

Sun

VTET

Location: E101°05'00.0", N14°06'00.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2024 Jan 01 (Mon)	05:50	06:40 114		12:19 54S	17:58 246		18:48
2024 Jan 02 (Tue)	05:50	06:40 114		12:19 54S	17:59 247		18:49
2024 Jan 03 (Wed)	05:51	06:40 113		12:20 54S	17:59 247		18:49
2024 Jan 04 (Thu)	05:51	06:41 113		12:20 54S	18:00 247		18:50
2024 Jan 05 (Fri)	05:51	06:41 113		12:21 54S	18:01 247		18:50
2024 Jan 06 (Sat)	05:52	06:41 113		12:21 54S	18:01 247		18:51
2024 Jan 07 (Sun)	05:52	06:42 113		12:22 54S	18:02 247		18:51
2024 Jan 08 (Mon)	05:52	06:42 113		12:22 54S	18:02 247		18:52
2024 Jan 09 (Tue)	05:53	06:42 113		12:22 54S	18:03 247		18:52
2024 Jan 10 (Wed)	05:53	06:42 113		12:23 55S	18:03 248		18:53
2024 Jan 11 (Thu)	05:53	06:43 112		12:23 55S	18:04 248		18:53
2024 Jan 12 (Fri)	05:54	06:43 112		12:24 55S	18:05 248		18:54
2024 Jan 13 (Sat)	05:54	06:43 112		12:24 55S	18:05 248		18:54
2024 Jan 14 (Sun)	05:54	06:43 112		12:24 55S	18:06 248		18:55
2024 Jan 15 (Mon)	05:54	06:43 112		12:25 55S	18:06 248		18:55
2024 Jan 16 (Tue)	05:55	06:44 112		12:25 56S	18:07 249		18:56
2024 Jan 17 (Wed)	05:55	06:44 111		12:26 56S	18:07 249		18:56
2024 Jan 18 (Thu)	05:55	06:44 111		12:26 56S	18:08 249		18:57
2024 Jan 19 (Fri)	05:55	06:44 111		12:26 56S	18:08 249		18:57
2024 Jan 20 (Sat)	05:55	06:44 111		12:26 56S	18:09 249		18:58
2024 Jan 21 (Sun)	05:55	06:44 110		12:27 57S	18:10 250		18:58
2024 Jan 22 (Mon)	05:55	06:44 110		12:27 57S	18:10 250		18:59
2024 Jan 23 (Tue)	05:56	06:44 110		12:27 57S	18:11 250		18:59
2024 Jan 24 (Wed)	05:56	06:44 110		12:28 57S	18:11 250		19:00
2024 Jan 25 (Thu)	05:56	06:44 110		12:28 58S	18:12 251		19:00
2024 Jan 26 (Fri)	05:56	06:44 109		12:28 58S	18:12 251		19:01
2024 Jan 27 (Sat)	05:56	06:44 109		12:28 58S	18:13 251		19:01
2024 Jan 28 (Sun)	05:56	06:44 109		12:28 58S	18:13 251		19:01
2024 Jan 29 (Mon)	05:56	06:44 108		12:29 59S	18:14 252		19:02
2024 Jan 30 (Tue)	05:56	06:44 108		12:29 59S	18:14 252		19:02
2024 Jan 31 (Wed)	05:56	06:44 108		12:29 59S	18:14 252		19:03
2024 Feb 01 (Thu)	05:55	06:43 108		12:29 59S	18:15 252		19:03
2024 Feb 02 (Fri)	05:55	06:43 107		12:29 60S	18:15 253		19:03
2024 Feb 03 (Sat)	05:55	06:43 107		12:29 60S	18:16 253		19:04
2024 Feb 04 (Sun)	05:55	06:43 107		12:29 60S	18:16 253		19:04
2024 Feb 05 (Mon)	05:55	06:43 106		12:30 61S	18:17 254		19:04
2024 Feb 06 (Tue)	05:55	06:42 106		12:30 61S	18:17 254		19:05
2024 Feb 07 (Wed)	05:55	06:42 106		12:30 61S	18:17 254		19:05
2024 Feb 08 (Thu)	05:54	06:42 105		12:30 61S	18:18 255		19:05
2024 Feb 09 (Fri)	05:54	06:42 105		12:30 62S	18:18 255		19:06
2024 Feb 10 (Sat)	05:54	06:41 105		12:30 62S	18:19 255		19:06
2024 Feb 11 (Sun)	05:54	06:41 105		12:30 62S	18:19 256		19:06
2024 Feb 12 (Mon)	05:53	06:41 104		12:30 63S	18:19 256		19:06
2024 Feb 13 (Tue)	05:53	06:40 104		12:30 63S	18:20 256		19:07
2024 Feb 14 (Wed)	05:53	06:40 103		12:30 63S	18:20 257		19:07
2024 Feb 15 (Thu)	05:52	06:40 103		12:30 64S	18:20 257		19:07
2024 Feb 16 (Fri)	05:52	06:39 103		12:30 64S	18:21 257		19:08
2024 Feb 17 (Sat)	05:52	06:39 102		12:30 64S	18:21 258		19:08
2024 Feb 18 (Sun)	05:51	06:38 102		12:30 65S	18:21 258		19:08
2024 Feb 19 (Mon)	05:51	06:38 102		12:30 65S	18:21 258		19:08
2024 Feb 20 (Tue)	05:51	06:37 101		12:29 66S	18:22 259		19:08
2024 Feb 21 (Wed)	05:50	06:37 101		12:29 66S	18:22 259		19:09
2024 Feb 22 (Thu)	05:50	06:36 101		12:29 66S	18:22 260		19:09
2024 Feb 23 (Fri)	05:49	06:36 100		12:29 67S	18:22 260		19:09
2024 Feb 24 (Sat)	05:49	06:35 100		12:29 67S	18:23 260		19:09

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

2024	May	02	(Thu)	05:05	05:53	74	12:13	89N	18:32	286	19:21
2024	May	03	(Fri)	05:04	05:53	74	12:13	89N	18:32	287	19:21
2024	May	04	(Sat)	05:04	05:52	73	12:12	89N	18:33	287	19:21
2024	May	05	(Sun)	05:03	05:52	73	12:12	88N	18:33	287	19:22
2024	May	06	(Mon)	05:03	05:52	73	12:12	88N	18:33	288	19:22
2024	May	07	(Tue)	05:02	05:51	72	12:12	88N	18:33	288	19:22
2024	May	08	(Wed)	05:02	05:51	72	12:12	88N	18:34	288	19:23
2024	May	09	(Thu)	05:01	05:50	72	12:12	87N	18:34	288	19:23
2024	May	10	(Fri)	05:01	05:50	72	12:12	87N	18:34	289	19:23
2024	May	11	(Sat)	05:01	05:50	71	12:12	87N	18:34	289	19:24
2024	May	12	(Sun)	05:00	05:49	71	12:12	87N	18:35	289	19:24
2024	May	13	(Mon)	05:00	05:49	71	12:12	86N	18:35	289	19:24
2024	May	14	(Tue)	05:00	05:49	70	12:12	86N	18:35	290	19:25
2024	May	15	(Wed)	04:59	05:49	70	12:12	86N	18:36	290	19:25
2024	May	16	(Thu)	04:59	05:48	70	12:12	86N	18:36	290	19:25
2024	May	17	(Fri)	04:59	05:48	70	12:12	85N	18:36	290	19:26
2024	May	18	(Sat)	04:58	05:48	70	12:12	85N	18:36	291	19:26
2024	May	19	(Sun)	04:58	05:48	69	12:12	85N	18:37	291	19:27
2024	May	20	(Mon)	04:58	05:48	69	12:12	85N	18:37	291	19:27
2024	May	21	(Tue)	04:57	05:47	69	12:12	85N	18:37	291	19:27
2024	May	22	(Wed)	04:57	05:47	69	12:12	84N	18:38	291	19:28
2024	May	23	(Thu)	04:57	05:47	68	12:12	84N	18:38	292	19:28
2024	May	24	(Fri)	04:57	05:47	68	12:13	84N	18:38	292	19:29
2024	May	25	(Sat)	04:57	05:47	68	12:13	84N	18:39	292	19:29
2024	May	26	(Sun)	04:56	05:47	68	12:13	84N	18:39	292	19:29
2024	May	27	(Mon)	04:56	05:47	68	12:13	83N	18:39	292	19:30
2024	May	28	(Tue)	04:56	05:47	68	12:13	83N	18:40	293	19:30
2024	May	29	(Wed)	04:56	05:47	67	12:13	83N	18:40	293	19:30
2024	May	30	(Thu)	04:56	05:46	67	12:13	83N	18:40	293	19:31
2024	May	31	(Fri)	04:56	05:46	67	12:13	83N	18:40	293	19:31
2024	Jun	01	(Sat)	04:56	05:46	67	12:14	83N	18:41	293	19:32
2024	Jun	02	(Sun)	04:56	05:46	67	12:14	83N	18:41	293	19:32
2024	Jun	03	(Mon)	04:56	05:46	67	12:14	82N	18:41	293	19:32
2024	Jun	04	(Tue)	04:56	05:46	67	12:14	82N	18:42	293	19:33
2024	Jun	05	(Wed)	04:56	05:47	66	12:14	82N	18:42	294	19:33
2024	Jun	06	(Thu)	04:56	05:47	66	12:14	82N	18:42	294	19:33
2024	Jun	07	(Fri)	04:56	05:47	66	12:15	82N	18:43	294	19:34
2024	Jun	08	(Sat)	04:56	05:47	66	12:15	82N	18:43	294	19:34
2024	Jun	09	(Sun)	04:56	05:47	66	12:15	82N	18:43	294	19:34
2024	Jun	10	(Mon)	04:56	05:47	66	12:15	82N	18:44	294	19:35
2024	Jun	11	(Tue)	04:56	05:47	66	12:15	82N	18:44	294	19:35
2024	Jun	12	(Wed)	04:56	05:47	66	12:16	82N	18:44	294	19:35
2024	Jun	13	(Thu)	04:56	05:47	66	12:16	82N	18:44	294	19:36
2024	Jun	14	(Fri)	04:56	05:47	66	12:16	82N	18:45	294	19:36
2024	Jun	15	(Sat)	04:56	05:48	66	12:16	81N	18:45	294	19:36
2024	Jun	16	(Sun)	04:56	05:48	66	12:16	81N	18:45	294	19:37
2024	Jun	17	(Mon)	04:57	05:48	66	12:17	81N	18:45	294	19:37
2024	Jun	18	(Tue)	04:57	05:48	66	12:17	81N	18:46	294	19:37
2024	Jun	19	(Wed)	04:57	05:48	66	12:17	81N	18:46	294	19:37
2024	Jun	20	(Thu)	04:57	05:49	66	12:17	81N	18:46	294	19:38
2024	Jun	21	(Fri)	04:57	05:49	66	12:18	81N	18:46	294	19:38
2024	Jun	22	(Sat)	04:58	05:49	66	12:18	81N	18:47	294	19:38
2024	Jun	23	(Sun)	04:58	05:49	66	12:18	81N	18:47	294	19:38
2024	Jun	24	(Mon)	04:58	05:49	66	12:18	81N	18:47	294	19:38
2024	Jun	25	(Tue)	04:58	05:50	66	12:18	81N	18:47	294	19:38
2024	Jun	26	(Wed)	04:59	05:50	66	12:19	81N	18:47	294	19:39
2024	Jun	27	(Thu)	04:59	05:50	66	12:19	82N	18:47	294	19:39
2024	Jun	28	(Fri)	04:59	05:50	66	12:19	82N	18:48	294	19:39
2024	Jun	29	(Sat)	04:59	05:51	66	12:19	82N	18:48	294	19:39
2024	Jun	30	(Sun)	05:00	05:51	66	12:19	82N	18:48	294	19:39
2024	Jul	01	(Mon)	05:00	05:51	66	12:20	82N	18:48	294	19:39
2024	Jul	02	(Tue)	05:00	05:52	66	12:20	82N	18:48	294	19:39
2024	Jul	03	(Wed)	05:01	05:52	66	12:20	82N	18:48	294	19:39
2024	Jul	04	(Thu)	05:01	05:52	66	12:20	82N	18:48	294	19:39
2024	Jul	05	(Fri)	05:01	05:52	66	12:20	82N	18:48	294	19:39
2024	Jul	06	(Sat)	05:02	05:53	66	12:21	82N	18:48	294	19:39
2024	Jul	07	(Sun)	05:02	05:53	66	12:21	82N	18:48	293	19:39

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

2024	Sep	13	(Fri)	05:18	06:04	86	12:12	80S	18:18	274	19:05
2024	Sep	14	(Sat)	05:18	06:04	86	12:11	80S	18:18	273	19:04
2024	Sep	15	(Sun)	05:18	06:05	87	12:11	79S	18:17	273	19:03
2024	Sep	16	(Mon)	05:18	06:05	87	12:10	79S	18:16	273	19:02
2024	Sep	17	(Tue)	05:18	06:05	88	12:10	79S	18:15	272	19:02
2024	Sep	18	(Wed)	05:18	06:05	88	12:10	78S	18:15	272	19:01
2024	Sep	19	(Thu)	05:19	06:05	88	12:09	78S	18:14	271	19:00
2024	Sep	20	(Fri)	05:19	06:05	89	12:09	78S	18:13	271	18:59
2024	Sep	21	(Sat)	05:19	06:05	89	12:09	77S	18:12	271	18:58
2024	Sep	22	(Sun)	05:19	06:05	90	12:08	77S	18:12	270	18:58
2024	Sep	23	(Mon)	05:19	06:05	90	12:08	76S	18:11	270	18:57
2024	Sep	24	(Tue)	05:19	06:05	90	12:08	76S	18:10	269	18:56
2024	Sep	25	(Wed)	05:19	06:05	91	12:07	76S	18:09	269	18:55
2024	Sep	26	(Thu)	05:19	06:05	91	12:07	75S	18:09	269	18:55
2024	Sep	27	(Fri)	05:19	06:05	92	12:07	75S	18:08	268	18:54
2024	Sep	28	(Sat)	05:19	06:05	92	12:06	74S	18:07	268	18:53
2024	Sep	29	(Sun)	05:19	06:05	92	12:06	74S	18:07	267	18:53
2024	Sep	30	(Mon)	05:19	06:05	93	12:06	74S	18:06	267	18:52
2024	Oct	01	(Tue)	05:19	06:05	93	12:05	73S	18:05	267	18:51
2024	Oct	02	(Wed)	05:19	06:05	94	12:05	73S	18:04	266	18:50
2024	Oct	03	(Thu)	05:19	06:05	94	12:05	72S	18:04	266	18:50
2024	Oct	04	(Fri)	05:19	06:05	94	12:04	72S	18:03	265	18:49
2024	Oct	05	(Sat)	05:19	06:06	95	12:04	72S	18:02	265	18:48
2024	Oct	06	(Sun)	05:19	06:06	95	12:04	71S	18:02	265	18:48
2024	Oct	07	(Mon)	05:20	06:06	96	12:03	71S	18:01	264	18:47
2024	Oct	08	(Tue)	05:20	06:06	96	12:03	71S	18:00	264	18:47
2024	Oct	09	(Wed)	05:20	06:06	96	12:03	70S	18:00	263	18:46
2024	Oct	10	(Thu)	05:20	06:06	97	12:03	70S	17:59	263	18:45
2024	Oct	11	(Fri)	05:20	06:06	97	12:02	69S	17:58	263	18:45
2024	Oct	12	(Sat)	05:20	06:06	98	12:02	69S	17:58	262	18:44
2024	Oct	13	(Sun)	05:20	06:06	98	12:02	69S	17:57	262	18:43
2024	Oct	14	(Mon)	05:20	06:07	98	12:02	68S	17:57	262	18:43
2024	Oct	15	(Tue)	05:20	06:07	99	12:01	68S	17:56	261	18:42
2024	Oct	16	(Wed)	05:20	06:07	99	12:01	68S	17:55	261	18:42
2024	Oct	17	(Thu)	05:20	06:07	99	12:01	67S	17:55	260	18:41
2024	Oct	18	(Fri)	05:21	06:07	100	12:01	67S	17:54	260	18:41
2024	Oct	19	(Sat)	05:21	06:07	100	12:01	66S	17:54	260	18:40
2024	Oct	20	(Sun)	05:21	06:08	101	12:00	66S	17:53	259	18:40
2024	Oct	21	(Mon)	05:21	06:08	101	12:00	66S	17:53	259	18:39
2024	Oct	22	(Tue)	05:21	06:08	101	12:00	65S	17:52	259	18:39
2024	Oct	23	(Wed)	05:21	06:08	102	12:00	65S	17:52	258	18:38
2024	Oct	24	(Thu)	05:22	06:08	102	12:00	65S	17:51	258	18:38
2024	Oct	25	(Fri)	05:22	06:09	102	12:00	64S	17:51	257	18:38
2024	Oct	26	(Sat)	05:22	06:09	103	12:00	64S	17:50	257	18:37
2024	Oct	27	(Sun)	05:22	06:09	103	12:00	64S	17:50	257	18:37
2024	Oct	28	(Mon)	05:22	06:09	103	11:59	63S	17:49	256	18:36
2024	Oct	29	(Tue)	05:23	06:10	104	11:59	63S	17:49	256	18:36
2024	Oct	30	(Wed)	05:23	06:10	104	11:59	63S	17:48	256	18:36
2024	Oct	31	(Thu)	05:23	06:10	104	11:59	62S	17:48	255	18:35
2024	Nov	01	(Fri)	05:23	06:11	105	11:59	62S	17:48	255	18:35
2024	Nov	02	(Sat)	05:23	06:11	105	11:59	62S	17:47	255	18:35
2024	Nov	03	(Sun)	05:24	06:11	105	11:59	61S	17:47	254	18:35
2024	Nov	04	(Mon)	05:24	06:12	106	11:59	61S	17:47	254	18:34
2024	Nov	05	(Tue)	05:24	06:12	106	11:59	61S	17:46	254	18:34
2024	Nov	06	(Wed)	05:25	06:12	106	11:59	60S	17:46	254	18:34
2024	Nov	07	(Thu)	05:25	06:13	107	11:59	60S	17:46	253	18:34
2024	Nov	08	(Fri)	05:25	06:13	107	11:59	60S	17:46	253	18:34
2024	Nov	09	(Sat)	05:26	06:13	107	12:00	60S	17:45	253	18:33
2024	Nov	10	(Sun)	05:26	06:14	108	12:00	59S	17:45	252	18:33
2024	Nov	11	(Mon)	05:26	06:14	108	12:00	59S	17:45	252	18:33
2024	Nov	12	(Tue)	05:27	06:15	108	12:00	59S	17:45	252	18:33
2024	Nov	13	(Wed)	05:27	06:15	108	12:00	59S	17:45	251	18:33
2024	Nov	14	(Thu)	05:27	06:15	109	12:00	58S	17:45	251	18:33
2024	Nov	15	(Fri)	05:28	06:16	109	12:00	58S	17:45	251	18:33
2024	Nov	16	(Sat)	05:28	06:16	109	12:00	58S	17:44	251	18:33
2024	Nov	17	(Sun)	05:28	06:17	109	12:01	58S	17:44	250	18:33
2024	Nov	18	(Mon)	05:29	06:17	110	12:01	57S	17:44	250	18:33

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

Sun

VTET

Location: E101°05'00.0", N14°06'00.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit h m °	Alt. °	Set h m °	Az. °	End Civil Twilight h m			
2024	Jan	01	(Mon)	06:16	06:40	114	12:19	54S	17:58	246	18:21
2024	Jan	02	(Tue)	06:17	06:40	114	12:19	54S	17:59	247	18:22
2024	Jan	03	(Wed)	06:17	06:40	113	12:20	54S	17:59	247	18:22
2024	Jan	04	(Thu)	06:18	06:41	113	12:20	54S	18:00	247	18:23
2024	Jan	05	(Fri)	06:18	06:41	113	12:21	54S	18:01	247	18:24
2024	Jan	06	(Sat)	06:18	06:41	113	12:21	54S	18:01	247	18:24
2024	Jan	07	(Sun)	06:19	06:42	113	12:22	54S	18:02	247	18:25
2024	Jan	08	(Mon)	06:19	06:42	113	12:22	54S	18:02	247	18:25
2024	Jan	09	(Tue)	06:19	06:42	113	12:22	54S	18:03	247	18:26
2024	Jan	10	(Wed)	06:19	06:42	113	12:23	55S	18:03	248	18:26
2024	Jan	11	(Thu)	06:20	06:43	112	12:23	55S	18:04	248	18:27

2024	Jan	12	(Fri)	06:20	06:43	112	12:24	55S	18:05	248	18:27
2024	Jan	13	(Sat)	06:20	06:43	112	12:24	55S	18:05	248	18:28
2024	Jan	14	(Sun)	06:20	06:43	112	12:24	55S	18:06	248	18:29
2024	Jan	15	(Mon)	06:21	06:43	112	12:25	55S	18:06	248	18:29
2024	Jan	16	(Tue)	06:21	06:44	112	12:25	56S	18:07	249	18:30
2024	Jan	17	(Wed)	06:21	06:44	111	12:26	56S	18:07	249	18:30
2024	Jan	18	(Thu)	06:21	06:44	111	12:26	56S	18:08	249	18:31
2024	Jan	19	(Fri)	06:21	06:44	111	12:26	56S	18:08	249	18:31
2024	Jan	20	(Sat)	06:21	06:44	111	12:26	56S	18:09	249	18:32
2024	Jan	21	(Sun)	06:21	06:44	110	12:27	57S	18:10	250	18:32
2024	Jan	22	(Mon)	06:21	06:44	110	12:27	57S	18:10	250	18:33
2024	Jan	23	(Tue)	06:22	06:44	110	12:27	57S	18:11	250	18:33
2024	Jan	24	(Wed)	06:22	06:44	110	12:28	57S	18:11	250	18:34
2024	Jan	25	(Thu)	06:22	06:44	110	12:28	58S	18:12	251	18:34
2024	Jan	26	(Fri)	06:22	06:44	109	12:28	58S	18:12	251	18:35
2024	Jan	27	(Sat)	06:22	06:44	109	12:28	58S	18:13	251	18:35
2024	Jan	28	(Sun)	06:22	06:44	109	12:28	58S	18:13	251	18:35
2024	Jan	29	(Mon)	06:21	06:44	108	12:29	59S	18:14	252	18:36
2024	Jan	30	(Tue)	06:21	06:44	108	12:29	59S	18:14	252	18:36
2024	Jan	31	(Wed)	06:21	06:44	108	12:29	59S	18:14	252	18:37
2024	Feb	01	(Thu)	06:21	06:43	108	12:29	59S	18:15	252	18:37
2024	Feb	02	(Fri)	06:21	06:43	107	12:29	60S	18:15	253	18:38
2024	Feb	03	(Sat)	06:21	06:43	107	12:29	60S	18:16	253	18:38
2024	Feb	04	(Sun)	06:21	06:43	107	12:29	60S	18:16	253	18:38
2024	Feb	05	(Mon)	06:21	06:43	106	12:30	61S	18:17	254	18:39
2024	Feb	06	(Tue)	06:20	06:42	106	12:30	61S	18:17	254	18:39
2024	Feb	07	(Wed)	06:20	06:42	106	12:30	61S	18:17	254	18:40
2024	Feb	08	(Thu)	06:20	06:42	105	12:30	61S	18:18	255	18:40
2024	Feb	09	(Fri)	06:20	06:42	105	12:30	62S	18:18	255	18:40
2024	Feb	10	(Sat)	06:19	06:41	105	12:30	62S	18:19	255	18:41
2024	Feb	11	(Sun)	06:19	06:41	105	12:30	62S	18:19	256	18:41
2024	Feb	12	(Mon)	06:19	06:41	104	12:30	63S	18:19	256	18:41
2024	Feb	13	(Tue)	06:18	06:40	104	12:30	63S	18:20	256	18:41
2024	Feb	14	(Wed)	06:18	06:40	103	12:30	63S	18:20	257	18:42
2024	Feb	15	(Thu)	06:18	06:40	103	12:30	64S	18:20	257	18:42
2024	Feb	16	(Fri)	06:17	06:39	103	12:30	64S	18:21	257	18:42
2024	Feb	17	(Sat)	06:17	06:39	102	12:30	64S	18:21	258	18:43
2024	Feb	18	(Sun)	06:17	06:38	102	12:30	65S	18:21	258	18:43
2024	Feb	19	(Mon)	06:16	06:38	102	12:30	65S	18:21	258	18:43
2024	Feb	20	(Tue)	06:16	06:37	101	12:29	66S	18:22	259	18:43
2024	Feb	21	(Wed)	06:15	06:37	101	12:29	66S	18:22	259	18:44
2024	Feb	22	(Thu)	06:15	06:36	101	12:29	66S	18:22	260	18:44
2024	Feb	23	(Fri)	06:14	06:36	100	12:29	67S	18:22	260	18:44
2024	Feb	24	(Sat)	06:14	06:35	100	12:29	67S	18:23	260	18:44
2024	Feb	25	(Sun)	06:13	06:35	99	12:29	67S	18:23	261	18:44
2024	Feb	26	(Mon)	06:13	06:34	99	12:29	68S	18:23	261	18:45
2024	Feb	27	(Tue)	06:12	06:34	99	12:28	68S	18:23	262	18:45
2024	Feb	28	(Wed)	06:12	06:33	98	12:28	68S	18:24	262	18:45
2024	Feb	29	(Thu)	06:11	06:33	98	12:28	69S	18:24	262	18:45
2024	Mar	01	(Fri)	06:11	06:32	98	12:28	69S	18:24	263	18:45
2024	Mar	02	(Sat)	06:10	06:31	97	12:28	70S	18:24	263	18:46
2024	Mar	03	(Sun)	06:09	06:31	97	12:28	70S	18:24	263	18:46
2024	Mar	04	(Mon)	06:09	06:30	96	12:27	70S	18:24	264	18:46
2024	Mar	05	(Tue)	06:08	06:30	96	12:27	71S	18:25	264	18:46
2024	Mar	06	(Wed)	06:08	06:29	96	12:27	71S	18:25	265	18:46
2024	Mar	07	(Thu)	06:07	06:28	95	12:27	72S	18:25	265	18:46
2024	Mar	08	(Fri)	06:06	06:28	95	12:26	72S	18:25	265	18:46
2024	Mar	09	(Sat)	06:06	06:27	94	12:26	72S	18:25	266	18:47
2024	Mar	10	(Sun)	06:05	06:27	94	12:26	73S	18:25	266	18:47
2024	Mar	11	(Mon)	06:05	06:26	94	12:26	73S	18:26	267	18:47
2024	Mar	12	(Tue)	06:04	06:25	93	12:25	73S	18:26	267	18:47
2024	Mar	13	(Wed)	06:03	06:25	93	12:25	74S	18:26	267	18:47
2024	Mar	14	(Thu)	06:03	06:24	92	12:25	74S	18:26	268	18:47
2024	Mar	15	(Fri)	06:02	06:23	92	12:25	75S	18:26	268	18:47
2024	Mar	16	(Sat)	06:01	06:23	91	12:24	75S	18:26	269	18:47
2024	Mar	17	(Sun)	06:01	06:22	91	12:24	75S	18:26	269	18:48
2024	Mar	18	(Mon)	06:00	06:21	91	12:24	76S	18:26	270	18:48

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

2024	May	25	(Sat)	05:24	05:47	68	12:13	84N	18:39	292	19:02
2024	May	26	(Sun)	05:24	05:47	68	12:13	84N	18:39	292	19:02
2024	May	27	(Mon)	05:23	05:47	68	12:13	83N	18:39	292	19:02
2024	May	28	(Tue)	05:23	05:47	68	12:13	83N	18:40	293	19:03
2024	May	29	(Wed)	05:23	05:47	67	12:13	83N	18:40	293	19:03
2024	May	30	(Thu)	05:23	05:46	67	12:13	83N	18:40	293	19:03
2024	May	31	(Fri)	05:23	05:46	67	12:13	83N	18:40	293	19:04
2024	Jun	01	(Sat)	05:23	05:46	67	12:14	83N	18:41	293	19:04
2024	Jun	02	(Sun)	05:23	05:46	67	12:14	83N	18:41	293	19:04
2024	Jun	03	(Mon)	05:23	05:46	67	12:14	82N	18:41	293	19:05
2024	Jun	04	(Tue)	05:23	05:46	67	12:14	82N	18:42	293	19:05
2024	Jun	05	(Wed)	05:23	05:47	66	12:14	82N	18:42	294	19:05
2024	Jun	06	(Thu)	05:23	05:47	66	12:14	82N	18:42	294	19:06
2024	Jun	07	(Fri)	05:23	05:47	66	12:15	82N	18:43	294	19:06
2024	Jun	08	(Sat)	05:23	05:47	66	12:15	82N	18:43	294	19:06
2024	Jun	09	(Sun)	05:23	05:47	66	12:15	82N	18:43	294	19:07
2024	Jun	10	(Mon)	05:23	05:47	66	12:15	82N	18:44	294	19:07
2024	Jun	11	(Tue)	05:23	05:47	66	12:15	82N	18:44	294	19:07
2024	Jun	12	(Wed)	05:24	05:47	66	12:16	82N	18:44	294	19:08
2024	Jun	13	(Thu)	05:24	05:47	66	12:16	82N	18:44	294	19:08
2024	Jun	14	(Fri)	05:24	05:47	66	12:16	82N	18:45	294	19:08
2024	Jun	15	(Sat)	05:24	05:48	66	12:16	81N	18:45	294	19:08
2024	Jun	16	(Sun)	05:24	05:48	66	12:16	81N	18:45	294	19:09
2024	Jun	17	(Mon)	05:24	05:48	66	12:17	81N	18:45	294	19:09
2024	Jun	18	(Tue)	05:25	05:48	66	12:17	81N	18:46	294	19:09
2024	Jun	19	(Wed)	05:25	05:48	66	12:17	81N	18:46	294	19:09
2024	Jun	20	(Thu)	05:25	05:49	66	12:17	81N	18:46	294	19:10
2024	Jun	21	(Fri)	05:25	05:49	66	12:18	81N	18:46	294	19:10
2024	Jun	22	(Sat)	05:25	05:49	66	12:18	81N	18:47	294	19:10
2024	Jun	23	(Sun)	05:26	05:49	66	12:18	81N	18:47	294	19:10
2024	Jun	24	(Mon)	05:26	05:49	66	12:18	81N	18:47	294	19:10
2024	Jun	25	(Tue)	05:26	05:50	66	12:18	81N	18:47	294	19:11
2024	Jun	26	(Wed)	05:26	05:50	66	12:19	81N	18:47	294	19:11
2024	Jun	27	(Thu)	05:27	05:50	66	12:19	82N	18:47	294	19:11
2024	Jun	28	(Fri)	05:27	05:50	66	12:19	82N	18:48	294	19:11
2024	Jun	29	(Sat)	05:27	05:51	66	12:19	82N	18:48	294	19:11
2024	Jun	30	(Sun)	05:27	05:51	66	12:19	82N	18:48	294	19:11
2024	Jul	01	(Mon)	05:28	05:51	66	12:20	82N	18:48	294	19:11
2024	Jul	02	(Tue)	05:28	05:52	66	12:20	82N	18:48	294	19:11
2024	Jul	03	(Wed)	05:28	05:52	66	12:20	82N	18:48	294	19:12
2024	Jul	04	(Thu)	05:29	05:52	66	12:20	82N	18:48	294	19:12
2024	Jul	05	(Fri)	05:29	05:52	66	12:20	82N	18:48	294	19:12
2024	Jul	06	(Sat)	05:29	05:53	66	12:21	82N	18:48	294	19:12
2024	Jul	07	(Sun)	05:30	05:53	66	12:21	82N	18:48	293	19:12
2024	Jul	08	(Mon)	05:30	05:53	67	12:21	82N	18:48	293	19:12
2024	Jul	09	(Tue)	05:30	05:54	67	12:21	83N	18:48	293	19:12
2024	Jul	10	(Wed)	05:31	05:54	67	12:21	83N	18:48	293	19:12
2024	Jul	11	(Thu)	05:31	05:54	67	12:21	83N	18:48	293	19:12
2024	Jul	12	(Fri)	05:31	05:54	67	12:21	83N	18:48	293	19:11
2024	Jul	13	(Sat)	05:31	05:55	67	12:22	83N	18:48	293	19:11
2024	Jul	14	(Sun)	05:32	05:55	67	12:22	83N	18:48	292	19:11
2024	Jul	15	(Mon)	05:32	05:55	68	12:22	83N	18:48	292	19:11
2024	Jul	16	(Tue)	05:32	05:56	68	12:22	84N	18:48	292	19:11
2024	Jul	17	(Wed)	05:33	05:56	68	12:22	84N	18:48	292	19:11
2024	Jul	18	(Thu)	05:33	05:56	68	12:22	84N	18:48	292	19:11
2024	Jul	19	(Fri)	05:33	05:56	68	12:22	84N	18:47	292	19:11
2024	Jul	20	(Sat)	05:34	05:57	68	12:22	84N	18:47	291	19:10
2024	Jul	21	(Sun)	05:34	05:57	69	12:22	84N	18:47	291	19:10
2024	Jul	22	(Mon)	05:34	05:57	69	12:22	85N	18:47	291	19:10
2024	Jul	23	(Tue)	05:35	05:58	69	12:22	85N	18:47	291	19:10
2024	Jul	24	(Wed)	05:35	05:58	69	12:22	85N	18:46	291	19:09
2024	Jul	25	(Thu)	05:35	05:58	70	12:22	85N	18:46	290	19:09
2024	Jul	26	(Fri)	05:35	05:58	70	12:22	85N	18:46	290	19:09
2024	Jul	27	(Sat)	05:36	05:59	70	12:22	86N	18:46	290	19:08
2024	Jul	28	(Sun)	05:36	05:59	70	12:22	86N	18:45	290	19:08
2024	Jul	29	(Mon)	05:36	05:59	70	12:22	86N	18:45	289	19:08
2024	Jul	30	(Tue)	05:37	05:59	71	12:22	86N	18:45	289	19:07

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

2024	Oct	06	(Sun)	05:44	06:06	95	12:04	71S	18:02	265	18:23
2024	Oct	07	(Mon)	05:44	06:06	96	12:03	71S	18:01	264	18:22
2024	Oct	08	(Tue)	05:44	06:06	96	12:03	71S	18:00	264	18:22
2024	Oct	09	(Wed)	05:44	06:06	96	12:03	70S	18:00	263	18:21
2024	Oct	10	(Thu)	05:45	06:06	97	12:03	70S	17:59	263	18:20
2024	Oct	11	(Fri)	05:45	06:06	97	12:02	69S	17:58	263	18:20
2024	Oct	12	(Sat)	05:45	06:06	98	12:02	69S	17:58	262	18:19
2024	Oct	13	(Sun)	05:45	06:06	98	12:02	69S	17:57	262	18:19
2024	Oct	14	(Mon)	05:45	06:07	98	12:02	68S	17:57	262	18:18
2024	Oct	15	(Tue)	05:45	06:07	99	12:01	68S	17:56	261	18:17
2024	Oct	16	(Wed)	05:45	06:07	99	12:01	68S	17:55	261	18:17
2024	Oct	17	(Thu)	05:45	06:07	99	12:01	67S	17:55	260	18:16
2024	Oct	18	(Fri)	05:46	06:07	100	12:01	67S	17:54	260	18:16
2024	Oct	19	(Sat)	05:46	06:07	100	12:01	66S	17:54	260	18:15
2024	Oct	20	(Sun)	05:46	06:08	101	12:00	66S	17:53	259	18:15
2024	Oct	21	(Mon)	05:46	06:08	101	12:00	66S	17:53	259	18:14
2024	Oct	22	(Tue)	05:46	06:08	101	12:00	65S	17:52	259	18:14
2024	Oct	23	(Wed)	05:46	06:08	102	12:00	65S	17:52	258	18:13
2024	Oct	24	(Thu)	05:47	06:08	102	12:00	65S	17:51	258	18:13
2024	Oct	25	(Fri)	05:47	06:09	102	12:00	64S	17:51	257	18:12
2024	Oct	26	(Sat)	05:47	06:09	103	12:00	64S	17:50	257	18:12
2024	Oct	27	(Sun)	05:47	06:09	103	12:00	64S	17:50	257	18:12
2024	Oct	28	(Mon)	05:48	06:09	103	11:59	63S	17:49	256	18:11
2024	Oct	29	(Tue)	05:48	06:10	104	11:59	63S	17:49	256	18:11
2024	Oct	30	(Wed)	05:48	06:10	104	11:59	63S	17:48	256	18:10
2024	Oct	31	(Thu)	05:48	06:10	104	11:59	62S	17:48	255	18:10
2024	Nov	01	(Fri)	05:49	06:11	105	11:59	62S	17:48	255	18:10
2024	Nov	02	(Sat)	05:49	06:11	105	11:59	62S	17:47	255	18:09
2024	Nov	03	(Sun)	05:49	06:11	105	11:59	61S	17:47	254	18:09
2024	Nov	04	(Mon)	05:50	06:12	106	11:59	61S	17:47	254	18:09
2024	Nov	05	(Tue)	05:50	06:12	106	11:59	61S	17:46	254	18:09
2024	Nov	06	(Wed)	05:50	06:12	106	11:59	60S	17:46	254	18:08
2024	Nov	07	(Thu)	05:50	06:13	107	11:59	60S	17:46	253	18:08
2024	Nov	08	(Fri)	05:51	06:13	107	11:59	60S	17:46	253	18:08
2024	Nov	09	(Sat)	05:51	06:13	107	12:00	60S	17:45	253	18:08
2024	Nov	10	(Sun)	05:52	06:14	108	12:00	59S	17:45	252	18:08
2024	Nov	11	(Mon)	05:52	06:14	108	12:00	59S	17:45	252	18:07
2024	Nov	12	(Tue)	05:52	06:15	108	12:00	59S	17:45	252	18:07
2024	Nov	13	(Wed)	05:53	06:15	108	12:00	59S	17:45	251	18:07
2024	Nov	14	(Thu)	05:53	06:15	109	12:00	58S	17:45	251	18:07
2024	Nov	15	(Fri)	05:54	06:16	109	12:00	58S	17:45	251	18:07
2024	Nov	16	(Sat)	05:54	06:16	109	12:00	58S	17:44	251	18:07
2024	Nov	17	(Sun)	05:54	06:17	109	12:01	58S	17:44	250	18:07
2024	Nov	18	(Mon)	05:55	06:17	110	12:01	57S	17:44	250	18:07
2024	Nov	19	(Tue)	05:55	06:18	110	12:01	57S	17:44	250	18:07
2024	Nov	20	(Wed)	05:56	06:18	110	12:01	57S	17:44	250	18:07
2024	Nov	21	(Thu)	05:56	06:19	110	12:02	57S	17:44	250	18:07
2024	Nov	22	(Fri)	05:57	06:19	111	12:02	56S	17:44	249	18:07
2024	Nov	23	(Sat)	05:57	06:20	111	12:02	56S	17:44	249	18:07
2024	Nov	24	(Sun)	05:58	06:20	111	12:02	56S	17:44	249	18:07
2024	Nov	25	(Mon)	05:58	06:21	111	12:03	56S	17:44	249	18:07
2024	Nov	26	(Tue)	05:59	06:21	111	12:03	56S	17:45	248	18:07
2024	Nov	27	(Wed)	05:59	06:22	112	12:03	55S	17:45	248	18:08
2024	Nov	28	(Thu)	06:00	06:22	112	12:04	55S	17:45	248	18:08
2024	Nov	29	(Fri)	06:00	06:23	112	12:04	55S	17:45	248	18:08
2024	Nov	30	(Sat)	06:01	06:24	112	12:04	55S	17:45	248	18:08
2024	Dec	01	(Sun)	06:01	06:24	112	12:05	55S	17:45	248	18:08
2024	Dec	02	(Mon)	06:02	06:25	112	12:05	55S	17:46	247	18:09
2024	Dec	03	(Tue)	06:02	06:25	113	12:06	54S	17:46	247	18:09
2024	Dec	04	(Wed)	06:03	06:26	113	12:06	54S	17:46	247	18:09
2024	Dec	05	(Thu)	06:03	06:26	113	12:06	54S	17:46	247	18:09
2024	Dec	06	(Fri)	06:04	06:27	113	12:07	54S	17:47	247	18:10
2024	Dec	07	(Sat)	06:04	06:27	113	12:07	54S	17:47	247	18:10
2024	Dec	08	(Sun)	06:05	06:28	113	12:08	54S	17:47	247	18:10
2024	Dec	09	(Mon)	06:05	06:29	113	12:08	54S	17:48	247	18:11
2024	Dec	10	(Tue)	06:06	06:29	113	12:09	54S	17:48	246	18:11
2024	Dec	11	(Wed)	06:07	06:30	114	12:09	54S	17:48	246	18:11

2024	Dec 12	(Thu)	06:07	06:30	114	12:09	53S	17:49	246	18:12
2024	Dec 13	(Fri)	06:08	06:31	114	12:10	53S	17:49	246	18:12
2024	Dec 14	(Sat)	06:08	06:31	114	12:10	53S	17:50	246	18:13
2024	Dec 15	(Sun)	06:09	06:32	114	12:11	53S	17:50	246	18:13
2024	Dec 16	(Mon)	06:09	06:32	114	12:11	53S	17:50	246	18:14
2024	Dec 17	(Tue)	06:10	06:33	114	12:12	53S	17:51	246	18:14
2024	Dec 18	(Wed)	06:10	06:33	114	12:12	53S	17:51	246	18:14
2024	Dec 19	(Thu)	06:11	06:34	114	12:13	53S	17:52	246	18:15
2024	Dec 20	(Fri)	06:11	06:34	114	12:13	53S	17:52	246	18:15
2024	Dec 21	(Sat)	06:12	06:35	114	12:14	53S	17:53	246	18:16
2024	Dec 22	(Sun)	06:12	06:35	114	12:14	53S	17:53	246	18:16
2024	Dec 23	(Mon)	06:13	06:36	114	12:15	53S	17:54	246	18:17
2024	Dec 24	(Tue)	06:13	06:36	114	12:15	53S	17:54	246	18:17
2024	Dec 25	(Wed)	06:14	06:37	114	12:16	53S	17:55	246	18:18
2024	Dec 26	(Thu)	06:14	06:37	114	12:16	53S	17:55	246	18:18
2024	Dec 27	(Fri)	06:15	06:38	114	12:17	53S	17:56	246	18:19
2024	Dec 28	(Sat)	06:15	06:38	114	12:17	53S	17:56	246	18:20
2024	Dec 29	(Sun)	06:15	06:39	114	12:18	53S	17:57	246	18:20
2024	Dec 30	(Mon)	06:16	06:39	114	12:18	53S	17:58	246	18:21
2024	Dec 31	(Tue)	06:16	06:39	114	12:19	54S	17:58	246	18:21

Moon

VTET

Location: E101°05'00.0", N14°06'00.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Rise	Az.	Transit	Alt.	Set	Az.
			h	m	°	h	m	°
2024	Jan 01	(Mon)	22:28	80	04:07	90S	10:29	282
2024	Jan 02	(Tue)	23:13	86	04:47	84S	11:03	277
2024	Jan 03	(Wed)	23:58	92	05:26	79S	11:36	271
2024	Jan 04	(Thu)			06:05	73S	12:10	265
2024	Jan 05	(Fri)	00:44	98	06:46	67S	12:45	259
2024	Jan 06	(Sat)	01:32	104	07:29	61S	13:22	253
2024	Jan 07	(Sun)	02:24	109	08:15	56S	14:04	248
2024	Jan 08	(Mon)	03:20	114	09:07	52S	14:52	244
2024	Jan 09	(Tue)	04:20	117	10:04	49S	15:47	242
2024	Jan 10	(Wed)	05:23	119	11:06	48S	16:49	241
2024	Jan 11	(Thu)	06:26	119	12:10	49S	17:54	242
2024	Jan 12	(Fri)	07:26	116	13:12	51S	19:01	246
2024	Jan 13	(Sat)	08:21	112	14:12	56S	20:05	251
2024	Jan 14	(Sun)	09:11	106	15:07	62S	21:07	257
2024	Jan 15	(Mon)	09:56	99	15:59	69S	22:05	264
2024	Jan 16	(Tue)	10:38	92	16:48	76S	23:01	272
2024	Jan 17	(Wed)	11:19	85	17:35	83S	23:55	279
2024	Jan 18	(Thu)	12:00	78	18:23	90S		
2024	Jan 19	(Fri)	12:42	72	19:13	86N	00:50	285
2024	Jan 20	(Sat)	13:27	67	20:04	81N	01:46	291
2024	Jan 21	(Sun)	14:16	64	20:58	78N	02:44	295
2024	Jan 22	(Mon)	15:08	61	21:53	77N	03:42	298
2024	Jan 23	(Tue)	16:03	61	22:48	77N	04:39	299
2024	Jan 24	(Wed)	16:59	62	23:42	78N	05:33	299
2024	Jan 25	(Thu)	17:53	65			06:23	297
2024	Jan 26	(Fri)	18:46	68	00:32	81N	07:09	293
2024	Jan 27	(Sat)	19:35	73	01:19	85N	07:50	289
2024	Jan 28	(Sun)	20:23	79	02:03	90N	08:28	284
2024	Jan 29	(Mon)	21:08	84	02:44	86S	09:02	279
2024	Jan 30	(Tue)	21:53	90	03:24	81S	09:36	273
2024	Jan 31	(Wed)	22:38	96	04:02	75S	10:09	267
2024	Feb 01	(Thu)	23:25	102	04:42	69S	10:42	261
2024	Feb 02	(Fri)			05:23	63S	11:18	255
2024	Feb 03	(Sat)	00:14	107	06:07	58S	11:57	250
2024	Feb 04	(Sun)	01:06	112	06:55	54S	12:41	246

2024 Feb 05 (Mon)	02:03	116	07:48	50S	13:31	243
2024 Feb 06 (Tue)	03:03	119	08:46	48S	14:28	241
2024 Feb 07 (Wed)	04:05	119	09:48	48S	15:31	241
2024 Feb 08 (Thu)	05:07	118	10:51	50S	16:37	243
2024 Feb 09 (Fri)	06:05	114	11:53	54S	17:44	248
2024 Feb 10 (Sat)	06:58	109	12:51	59S	18:48	254
2024 Feb 11 (Sun)	07:46	102	13:46	66S	19:49	261
2024 Feb 12 (Mon)	08:31	95	14:38	73S	20:48	269
2024 Feb 13 (Tue)	09:14	88	15:28	81S	21:46	276
2024 Feb 14 (Wed)	09:56	80	16:18	88S	22:43	283
2024 Feb 15 (Thu)	10:39	74	17:08	88N	23:40	289
2024 Feb 16 (Fri)	11:25	68	18:00	83N		
2024 Feb 17 (Sat)	12:13	64	18:54	79N	00:38	294
2024 Feb 18 (Sun)	13:04	62	19:49	77N	01:37	297
2024 Feb 19 (Mon)	13:59	61	20:44	76N	02:34	299
2024 Feb 20 (Tue)	14:54	61	21:38	77N	03:29	299
2024 Feb 21 (Wed)	15:48	64	22:29	80N	04:20	298
2024 Feb 22 (Thu)	16:41	67	23:16	84N	05:07	295
2024 Feb 23 (Fri)	17:31	72			05:49	291
2024 Feb 24 (Sat)	18:19	77	00:01	88N	06:27	286
2024 Feb 25 (Sun)	19:05	82	00:43	88S	07:03	280
2024 Feb 26 (Mon)	19:50	88	01:22	82S	07:37	275
2024 Feb 27 (Tue)	20:35	94	02:01	77S	08:09	269
2024 Feb 28 (Wed)	21:21	100	02:40	71S	08:43	263
2024 Feb 29 (Thu)	22:08	106	03:20	65S	09:17	257
2024 Mar 01 (Fri)	22:59	111	04:03	60S	09:54	252
2024 Mar 02 (Sat)	23:53	115	04:48	55S	10:36	247
2024 Mar 03 (Sun)			05:38	51S	11:22	243
2024 Mar 04 (Mon)	00:50	118	06:33	48S	12:14	241
2024 Mar 05 (Tue)	01:49	119	07:31	47S	13:13	241
2024 Mar 06 (Wed)	02:49	119	08:32	48S	14:16	242
2024 Mar 07 (Thu)	03:47	117	09:33	51S	15:20	245
2024 Mar 08 (Fri)	04:42	112	10:32	56S	16:25	250
2024 Mar 09 (Sat)	05:32	106	11:28	62S	17:28	257
2024 Mar 10 (Sun)	06:19	99	12:22	69S	18:29	265
2024 Mar 11 (Mon)	07:03	91	13:14	77S	19:28	272
2024 Mar 12 (Tue)	07:46	84	14:05	84S	20:27	280
2024 Mar 13 (Wed)	08:31	77	14:57	90N	21:26	287
2024 Mar 14 (Thu)	09:17	70	15:50	84N	22:27	292
2024 Mar 15 (Fri)	10:06	66	16:45	80N	23:27	296
2024 Mar 16 (Sat)	10:58	62	17:42	77N		
2024 Mar 17 (Sun)	11:52	61	18:38	76N	00:27	299
2024 Mar 18 (Mon)	12:48	61	19:33	77N	01:24	299
2024 Mar 19 (Tue)	13:43	63	20:26	79N	02:17	298
2024 Mar 20 (Wed)	14:37	66	21:14	82N	03:05	296
2024 Mar 21 (Thu)	15:28	70	21:59	86N	03:49	292
2024 Mar 22 (Fri)	16:16	75	22:42	90S	04:28	288
2024 Mar 23 (Sat)	17:03	80	23:22	84S	05:04	282
2024 Mar 24 (Sun)	17:48	86			05:38	277
2024 Mar 25 (Mon)	18:33	92	00:01	79S	06:11	271
2024 Mar 26 (Tue)	19:18	98	00:40	73S	06:44	265
2024 Mar 27 (Wed)	20:05	104	01:20	67S	07:18	259
2024 Mar 28 (Thu)	20:55	109	02:01	61S	07:55	253
2024 Mar 29 (Fri)	21:48	114	02:46	56S	08:34	248
2024 Mar 30 (Sat)	22:43	117	03:34	52S	09:19	244
2024 Mar 31 (Sun)	23:41	119	04:26	49S	10:09	242
2024 Apr 01 (Mon)			05:22	48S	11:04	240
2024 Apr 02 (Tue)	00:39	119	06:21	48S	12:03	241
2024 Apr 03 (Wed)	01:36	118	07:20	50S	13:05	244
2024 Apr 04 (Thu)	02:30	114	08:18	53S	14:08	248
2024 Apr 05 (Fri)	03:20	109	09:13	59S	15:09	254
2024 Apr 06 (Sat)	04:07	103	10:06	65S	16:09	261
2024 Apr 07 (Sun)	04:51	96	10:58	73S	17:08	268
2024 Apr 08 (Mon)	05:35	88	11:49	80S	18:07	276
2024 Apr 09 (Tue)	06:18	80	12:41	88S	19:07	283
2024 Apr 10 (Wed)	07:04	74	13:34	87N	20:08	290
2024 Apr 11 (Thu)	07:53	68	14:30	82N	21:10	295

2024 Apr 12 (Fri)	08:45 64	15:28 78N	22:13 298
2024 Apr 13 (Sat)	09:41 61	16:27 76N	23:13 299
2024 Apr 14 (Sun)	10:38 61	17:24 76N	
2024 Apr 15 (Mon)	11:35 62	18:19 78N	00:10 299
2024 Apr 16 (Tue)	12:30 64	19:10 81N	01:01 297
2024 Apr 17 (Wed)	13:23 68	19:57 85N	01:47 294
2024 Apr 18 (Thu)	14:12 73	20:40 90N	02:27 289
2024 Apr 19 (Fri)	14:59 78	21:21 86S	03:04 284
2024 Apr 20 (Sat)	15:45 84	22:00 81S	03:39 279
2024 Apr 21 (Sun)	16:30 90	22:39 75S	04:12 273
2024 Apr 22 (Mon)	17:15 96	23:18 69S	04:45 267
2024 Apr 23 (Tue)	18:02 102	24:00 63S	05:19 261
2024 Apr 24 (Wed)	18:51 108		05:55 255
2024 Apr 25 (Thu)	19:43 112	00:44 58S	06:34 250
2024 Apr 26 (Fri)	20:38 116	01:31 53S	07:17 246
2024 Apr 27 (Sat)	21:36 119	02:23 50S	08:05 242
2024 Apr 28 (Sun)	22:34 120	03:18 48S	08:59 241
2024 Apr 29 (Mon)	23:31 119	04:15 48S	09:57 241
2024 Apr 30 (Tue)		05:14 49S	10:57 243
2024 May 01 (Wed)	00:25 116	06:11 52S	11:58 246
2024 May 02 (Thu)	01:15 111	07:05 57S	12:58 251
2024 May 03 (Fri)	02:01 105	07:57 63S	13:57 258
2024 May 04 (Sat)	02:45 99	08:47 70S	14:54 265
2024 May 05 (Sun)	03:27 91	09:37 77S	15:51 272
2024 May 06 (Mon)	04:09 84	10:27 84S	16:49 280
2024 May 07 (Tue)	04:53 77	11:18 90N	17:48 287
2024 May 08 (Wed)	05:39 71	12:13 84N	18:50 292
2024 May 09 (Thu)	06:30 66	13:10 80N	19:53 297
2024 May 10 (Fri)	07:25 62	14:10 77N	20:56 299
2024 May 11 (Sat)	08:23 61	15:10 76N	21:56 299
2024 May 12 (Sun)	09:22 61	16:07 77N	22:51 298
2024 May 13 (Mon)	10:20 63	17:01 80N	23:40 295
2024 May 14 (Tue)	11:14 67	17:51 83N	
2024 May 15 (Wed)	12:06 71	18:36 88N	00:24 291
2024 May 16 (Thu)	12:54 76	19:18 88S	01:03 286
2024 May 17 (Fri)	13:40 82	19:58 83S	01:38 281
2024 May 18 (Sat)	14:25 88	20:37 77S	02:12 275
2024 May 19 (Sun)	15:10 94	21:16 71S	02:45 269
2024 May 20 (Mon)	15:56 100	21:56 65S	03:18 263
2024 May 21 (Tue)	16:45 106	22:39 60S	03:53 257
2024 May 22 (Wed)	17:36 111	23:26 55S	04:31 252
2024 May 23 (Thu)	18:31 115		05:13 247
2024 May 24 (Fri)	19:28 118	00:16 51S	06:00 243
2024 May 25 (Sat)	20:28 119	01:11 48S	06:53 241
2024 May 26 (Sun)	21:26 119	02:09 48S	07:51 241
2024 May 27 (Mon)	22:21 117	03:08 48S	08:52 242
2024 May 28 (Tue)	23:13 113	04:06 51S	09:53 245
2024 May 29 (Wed)	23:59 107	05:02 55S	10:53 250
2024 May 30 (Thu)		05:54 61S	11:51 256
2024 May 31 (Fri)	00:43 101	06:43 67S	12:47 263
2024 Jun 01 (Sat)	01:24 94	07:32 74S	13:43 270
2024 Jun 02 (Sun)	02:05 87	08:20 81S	14:38 277
2024 Jun 03 (Mon)	02:46 80	09:09 88S	15:35 284
2024 Jun 04 (Tue)	03:31 73	10:01 87N	16:35 290
2024 Jun 05 (Wed)	04:19 68	10:56 82N	17:36 295
2024 Jun 06 (Thu)	05:11 63	11:54 78N	18:39 298
2024 Jun 07 (Fri)	06:08 61	12:54 76N	19:41 299
2024 Jun 08 (Sat)	07:07 61	13:53 76N	20:38 299
2024 Jun 09 (Sun)	08:06 62	14:49 78N	21:31 296
2024 Jun 10 (Mon)	09:03 65	15:41 82N	22:17 293
2024 Jun 11 (Tue)	09:56 69	16:29 86N	22:59 288
2024 Jun 12 (Wed)	10:47 74	17:13 90S	23:36 283
2024 Jun 13 (Thu)	11:34 80	17:54 85S	
2024 Jun 14 (Fri)	12:19 86	18:33 79S	00:10 277
2024 Jun 15 (Sat)	13:04 92	19:12 73S	00:43 271
2024 Jun 16 (Sun)	13:50 98	19:51 67S	01:16 265
2024 Jun 17 (Mon)	14:37 104	20:33 62S	01:50 259

2024 Jun 18 (Tue)	15:26 109	21:18 57S	02:27 254
2024 Jun 19 (Wed)	16:20 113	22:07 52S	03:07 249
2024 Jun 20 (Thu)	17:17 117	23:01 49S	03:52 245
2024 Jun 21 (Fri)	18:16 119	23:58 48S	04:43 242
2024 Jun 22 (Sat)	19:16 119		05:40 241
2024 Jun 23 (Sun)	20:14 117	00:58 48S	06:41 241
2024 Jun 24 (Mon)	21:08 114	01:58 50S	07:44 244
2024 Jun 25 (Tue)	21:57 109	02:56 54S	08:46 248
2024 Jun 26 (Wed)	22:42 103	03:50 59S	09:46 254
2024 Jun 27 (Thu)	23:24 96	04:41 66S	10:43 261
2024 Jun 28 (Fri)		05:30 72S	11:39 268
2024 Jun 29 (Sat)	00:04 89	06:17 80S	12:33 275
2024 Jun 30 (Sun)	00:45 82	07:05 86S	13:29 282
2024 Jul 01 (Mon)	01:27 75	07:55 89N	14:26 288
2024 Jul 02 (Tue)	02:13 69	08:48 83N	15:26 293
2024 Jul 03 (Wed)	03:03 65	09:43 79N	16:27 297
2024 Jul 04 (Thu)	03:57 62	10:42 77N	17:28 299
2024 Jul 05 (Fri)	04:54 61	11:41 76N	18:27 299
2024 Jul 06 (Sat)	05:53 61	12:38 77N	19:21 297
2024 Jul 07 (Sun)	06:51 64	13:32 80N	20:10 294
2024 Jul 08 (Mon)	07:46 68	14:21 84N	20:53 290
2024 Jul 09 (Tue)	08:38 72	15:07 89N	21:32 285
2024 Jul 10 (Wed)	09:27 78	15:49 87S	22:08 279
2024 Jul 11 (Thu)	10:13 84	16:29 81S	22:42 273
2024 Jul 12 (Fri)	10:58 90	17:08 75S	23:15 267
2024 Jul 13 (Sat)	11:43 96	17:47 69S	23:48 262
2024 Jul 14 (Sun)	12:29 101	18:27 64S	
2024 Jul 15 (Mon)	13:17 107	19:10 59S	00:23 256
2024 Jul 16 (Tue)	14:08 112	19:57 54S	01:01 251
2024 Jul 17 (Wed)	15:03 116	20:48 50S	01:43 246
2024 Jul 18 (Thu)	16:01 118	21:44 48S	02:31 243
2024 Jul 19 (Fri)	17:01 119	22:43 48S	03:26 241
2024 Jul 20 (Sat)	18:01 118	23:44 49S	04:25 241
2024 Jul 21 (Sun)	18:58 116		05:29 243
2024 Jul 22 (Mon)	19:50 111	00:44 52S	06:33 246
2024 Jul 23 (Tue)	20:38 105	01:41 57S	07:35 252
2024 Jul 24 (Wed)	21:22 98	02:35 63S	08:35 258
2024 Jul 25 (Thu)	22:03 91	03:25 70S	09:32 266
2024 Jul 26 (Fri)	22:45 83	04:14 77S	10:29 273
2024 Jul 27 (Sat)	23:27 77	05:03 85S	11:25 280
2024 Jul 28 (Sun)		05:52 90N	12:22 287
2024 Jul 29 (Mon)	00:11 71	06:44 85N	13:20 292
2024 Jul 30 (Tue)	00:59 66	07:38 80N	14:20 296
2024 Jul 31 (Wed)	01:51 62	08:35 77N	15:21 299
2024 Aug 01 (Thu)	02:47 61	09:33 76N	16:19 299
2024 Aug 02 (Fri)	03:44 61	10:30 77N	17:14 298
2024 Aug 03 (Sat)	04:42 63	11:25 79N	18:05 296
2024 Aug 04 (Sun)	05:38 66	12:15 83N	18:50 292
2024 Aug 05 (Mon)	06:31 71	13:02 87N	19:30 287
2024 Aug 06 (Tue)	07:21 76	13:45 89S	20:07 281
2024 Aug 07 (Wed)	08:08 82	14:26 83S	20:41 275
2024 Aug 08 (Thu)	08:53 88	15:05 77S	21:14 269
2024 Aug 09 (Fri)	09:38 94	15:44 71S	21:47 264
2024 Aug 10 (Sat)	10:23 99	16:23 66S	22:21 258
2024 Aug 11 (Sun)	11:10 105	17:04 60S	22:57 253
2024 Aug 12 (Mon)	11:59 110	17:49 56S	23:37 248
2024 Aug 13 (Tue)	12:51 114	18:37 52S	
2024 Aug 14 (Wed)	13:47 118	19:30 49S	00:21 244
2024 Aug 15 (Thu)	14:45 119	20:27 47S	01:12 241
2024 Aug 16 (Fri)	15:45 119	21:27 48S	02:08 240
2024 Aug 17 (Sat)	16:42 117	22:27 50S	03:09 241
2024 Aug 18 (Sun)	17:37 113	23:26 55S	04:13 244
2024 Aug 19 (Mon)	18:27 108		05:17 249
2024 Aug 20 (Tue)	19:14 101	00:22 60S	06:19 255
2024 Aug 21 (Wed)	19:58 94	01:15 67S	07:19 262
2024 Aug 22 (Thu)	20:40 86	02:06 75S	08:18 270
2024 Aug 23 (Fri)	21:23 79	02:56 82S	09:16 278

2024 Aug 24 (Sat)	22:08	72	03:47	89S	10:14	285
2024 Aug 25 (Sun)	22:56	67	04:39	86N	11:13	291
2024 Aug 26 (Mon)	23:47	63	05:34	81N	12:14	295
2024 Aug 27 (Tue)			06:30	78N	13:15	298
2024 Aug 28 (Wed)	00:42	61	07:28	76N	14:15	300
2024 Aug 29 (Thu)	01:39	61	08:25	76N	15:11	299
2024 Aug 30 (Fri)	02:37	62	09:20	78N	16:02	297
2024 Aug 31 (Sat)	03:33	65	10:12	81N	16:48	293
2024 Sep 01 (Sun)	04:26	69	10:59	86N	17:29	289
2024 Sep 02 (Mon)	05:16	74	11:43	91N	18:07	283
2024 Sep 03 (Tue)	06:04	80	12:24	85S	18:41	277
2024 Sep 04 (Wed)	06:50	85	13:04	79S	19:14	272
2024 Sep 05 (Thu)	07:35	91	13:42	73S	19:47	266
2024 Sep 06 (Fri)	08:19	97	14:21	68S	20:21	260
2024 Sep 07 (Sat)	09:05	103	15:02	62S	20:56	254
2024 Sep 08 (Sun)	09:53	108	15:44	57S	21:34	249
2024 Sep 09 (Mon)	10:43	113	16:31	53S	22:16	245
2024 Sep 10 (Tue)	11:37	117	17:20	50S	23:03	242
2024 Sep 11 (Wed)	12:33	119	18:14	48S	23:55	241
2024 Sep 12 (Thu)	13:30	120	19:11	47S		
2024 Sep 13 (Fri)	14:27	119	20:10	49S	00:53	241
2024 Sep 14 (Sat)	15:22	116	21:08	52S	01:54	242
2024 Sep 15 (Sun)	16:14	111	22:05	57S	02:57	246
2024 Sep 16 (Mon)	17:02	105	22:59	63S	03:59	252
2024 Sep 17 (Tue)	17:47	98	23:51	71S	05:00	259
2024 Sep 18 (Wed)	18:30	90			05:59	266
2024 Sep 19 (Thu)	19:14	82	00:43	78S	06:59	274
2024 Sep 20 (Fri)	20:00	75	01:35	86S	07:59	282
2024 Sep 21 (Sat)	20:48	69	02:28	89N	09:00	288
2024 Sep 22 (Sun)	21:40	64	03:24	83N	10:03	294
2024 Sep 23 (Mon)	22:35	61	04:22	79N	11:06	298
2024 Sep 24 (Tue)	23:33	60	05:21	76N	12:08	299
2024 Sep 25 (Wed)			06:20	76N	13:06	299
2024 Sep 26 (Thu)	00:31	61	07:16	77N	13:59	298
2024 Sep 27 (Fri)	01:28	64	08:09	80N	14:47	294
2024 Sep 28 (Sat)	02:22	68	08:57	84N	15:29	290
2024 Sep 29 (Sun)	03:13	72	09:42	89N	16:08	285
2024 Sep 30 (Mon)	04:01	78	10:24	87S	16:43	279
2024 Oct 01 (Tue)	04:47	83	11:03	81S	17:16	274
2024 Oct 02 (Wed)	05:32	89	11:42	75S	17:49	268
2024 Oct 03 (Thu)	06:17	96	12:21	70S	18:22	262
2024 Oct 04 (Fri)	07:03	101	13:01	64S	18:56	256
2024 Oct 05 (Sat)	07:50	107	13:43	59S	19:33	251
2024 Oct 06 (Sun)	08:39	112	14:28	54S	20:14	246
2024 Oct 07 (Mon)	09:31	116	15:16	51S	20:59	243
2024 Oct 08 (Tue)	10:26	118	16:08	48S	21:49	241
2024 Oct 09 (Wed)	11:22	120	17:03	47S	22:43	240
2024 Oct 10 (Thu)	12:18	119	17:59	48S	23:41	241
2024 Oct 11 (Fri)	13:12	117	18:56	50S		
2024 Oct 12 (Sat)	14:03	113	19:51	55S	00:41	244
2024 Oct 13 (Sun)	14:50	108	20:44	60S	01:42	249
2024 Oct 14 (Mon)	15:35	101	21:36	67S	02:41	255
2024 Oct 15 (Tue)	16:19	94	22:27	74S	03:40	262
2024 Oct 16 (Wed)	17:02	86	23:18	82S	04:38	270
2024 Oct 17 (Thu)	17:47	79			05:38	277
2024 Oct 18 (Fri)	18:34	72	00:11	89S	06:39	285
2024 Oct 19 (Sat)	19:26	66	01:07	86N	07:43	291
2024 Oct 20 (Sun)	20:22	62	02:05	81N	08:48	296
2024 Oct 21 (Mon)	21:21	61	03:07	77N	09:53	299
2024 Oct 22 (Tue)	22:21	61	04:08	76N	10:55	300
2024 Oct 23 (Wed)	23:20	63	05:08	77N	11:52	298
2024 Oct 24 (Thu)			06:03	79N	12:43	296
2024 Oct 25 (Fri)	00:17	66	06:54	83N	13:28	292
2024 Oct 26 (Sat)	01:09	71	07:40	87N	14:08	287
2024 Oct 27 (Sun)	01:58	76	08:23	89S	14:44	281
2024 Oct 28 (Mon)	02:45	82	09:03	83S	15:18	275
2024 Oct 29 (Tue)	03:30	88	09:42	77S	15:51	269

2024	Oct	30	(Wed)	04:15	94	10:20	71S	16:23	264
2024	Oct	31	(Thu)	05:00	99	11:00	66S	16:57	258
2024	Nov	01	(Fri)	05:47	105	11:41	60S	17:34	252
2024	Nov	02	(Sat)	06:36	110	12:25	56S	18:13	248
2024	Nov	03	(Sun)	07:27	114	13:13	52S	18:57	244
2024	Nov	04	(Mon)	08:21	118	14:04	49S	19:46	241
2024	Nov	05	(Tue)	09:17	119	14:58	47S	20:39	240
2024	Nov	06	(Wed)	10:13	119	15:54	48S	21:35	241
2024	Nov	07	(Thu)	11:07	118	16:49	50S	22:34	243
2024	Nov	08	(Fri)	11:57	115	17:44	53S	23:32	247
2024	Nov	09	(Sat)	12:45	110	18:36	58S		
2024	Nov	10	(Sun)	13:29	104	19:26	64S	00:30	253
2024	Nov	11	(Mon)	14:11	97	20:15	71S	01:27	259
2024	Nov	12	(Tue)	14:53	90	21:04	78S	02:23	266
2024	Nov	13	(Wed)	15:35	83	21:55	86S	03:20	274
2024	Nov	14	(Thu)	16:20	76	22:48	89N	04:18	281
2024	Nov	15	(Fri)	17:09	69	23:45	83N	05:20	288
2024	Nov	16	(Sat)	18:03	64			06:24	294
2024	Nov	17	(Sun)	19:02	61	00:46	79N	07:31	297
2024	Nov	18	(Mon)	20:04	61	01:49	76N	08:37	299
2024	Nov	19	(Tue)	21:06	62	02:51	76N	09:38	299
2024	Nov	20	(Wed)	22:05	65	03:51	78N	10:33	297
2024	Nov	21	(Thu)	23:01	69	04:45	81N	11:22	293
2024	Nov	22	(Fri)	23:52	74	05:34	86N	12:05	288
2024	Nov	23	(Sat)			06:19	91N	12:43	283
2024	Nov	24	(Sun)	00:40	80	07:01	85S	13:18	277
2024	Nov	25	(Mon)	01:26	86	07:40	79S	13:51	271
2024	Nov	26	(Tue)	02:11	92	08:19	73S	14:24	266
2024	Nov	27	(Wed)	02:56	97	08:58	68S	14:57	260
2024	Nov	28	(Thu)	03:42	103	09:38	62S	15:32	254
2024	Nov	29	(Fri)	04:30	108	10:22	57S	16:11	249
2024	Nov	30	(Sat)	05:21	113	11:08	53S	16:54	245
2024	Dec	01	(Sun)	06:15	117	11:59	50S	17:41	242
2024	Dec	02	(Mon)	07:11	119	12:53	48S	18:34	241
2024	Dec	03	(Tue)	08:08	119	13:49	48S	19:30	241
2024	Dec	04	(Wed)	09:03	118	14:45	49S	20:29	243
2024	Dec	05	(Thu)	09:55	116	15:40	52S	21:27	246
2024	Dec	06	(Fri)	10:43	111	16:33	57S	22:25	251
2024	Dec	07	(Sat)	11:27	106	17:23	62S	23:21	257
2024	Dec	08	(Sun)	12:09	100	18:11	69S		
2024	Dec	09	(Mon)	12:49	93	18:58	76S	00:16	264
2024	Dec	10	(Tue)	13:30	85	19:46	83S	01:10	271
2024	Dec	11	(Wed)	14:12	78	20:36	90S	02:06	278
2024	Dec	12	(Thu)	14:57	72	21:29	86N	03:04	285
2024	Dec	13	(Fri)	15:48	67	22:27	81N	04:05	291
2024	Dec	14	(Sat)	16:43	63	23:28	77N	05:09	296
2024	Dec	15	(Sun)	17:44	61			06:15	299
2024	Dec	16	(Mon)	18:47	61	00:31	76N	07:19	299
2024	Dec	17	(Tue)	19:49	63	01:33	77N	08:18	298
2024	Dec	18	(Wed)	20:47	67	02:31	80N	09:11	295
2024	Dec	19	(Thu)	21:42	72	03:24	84N	09:57	291
2024	Dec	20	(Fri)	22:32	77	04:12	89N	10:38	285
2024	Dec	21	(Sat)	23:20	83	04:55	87S	11:15	280
2024	Dec	22	(Sun)			05:36	81S	11:49	274
2024	Dec	23	(Mon)	00:05	89	06:15	76S	12:22	268
2024	Dec	24	(Tue)	00:50	95	06:54	70S	12:55	262
2024	Dec	25	(Wed)	01:36	101	07:34	64S	13:30	256
2024	Dec	26	(Thu)	02:23	107	08:16	59S	14:07	251
2024	Dec	27	(Fri)	03:12	111	09:01	54S	14:48	247
2024	Dec	28	(Sat)	04:05	115	09:50	51S	15:34	243
2024	Dec	29	(Sun)	05:01	118	10:43	48S	16:25	241
2024	Dec	30	(Mon)	05:58	119	11:39	48S	17:21	241
2024	Dec	31	(Tue)	06:55	119	12:37	48S	18:20	242