

Sun

VTNI

Location: E 98°29'00.0", N18°35'00.0", 8530m
(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)	06:07	06:58 114		12:29 49S	18:00 246		18:51
2024 Jan 02 (Tue)	06:08	06:59 114		12:30 49S	18:01 246		18:52
2024 Jan 03 (Wed)	06:08	06:59 114		12:30 49S	18:02 246		18:52
2024 Jan 04 (Thu)	06:08	06:59 114		12:31 49S	18:02 246		18:53
2024 Jan 05 (Fri)	06:09	06:59 114		12:31 49S	18:03 246		18:54
2024 Jan 06 (Sat)	06:09	07:00 114		12:32 50S	18:03 246		18:54
2024 Jan 07 (Sun)	06:09	07:00 113		12:32 50S	18:04 247		18:55
2024 Jan 08 (Mon)	06:10	07:00 113		12:32 50S	18:05 247		18:55
2024 Jan 09 (Tue)	06:10	07:00 113		12:33 50S	18:05 247		18:56
2024 Jan 10 (Wed)	06:10	07:01 113		12:33 50S	18:06 247		18:57
2024 Jan 11 (Thu)	06:10	07:01 113		12:34 50S	18:07 247		18:57
2024 Jan 12 (Fri)	06:11	07:01 113		12:34 50S	18:07 247		18:58
2024 Jan 13 (Sat)	06:11	07:01 113		12:34 51S	18:08 248		18:58
2024 Jan 14 (Sun)	06:11	07:01 112		12:35 51S	18:09 248		18:59
2024 Jan 15 (Mon)	06:11	07:01 112		12:35 51S	18:09 248		18:59
2024 Jan 16 (Tue)	06:11	07:01 112		12:36 51S	18:10 248		19:00
2024 Jan 17 (Wed)	06:11	07:01 112		12:36 51S	18:10 248		19:01
2024 Jan 18 (Thu)	06:11	07:02 112		12:36 51S	18:11 249		19:01
2024 Jan 19 (Fri)	06:12	07:02 111		12:37 52S	18:12 249		19:02
2024 Jan 20 (Sat)	06:12	07:02 111		12:37 52S	18:12 249		19:02
2024 Jan 21 (Sun)	06:12	07:01 111		12:37 52S	18:13 249		19:03
2024 Jan 22 (Mon)	06:12	07:01 111		12:37 52S	18:14 249		19:03
2024 Jan 23 (Tue)	06:12	07:01 110		12:38 53S	18:14 250		19:04
2024 Jan 24 (Wed)	06:12	07:01 110		12:38 53S	18:15 250		19:04
2024 Jan 25 (Thu)	06:12	07:01 110		12:38 53S	18:15 250		19:05
2024 Jan 26 (Fri)	06:12	07:01 110		12:38 53S	18:16 250		19:05
2024 Jan 27 (Sat)	06:11	07:01 109		12:39 54S	18:17 251		19:06
2024 Jan 28 (Sun)	06:11	07:01 109		12:39 54S	18:17 251		19:06
2024 Jan 29 (Mon)	06:11	07:00 109		12:39 54S	18:18 251		19:07
2024 Jan 30 (Tue)	06:11	07:00 109		12:39 54S	18:18 252		19:07
2024 Jan 31 (Wed)	06:11	07:00 108		12:39 55S	18:19 252		19:08
2024 Feb 01 (Thu)	06:11	07:00 108		12:40 55S	18:19 252		19:08
2024 Feb 02 (Fri)	06:11	07:00 108		12:40 55S	18:20 252		19:09
2024 Feb 03 (Sat)	06:10	06:59 107		12:40 55S	18:21 253		19:09
2024 Feb 04 (Sun)	06:10	06:59 107		12:40 56S	18:21 253		19:10
2024 Feb 05 (Mon)	06:10	06:59 107		12:40 56S	18:22 253		19:10
2024 Feb 06 (Tue)	06:10	06:58 106		12:40 56S	18:22 254		19:11
2024 Feb 07 (Wed)	06:09	06:58 106		12:40 57S	18:23 254		19:11
2024 Feb 08 (Thu)	06:09	06:57 106		12:40 57S	18:23 254		19:12
2024 Feb 09 (Fri)	06:09	06:57 105		12:40 57S	18:24 255		19:12
2024 Feb 10 (Sat)	06:08	06:57 105		12:40 58S	18:24 255		19:12
2024 Feb 11 (Sun)	06:08	06:56 105		12:40 58S	18:25 255		19:13
2024 Feb 12 (Mon)	06:08	06:56 104		12:40 58S	18:25 256		19:13
2024 Feb 13 (Tue)	06:07	06:55 104		12:40 59S	18:25 256		19:14
2024 Feb 14 (Wed)	06:07	06:55 104		12:40 59S	18:26 256		19:14
2024 Feb 15 (Thu)	06:06	06:54 103		12:40 59S	18:26 257		19:14
2024 Feb 16 (Fri)	06:06	06:54 103		12:40 60S	18:27 257		19:15
2024 Feb 17 (Sat)	06:05	06:53 103		12:40 60S	18:27 258		19:15
2024 Feb 18 (Sun)	06:05	06:53 102		12:40 60S	18:28 258		19:16
2024 Feb 19 (Mon)	06:04	06:52 102		12:40 61S	18:28 258		19:16
2024 Feb 20 (Tue)	06:04	06:51 102		12:40 61S	18:28 259		19:16
2024 Feb 21 (Wed)	06:03	06:51 101		12:40 61S	18:29 259		19:17
2024 Feb 22 (Thu)	06:03	06:50 101		12:40 62S	18:29 259		19:17
2024 Feb 23 (Fri)	06:02	06:50 100		12:39 62S	18:30 260		19:17
2024 Feb 24 (Sat)	06:01	06:49 100		12:39 62S	18:30 260		19:18

2024	Feb	25	(Sun)	06:01	06:48	100	12:39	63S	18:30	261	19:18
2024	Feb	26	(Mon)	06:00	06:48	99	12:39	63S	18:31	261	19:18
2024	Feb	27	(Tue)	06:00	06:47	99	12:39	64S	18:31	261	19:18
2024	Feb	28	(Wed)	05:59	06:46	98	12:39	64S	18:31	262	19:19
2024	Feb	29	(Thu)	05:58	06:46	98	12:39	64S	18:32	262	19:19
2024	Mar	01	(Fri)	05:58	06:45	98	12:38	65S	18:32	263	19:19
2024	Mar	02	(Sat)	05:57	06:44	97	12:38	65S	18:32	263	19:20
2024	Mar	03	(Sun)	05:56	06:43	97	12:38	66S	18:33	263	19:20
2024	Mar	04	(Mon)	05:56	06:43	96	12:38	66S	18:33	264	19:20
2024	Mar	05	(Tue)	05:55	06:42	96	12:37	66S	18:33	264	19:20
2024	Mar	06	(Wed)	05:54	06:41	96	12:37	67S	18:34	265	19:21
2024	Mar	07	(Thu)	05:53	06:40	95	12:37	67S	18:34	265	19:21
2024	Mar	08	(Fri)	05:53	06:40	95	12:37	67S	18:34	265	19:21
2024	Mar	09	(Sat)	05:52	06:39	94	12:37	68S	18:34	266	19:21
2024	Mar	10	(Sun)	05:51	06:38	94	12:36	68S	18:35	266	19:22
2024	Mar	11	(Mon)	05:50	06:37	94	12:36	69S	18:35	267	19:22
2024	Mar	12	(Tue)	05:50	06:37	93	12:36	69S	18:35	267	19:22
2024	Mar	13	(Wed)	05:49	06:36	93	12:35	69S	18:35	268	19:23
2024	Mar	14	(Thu)	05:48	06:35	92	12:35	70S	18:36	268	19:23
2024	Mar	15	(Fri)	05:47	06:34	92	12:35	70S	18:36	268	19:23
2024	Mar	16	(Sat)	05:46	06:33	91	12:35	71S	18:36	269	19:23
2024	Mar	17	(Sun)	05:45	06:33	91	12:34	71S	18:36	269	19:24
2024	Mar	18	(Mon)	05:45	06:32	91	12:34	71S	18:37	270	19:24
2024	Mar	19	(Tue)	05:44	06:31	90	12:34	72S	18:37	270	19:24
2024	Mar	20	(Wed)	05:43	06:30	90	12:33	72S	18:37	270	19:24
2024	Mar	21	(Thu)	05:42	06:29	89	12:33	73S	18:37	271	19:25
2024	Mar	22	(Fri)	05:41	06:28	89	12:33	73S	18:38	271	19:25
2024	Mar	23	(Sat)	05:40	06:28	89	12:33	73S	18:38	272	19:25
2024	Mar	24	(Sun)	05:40	06:27	88	12:32	74S	18:38	272	19:25
2024	Mar	25	(Mon)	05:39	06:26	88	12:32	74S	18:38	273	19:26
2024	Mar	26	(Tue)	05:38	06:25	87	12:32	75S	18:38	273	19:26
2024	Mar	27	(Wed)	05:37	06:24	87	12:31	75S	18:39	273	19:26
2024	Mar	28	(Thu)	05:36	06:23	86	12:31	75S	18:39	274	19:26
2024	Mar	29	(Fri)	05:35	06:23	86	12:31	76S	18:39	274	19:27
2024	Mar	30	(Sat)	05:34	06:22	86	12:30	76S	18:39	275	19:27
2024	Mar	31	(Sun)	05:34	06:21	85	12:30	76S	18:40	275	19:27
2024	Apr	01	(Mon)	05:33	06:20	85	12:30	77S	18:40	275	19:27
2024	Apr	02	(Tue)	05:32	06:19	84	12:30	77S	18:40	276	19:28
2024	Apr	03	(Wed)	05:31	06:18	84	12:29	78S	18:40	276	19:28
2024	Apr	04	(Thu)	05:30	06:18	84	12:29	78S	18:41	277	19:28
2024	Apr	05	(Fri)	05:29	06:17	83	12:29	78S	18:41	277	19:28
2024	Apr	06	(Sat)	05:28	06:16	83	12:28	79S	18:41	277	19:29
2024	Apr	07	(Sun)	05:28	06:15	82	12:28	79S	18:41	278	19:29
2024	Apr	08	(Mon)	05:27	06:14	82	12:28	80S	18:41	278	19:29
2024	Apr	09	(Tue)	05:26	06:14	82	12:28	80S	18:42	279	19:30
2024	Apr	10	(Wed)	05:25	06:13	81	12:27	80S	18:42	279	19:30
2024	Apr	11	(Thu)	05:24	06:12	81	12:27	81S	18:42	279	19:30
2024	Apr	12	(Fri)	05:23	06:11	80	12:27	81S	18:42	280	19:31
2024	Apr	13	(Sat)	05:23	06:11	80	12:27	81S	18:43	280	19:31
2024	Apr	14	(Sun)	05:22	06:10	80	12:26	82S	18:43	281	19:31
2024	Apr	15	(Mon)	05:21	06:09	79	12:26	82S	18:43	281	19:32
2024	Apr	16	(Tue)	05:20	06:08	79	12:26	82S	18:44	281	19:32
2024	Apr	17	(Wed)	05:19	06:08	79	12:26	83S	18:44	282	19:32
2024	Apr	18	(Thu)	05:18	06:07	78	12:25	83S	18:44	282	19:33
2024	Apr	19	(Fri)	05:18	06:06	78	12:25	83S	18:44	282	19:33
2024	Apr	20	(Sat)	05:17	06:06	77	12:25	84S	18:45	283	19:33
2024	Apr	21	(Sun)	05:16	06:05	77	12:25	84S	18:45	283	19:34
2024	Apr	22	(Mon)	05:15	06:04	77	12:25	85S	18:45	283	19:34
2024	Apr	23	(Tue)	05:15	06:04	76	12:24	85S	18:45	284	19:34
2024	Apr	24	(Wed)	05:14	06:03	76	12:24	85S	18:46	284	19:35
2024	Apr	25	(Thu)	05:13	06:02	76	12:24	85S	18:46	284	19:35
2024	Apr	26	(Fri)	05:12	06:02	75	12:24	86S	18:46	285	19:36
2024	Apr	27	(Sat)	05:12	06:01	75	12:24	86S	18:47	285	19:36
2024	Apr	28	(Sun)	05:11	06:00	75	12:24	86S	18:47	285	19:36
2024	Apr	29	(Mon)	05:10	06:00	74	12:23	87S	18:47	286	19:37
2024	Apr	30	(Tue)	05:10	05:59	74	12:23	87S	18:48	286	19:37
2024	May	01	(Wed)	05:09	05:59	74	12:23	87S	18:48	286	19:38

2024	May	02	(Thu)	05:08	05:58	73	12:23	88S	18:48	287	19:38
2024	May	03	(Fri)	05:08	05:58	73	12:23	88S	18:49	287	19:38
2024	May	04	(Sat)	05:07	05:57	73	12:23	88S	18:49	287	19:39
2024	May	05	(Sun)	05:06	05:56	72	12:23	89S	18:49	288	19:39
2024	May	06	(Mon)	05:06	05:56	72	12:23	89S	18:50	288	19:40
2024	May	07	(Tue)	05:05	05:55	72	12:23	89S	18:50	288	19:40
2024	May	08	(Wed)	05:05	05:55	72	12:23	89S	18:50	289	19:41
2024	May	09	(Thu)	05:04	05:55	71	12:23	90S	18:51	289	19:41
2024	May	10	(Fri)	05:04	05:54	71	12:22	90S	18:51	289	19:42
2024	May	11	(Sat)	05:03	05:54	71	12:22	90S	18:51	289	19:42
2024	May	12	(Sun)	05:03	05:53	70	12:22	90S	18:52	290	19:43
2024	May	13	(Mon)	05:02	05:53	70	12:22	91S	18:52	290	19:43
2024	May	14	(Tue)	05:02	05:53	70	12:22	91N	18:52	290	19:43
2024	May	15	(Wed)	05:01	05:52	70	12:22	90N	18:53	290	19:44
2024	May	16	(Thu)	05:01	05:52	69	12:22	90N	18:53	291	19:44
2024	May	17	(Fri)	05:00	05:52	69	12:22	90N	18:54	291	19:45
2024	May	18	(Sat)	05:00	05:51	69	12:23	90N	18:54	291	19:45
2024	May	19	(Sun)	05:00	05:51	69	12:23	89N	18:54	291	19:46
2024	May	20	(Mon)	04:59	05:51	69	12:23	89N	18:55	292	19:46
2024	May	21	(Tue)	04:59	05:50	68	12:23	89N	18:55	292	19:47
2024	May	22	(Wed)	04:59	05:50	68	12:23	89N	18:56	292	19:47
2024	May	23	(Thu)	04:58	05:50	68	12:23	89N	18:56	292	19:48
2024	May	24	(Fri)	04:58	05:50	68	12:23	88N	18:56	292	19:48
2024	May	25	(Sat)	04:58	05:50	67	12:23	88N	18:57	293	19:49
2024	May	26	(Sun)	04:57	05:49	67	12:23	88N	18:57	293	19:49
2024	May	27	(Mon)	04:57	05:49	67	12:23	88N	18:57	293	19:50
2024	May	28	(Tue)	04:57	05:49	67	12:23	88N	18:58	293	19:50
2024	May	29	(Wed)	04:57	05:49	67	12:24	88N	18:58	293	19:50
2024	May	30	(Thu)	04:57	05:49	67	12:24	87N	18:59	293	19:51
2024	May	31	(Fri)	04:56	05:49	66	12:24	87N	18:59	294	19:51
2024	Jun	01	(Sat)	04:56	05:49	66	12:24	87N	18:59	294	19:52
2024	Jun	02	(Sun)	04:56	05:49	66	12:24	87N	19:00	294	19:52
2024	Jun	03	(Mon)	04:56	05:49	66	12:24	87N	19:00	294	19:53
2024	Jun	04	(Tue)	04:56	05:49	66	12:24	87N	19:00	294	19:53
2024	Jun	05	(Wed)	04:56	05:49	66	12:25	87N	19:01	294	19:53
2024	Jun	06	(Thu)	04:56	05:49	66	12:25	87N	19:01	294	19:54
2024	Jun	07	(Fri)	04:56	05:49	66	12:25	87N	19:01	294	19:54
2024	Jun	08	(Sat)	04:56	05:49	65	12:25	86N	19:02	295	19:55
2024	Jun	09	(Sun)	04:56	05:49	65	12:25	86N	19:02	295	19:55
2024	Jun	10	(Mon)	04:56	05:49	65	12:26	86N	19:02	295	19:55
2024	Jun	11	(Tue)	04:56	05:49	65	12:26	86N	19:03	295	19:56
2024	Jun	12	(Wed)	04:56	05:49	65	12:26	86N	19:03	295	19:56
2024	Jun	13	(Thu)	04:56	05:49	65	12:26	86N	19:03	295	19:56
2024	Jun	14	(Fri)	04:56	05:49	65	12:26	86N	19:04	295	19:57
2024	Jun	15	(Sat)	04:56	05:49	65	12:27	86N	19:04	295	19:57
2024	Jun	16	(Sun)	04:56	05:50	65	12:27	86N	19:04	295	19:57
2024	Jun	17	(Mon)	04:57	05:50	65	12:27	86N	19:04	295	19:58
2024	Jun	18	(Tue)	04:57	05:50	65	12:27	86N	19:05	295	19:58
2024	Jun	19	(Wed)	04:57	05:50	65	12:28	86N	19:05	295	19:58
2024	Jun	20	(Thu)	04:57	05:50	65	12:28	86N	19:05	295	19:58
2024	Jun	21	(Fri)	04:57	05:50	65	12:28	86N	19:05	295	19:59
2024	Jun	22	(Sat)	04:58	05:51	65	12:28	86N	19:06	295	19:59
2024	Jun	23	(Sun)	04:58	05:51	65	12:28	86N	19:06	295	19:59
2024	Jun	24	(Mon)	04:58	05:51	65	12:29	86N	19:06	295	19:59
2024	Jun	25	(Tue)	04:58	05:51	65	12:29	86N	19:06	295	19:59
2024	Jun	26	(Wed)	04:59	05:52	65	12:29	86N	19:06	295	19:59
2024	Jun	27	(Thu)	04:59	05:52	65	12:29	86N	19:06	295	19:59
2024	Jun	28	(Fri)	04:59	05:52	65	12:29	86N	19:07	295	20:00
2024	Jun	29	(Sat)	05:00	05:53	65	12:30	86N	19:07	295	20:00
2024	Jun	30	(Sun)	05:00	05:53	65	12:30	86N	19:07	295	20:00
2024	Jul	01	(Mon)	05:00	05:53	65	12:30	86N	19:07	295	20:00
2024	Jul	02	(Tue)	05:01	05:53	65	12:30	86N	19:07	295	20:00
2024	Jul	03	(Wed)	05:01	05:54	65	12:30	86N	19:07	295	20:00
2024	Jul	04	(Thu)	05:01	05:54	66	12:31	86N	19:07	294	20:00
2024	Jul	05	(Fri)	05:02	05:54	66	12:31	87N	19:07	294	20:00
2024	Jul	06	(Sat)	05:02	05:55	66	12:31	87N	19:07	294	20:00
2024	Jul	07	(Sun)	05:02	05:55	66	12:31	87N	19:07	294	20:00

2024	Jul	08	(Mon)	05:03	05:55	66	12:31	87N	19:07	294	20:00
2024	Jul	09	(Tue)	05:03	05:56	66	12:31	87N	19:07	294	19:59
2024	Jul	10	(Wed)	05:04	05:56	66	12:32	87N	19:07	294	19:59
2024	Jul	11	(Thu)	05:04	05:56	66	12:32	87N	19:07	294	19:59
2024	Jul	12	(Fri)	05:04	05:57	66	12:32	87N	19:07	293	19:59
2024	Jul	13	(Sat)	05:05	05:57	67	12:32	88N	19:07	293	19:59
2024	Jul	14	(Sun)	05:05	05:58	67	12:32	88N	19:06	293	19:59
2024	Jul	15	(Mon)	05:06	05:58	67	12:32	88N	19:06	293	19:58
2024	Jul	16	(Tue)	05:06	05:58	67	12:32	88N	19:06	293	19:58
2024	Jul	17	(Wed)	05:07	05:59	67	12:32	88N	19:06	293	19:58
2024	Jul	18	(Thu)	05:07	05:59	68	12:32	88N	19:06	292	19:58
2024	Jul	19	(Fri)	05:07	05:59	68	12:32	89N	19:05	292	19:57
2024	Jul	20	(Sat)	05:08	06:00	68	12:32	89N	19:05	292	19:57
2024	Jul	21	(Sun)	05:08	06:00	68	12:33	89N	19:05	292	19:57
2024	Jul	22	(Mon)	05:09	06:00	68	12:33	89N	19:05	292	19:56
2024	Jul	23	(Tue)	05:09	06:01	69	12:33	89N	19:04	291	19:56
2024	Jul	24	(Wed)	05:10	06:01	69	12:33	90N	19:04	291	19:55
2024	Jul	25	(Thu)	05:10	06:01	69	12:33	90N	19:04	291	19:55
2024	Jul	26	(Fri)	05:10	06:02	69	12:33	90N	19:03	291	19:55
2024	Jul	27	(Sat)	05:11	06:02	69	12:33	90N	19:03	290	19:54
2024	Jul	28	(Sun)	05:11	06:02	70	12:33	90N	19:03	290	19:54
2024	Jul	29	(Mon)	05:12	06:03	70	12:33	91N	19:02	290	19:53
2024	Jul	30	(Tue)	05:12	06:03	70	12:33	91S	19:02	290	19:53
2024	Jul	31	(Wed)	05:13	06:03	70	12:32	90S	19:01	289	19:52
2024	Aug	01	(Thu)	05:13	06:04	71	12:32	90S	19:01	289	19:51
2024	Aug	02	(Fri)	05:13	06:04	71	12:32	90S	19:00	289	19:51
2024	Aug	03	(Sat)	05:14	06:04	71	12:32	89S	19:00	289	19:50
2024	Aug	04	(Sun)	05:14	06:05	72	12:32	89S	18:59	288	19:50
2024	Aug	05	(Mon)	05:15	06:05	72	12:32	89S	18:59	288	19:49
2024	Aug	06	(Tue)	05:15	06:05	72	12:32	89S	18:58	288	19:49
2024	Aug	07	(Wed)	05:15	06:06	72	12:32	88S	18:58	287	19:48
2024	Aug	08	(Thu)	05:16	06:06	73	12:32	88S	18:57	287	19:47
2024	Aug	09	(Fri)	05:16	06:06	73	12:32	88S	18:57	287	19:47
2024	Aug	10	(Sat)	05:17	06:06	73	12:31	88S	18:56	286	19:46
2024	Aug	11	(Sun)	05:17	06:07	74	12:31	87S	18:56	286	19:45
2024	Aug	12	(Mon)	05:17	06:07	74	12:31	87S	18:55	286	19:45
2024	Aug	13	(Tue)	05:18	06:07	74	12:31	87S	18:54	286	19:44
2024	Aug	14	(Wed)	05:18	06:07	75	12:31	86S	18:54	285	19:43
2024	Aug	15	(Thu)	05:18	06:08	75	12:31	86S	18:53	285	19:42
2024	Aug	16	(Fri)	05:19	06:08	75	12:30	86S	18:52	285	19:42
2024	Aug	17	(Sat)	05:19	06:08	76	12:30	85S	18:52	284	19:41
2024	Aug	18	(Sun)	05:19	06:08	76	12:30	85S	18:51	284	19:40
2024	Aug	19	(Mon)	05:20	06:09	76	12:30	85S	18:50	284	19:39
2024	Aug	20	(Tue)	05:20	06:09	77	12:29	84S	18:50	283	19:38
2024	Aug	21	(Wed)	05:20	06:09	77	12:29	84S	18:49	283	19:38
2024	Aug	22	(Thu)	05:21	06:09	77	12:29	84S	18:48	282	19:37
2024	Aug	23	(Fri)	05:21	06:10	78	12:29	83S	18:47	282	19:36
2024	Aug	24	(Sat)	05:21	06:10	78	12:28	83S	18:47	282	19:35
2024	Aug	25	(Sun)	05:22	06:10	78	12:28	83S	18:46	281	19:34
2024	Aug	26	(Mon)	05:22	06:10	79	12:28	82S	18:45	281	19:33
2024	Aug	27	(Tue)	05:22	06:10	79	12:28	82S	18:44	281	19:33
2024	Aug	28	(Wed)	05:22	06:11	80	12:27	82S	18:44	280	19:32
2024	Aug	29	(Thu)	05:23	06:11	80	12:27	81S	18:43	280	19:31
2024	Aug	30	(Fri)	05:23	06:11	80	12:27	81S	18:42	279	19:30
2024	Aug	31	(Sat)	05:23	06:11	81	12:26	81S	18:41	279	19:29
2024	Sep	01	(Sun)	05:23	06:11	81	12:26	80S	18:40	279	19:28
2024	Sep	02	(Mon)	05:24	06:12	81	12:26	80S	18:39	278	19:27
2024	Sep	03	(Tue)	05:24	06:12	82	12:25	79S	18:39	278	19:26
2024	Sep	04	(Wed)	05:24	06:12	82	12:25	79S	18:38	278	19:26
2024	Sep	05	(Thu)	05:24	06:12	83	12:25	79S	18:37	277	19:25
2024	Sep	06	(Fri)	05:25	06:12	83	12:24	78S	18:36	277	19:24
2024	Sep	07	(Sat)	05:25	06:12	83	12:24	78S	18:35	276	19:23
2024	Sep	08	(Sun)	05:25	06:13	84	12:24	78S	18:34	276	19:22
2024	Sep	09	(Mon)	05:25	06:13	84	12:23	77S	18:34	276	19:21
2024	Sep	10	(Tue)	05:25	06:13	85	12:23	77S	18:33	275	19:20
2024	Sep	11	(Wed)	05:26	06:13	85	12:23	76S	18:32	275	19:19
2024	Sep	12	(Thu)	05:26	06:13	85	12:22	76S	18:31	274	19:18

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

2024	Nov	19	(Tue)	05:45	06:35	110	12:11	53S	17:48	250	18:37
2024	Nov	20	(Wed)	05:46	06:36	111	12:12	52S	17:48	249	18:37
2024	Nov	21	(Thu)	05:46	06:36	111	12:12	52S	17:48	249	18:37
2024	Nov	22	(Fri)	05:47	06:37	111	12:12	52S	17:48	249	18:37
2024	Nov	23	(Sat)	05:47	06:37	111	12:13	52S	17:48	249	18:37
2024	Nov	24	(Sun)	05:48	06:38	111	12:13	51S	17:48	248	18:38
2024	Nov	25	(Mon)	05:48	06:39	112	12:13	51S	17:48	248	18:38
2024	Nov	26	(Tue)	05:49	06:39	112	12:13	51S	17:48	248	18:38
2024	Nov	27	(Wed)	05:50	06:40	112	12:14	51S	17:48	248	18:38
2024	Nov	28	(Thu)	05:50	06:40	112	12:14	51S	17:48	248	18:38
2024	Nov	29	(Fri)	05:51	06:41	112	12:14	51S	17:48	247	18:38
2024	Nov	30	(Sat)	05:51	06:42	113	12:15	50S	17:48	247	18:38
2024	Dec	01	(Sun)	05:52	06:42	113	12:15	50S	17:48	247	18:38
2024	Dec	02	(Mon)	05:52	06:43	113	12:16	50S	17:48	247	18:39
2024	Dec	03	(Tue)	05:53	06:43	113	12:16	50S	17:48	247	18:39
2024	Dec	04	(Wed)	05:53	06:44	113	12:16	50S	17:49	247	18:39
2024	Dec	05	(Thu)	05:54	06:45	113	12:17	50S	17:49	247	18:39
2024	Dec	06	(Fri)	05:55	06:45	114	12:17	50S	17:49	246	18:40
2024	Dec	07	(Sat)	05:55	06:46	114	12:18	49S	17:49	246	18:40
2024	Dec	08	(Sun)	05:56	06:46	114	12:18	49S	17:50	246	18:40
2024	Dec	09	(Mon)	05:56	06:47	114	12:18	49S	17:50	246	18:41
2024	Dec	10	(Tue)	05:57	06:48	114	12:19	49S	17:50	246	18:41
2024	Dec	11	(Wed)	05:57	06:48	114	12:19	49S	17:51	246	18:41
2024	Dec	12	(Thu)	05:58	06:49	114	12:20	49S	17:51	246	18:42
2024	Dec	13	(Fri)	05:58	06:49	114	12:20	49S	17:51	246	18:42
2024	Dec	14	(Sat)	05:59	06:50	114	12:21	49S	17:52	246	18:43
2024	Dec	15	(Sun)	06:00	06:51	114	12:21	49S	17:52	246	18:43
2024	Dec	16	(Mon)	06:00	06:51	114	12:22	49S	17:52	246	18:43
2024	Dec	17	(Tue)	06:01	06:52	114	12:22	49S	17:53	246	18:44
2024	Dec	18	(Wed)	06:01	06:52	114	12:23	49S	17:53	246	18:44
2024	Dec	19	(Thu)	06:02	06:53	114	12:23	49S	17:54	246	18:45
2024	Dec	20	(Fri)	06:02	06:53	114	12:24	49S	17:54	246	18:45
2024	Dec	21	(Sat)	06:03	06:54	115	12:24	49S	17:55	245	18:46
2024	Dec	22	(Sun)	06:03	06:54	115	12:25	49S	17:55	246	18:46
2024	Dec	23	(Mon)	06:04	06:55	114	12:25	49S	17:56	246	18:47
2024	Dec	24	(Tue)	06:04	06:55	114	12:26	49S	17:56	246	18:47
2024	Dec	25	(Wed)	06:05	06:56	114	12:26	49S	17:57	246	18:48
2024	Dec	26	(Thu)	06:05	06:56	114	12:27	49S	17:57	246	18:48
2024	Dec	27	(Fri)	06:06	06:57	114	12:27	49S	17:58	246	18:49
2024	Dec	28	(Sat)	06:06	06:57	114	12:28	49S	17:59	246	18:49
2024	Dec	29	(Sun)	06:06	06:57	114	12:28	49S	17:59	246	18:50
2024	Dec	30	(Mon)	06:07	06:58	114	12:29	49S	18:00	246	18:51
2024	Dec	31	(Tue)	06:07	06:58	114	12:29	49S	18:00	246	18:51

Sun

VTNI

Location: E 98°29'00.0", N18°35'00.0", 8530m
(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)	06:34	06:58	114	12:29	49S	18:00	246	18:24
2024	Jan	02	(Tue)	06:35	06:59	114	12:30	49S	18:01	246	18:25
2024	Jan	03	(Wed)	06:35	06:59	114	12:30	49S	18:02	246	18:25
2024	Jan	04	(Thu)	06:36	06:59	114	12:31	49S	18:02	246	18:26
2024	Jan	05	(Fri)	06:36	06:59	114	12:31	49S	18:03	246	18:26
2024	Jan	06	(Sat)	06:36	07:00	114	12:32	50S	18:03	246	18:27
2024	Jan	07	(Sun)	06:36	07:00	113	12:32	50S	18:04	247	18:28
2024	Jan	08	(Mon)	06:37	07:00	113	12:32	50S	18:05	247	18:28
2024	Jan	09	(Tue)	06:37	07:00	113	12:33	50S	18:05	247	18:29
2024	Jan	10	(Wed)	06:37	07:01	113	12:33	50S	18:06	247	18:30
2024	Jan	11	(Thu)	06:37	07:01	113	12:34	50S	18:07	247	18:30

2024	Jan	12	(Fri)	06:38	07:01	113	12:34	50S	18:07	247	18:31
2024	Jan	13	(Sat)	06:38	07:01	113	12:34	51S	18:08	248	18:31
2024	Jan	14	(Sun)	06:38	07:01	112	12:35	51S	18:09	248	18:32
2024	Jan	15	(Mon)	06:38	07:01	112	12:35	51S	18:09	248	18:33
2024	Jan	16	(Tue)	06:38	07:01	112	12:36	51S	18:10	248	18:33
2024	Jan	17	(Wed)	06:38	07:01	112	12:36	51S	18:10	248	18:34
2024	Jan	18	(Thu)	06:38	07:02	112	12:36	51S	18:11	249	18:34
2024	Jan	19	(Fri)	06:38	07:02	111	12:37	52S	18:12	249	18:35
2024	Jan	20	(Sat)	06:38	07:02	111	12:37	52S	18:12	249	18:36
2024	Jan	21	(Sun)	06:38	07:01	111	12:37	52S	18:13	249	18:36
2024	Jan	22	(Mon)	06:38	07:01	111	12:37	52S	18:14	249	18:37
2024	Jan	23	(Tue)	06:38	07:01	110	12:38	53S	18:14	250	18:37
2024	Jan	24	(Wed)	06:38	07:01	110	12:38	53S	18:15	250	18:38
2024	Jan	25	(Thu)	06:38	07:01	110	12:38	53S	18:15	250	18:38
2024	Jan	26	(Fri)	06:38	07:01	110	12:38	53S	18:16	250	18:39
2024	Jan	27	(Sat)	06:38	07:01	109	12:39	54S	18:17	251	18:40
2024	Jan	28	(Sun)	06:38	07:01	109	12:39	54S	18:17	251	18:40
2024	Jan	29	(Mon)	06:38	07:00	109	12:39	54S	18:18	251	18:41
2024	Jan	30	(Tue)	06:37	07:00	109	12:39	54S	18:18	252	18:41
2024	Jan	31	(Wed)	06:37	07:00	108	12:39	55S	18:19	252	18:42
2024	Feb	01	(Thu)	06:37	07:00	108	12:40	55S	18:19	252	18:42
2024	Feb	02	(Fri)	06:37	07:00	108	12:40	55S	18:20	252	18:43
2024	Feb	03	(Sat)	06:37	06:59	107	12:40	55S	18:21	253	18:43
2024	Feb	04	(Sun)	06:36	06:59	107	12:40	56S	18:21	253	18:44
2024	Feb	05	(Mon)	06:36	06:59	107	12:40	56S	18:22	253	18:44
2024	Feb	06	(Tue)	06:36	06:58	106	12:40	56S	18:22	254	18:45
2024	Feb	07	(Wed)	06:35	06:58	106	12:40	57S	18:23	254	18:45
2024	Feb	08	(Thu)	06:35	06:57	106	12:40	57S	18:23	254	18:46
2024	Feb	09	(Fri)	06:35	06:57	105	12:40	57S	18:24	255	18:46
2024	Feb	10	(Sat)	06:34	06:57	105	12:40	58S	18:24	255	18:47
2024	Feb	11	(Sun)	06:34	06:56	105	12:40	58S	18:25	255	18:47
2024	Feb	12	(Mon)	06:33	06:56	104	12:40	58S	18:25	256	18:47
2024	Feb	13	(Tue)	06:33	06:55	104	12:40	59S	18:25	256	18:48
2024	Feb	14	(Wed)	06:32	06:55	104	12:40	59S	18:26	256	18:48
2024	Feb	15	(Thu)	06:32	06:54	103	12:40	59S	18:26	257	18:49
2024	Feb	16	(Fri)	06:31	06:54	103	12:40	60S	18:27	257	18:49
2024	Feb	17	(Sat)	06:31	06:53	103	12:40	60S	18:27	258	18:49
2024	Feb	18	(Sun)	06:30	06:53	102	12:40	60S	18:28	258	18:50
2024	Feb	19	(Mon)	06:30	06:52	102	12:40	61S	18:28	258	18:50
2024	Feb	20	(Tue)	06:29	06:51	102	12:40	61S	18:28	259	18:51
2024	Feb	21	(Wed)	06:29	06:51	101	12:40	61S	18:29	259	18:51
2024	Feb	22	(Thu)	06:28	06:50	101	12:40	62S	18:29	259	18:51
2024	Feb	23	(Fri)	06:28	06:50	100	12:39	62S	18:30	260	18:52
2024	Feb	24	(Sat)	06:27	06:49	100	12:39	62S	18:30	260	18:52
2024	Feb	25	(Sun)	06:26	06:48	100	12:39	63S	18:30	261	18:52
2024	Feb	26	(Mon)	06:26	06:48	99	12:39	63S	18:31	261	18:53
2024	Feb	27	(Tue)	06:25	06:47	99	12:39	64S	18:31	261	18:53
2024	Feb	28	(Wed)	06:24	06:46	98	12:39	64S	18:31	262	18:53
2024	Feb	29	(Thu)	06:24	06:46	98	12:39	64S	18:32	262	18:54
2024	Mar	01	(Fri)	06:23	06:45	98	12:38	65S	18:32	263	18:54
2024	Mar	02	(Sat)	06:22	06:44	97	12:38	65S	18:32	263	18:54
2024	Mar	03	(Sun)	06:22	06:43	97	12:38	66S	18:33	263	18:54
2024	Mar	04	(Mon)	06:21	06:43	96	12:38	66S	18:33	264	18:55
2024	Mar	05	(Tue)	06:20	06:42	96	12:37	66S	18:33	264	18:55
2024	Mar	06	(Wed)	06:19	06:41	96	12:37	67S	18:34	265	18:55
2024	Mar	07	(Thu)	06:19	06:40	95	12:37	67S	18:34	265	18:56
2024	Mar	08	(Fri)	06:18	06:40	95	12:37	67S	18:34	265	18:56
2024	Mar	09	(Sat)	06:17	06:39	94	12:37	68S	18:34	266	18:56
2024	Mar	10	(Sun)	06:16	06:38	94	12:36	68S	18:35	266	18:56
2024	Mar	11	(Mon)	06:16	06:37	94	12:36	69S	18:35	267	18:57
2024	Mar	12	(Tue)	06:15	06:37	93	12:36	69S	18:35	267	18:57
2024	Mar	13	(Wed)	06:14	06:36	93	12:35	69S	18:35	268	18:57
2024	Mar	14	(Thu)	06:13	06:35	92	12:35	70S	18:36	268	18:57
2024	Mar	15	(Fri)	06:12	06:34	92	12:35	70S	18:36	268	18:58
2024	Mar	16	(Sat)	06:12	06:33	91	12:35	71S	18:36	269	18:58
2024	Mar	17	(Sun)	06:11	06:33	91	12:34	71S	18:36	269	18:58
2024	Mar	18	(Mon)	06:10	06:32	91	12:34	71S	18:37	270	18:58

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

2024	May	25	(Sat)	05:26	05:50	67	12:23	88N	18:57	293	19:20
2024	May	26	(Sun)	05:26	05:49	67	12:23	88N	18:57	293	19:21
2024	May	27	(Mon)	05:25	05:49	67	12:23	88N	18:57	293	19:21
2024	May	28	(Tue)	05:25	05:49	67	12:23	88N	18:58	293	19:22
2024	May	29	(Wed)	05:25	05:49	67	12:24	88N	18:58	293	19:22
2024	May	30	(Thu)	05:25	05:49	67	12:24	87N	18:59	293	19:23
2024	May	31	(Fri)	05:25	05:49	66	12:24	87N	18:59	294	19:23
2024	Jun	01	(Sat)	05:25	05:49	66	12:24	87N	18:59	294	19:23
2024	Jun	02	(Sun)	05:25	05:49	66	12:24	87N	19:00	294	19:24
2024	Jun	03	(Mon)	05:25	05:49	66	12:24	87N	19:00	294	19:24
2024	Jun	04	(Tue)	05:25	05:49	66	12:24	87N	19:00	294	19:24
2024	Jun	05	(Wed)	05:25	05:49	66	12:25	87N	19:01	294	19:25
2024	Jun	06	(Thu)	05:24	05:49	66	12:25	87N	19:01	294	19:25
2024	Jun	07	(Fri)	05:24	05:49	66	12:25	87N	19:01	294	19:26
2024	Jun	08	(Sat)	05:25	05:49	65	12:25	86N	19:02	295	19:26
2024	Jun	09	(Sun)	05:25	05:49	65	12:25	86N	19:02	295	19:26
2024	Jun	10	(Mon)	05:25	05:49	65	12:26	86N	19:02	295	19:27
2024	Jun	11	(Tue)	05:25	05:49	65	12:26	86N	19:03	295	19:27
2024	Jun	12	(Wed)	05:25	05:49	65	12:26	86N	19:03	295	19:27
2024	Jun	13	(Thu)	05:25	05:49	65	12:26	86N	19:03	295	19:28
2024	Jun	14	(Fri)	05:25	05:49	65	12:26	86N	19:04	295	19:28
2024	Jun	15	(Sat)	05:25	05:49	65	12:27	86N	19:04	295	19:28
2024	Jun	16	(Sun)	05:25	05:50	65	12:27	86N	19:04	295	19:28
2024	Jun	17	(Mon)	05:25	05:50	65	12:27	86N	19:04	295	19:29
2024	Jun	18	(Tue)	05:26	05:50	65	12:27	86N	19:05	295	19:29
2024	Jun	19	(Wed)	05:26	05:50	65	12:28	86N	19:05	295	19:29
2024	Jun	20	(Thu)	05:26	05:50	65	12:28	86N	19:05	295	19:29
2024	Jun	21	(Fri)	05:26	05:50	65	12:28	86N	19:05	295	19:30
2024	Jun	22	(Sat)	05:26	05:51	65	12:28	86N	19:06	295	19:30
2024	Jun	23	(Sun)	05:27	05:51	65	12:28	86N	19:06	295	19:30
2024	Jun	24	(Mon)	05:27	05:51	65	12:29	86N	19:06	295	19:30
2024	Jun	25	(Tue)	05:27	05:51	65	12:29	86N	19:06	295	19:30
2024	Jun	26	(Wed)	05:27	05:52	65	12:29	86N	19:06	295	19:31
2024	Jun	27	(Thu)	05:28	05:52	65	12:29	86N	19:06	295	19:31
2024	Jun	28	(Fri)	05:28	05:52	65	12:29	86N	19:07	295	19:31
2024	Jun	29	(Sat)	05:28	05:53	65	12:30	86N	19:07	295	19:31
2024	Jun	30	(Sun)	05:29	05:53	65	12:30	86N	19:07	295	19:31
2024	Jul	01	(Mon)	05:29	05:53	65	12:30	86N	19:07	295	19:31
2024	Jul	02	(Tue)	05:29	05:53	65	12:30	86N	19:07	295	19:31
2024	Jul	03	(Wed)	05:30	05:54	65	12:30	86N	19:07	295	19:31
2024	Jul	04	(Thu)	05:30	05:54	66	12:31	86N	19:07	294	19:31
2024	Jul	05	(Fri)	05:30	05:54	66	12:31	87N	19:07	294	19:31
2024	Jul	06	(Sat)	05:31	05:55	66	12:31	87N	19:07	294	19:31
2024	Jul	07	(Sun)	05:31	05:55	66	12:31	87N	19:07	294	19:31
2024	Jul	08	(Mon)	05:31	05:55	66	12:31	87N	19:07	294	19:31
2024	Jul	09	(Tue)	05:32	05:56	66	12:31	87N	19:07	294	19:31
2024	Jul	10	(Wed)	05:32	05:56	66	12:32	87N	19:07	294	19:31
2024	Jul	11	(Thu)	05:32	05:56	66	12:32	87N	19:07	294	19:31
2024	Jul	12	(Fri)	05:33	05:57	66	12:32	87N	19:07	293	19:31
2024	Jul	13	(Sat)	05:33	05:57	67	12:32	88N	19:07	293	19:30
2024	Jul	14	(Sun)	05:34	05:58	67	12:32	88N	19:06	293	19:30
2024	Jul	15	(Mon)	05:34	05:58	67	12:32	88N	19:06	293	19:30
2024	Jul	16	(Tue)	05:34	05:58	67	12:32	88N	19:06	293	19:30
2024	Jul	17	(Wed)	05:35	05:59	67	12:32	88N	19:06	293	19:30
2024	Jul	18	(Thu)	05:35	05:59	68	12:32	88N	19:06	292	19:29
2024	Jul	19	(Fri)	05:36	05:59	68	12:32	89N	19:05	292	19:29
2024	Jul	20	(Sat)	05:36	06:00	68	12:32	89N	19:05	292	19:29
2024	Jul	21	(Sun)	05:36	06:00	68	12:33	89N	19:05	292	19:29
2024	Jul	22	(Mon)	05:37	06:00	68	12:33	89N	19:05	292	19:28
2024	Jul	23	(Tue)	05:37	06:01	69	12:33	89N	19:04	291	19:28
2024	Jul	24	(Wed)	05:37	06:01	69	12:33	90N	19:04	291	19:28
2024	Jul	25	(Thu)	05:38	06:01	69	12:33	90N	19:04	291	19:27
2024	Jul	26	(Fri)	05:38	06:02	69	12:33	90N	19:03	291	19:27
2024	Jul	27	(Sat)	05:39	06:02	69	12:33	90N	19:03	290	19:26
2024	Jul	28	(Sun)	05:39	06:02	70	12:33	90N	19:03	290	19:26
2024	Jul	29	(Mon)	05:39	06:03	70	12:33	91N	19:02	290	19:26
2024	Jul	30	(Tue)	05:40	06:03	70	12:33	91S	19:02	290	19:25

2024	Jul	31	(Wed)	05:40	06:03	70	12:32	90S	19:01	289	19:25
2024	Aug	01	(Thu)	05:40	06:04	71	12:32	90S	19:01	289	19:24
2024	Aug	02	(Fri)	05:41	06:04	71	12:32	90S	19:00	289	19:24
2024	Aug	03	(Sat)	05:41	06:04	71	12:32	89S	19:00	289	19:23
2024	Aug	04	(Sun)	05:42	06:05	72	12:32	89S	18:59	288	19:23
2024	Aug	05	(Mon)	05:42	06:05	72	12:32	89S	18:59	288	19:22
2024	Aug	06	(Tue)	05:42	06:05	72	12:32	89S	18:58	288	19:21
2024	Aug	07	(Wed)	05:43	06:06	72	12:32	88S	18:58	287	19:21
2024	Aug	08	(Thu)	05:43	06:06	73	12:32	88S	18:57	287	19:20
2024	Aug	09	(Fri)	05:43	06:06	73	12:32	88S	18:57	287	19:20
2024	Aug	10	(Sat)	05:44	06:06	73	12:31	88S	18:56	286	19:19
2024	Aug	11	(Sun)	05:44	06:07	74	12:31	87S	18:56	286	19:18
2024	Aug	12	(Mon)	05:44	06:07	74	12:31	87S	18:55	286	19:18
2024	Aug	13	(Tue)	05:44	06:07	74	12:31	87S	18:54	286	19:17
2024	Aug	14	(Wed)	05:45	06:07	75	12:31	86S	18:54	285	19:16
2024	Aug	15	(Thu)	05:45	06:08	75	12:31	86S	18:53	285	19:16
2024	Aug	16	(Fri)	05:45	06:08	75	12:30	86S	18:52	285	19:15
2024	Aug	17	(Sat)	05:46	06:08	76	12:30	85S	18:52	284	19:14
2024	Aug	18	(Sun)	05:46	06:08	76	12:30	85S	18:51	284	19:14
2024	Aug	19	(Mon)	05:46	06:09	76	12:30	85S	18:50	284	19:13
2024	Aug	20	(Tue)	05:46	06:09	77	12:29	84S	18:50	283	19:12
2024	Aug	21	(Wed)	05:47	06:09	77	12:29	84S	18:49	283	19:11
2024	Aug	22	(Thu)	05:47	06:09	77	12:29	84S	18:48	282	19:11
2024	Aug	23	(Fri)	05:47	06:10	78	12:29	83S	18:47	282	19:10
2024	Aug	24	(Sat)	05:47	06:10	78	12:28	83S	18:47	282	19:09
2024	Aug	25	(Sun)	05:48	06:10	78	12:28	83S	18:46	281	19:08
2024	Aug	26	(Mon)	05:48	06:10	79	12:28	82S	18:45	281	19:07
2024	Aug	27	(Tue)	05:48	06:10	79	12:28	82S	18:44	281	19:07
2024	Aug	28	(Wed)	05:48	06:11	80	12:27	82S	18:44	280	19:06
2024	Aug	29	(Thu)	05:49	06:11	80	12:27	81S	18:43	280	19:05
2024	Aug	30	(Fri)	05:49	06:11	80	12:27	81S	18:42	279	19:04
2024	Aug	31	(Sat)	05:49	06:11	81	12:26	81S	18:41	279	19:03
2024	Sep	01	(Sun)	05:49	06:11	81	12:26	80S	18:40	279	19:02
2024	Sep	02	(Mon)	05:50	06:12	81	12:26	80S	18:39	278	19:02
2024	Sep	03	(Tue)	05:50	06:12	82	12:25	79S	18:39	278	19:01
2024	Sep	04	(Wed)	05:50	06:12	82	12:25	79S	18:38	278	19:00
2024	Sep	05	(Thu)	05:50	06:12	83	12:25	79S	18:37	277	18:59
2024	Sep	06	(Fri)	05:50	06:12	83	12:24	78S	18:36	277	18:58
2024	Sep	07	(Sat)	05:51	06:12	83	12:24	78S	18:35	276	18:57
2024	Sep	08	(Sun)	05:51	06:13	84	12:24	78S	18:34	276	18:56
2024	Sep	09	(Mon)	05:51	06:13	84	12:23	77S	18:34	276	18:55
2024	Sep	10	(Tue)	05:51	06:13	85	12:23	77S	18:33	275	18:55
2024	Sep	11	(Wed)	05:51	06:13	85	12:23	76S	18:32	275	18:54
2024	Sep	12	(Thu)	05:51	06:13	85	12:22	76S	18:31	274	18:53
2024	Sep	13	(Fri)	05:52	06:13	86	12:22	76S	18:30	274	18:52
2024	Sep	14	(Sat)	05:52	06:14	86	12:22	75S	18:29	274	18:51
2024	Sep	15	(Sun)	05:52	06:14	87	12:21	75S	18:28	273	18:50
2024	Sep	16	(Mon)	05:52	06:14	87	12:21	75S	18:27	273	18:49
2024	Sep	17	(Tue)	05:52	06:14	87	12:20	74S	18:27	272	18:48
2024	Sep	18	(Wed)	05:52	06:14	88	12:20	74S	18:26	272	18:47
2024	Sep	19	(Thu)	05:53	06:14	88	12:20	73S	18:25	272	18:47
2024	Sep	20	(Fri)	05:53	06:15	89	12:19	73S	18:24	271	18:46
2024	Sep	21	(Sat)	05:53	06:15	89	12:19	73S	18:23	271	18:45
2024	Sep	22	(Sun)	05:53	06:15	89	12:19	72S	18:22	270	18:44
2024	Sep	23	(Mon)	05:53	06:15	90	12:18	72S	18:21	270	18:43
2024	Sep	24	(Tue)	05:54	06:15	90	12:18	71S	18:20	269	18:42
2024	Sep	25	(Wed)	05:54	06:15	91	12:18	71S	18:20	269	18:41
2024	Sep	26	(Thu)	05:54	06:16	91	12:17	71S	18:19	269	18:40
2024	Sep	27	(Fri)	05:54	06:16	92	12:17	70S	18:18	268	18:40
2024	Sep	28	(Sat)	05:54	06:16	92	12:17	70S	18:17	268	18:39
2024	Sep	29	(Sun)	05:54	06:16	92	12:16	70S	18:16	267	18:38
2024	Sep	30	(Mon)	05:55	06:16	93	12:16	69S	18:15	267	18:37
2024	Oct	01	(Tue)	05:55	06:17	93	12:16	69S	18:14	267	18:36
2024	Oct	02	(Wed)	05:55	06:17	94	12:15	68S	18:14	266	18:35
2024	Oct	03	(Thu)	05:55	06:17	94	12:15	68S	18:13	266	18:35
2024	Oct	04	(Fri)	05:55	06:17	94	12:15	68S	18:12	265	18:34
2024	Oct	05	(Sat)	05:56	06:17	95	12:14	67S	18:11	265	18:33

2024	Oct	06	(Sun)	05:56	06:18	95	12:14	67S	18:10	265	18:32
2024	Oct	07	(Mon)	05:56	06:18	96	12:14	66S	18:10	264	18:31
2024	Oct	08	(Tue)	05:56	06:18	96	12:14	66S	18:09	264	18:31
2024	Oct	09	(Wed)	05:56	06:18	96	12:13	66S	18:08	263	18:30
2024	Oct	10	(Thu)	05:57	06:19	97	12:13	65S	18:07	263	18:29
2024	Oct	11	(Fri)	05:57	06:19	97	12:13	65S	18:06	263	18:28
2024	Oct	12	(Sat)	05:57	06:19	98	12:12	65S	18:06	262	18:28
2024	Oct	13	(Sun)	05:57	06:19	98	12:12	64S	18:05	262	18:27
2024	Oct	14	(Mon)	05:58	06:20	98	12:12	64S	18:04	261	18:26
2024	Oct	15	(Tue)	05:58	06:20	99	12:12	63S	18:03	261	18:25
2024	Oct	16	(Wed)	05:58	06:20	99	12:12	63S	18:03	261	18:25
2024	Oct	17	(Thu)	05:58	06:21	100	12:11	63S	18:02	260	18:24
2024	Oct	18	(Fri)	05:59	06:21	100	12:11	62S	18:01	260	18:23
2024	Oct	19	(Sat)	05:59	06:21	100	12:11	62S	18:01	259	18:23
2024	Oct	20	(Sun)	05:59	06:21	101	12:11	62S	18:00	259	18:22
2024	Oct	21	(Mon)	06:00	06:22	101	12:11	61S	17:59	259	18:21
2024	Oct	22	(Tue)	06:00	06:22	101	12:10	61S	17:59	258	18:21
2024	Oct	23	(Wed)	06:00	06:22	102	12:10	61S	17:58	258	18:20
2024	Oct	24	(Thu)	06:01	06:23	102	12:10	60S	17:57	258	18:20
2024	Oct	25	(Fri)	06:01	06:23	103	12:10	60S	17:57	257	18:19
2024	Oct	26	(Sat)	06:01	06:24	103	12:10	60S	17:56	257	18:19
2024	Oct	27	(Sun)	06:02	06:24	103	12:10	59S	17:56	257	18:18
2024	Oct	28	(Mon)	06:02	06:24	104	12:10	59S	17:55	256	18:17
2024	Oct	29	(Tue)	06:02	06:25	104	12:10	59S	17:55	256	18:17
2024	Oct	30	(Wed)	06:03	06:25	104	12:10	58S	17:54	255	18:16
2024	Oct	31	(Thu)	06:03	06:26	105	12:10	58S	17:54	255	18:16
2024	Nov	01	(Fri)	06:03	06:26	105	12:10	58S	17:53	255	18:16
2024	Nov	02	(Sat)	06:04	06:26	105	12:10	57S	17:53	254	18:15
2024	Nov	03	(Sun)	06:04	06:27	106	12:10	57S	17:52	254	18:15
2024	Nov	04	(Mon)	06:05	06:27	106	12:10	57S	17:52	254	18:14
2024	Nov	05	(Tue)	06:05	06:28	106	12:10	56S	17:51	253	18:14
2024	Nov	06	(Wed)	06:06	06:28	107	12:10	56S	17:51	253	18:14
2024	Nov	07	(Thu)	06:06	06:29	107	12:10	56S	17:51	253	18:13
2024	Nov	08	(Fri)	06:06	06:29	107	12:10	55S	17:50	253	18:13
2024	Nov	09	(Sat)	06:07	06:30	108	12:10	55S	17:50	252	18:13
2024	Nov	10	(Sun)	06:07	06:30	108	12:10	55S	17:50	252	18:12
2024	Nov	11	(Mon)	06:08	06:31	108	12:10	55S	17:49	252	18:12
2024	Nov	12	(Tue)	06:08	06:31	108	12:10	54S	17:49	251	18:12
2024	Nov	13	(Wed)	06:09	06:32	109	12:10	54S	17:49	251	18:12
2024	Nov	14	(Thu)	06:09	06:32	109	12:11	54S	17:49	251	18:12
2024	Nov	15	(Fri)	06:10	06:33	109	12:11	54S	17:48	251	18:11
2024	Nov	16	(Sat)	06:10	06:33	110	12:11	53S	17:48	250	18:11
2024	Nov	17	(Sun)	06:11	06:34	110	12:11	53S	17:48	250	18:11
2024	Nov	18	(Mon)	06:11	06:34	110	12:11	53S	17:48	250	18:11
2024	Nov	19	(Tue)	06:12	06:35	110	12:11	53S	17:48	250	18:11
2024	Nov	20	(Wed)	06:12	06:36	111	12:12	52S	17:48	249	18:11
2024	Nov	21	(Thu)	06:13	06:36	111	12:12	52S	17:48	249	18:11
2024	Nov	22	(Fri)	06:14	06:37	111	12:12	52S	17:48	249	18:11
2024	Nov	23	(Sat)	06:14	06:37	111	12:13	52S	17:48	249	18:11
2024	Nov	24	(Sun)	06:15	06:38	111	12:13	51S	17:48	248	18:11
2024	Nov	25	(Mon)	06:15	06:39	112	12:13	51S	17:48	248	18:11
2024	Nov	26	(Tue)	06:16	06:39	112	12:13	51S	17:48	248	18:11
2024	Nov	27	(Wed)	06:16	06:40	112	12:14	51S	17:48	248	18:11
2024	Nov	28	(Thu)	06:17	06:40	112	12:14	51S	17:48	248	18:11
2024	Nov	29	(Fri)	06:18	06:41	112	12:14	51S	17:48	247	18:11
2024	Nov	30	(Sat)	06:18	06:42	113	12:15	50S	17:48	247	18:11
2024	Dec	01	(Sun)	06:19	06:42	113	12:15	50S	17:48	247	18:11
2024	Dec	02	(Mon)	06:19	06:43	113	12:16	50S	17:48	247	18:12
2024	Dec	03	(Tue)	06:20	06:43	113	12:16	50S	17:48	247	18:12
2024	Dec	04	(Wed)	06:20	06:44	113	12:16	50S	17:49	247	18:12
2024	Dec	05	(Thu)	06:21	06:45	113	12:17	50S	17:49	247	18:12
2024	Dec	06	(Fri)	06:22	06:45	114	12:17	50S	17:49	246	18:13
2024	Dec	07	(Sat)	06:22	06:46	114	12:18	49S	17:49	246	18:13
2024	Dec	08	(Sun)	06:23	06:46	114	12:18	49S	17:50	246	18:13
2024	Dec	09	(Mon)	06:23	06:47	114	12:18	49S	17:50	246	18:13
2024	Dec	10	(Tue)	06:24	06:48	114	12:19	49S	17:50	246	18:14
2024	Dec	11	(Wed)	06:25	06:48	114	12:19	49S	17:51	246	18:14

2024	Dec 12	(Thu)	06:25	06:49	114	12:20	49S	17:51	246	18:15
2024	Dec 13	(Fri)	06:26	06:49	114	12:20	49S	17:51	246	18:15
2024	Dec 14	(Sat)	06:26	06:50	114	12:21	49S	17:52	246	18:15
2024	Dec 15	(Sun)	06:27	06:51	114	12:21	49S	17:52	246	18:16
2024	Dec 16	(Mon)	06:27	06:51	114	12:22	49S	17:52	246	18:16
2024	Dec 17	(Tue)	06:28	06:52	114	12:22	49S	17:53	246	18:17
2024	Dec 18	(Wed)	06:28	06:52	114	12:23	49S	17:53	246	18:17
2024	Dec 19	(Thu)	06:29	06:53	114	12:23	49S	17:54	246	18:18
2024	Dec 20	(Fri)	06:29	06:53	114	12:24	49S	17:54	246	18:18
2024	Dec 21	(Sat)	06:30	06:54	115	12:24	49S	17:55	245	18:18
2024	Dec 22	(Sun)	06:30	06:54	115	12:25	49S	17:55	246	18:19
2024	Dec 23	(Mon)	06:31	06:55	114	12:25	49S	17:56	246	18:19
2024	Dec 24	(Tue)	06:31	06:55	114	12:26	49S	17:56	246	18:20
2024	Dec 25	(Wed)	06:32	06:56	114	12:26	49S	17:57	246	18:21
2024	Dec 26	(Thu)	06:32	06:56	114	12:27	49S	17:57	246	18:21
2024	Dec 27	(Fri)	06:33	06:57	114	12:27	49S	17:58	246	18:22
2024	Dec 28	(Sat)	06:33	06:57	114	12:28	49S	17:59	246	18:22
2024	Dec 29	(Sun)	06:34	06:57	114	12:28	49S	17:59	246	18:23
2024	Dec 30	(Mon)	06:34	06:58	114	12:29	49S	18:00	246	18:23
2024	Dec 31	(Tue)	06:34	06:58	114	12:29	49S	18:00	246	18:24

Moon

VTNI

Location: E 98°29'00.0", N18°35'00.0", 8530m
(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)	22:35	80	04:17	85S	10:44	282
2024	Jan 02	(Tue)	23:23	86	04:58	80S	11:16	277
2024	Jan 03	(Wed)			05:37	74S	11:47	271
2024	Jan 04	(Thu)	00:10	92	06:16	68S	12:19	265
2024	Jan 05	(Fri)	00:58	98	06:56	62S	12:51	259
2024	Jan 06	(Sat)	01:48	104	07:39	57S	13:27	253
2024	Jan 07	(Sun)	02:42	110	08:26	52S	14:07	248
2024	Jan 08	(Mon)	03:39	115	09:18	47S	14:54	244
2024	Jan 09	(Tue)	04:41	118	10:15	44S	15:48	241
2024	Jan 10	(Wed)	05:45	120	11:17	43S	16:48	240
2024	Jan 11	(Thu)	06:48	119	12:20	44S	17:55	241
2024	Jan 12	(Fri)	07:47	117	13:23	47S	19:03	245
2024	Jan 13	(Sat)	08:40	112	14:23	52S	20:09	250
2024	Jan 14	(Sun)	09:27	106	15:18	58S	21:13	257
2024	Jan 15	(Mon)	10:10	99	16:09	65S	22:14	264
2024	Jan 16	(Tue)	10:49	92	16:58	72S	23:12	272
2024	Jan 17	(Wed)	11:28	85	17:46	79S		
2024	Jan 18	(Thu)	12:06	78	18:34	85S	00:09	279
2024	Jan 19	(Fri)	12:47	72	19:23	91N	01:07	286
2024	Jan 20	(Sat)	13:30	67	20:15	86N	02:05	291
2024	Jan 21	(Sun)	14:17	63	21:09	83N	03:04	296
2024	Jan 22	(Mon)	15:08	61	22:04	81N	04:03	299
2024	Jan 23	(Tue)	16:03	60	22:59	81N	05:00	300
2024	Jan 24	(Wed)	16:59	61	23:53	83N	05:55	299
2024	Jan 25	(Thu)	17:55	64			06:44	297
2024	Jan 26	(Fri)	18:49	68	00:43	86N	07:28	294
2024	Jan 27	(Sat)	19:40	73	01:30	90N	08:07	290
2024	Jan 28	(Sun)	20:29	78	02:14	87S	08:43	284
2024	Jan 29	(Mon)	21:17	84	02:55	82S	09:16	279
2024	Jan 30	(Tue)	22:04	90	03:34	76S	09:47	273
2024	Jan 31	(Wed)	22:51	96	04:13	70S	10:18	267
2024	Feb 01	(Thu)	23:40	102	04:52	64S	10:50	261
2024	Feb 02	(Fri)			05:33	59S	11:23	255
2024	Feb 03	(Sat)	00:31	108	06:17	54S	12:01	250
2024	Feb 04	(Sun)	01:25	113	07:05	49S	12:43	245

2024 Feb 05 (Mon)	02:23 117	07:58 46S	13:32 242
2024 Feb 06 (Tue)	03:25 119	08:57 43S	14:28 240
2024 Feb 07 (Wed)	04:27 120	09:59 43S	15:31 240
2024 Feb 08 (Thu)	05:28 119	11:02 45S	16:38 243
2024 Feb 09 (Fri)	06:24 115	12:04 49S	17:46 247
2024 Feb 10 (Sat)	07:15 109	13:02 55S	18:53 254
2024 Feb 11 (Sun)	08:01 103	13:57 61S	19:57 261
2024 Feb 12 (Mon)	08:43 95	14:49 69S	20:59 269
2024 Feb 13 (Tue)	09:24 87	15:39 76S	21:59 276
2024 Feb 14 (Wed)	10:03 80	16:28 83S	22:58 283
2024 Feb 15 (Thu)	10:44 73	17:19 89S	23:58 290
2024 Feb 16 (Fri)	11:28 68	18:11 87N	
2024 Feb 17 (Sat)	12:14 64	19:05 83N	00:58 295
2024 Feb 18 (Sun)	13:05 61	20:00 81N	01:58 298
2024 Feb 19 (Mon)	13:58 60	20:55 81N	02:56 300
2024 Feb 20 (Tue)	14:54 61	21:49 82N	03:51 300
2024 Feb 21 (Wed)	15:49 63	22:39 84N	04:41 298
2024 Feb 22 (Thu)	16:43 66	23:27 88N	05:27 295
2024 Feb 23 (Fri)	17:35 71		06:07 291
2024 Feb 24 (Sat)	18:25 76	00:12 89S	06:44 286
2024 Feb 25 (Sun)	19:13 82	00:53 84S	07:17 281
2024 Feb 26 (Mon)	20:00 88	01:33 78S	07:49 275
2024 Feb 27 (Tue)	20:47 94	02:12 72S	08:20 269
2024 Feb 28 (Wed)	21:35 100	02:51 66S	08:51 263
2024 Feb 29 (Thu)	22:25 106	03:31 60S	09:23 257
2024 Mar 01 (Fri)	23:17 111	04:13 55S	09:59 251
2024 Mar 02 (Sat)		04:59 50S	10:38 247
2024 Mar 03 (Sun)	00:12 116	05:49 47S	11:23 243
2024 Mar 04 (Mon)	01:11 119	06:43 44S	12:14 240
2024 Mar 05 (Tue)	02:11 120	07:42 43S	13:12 240
2024 Mar 06 (Wed)	03:11 120	08:43 44S	14:16 241
2024 Mar 07 (Thu)	04:08 117	09:44 47S	15:22 245
2024 Mar 08 (Fri)	05:00 113	10:43 51S	16:29 250
2024 Mar 09 (Sat)	05:48 107	11:39 58S	17:34 257
2024 Mar 10 (Sun)	06:32 99	12:32 65S	18:38 265
2024 Mar 11 (Mon)	07:14 91	13:24 72S	19:40 273
2024 Mar 12 (Tue)	07:55 84	14:16 80S	20:41 280
2024 Mar 13 (Wed)	08:37 76	15:07 87S	21:43 287
2024 Mar 14 (Thu)	09:20 70	16:01 89N	22:46 293
2024 Mar 15 (Fri)	10:07 65	16:56 84N	23:48 297
2024 Mar 16 (Sat)	10:58 62	17:53 82N	
2024 Mar 17 (Sun)	11:52 60	18:49 81N	00:49 300
2024 Mar 18 (Mon)	12:48 60	19:44 81N	01:46 300
2024 Mar 19 (Tue)	13:44 62	20:36 83N	02:39 299
2024 Mar 20 (Wed)	14:39 65	21:25 87N	03:26 296
2024 Mar 21 (Thu)	15:31 69	22:10 90S	04:07 293
2024 Mar 22 (Fri)	16:22 75	22:52 85S	04:45 288
2024 Mar 23 (Sat)	17:10 80	23:33 80S	05:19 283
2024 Mar 24 (Sun)	17:57 86		05:51 277
2024 Mar 25 (Mon)	18:44 92	00:12 74S	06:22 271
2024 Mar 26 (Tue)	19:32 99	00:51 68S	06:53 265
2024 Mar 27 (Wed)	20:21 104	01:30 62S	07:25 259
2024 Mar 28 (Thu)	21:13 110	02:12 57S	08:00 253
2024 Mar 29 (Fri)	22:07 114	02:57 52S	08:38 248
2024 Mar 30 (Sat)	23:04 118	03:45 48S	09:20 244
2024 Mar 31 (Sun)		04:37 45S	10:09 241
2024 Apr 01 (Mon)	00:03 120	05:33 43S	11:03 240
2024 Apr 02 (Tue)	01:01 120	06:32 43S	12:03 240
2024 Apr 03 (Wed)	01:57 119	07:31 45S	13:06 243
2024 Apr 04 (Thu)	02:50 115	08:28 49S	14:10 247
2024 Apr 05 (Fri)	03:38 110	09:24 54S	15:14 253
2024 Apr 06 (Sat)	04:22 103	10:17 61S	16:17 260
2024 Apr 07 (Sun)	05:04 96	11:09 68S	17:18 268
2024 Apr 08 (Mon)	05:45 88	12:00 76S	18:20 276
2024 Apr 09 (Tue)	06:26 80	12:51 83S	19:22 284
2024 Apr 10 (Wed)	07:09 73	13:45 90S	20:26 290
2024 Apr 11 (Thu)	07:56 67	14:41 86N	21:30 295

2024 Apr 12 (Fri)	08:46 63	15:39 83N	22:34 299
2024 Apr 13 (Sat)	09:41 60	16:38 81N	23:35 300
2024 Apr 14 (Sun)	10:38 60	17:35 81N	
2024 Apr 15 (Mon)	11:35 61	18:30 82N	00:31 300
2024 Apr 16 (Tue)	12:32 64	19:21 85N	01:22 298
2024 Apr 17 (Wed)	13:26 68	20:07 89N	02:06 294
2024 Apr 18 (Thu)	14:17 73	20:51 87S	02:45 290
2024 Apr 19 (Fri)	15:06 78	21:31 82S	03:20 284
2024 Apr 20 (Sat)	15:54 84	22:11 76S	03:53 279
2024 Apr 21 (Sun)	16:41 90	22:50 70S	04:24 273
2024 Apr 22 (Mon)	17:28 96	23:29 64S	04:55 267
2024 Apr 23 (Tue)	18:17 102		05:26 261
2024 Apr 24 (Wed)	19:08 108	00:10 59S	06:00 255
2024 Apr 25 (Thu)	20:02 113	00:54 53S	06:37 250
2024 Apr 26 (Fri)	20:59 117	01:42 49S	07:19 245
2024 Apr 27 (Sat)	21:57 119	02:33 45S	08:06 242
2024 Apr 28 (Sun)	22:56 120	03:28 43S	08:59 240
2024 Apr 29 (Mon)	23:53 119	04:26 43S	09:57 240
2024 Apr 30 (Tue)		05:24 44S	10:58 242
2024 May 01 (Wed)	00:45 116	06:21 48S	12:01 246
2024 May 02 (Thu)	01:33 112	07:16 52S	13:03 251
2024 May 03 (Fri)	02:17 106	08:08 58S	14:03 257
2024 May 04 (Sat)	02:58 99	08:58 65S	15:03 265
2024 May 05 (Sun)	03:38 91	09:48 72S	16:03 272
2024 May 06 (Mon)	04:17 84	10:37 80S	17:03 280
2024 May 07 (Tue)	04:59 77	11:29 87S	18:05 287
2024 May 08 (Wed)	05:43 70	12:24 89N	19:09 293
2024 May 09 (Thu)	06:32 65	13:21 84N	20:14 297
2024 May 10 (Fri)	07:25 61	14:21 82N	21:18 300
2024 May 11 (Sat)	08:23 60	15:21 81N	22:18 300
2024 May 12 (Sun)	09:22 60	16:18 82N	23:12 299
2024 May 13 (Mon)	10:20 63	17:12 84N	
2024 May 14 (Tue)	11:17 66	18:01 88N	00:00 296
2024 May 15 (Wed)	12:10 71	18:46 89S	00:42 291
2024 May 16 (Thu)	13:00 76	19:28 84S	01:19 286
2024 May 17 (Fri)	13:48 82	20:08 78S	01:53 281
2024 May 18 (Sat)	14:35 88	20:47 72S	02:24 275
2024 May 19 (Sun)	15:22 94	21:26 66S	02:55 269
2024 May 20 (Mon)	16:10 100	22:07 61S	03:26 263
2024 May 21 (Tue)	17:01 106	22:50 55S	03:59 257
2024 May 22 (Wed)	17:54 111	23:36 50S	04:35 251
2024 May 23 (Thu)	18:51 116		05:16 247
2024 May 24 (Fri)	19:50 119	00:27 47S	06:01 243
2024 May 25 (Sat)	20:49 120	01:22 44S	06:53 240
2024 May 26 (Sun)	21:48 120	02:20 43S	07:51 240
2024 May 27 (Mon)	22:42 117	03:19 44S	08:52 241
2024 May 28 (Tue)	23:31 113	04:17 47S	09:55 244
2024 May 29 (Wed)		05:12 51S	10:57 249
2024 May 30 (Thu)	00:16 108	06:05 56S	11:57 255
2024 May 31 (Fri)	00:57 101	06:54 63S	12:56 262
2024 Jun 01 (Sat)	01:36 94	07:42 70S	13:53 270
2024 Jun 02 (Sun)	02:14 87	08:30 77S	14:51 277
2024 Jun 03 (Mon)	02:53 79	09:20 84S	15:51 284
2024 Jun 04 (Tue)	03:35 73	10:12 90S	16:53 290
2024 Jun 05 (Wed)	04:21 67	11:07 86N	17:56 295
2024 Jun 06 (Thu)	05:12 63	12:05 83N	19:00 299
2024 Jun 07 (Fri)	06:08 60	13:05 81N	20:03 300
2024 Jun 08 (Sat)	07:06 60	14:04 81N	21:00 299
2024 Jun 09 (Sun)	08:06 62	15:00 83N	21:51 297
2024 Jun 10 (Mon)	09:04 65	15:52 86N	22:36 293
2024 Jun 11 (Tue)	10:00 69	16:40 91N	23:16 288
2024 Jun 12 (Wed)	10:52 74	17:23 86S	23:51 283
2024 Jun 13 (Thu)	11:41 80	18:04 80S	
2024 Jun 14 (Fri)	12:29 86	18:44 74S	00:23 277
2024 Jun 15 (Sat)	13:16 92	19:22 69S	00:54 271
2024 Jun 16 (Sun)	14:03 98	20:02 63S	01:25 265
2024 Jun 17 (Mon)	14:52 104	20:44 57S	01:57 259

2024 Jun 18 (Tue)	15:44 109	21:29 52S	02:32 253
2024 Jun 19 (Wed)	16:39 114	22:18 48S	03:10 248
2024 Jun 20 (Thu)	17:38 118	23:12 45S	03:54 244
2024 Jun 21 (Fri)	18:38 120		04:44 241
2024 Jun 22 (Sat)	19:38 120	00:09 43S	05:40 240
2024 Jun 23 (Sun)	20:35 118	01:09 43S	06:41 241
2024 Jun 24 (Mon)	21:27 114	02:09 46S	07:45 243
2024 Jun 25 (Tue)	22:14 109	03:07 49S	08:49 248
2024 Jun 26 (Wed)	22:57 103	04:01 55S	09:51 254
2024 Jun 27 (Thu)	23:37 96	04:52 61S	10:51 260
2024 Jun 28 (Fri)		05:40 68S	11:49 268
2024 Jun 29 (Sat)	00:15 89	06:28 75S	12:46 275
2024 Jun 30 (Sun)	00:53 81	07:16 82S	13:44 282
2024 Jul 01 (Mon)	01:33 75	08:06 88S	14:44 289
2024 Jul 02 (Tue)	02:16 69	08:58 88N	15:45 294
2024 Jul 03 (Wed)	03:04 64	09:54 84N	16:48 298
2024 Jul 04 (Thu)	03:57 61	10:53 81N	17:50 300
2024 Jul 05 (Fri)	04:54 60	11:51 81N	18:49 300
2024 Jul 06 (Sat)	05:53 61	12:49 82N	19:42 298
2024 Jul 07 (Sun)	06:52 63	13:43 85N	20:30 295
2024 Jul 08 (Mon)	07:49 67	14:32 89N	21:11 290
2024 Jul 09 (Tue)	08:43 72	15:18 88S	21:48 285
2024 Jul 10 (Wed)	09:33 78	16:00 82S	22:22 279
2024 Jul 11 (Thu)	10:22 84	16:40 77S	22:53 273
2024 Jul 12 (Fri)	11:09 90	17:18 71S	23:24 267
2024 Jul 13 (Sat)	11:56 96	17:58 65S	23:56 261
2024 Jul 14 (Sun)	12:44 102	18:38 59S	
2024 Jul 15 (Mon)	13:34 107	19:21 54S	00:29 256
2024 Jul 16 (Tue)	14:27 112	20:08 49S	01:05 250
2024 Jul 17 (Wed)	15:23 116	20:59 46S	01:46 246
2024 Jul 18 (Thu)	16:23 119	21:55 44S	02:32 242
2024 Jul 19 (Fri)	17:23 120	22:54 43S	03:26 240
2024 Jul 20 (Sat)	18:23 119	23:55 44S	04:25 240
2024 Jul 21 (Sun)	19:18 116		05:29 242
2024 Jul 22 (Mon)	20:08 111	00:55 48S	06:35 246
2024 Jul 23 (Tue)	20:53 105	01:52 53S	07:39 251
2024 Jul 24 (Wed)	21:35 98	02:45 59S	08:42 258
2024 Jul 25 (Thu)	22:14 91	03:36 66S	09:42 266
2024 Jul 26 (Fri)	22:53 83	04:25 73S	10:40 273
2024 Jul 27 (Sat)	23:33 76	05:13 80S	11:39 280
2024 Jul 28 (Sun)		06:03 87S	12:38 287
2024 Jul 29 (Mon)	00:15 70	06:55 89N	13:39 293
2024 Jul 30 (Tue)	01:01 65	07:49 85N	14:41 297
2024 Jul 31 (Wed)	01:52 62	08:46 82N	15:42 299
2024 Aug 01 (Thu)	02:46 60	09:44 81N	16:41 300
2024 Aug 02 (Fri)	03:44 60	10:41 81N	17:36 299
2024 Aug 03 (Sat)	04:43 62	11:35 84N	18:25 296
2024 Aug 04 (Sun)	05:40 66	12:26 87N	19:08 292
2024 Aug 05 (Mon)	06:35 70	13:13 90S	19:46 287
2024 Aug 06 (Tue)	07:26 76	13:56 84S	20:21 281
2024 Aug 07 (Wed)	08:16 81	14:37 79S	20:53 276
2024 Aug 08 (Thu)	09:03 88	15:16 73S	21:24 269
2024 Aug 09 (Fri)	09:50 94	15:54 67S	21:55 263
2024 Aug 10 (Sat)	10:37 100	16:34 61S	22:27 258
2024 Aug 11 (Sun)	11:26 105	17:15 56S	23:01 252
2024 Aug 12 (Mon)	12:17 111	18:00 51S	23:39 247
2024 Aug 13 (Tue)	13:11 115	18:48 47S	
2024 Aug 14 (Wed)	14:08 118	19:41 44S	00:23 243
2024 Aug 15 (Thu)	15:07 120	20:38 43S	01:12 241
2024 Aug 16 (Fri)	16:06 120	21:37 43S	02:08 240
2024 Aug 17 (Sat)	17:03 118	22:38 46S	03:09 241
2024 Aug 18 (Sun)	17:56 114	23:36 50S	04:14 244
2024 Aug 19 (Mon)	18:44 108		05:20 248
2024 Aug 20 (Tue)	19:28 101	00:32 56S	06:25 255
2024 Aug 21 (Wed)	20:09 94	01:25 63S	07:27 262
2024 Aug 22 (Thu)	20:50 86	02:16 70S	08:29 270
2024 Aug 23 (Fri)	21:30 79	03:07 78S	09:29 278

2024 Aug 24 (Sat)	22:12	72	03:57	85S	10:30	285
2024 Aug 25 (Sun)	22:58	66	04:50	91N	11:32	291
2024 Aug 26 (Mon)	23:48	62	05:44	86N	12:34	296
2024 Aug 27 (Tue)			06:41	82N	13:37	299
2024 Aug 28 (Wed)	00:42	60	07:39	81N	14:37	300
2024 Aug 29 (Thu)	01:39	60	08:36	81N	15:32	300
2024 Aug 30 (Fri)	02:37	61	09:31	83N	16:23	297
2024 Aug 31 (Sat)	03:34	64	10:22	86N	17:07	294
2024 Sep 01 (Sun)	04:29	68	11:10	90N	17:46	289
2024 Sep 02 (Mon)	05:21	74	11:54	86S	18:22	283
2024 Sep 03 (Tue)	06:11	79	12:35	81S	18:55	278
2024 Sep 04 (Wed)	06:59	85	13:14	75S	19:26	272
2024 Sep 05 (Thu)	07:46	92	13:53	69S	19:56	265
2024 Sep 06 (Fri)	08:33	98	14:32	63S	20:28	259
2024 Sep 07 (Sat)	09:21	104	15:12	58S	21:01	254
2024 Sep 08 (Sun)	10:10	109	15:55	53S	21:37	249
2024 Sep 09 (Mon)	11:03	114	16:41	48S	22:17	245
2024 Sep 10 (Tue)	11:58	117	17:31	45S	23:03	241
2024 Sep 11 (Wed)	12:55	120	18:25	43S	23:55	240
2024 Sep 12 (Thu)	13:52	120	19:22	43S		
2024 Sep 13 (Fri)	14:49	119	20:21	44S	00:53	240
2024 Sep 14 (Sat)	15:42	116	21:19	48S	01:55	242
2024 Sep 15 (Sun)	16:32	111	22:15	53S	02:59	246
2024 Sep 16 (Mon)	17:17	105	23:10	59S	04:03	251
2024 Sep 17 (Tue)	18:00	98			05:07	258
2024 Sep 18 (Wed)	18:41	90	00:02	66S	06:09	266
2024 Sep 19 (Thu)	19:22	82	00:53	74S	07:11	274
2024 Sep 20 (Fri)	20:05	75	01:45	81S	08:14	282
2024 Sep 21 (Sat)	20:51	68	02:39	88S	09:17	289
2024 Sep 22 (Sun)	21:41	64	03:34	87N	10:22	294
2024 Sep 23 (Mon)	22:35	61	04:32	83N	11:27	298
2024 Sep 24 (Tue)	23:33	60	05:32	81N	12:30	300
2024 Sep 25 (Wed)			06:31	80N	13:28	300
2024 Sep 26 (Thu)	00:31	61	07:27	82N	14:20	298
2024 Sep 27 (Fri)	01:29	63	08:20	85N	15:07	295
2024 Sep 28 (Sat)	02:25	67	09:08	89N	15:47	291
2024 Sep 29 (Sun)	03:18	72	09:53	88S	16:23	285
2024 Sep 30 (Mon)	04:08	77	10:34	83S	16:57	280
2024 Oct 01 (Tue)	04:56	83	11:14	77S	17:28	274
2024 Oct 02 (Wed)	05:43	90	11:53	71S	17:59	267
2024 Oct 03 (Thu)	06:30	96	12:32	65S	18:30	261
2024 Oct 04 (Fri)	07:17	102	13:12	59S	19:02	256
2024 Oct 05 (Sat)	08:06	107	13:53	54S	19:37	250
2024 Oct 06 (Sun)	08:58	112	14:38	50S	20:16	246
2024 Oct 07 (Mon)	09:52	116	15:27	46S	21:00	242
2024 Oct 08 (Tue)	10:47	119	16:19	44S	21:49	240
2024 Oct 09 (Wed)	11:44	120	17:13	43S	22:43	240
2024 Oct 10 (Thu)	12:40	120	18:10	43S	23:41	241
2024 Oct 11 (Fri)	13:33	118	19:06	46S		
2024 Oct 12 (Sat)	14:22	114	20:02	50S	00:43	244
2024 Oct 13 (Sun)	15:07	108	20:55	56S	01:45	249
2024 Oct 14 (Mon)	15:50	102	21:47	62S	02:47	255
2024 Oct 15 (Tue)	16:31	94	22:37	70S	03:48	262
2024 Oct 16 (Wed)	17:12	86	23:29	77S	04:49	270
2024 Oct 17 (Thu)	17:54	79			05:51	278
2024 Oct 18 (Fri)	18:39	72	00:22	85S	06:55	285
2024 Oct 19 (Sat)	19:28	66	01:17	90N	08:01	292
2024 Oct 20 (Sun)	20:22	62	02:16	85N	09:09	297
2024 Oct 21 (Mon)	21:20	60	03:17	82N	10:15	300
2024 Oct 22 (Tue)	22:21	60	04:19	80N	11:18	300
2024 Oct 23 (Wed)	23:21	62	05:18	81N	12:14	299
2024 Oct 24 (Thu)			06:14	84N	13:03	296
2024 Oct 25 (Fri)	00:19	66	07:05	87N	13:46	292
2024 Oct 26 (Sat)	01:13	70	07:51	90S	14:24	287
2024 Oct 27 (Sun)	02:04	76	08:33	84S	14:59	281
2024 Oct 28 (Mon)	02:53	81	09:14	79S	15:30	276
2024 Oct 29 (Tue)	03:40	88	09:52	73S	16:01	269

2024 Oct 30 (Wed)	04:27 94	10:31 67S	16:32 263
2024 Oct 31 (Thu)	05:14 100	11:11 61S	17:04 257
2024 Nov 01 (Fri)	06:03 105	11:52 56S	17:38 252
2024 Nov 02 (Sat)	06:53 111	12:36 51S	18:16 247
2024 Nov 03 (Sun)	07:47 115	13:24 47S	18:58 243
2024 Nov 04 (Mon)	08:42 118	14:15 44S	19:46 241
2024 Nov 05 (Tue)	09:39 120	15:09 43S	20:38 240
2024 Nov 06 (Wed)	10:35 120	16:05 43S	21:35 240
2024 Nov 07 (Thu)	11:28 119	17:00 45S	22:35 243
2024 Nov 08 (Fri)	12:17 115	17:54 49S	23:35 247
2024 Nov 09 (Sat)	13:02 110	18:47 53S	
2024 Nov 10 (Sun)	13:44 104	19:37 59S	00:35 252
2024 Nov 11 (Mon)	14:24 98	20:26 66S	01:34 259
2024 Nov 12 (Tue)	15:03 90	21:15 74S	02:32 266
2024 Nov 13 (Wed)	15:43 82	22:05 81S	03:32 274
2024 Nov 14 (Thu)	16:26 75	22:59 88S	04:33 281
2024 Nov 15 (Fri)	17:13 69	23:56 88N	05:37 288
2024 Nov 16 (Sat)	18:05 64		06:44 294
2024 Nov 17 (Sun)	19:02 61	00:57 83N	07:52 298
2024 Nov 18 (Mon)	20:04 60	02:00 81N	08:59 300
2024 Nov 19 (Tue)	21:06 61	03:02 81N	10:00 300
2024 Nov 20 (Wed)	22:07 64	04:02 82N	10:54 297
2024 Nov 21 (Thu)	23:04 68	04:56 86N	11:41 294
2024 Nov 22 (Fri)	23:57 74	05:45 90N	12:22 289
2024 Nov 23 (Sat)		06:30 86S	12:58 283
2024 Nov 24 (Sun)	00:48 79	07:11 81S	13:31 278
2024 Nov 25 (Mon)	01:35 85	07:51 75S	14:02 271
2024 Nov 26 (Tue)	02:22 92	08:29 69S	14:33 265
2024 Nov 27 (Wed)	03:09 98	09:09 63S	15:04 259
2024 Nov 28 (Thu)	03:57 104	09:49 58S	15:38 254
2024 Nov 29 (Fri)	04:47 109	10:32 53S	16:14 249
2024 Nov 30 (Sat)	05:40 114	11:19 48S	16:55 245
2024 Dec 01 (Sun)	06:36 117	12:10 45S	17:42 242
2024 Dec 02 (Mon)	07:33 120	13:03 43S	18:34 240
2024 Dec 03 (Tue)	08:30 120	14:00 43S	19:30 240
2024 Dec 04 (Wed)	09:24 119	14:56 45S	20:29 242
2024 Dec 05 (Thu)	10:15 116	15:51 48S	21:30 246
2024 Dec 06 (Fri)	11:01 112	16:43 52S	22:29 251
2024 Dec 07 (Sat)	11:43 106	17:33 58S	23:27 257
2024 Dec 08 (Sun)	12:23 100	18:21 64S	
2024 Dec 09 (Mon)	13:01 93	19:09 71S	00:24 264
2024 Dec 10 (Tue)	13:39 85	19:57 78S	01:21 271
2024 Dec 11 (Wed)	14:18 78	20:47 85S	02:19 278
2024 Dec 12 (Thu)	15:02 71	21:40 90N	03:20 285
2024 Dec 13 (Fri)	15:50 66	22:38 85N	04:23 292
2024 Dec 14 (Sat)	16:44 62	23:39 82N	05:30 296
2024 Dec 15 (Sun)	17:44 60		06:37 299
2024 Dec 16 (Mon)	18:46 60	00:42 81N	07:41 300
2024 Dec 17 (Tue)	19:49 63	01:44 82N	08:39 299
2024 Dec 18 (Wed)	20:50 66	02:42 84N	09:31 295
2024 Dec 19 (Thu)	21:46 71	03:35 88N	10:15 291
2024 Dec 20 (Fri)	22:39 77	04:22 88S	10:54 286
2024 Dec 21 (Sat)	23:28 83	05:06 83S	11:29 280
2024 Dec 22 (Sun)		05:47 77S	12:01 274
2024 Dec 23 (Mon)	00:16 89	06:26 71S	12:32 268
2024 Dec 24 (Tue)	01:03 96	07:05 65S	13:03 262
2024 Dec 25 (Wed)	01:50 101	07:45 60S	13:36 256
2024 Dec 26 (Thu)	02:39 107	08:27 54S	14:11 251
2024 Dec 27 (Fri)	03:31 112	09:12 50S	14:50 246
2024 Dec 28 (Sat)	04:25 116	10:01 46S	15:34 243
2024 Dec 29 (Sun)	05:22 119	10:54 44S	16:25 240
2024 Dec 30 (Mon)	06:20 120	11:50 43S	17:20 240
2024 Dec 31 (Tue)	07:16 120	12:48 44S	18:20 241