:10
2024	Dec	03	(Tue)	06:07	06:30	113	12:09	53S	17:47	247	18:10
2024	Dec	04	(Wed)	06:08	06:31	113	12:09	53S	17:47	247	18:10
2024	Dec	05	(Thu)	06:08	06:31	113	12:09	53S	17:47	247	18:11
2024	Dec	06	(Fri)	06:09	06:32	113	12:10	53S	17:48	247	18:11
2024	Dec	07	(Sat)	06:09	06:33	113	12:10	53S	17:48	247	18:11
2024	Dec	08	(Sun)	06:10	06:33	113	12:11	53S	17:48	247	18:11
2024	Dec	09	(Mon)	06:11	06:34	113	12:11	53S	17:49	246	18:12
2024	Dec	10	(Tue)	06:11	06:34	114	12:12	52S	17:49	246	18:12
2024	Dec	11	(Wed)	06:12	06:35	114	12:12	52S	17:49	246	18:13

2024	Dec 12	(Thu)	06:12	06:35	114	12:13	52S	17:50	246	18:13
2024	Dec 13	(Fri)	06:13	06:36	114	12:13	52S	17:50	246	18:13
2024	Dec 14	(Sat)	06:13	06:37	114	12:14	52S	17:50	246	18:14
2024	Dec 15	(Sun)	06:14	06:37	114	12:14	52S	17:51	246	18:14
2024	Dec 16	(Mon)	06:14	06:38	114	12:15	52S	17:51	246	18:15
2024	Dec 17	(Tue)	06:15	06:38	114	12:15	52S	17:52	246	18:15
2024	Dec 18	(Wed)	06:15	06:39	114	12:15	52S	17:52	246	18:16
2024	Dec 19	(Thu)	06:16	06:39	114	12:16	52S	17:53	246	18:16
2024	Dec 20	(Fri)	06:16	06:40	114	12:16	52S	17:53	246	18:16
2024	Dec 21	(Sat)	06:17	06:40	114	12:17	52S	17:54	246	18:17
2024	Dec 22	(Sun)	06:17	06:41	114	12:17	52S	17:54	246	18:17
2024	Dec 23	(Mon)	06:18	06:41	114	12:18	52S	17:55	246	18:18
2024	Dec 24	(Tue)	06:18	06:42	114	12:18	52S	17:55	246	18:19
2024	Dec 25	(Wed)	06:19	06:42	114	12:19	52S	17:56	246	18:19
2024	Dec 26	(Thu)	06:19	06:43	114	12:19	52S	17:56	246	18:20
2024	Dec 27	(Fri)	06:20	06:43	114	12:20	52S	17:57	246	18:20
2024	Dec 28	(Sat)	06:20	06:44	114	12:20	52S	17:57	246	18:21
2024	Dec 29	(Sun)	06:21	06:44	114	12:21	52S	17:58	246	18:21
2024	Dec 30	(Mon)	06:21	06:44	114	12:21	52S	17:59	246	18:22
2024	Dec 31	(Tue)	06:21	06:45	114	12:22	52S	17:59	246	18:22

Moon

VTMI

Location: E100°18'00.0", N15°17'00.0", 107m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date			Rise			Transit			Set		
(Zone)			Az.			Alt.			Az.		
			h	m	°	h	m	°	h	m	°
2024	Jan 01	(Mon)	22:30	80		04:10	89S		10:33	282	
2024	Jan 02	(Tue)	23:16	86		04:50	83S		11:07	277	
2024	Jan 03	(Wed)				05:29	77S		11:40	271	
2024	Jan 04	(Thu)	00:02	92		06:09	72S		12:12	265	
2024	Jan 05	(Fri)	00:48	98		06:49	66S		12:47	259	
2024	Jan 06	(Sat)	01:37	104		07:32	60S		13:24	253	
2024	Jan 07	(Sun)	02:29	109		08:19	55S		14:06	248	
2024	Jan 08	(Mon)	03:25	114		09:10	51S		14:53	244	
2024	Jan 09	(Tue)	04:26	117		10:07	48S		15:48	241	
2024	Jan 10	(Wed)	05:29	119		11:09	47S		16:49	241	
2024	Jan 11	(Thu)	06:32	119		12:13	47S		17:55	242	
2024	Jan 12	(Fri)	07:32	116		13:16	50S		19:02	245	
2024	Jan 13	(Sat)	08:27	112		14:15	55S		20:07	251	
2024	Jan 14	(Sun)	09:16	106		15:10	61S		21:09	257	
2024	Jan 15	(Mon)	10:00	99		16:02	68S		22:07	264	
2024	Jan 16	(Tue)	10:41	92		16:51	75S		23:04	272	
2024	Jan 17	(Wed)	11:22	85		17:38	82S		23:59	279	
2024	Jan 18	(Thu)	12:02	78		18:26	89S				
2024	Jan 19	(Fri)	12:44	72		19:16	87N		00:55	285	
2024	Jan 20	(Sat)	13:29	67		20:07	83N		01:52	291	
2024	Jan 21	(Sun)	14:17	63		21:01	79N		02:49	295	
2024	Jan 22	(Mon)	15:09	61		21:56	78N		03:48	298	
2024	Jan 23	(Tue)	16:04	61		22:52	78N		04:45	299	
2024	Jan 24	(Wed)	16:59	62		23:45	79N		05:39	299	
2024	Jan 25	(Thu)	17:54	65					06:29	297	
2024	Jan 26	(Fri)	18:47	68		00:36	82N		07:14	294	
2024	Jan 27	(Sat)	19:37	73		01:23	86N		07:55	289	
2024	Jan 28	(Sun)	20:25	78		02:06	90S		08:32	284	
2024	Jan 29	(Mon)	21:11	84		02:47	85S		09:06	279	
2024	Jan 30	(Tue)	21:56	90		03:27	79S		09:39	273	
2024	Jan 31	(Wed)	22:42	96		04:06	74S		10:11	267	
2024	Feb 01	(Thu)	23:29	102		04:45	68S		10:45	261	
2024	Feb 02	(Fri)				05:26	62S		11:20	255	
2024	Feb 03	(Sat)	00:18	108		06:10	57S		11:58	250	
2024	Feb 04	(Sun)	01:11	112		06:58	52S		12:42	246	

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

2024 Apr 12 (Fri)	08:46 63	15:31 79N	22:19 298
2024 Apr 13 (Sat)	09:41 61	16:30 77N	23:19 300
2024 Apr 14 (Sun)	10:38 60	17:28 77N	
2024 Apr 15 (Mon)	11:36 62	18:22 79N	00:16 299
2024 Apr 16 (Tue)	12:31 64	19:13 82N	01:07 297
2024 Apr 17 (Wed)	13:24 68	20:00 86N	01:52 294
2024 Apr 18 (Thu)	14:14 73	20:43 91S	02:32 289
2024 Apr 19 (Fri)	15:02 78	21:24 85S	03:09 284
2024 Apr 20 (Sat)	15:48 84	22:03 79S	03:43 279
2024 Apr 21 (Sun)	16:33 90	22:42 73S	04:16 273
2024 Apr 22 (Mon)	17:19 96	23:22 68S	04:48 267
2024 Apr 23 (Tue)	18:06 102		05:21 261
2024 Apr 24 (Wed)	18:56 108	00:03 62S	05:57 255
2024 Apr 25 (Thu)	19:48 113	00:47 57S	06:35 250
2024 Apr 26 (Fri)	20:44 116	01:34 52S	07:18 246
2024 Apr 27 (Sat)	21:42 119	02:26 49S	08:06 242
2024 Apr 28 (Sun)	22:40 120	03:21 47S	08:59 241
2024 Apr 29 (Mon)	23:37 119	04:19 46S	09:57 241
2024 Apr 30 (Tue)		05:17 48S	10:58 242
2024 May 01 (Wed)	00:31 116	06:14 51S	11:59 246
2024 May 02 (Thu)	01:20 111	07:09 56S	13:00 251
2024 May 03 (Fri)	02:06 106	08:01 62S	13:59 258
2024 May 04 (Sat)	02:49 99	08:51 68S	14:57 265
2024 May 05 (Sun)	03:30 91	09:40 76S	15:54 272
2024 May 06 (Mon)	04:11 84	10:30 83S	16:53 280
2024 May 07 (Tue)	04:55 77	11:22 90S	17:53 287
2024 May 08 (Wed)	05:41 70	12:16 86N	18:56 292
2024 May 09 (Thu)	06:31 65	13:14 81N	19:59 297
2024 May 10 (Fri)	07:26 62	14:13 78N	21:02 299
2024 May 11 (Sat)	08:23 60	15:13 77N	22:02 300
2024 May 12 (Sun)	09:22 61	16:11 78N	22:57 298
2024 May 13 (Mon)	10:20 63	17:04 81N	23:46 295
2024 May 14 (Tue)	11:15 67	17:54 84N	
2024 May 15 (Wed)	12:07 71	18:39 89N	00:29 291
2024 May 16 (Thu)	12:56 76	19:21 87S	01:07 286
2024 May 17 (Fri)	13:43 82	20:01 81S	01:42 281
2024 May 18 (Sat)	14:28 88	20:40 76S	02:16 275
2024 May 19 (Sun)	15:14 94	21:19 70S	02:48 269
2024 May 20 (Mon)	16:00 100	21:59 64S	03:21 263
2024 May 21 (Tue)	16:49 106	22:42 59S	03:55 257
2024 May 22 (Wed)	17:41 111	23:29 54S	04:33 252
2024 May 23 (Thu)	18:36 115		05:14 247
2024 May 24 (Fri)	19:34 118	00:20 50S	06:01 243
2024 May 25 (Sat)	20:34 120	01:15 47S	06:54 241
2024 May 26 (Sun)	21:32 119	02:12 46S	07:51 240
2024 May 27 (Mon)	22:27 117	03:12 47S	08:52 242
2024 May 28 (Tue)	23:18 113	04:09 50S	09:54 245
2024 May 29 (Wed)		05:05 54S	10:54 250
2024 May 30 (Thu)	00:04 107	05:57 60S	11:53 256
2024 May 31 (Fri)	00:47 101	06:47 66S	12:50 263
2024 Jun 01 (Sat)	01:28 94	07:35 73S	13:46 270
2024 Jun 02 (Sun)	02:08 87	08:23 80S	14:42 277
2024 Jun 03 (Mon)	02:49 80	09:12 87S	15:40 284
2024 Jun 04 (Tue)	03:32 73	10:04 88N	16:40 290
2024 Jun 05 (Wed)	04:20 67	10:59 83N	17:42 295
2024 Jun 06 (Thu)	05:12 63	11:57 79N	18:45 298
2024 Jun 07 (Fri)	06:08 61	12:57 78N	19:47 299
2024 Jun 08 (Sat)	07:07 61	13:56 78N	20:44 299
2024 Jun 09 (Sun)	08:06 62	14:53 80N	21:37 296
2024 Jun 10 (Mon)	09:04 65	15:45 83N	22:23 293
2024 Jun 11 (Tue)	09:58 69	16:32 87N	23:03 288
2024 Jun 12 (Wed)	10:48 74	17:16 89S	23:40 283
2024 Jun 13 (Thu)	11:36 80	17:57 84S	
2024 Jun 14 (Fri)	12:22 86	18:36 78S	00:14 277
2024 Jun 15 (Sat)	13:08 92	19:15 72S	00:47 271
2024 Jun 16 (Sun)	13:53 98	19:55 66S	01:19 265
2024 Jun 17 (Mon)	14:41 104	20:36 61S	01:53 259

2024 Jun 18 (Tue)	15:31 109	21:21 56S	02:29 254
2024 Jun 19 (Wed)	16:25 114	22:10 51S	03:08 249
2024 Jun 20 (Thu)	17:23 117	23:04 48S	03:53 245
2024 Jun 21 (Fri)	18:22 119		04:44 242
2024 Jun 22 (Sat)	19:22 119	00:02 47S	05:41 240
2024 Jun 23 (Sun)	20:20 118	01:02 47S	06:42 241
2024 Jun 24 (Mon)	21:14 114	02:02 49S	07:45 244
2024 Jun 25 (Tue)	22:02 109	02:59 53S	08:47 248
2024 Jun 26 (Wed)	22:46 103	03:53 58S	09:48 254
2024 Jun 27 (Thu)	23:28 96	04:44 64S	10:46 261
2024 Jun 28 (Fri)		05:33 71S	11:42 268
2024 Jun 29 (Sat)	00:08 89	06:20 78S	12:37 275
2024 Jun 30 (Sun)	00:48 82	07:08 85S	13:33 282
2024 Jul 01 (Mon)	01:29 75	07:58 90N	14:31 288
2024 Jul 02 (Tue)	02:14 69	08:51 84N	15:31 293
2024 Jul 03 (Wed)	03:03 65	09:47 80N	16:33 297
2024 Jul 04 (Thu)	03:57 62	10:45 78N	17:34 299
2024 Jul 05 (Fri)	04:55 61	11:44 77N	18:33 299
2024 Jul 06 (Sat)	05:54 61	12:41 79N	19:27 298
2024 Jul 07 (Sun)	06:52 64	13:35 81N	20:15 294
2024 Jul 08 (Mon)	07:47 68	14:25 85N	20:58 290
2024 Jul 09 (Tue)	08:40 72	15:10 90N	21:37 285
2024 Jul 10 (Wed)	09:29 78	15:52 86S	22:12 279
2024 Jul 11 (Thu)	10:16 84	16:32 80S	22:45 273
2024 Jul 12 (Fri)	11:01 90	17:11 74S	23:18 267
2024 Jul 13 (Sat)	11:47 96	17:50 68S	23:50 261
2024 Jul 14 (Sun)	12:33 101	18:30 63S	
2024 Jul 15 (Mon)	13:22 107	19:13 57S	00:25 256
2024 Jul 16 (Tue)	14:13 112	20:00 53S	01:02 251
2024 Jul 17 (Wed)	15:09 116	20:51 49S	01:44 246
2024 Jul 18 (Thu)	16:07 119	21:47 47S	02:32 243
2024 Jul 19 (Fri)	17:08 120	22:47 46S	03:26 241
2024 Jul 20 (Sat)	18:07 119	23:47 48S	04:26 241
2024 Jul 21 (Sun)	19:03 116		05:29 242
2024 Jul 22 (Mon)	19:55 111	00:47 51S	06:34 246
2024 Jul 23 (Tue)	20:42 105	01:44 56S	07:37 252
2024 Jul 24 (Wed)	21:25 98	02:38 62S	08:37 258
2024 Jul 25 (Thu)	22:07 91	03:28 69S	09:35 266
2024 Jul 26 (Fri)	22:47 83	04:17 76S	10:32 273
2024 Jul 27 (Sat)	23:29 77	05:06 83S	11:29 280
2024 Jul 28 (Sun)		05:55 90S	12:26 287
2024 Jul 29 (Mon)	00:13 71	06:47 86N	13:25 292
2024 Jul 30 (Tue)	01:00 66	07:42 81N	14:26 296
2024 Jul 31 (Wed)	01:52 62	08:38 78N	15:27 299
2024 Aug 01 (Thu)	02:47 61	09:36 77N	16:25 300
2024 Aug 02 (Fri)	03:45 61	10:33 78N	17:20 298
2024 Aug 03 (Sat)	04:43 63	11:28 80N	18:10 296
2024 Aug 04 (Sun)	05:39 66	12:18 84N	18:55 292
2024 Aug 05 (Mon)	06:32 71	13:05 88N	19:35 287
2024 Aug 06 (Tue)	07:23 76	13:48 88S	20:11 281
2024 Aug 07 (Wed)	08:10 82	14:29 82S	20:44 275
2024 Aug 08 (Thu)	08:56 88	15:08 76S	21:17 269
2024 Aug 09 (Fri)	09:41 94	15:47 70S	21:49 264
2024 Aug 10 (Sat)	10:27 99	16:26 65S	22:23 258
2024 Aug 11 (Sun)	11:14 105	17:08 59S	22:58 252
2024 Aug 12 (Mon)	12:04 110	17:52 54S	23:38 248
2024 Aug 13 (Tue)	12:57 115	18:40 50S	
2024 Aug 14 (Wed)	13:53 118	19:33 48S	00:22 244
2024 Aug 15 (Thu)	14:51 120	20:30 46S	01:12 241
2024 Aug 16 (Fri)	15:51 119	21:30 47S	02:09 240
2024 Aug 17 (Sat)	16:48 117	22:30 49S	03:10 241
2024 Aug 18 (Sun)	17:42 114	23:29 53S	04:14 244
2024 Aug 19 (Mon)	18:32 108		05:18 249
2024 Aug 20 (Tue)	19:18 101	00:25 59S	06:21 255
2024 Aug 21 (Wed)	20:01 94	01:18 66S	07:22 262
2024 Aug 22 (Thu)	20:43 86	02:09 73S	08:21 270
2024 Aug 23 (Fri)	21:25 79	02:59 81S	09:20 278

2024 Aug 24 (Sat)	22:10	72	03:50	88S	10:19	285
2024 Aug 25 (Sun)	22:57	67	04:42	87N	11:19	291
2024 Aug 26 (Mon)	23:48	63	05:37	82N	12:20	295
2024 Aug 27 (Tue)			06:34	79N	13:21	299
2024 Aug 28 (Wed)	00:43	61	07:31	77N	14:21	300
2024 Aug 29 (Thu)	01:40	60	08:29	77N	15:17	299
2024 Aug 30 (Fri)	02:37	62	09:24	79N	16:08	297
2024 Aug 31 (Sat)	03:33	65	10:15	82N	16:53	293
2024 Sep 01 (Sun)	04:27	69	11:02	87N	17:34	289
2024 Sep 02 (Mon)	05:18	74	11:46	90S	18:11	283
2024 Sep 03 (Tue)	06:06	79	12:27	84S	18:45	277
2024 Sep 04 (Wed)	06:52	85	13:07	78S	19:18	272
2024 Sep 05 (Thu)	07:38	92	13:46	72S	19:50	266
2024 Sep 06 (Fri)	08:23	98	14:25	66S	20:23	260
2024 Sep 07 (Sat)	09:10	103	15:05	61S	20:57	254
2024 Sep 08 (Sun)	09:58	109	15:48	56S	21:35	249
2024 Sep 09 (Mon)	10:49	113	16:34	52S	22:17	245
2024 Sep 10 (Tue)	11:43	117	17:24	48S	23:03	242
2024 Sep 11 (Wed)	12:39	119	18:18	47S	23:56	240
2024 Sep 12 (Thu)	13:37	120	19:15	46S		
2024 Sep 13 (Fri)	14:34	119	20:13	48S	00:53	240
2024 Sep 14 (Sat)	15:28	116	21:11	51S	01:55	242
2024 Sep 15 (Sun)	16:19	111	22:08	56S	02:58	246
2024 Sep 16 (Mon)	17:06	105	23:02	62S	04:00	252
2024 Sep 17 (Tue)	17:51	98	23:54	69S	05:02	258
2024 Sep 18 (Wed)	18:34	90			06:02	266
2024 Sep 19 (Thu)	19:17	82	00:46	77S	07:02	274
2024 Sep 20 (Fri)	20:02	75	01:38	85S	08:03	282
2024 Sep 21 (Sat)	20:49	69	02:31	90N	09:05	288
2024 Sep 22 (Sun)	21:40	64	03:27	84N	10:08	294
2024 Sep 23 (Mon)	22:36	61	04:25	80N	11:12	298
2024 Sep 24 (Tue)	23:33	60	05:24	78N	12:14	300
2024 Sep 25 (Wed)			06:23	77N	13:12	300
2024 Sep 26 (Thu)	00:32	61	07:19	78N	14:05	298
2024 Sep 27 (Fri)	01:29	64	08:12	81N	14:53	295
2024 Sep 28 (Sat)	02:23	67	09:01	85N	15:34	290
2024 Sep 29 (Sun)	03:15	72	09:45	90N	16:12	285
2024 Sep 30 (Mon)	04:03	78	10:27	86S	16:47	279
2024 Oct 01 (Tue)	04:50	83	11:07	80S	17:20	274
2024 Oct 02 (Wed)	05:35	90	11:45	74S	17:52	267
2024 Oct 03 (Thu)	06:21	96	12:24	68S	18:24	262
2024 Oct 04 (Fri)	07:07	101	13:04	63S	18:58	256
2024 Oct 05 (Sat)	07:54	107	13:46	58S	19:35	251
2024 Oct 06 (Sun)	08:44	112	14:31	53S	20:15	246
2024 Oct 07 (Mon)	09:37	116	15:19	49S	20:59	243
2024 Oct 08 (Tue)	10:32	118	16:11	47S	21:49	241
2024 Oct 09 (Wed)	11:28	120	17:06	46S	22:44	240
2024 Oct 10 (Thu)	12:24	119	18:02	47S	23:42	241
2024 Oct 11 (Fri)	13:18	117	18:59	49S		
2024 Oct 12 (Sat)	14:08	113	19:54	53S	00:42	244
2024 Oct 13 (Sun)	14:55	108	20:47	59S	01:43	249
2024 Oct 14 (Mon)	15:40	101	21:39	66S	02:43	255
2024 Oct 15 (Tue)	16:22	94	22:30	73S	03:42	262
2024 Oct 16 (Wed)	17:05	86	23:21	81S	04:42	270
2024 Oct 17 (Thu)	17:49	79			05:42	278
2024 Oct 18 (Fri)	18:36	72	00:14	88S	06:44	285
2024 Oct 19 (Sat)	19:27	66	01:10	87N	07:48	291
2024 Oct 20 (Sun)	20:22	62	02:09	82N	08:54	296
2024 Oct 21 (Mon)	21:21	60	03:10	78N	09:59	299
2024 Oct 22 (Tue)	22:22	61	04:11	77N	11:02	300
2024 Oct 23 (Wed)	23:21	63	05:11	78N	11:58	299
2024 Oct 24 (Thu)			06:06	80N	12:49	296
2024 Oct 25 (Fri)	00:18	66	06:57	84N	13:33	292
2024 Oct 26 (Sat)	01:11	71	07:43	88N	14:13	287
2024 Oct 27 (Sun)	02:00	76	08:26	88S	14:48	281
2024 Oct 28 (Mon)	02:47	82	09:06	82S	15:22	275
2024 Oct 29 (Tue)	03:33	88	09:45	76S	15:54	269

2024 Oct 30 (Wed)	04:18 94	10:24 70S	16:26 264
2024 Oct 31 (Thu)	05:04 100	11:03 65S	16:59 258
2024 Nov 01 (Fri)	05:51 105	11:45 59S	17:35 252
2024 Nov 02 (Sat)	06:41 110	12:29 54S	18:14 248
2024 Nov 03 (Sun)	07:33 115	13:16 50S	18:58 244
2024 Nov 04 (Mon)	08:27 118	14:07 48S	19:46 241
2024 Nov 05 (Tue)	09:23 119	15:01 46S	20:39 240
2024 Nov 06 (Wed)	10:19 120	15:57 47S	21:36 241
2024 Nov 07 (Thu)	11:13 118	16:53 48S	22:34 243
2024 Nov 08 (Fri)	12:03 115	17:47 52S	23:33 247
2024 Nov 09 (Sat)	12:50 110	18:39 57S	
2024 Nov 10 (Sun)	13:33 104	19:29 63S	00:32 253
2024 Nov 11 (Mon)	14:15 97	20:18 70S	01:29 259
2024 Nov 12 (Tue)	14:56 90	21:07 77S	02:26 266
2024 Nov 13 (Wed)	15:38 83	21:58 84S	03:23 274
2024 Nov 14 (Thu)	16:22 75	22:51 90N	04:23 281
2024 Nov 15 (Fri)	17:11 69	23:48 84N	05:25 288
2024 Nov 16 (Sat)	18:04 64		06:30 294
2024 Nov 17 (Sun)	19:03 61	00:49 80N	07:37 298
2024 Nov 18 (Mon)	20:04 60	01:52 78N	08:43 300
2024 Nov 19 (Tue)	21:06 62	02:55 77N	09:44 299
2024 Nov 20 (Wed)	22:06 65	03:54 79N	10:39 297
2024 Nov 21 (Thu)	23:02 69	04:48 82N	11:27 293
2024 Nov 22 (Fri)	23:54 74	05:38 87N	12:10 289
2024 Nov 23 (Sat)		06:22 90S	12:47 283
2024 Nov 24 (Sun)	00:43 80	07:04 84S	13:22 277
2024 Nov 25 (Mon)	01:29 85	07:43 78S	13:54 271
2024 Nov 26 (Tue)	02:14 92	08:22 72S	14:26 266
2024 Nov 27 (Wed)	03:00 97	09:01 66S	14:59 260
2024 Nov 28 (Thu)	03:46 103	09:42 61S	15:34 254
2024 Nov 29 (Fri)	04:35 109	10:25 56S	16:12 249
2024 Nov 30 (Sat)	05:27 113	11:12 52S	16:55 245
2024 Dec 01 (Sun)	06:21 117	12:02 49S	17:42 242
2024 Dec 02 (Mon)	07:17 119	12:56 47S	18:34 241
2024 Dec 03 (Tue)	08:14 120	13:52 46S	19:31 241
2024 Dec 04 (Wed)	09:09 119	14:48 48S	20:29 243
2024 Dec 05 (Thu)	10:00 116	15:43 51S	21:28 246
2024 Dec 06 (Fri)	10:48 111	16:36 55S	22:27 251
2024 Dec 07 (Sat)	11:32 106	17:26 61S	23:23 257
2024 Dec 08 (Sun)	12:13 100	18:14 67S	
2024 Dec 09 (Mon)	12:53 93	19:01 74S	00:18 264
2024 Dec 10 (Tue)	13:32 85	19:49 82S	01:13 271
2024 Dec 11 (Wed)	14:14 78	20:39 88S	02:10 278
2024 Dec 12 (Thu)	14:59 72	21:33 87N	03:08 285
2024 Dec 13 (Fri)	15:49 66	22:30 82N	04:10 291
2024 Dec 14 (Sat)	16:44 63	23:32 79N	05:15 296
2024 Dec 15 (Sun)	17:44 61		06:21 299
2024 Dec 16 (Mon)	18:47 61	00:35 77N	07:25 300
2024 Dec 17 (Tue)	19:49 63	01:36 78N	08:24 298
2024 Dec 18 (Wed)	20:48 67	02:34 81N	09:17 295
2024 Dec 19 (Thu)	21:43 72	03:27 85N	10:02 291
2024 Dec 20 (Fri)	22:34 77	04:15 90N	10:43 285
2024 Dec 21 (Sat)	23:22 83	04:58 86S	11:19 280
2024 Dec 22 (Sun)		05:39 80S	11:53 274
2024 Dec 23 (Mon)	00:08 89	06:18 74S	12:25 268
2024 Dec 24 (Tue)	00:54 95	06:57 69S	12:58 262
2024 Dec 25 (Wed)	01:40 101	07:37 63S	13:32 256
2024 Dec 26 (Thu)	02:27 107	08:19 58S	14:08 251
2024 Dec 27 (Fri)	03:18 112	09:04 53S	14:49 247
2024 Dec 28 (Sat)	04:11 115	09:53 50S	15:34 243
2024 Dec 29 (Sun)	05:07 118	10:46 47S	16:25 241
2024 Dec 30 (Mon)	06:04 120	11:43 46S	17:21 240
2024 Dec 31 (Tue)	07:01 119	12:40 47S	18:20 242