

Sun

VTMW

Location: E102°19'00.0", N13°46'00.0", 200m
(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
2025 Jan 01 (Wed)	05:45	06:34 114		12:14 54S	17:54 247		18:44
2025 Jan 02 (Thu)	05:45	06:35 113		12:15 54S	17:55 247		18:45
2025 Jan 03 (Fri)	05:45	06:35 113		12:15 54S	17:55 247		18:45
2025 Jan 04 (Sat)	05:46	06:35 113		12:16 54S	17:56 247		18:46
2025 Jan 05 (Sun)	05:46	06:36 113		12:16 54S	17:57 247		18:46
2025 Jan 06 (Mon)	05:47	06:36 113		12:17 54S	17:57 247		18:47
2025 Jan 07 (Tue)	05:47	06:36 113		12:17 55S	17:58 247		18:47
2025 Jan 08 (Wed)	05:47	06:37 113		12:17 55S	17:58 247		18:48
2025 Jan 09 (Thu)	05:48	06:37 113		12:18 55S	17:59 248		18:48
2025 Jan 10 (Fri)	05:48	06:37 112		12:18 55S	17:59 248		18:49
2025 Jan 11 (Sat)	05:48	06:37 112		12:19 55S	18:00 248		18:49
2025 Jan 12 (Sun)	05:48	06:38 112		12:19 55S	18:01 248		18:50
2025 Jan 13 (Mon)	05:49	06:38 112		12:19 56S	18:01 248		18:50
2025 Jan 14 (Tue)	05:49	06:38 112		12:20 56S	18:02 248		18:51
2025 Jan 15 (Wed)	05:49	06:38 112		12:20 56S	18:02 249		18:51
2025 Jan 16 (Thu)	05:49	06:38 111		12:20 56S	18:03 249		18:52
2025 Jan 17 (Fri)	05:49	06:38 111		12:21 56S	18:03 249		18:52
2025 Jan 18 (Sat)	05:50	06:38 111		12:21 56S	18:04 249		18:53
2025 Jan 19 (Sun)	05:50	06:39 111		12:21 57S	18:04 249		18:53
2025 Jan 20 (Mon)	05:50	06:39 111		12:22 57S	18:05 250		18:54
2025 Jan 21 (Tue)	05:50	06:39 110		12:22 57S	18:06 250		18:54
2025 Jan 22 (Wed)	05:50	06:39 110		12:22 57S	18:06 250		18:55
2025 Jan 23 (Thu)	05:50	06:39 110		12:23 58S	18:07 250		18:55
2025 Jan 24 (Fri)	05:50	06:39 110		12:23 58S	18:07 251		18:55
2025 Jan 25 (Sat)	05:50	06:39 109		12:23 58S	18:08 251		18:56
2025 Jan 26 (Sun)	05:50	06:39 109		12:23 58S	18:08 251		18:56
2025 Jan 27 (Mon)	05:50	06:39 109		12:23 59S	18:09 251		18:57
2025 Jan 28 (Tue)	05:50	06:38 109		12:24 59S	18:09 252		18:57
2025 Jan 29 (Wed)	05:50	06:38 108		12:24 59S	18:09 252		18:57
2025 Jan 30 (Thu)	05:50	06:38 108		12:24 59S	18:10 252		18:58
2025 Jan 31 (Fri)	05:50	06:38 108		12:24 60S	18:10 252		18:58
2025 Feb 01 (Sat)	05:50	06:38 107		12:24 60S	18:11 253		18:59
2025 Feb 02 (Sun)	05:50	06:38 107		12:24 60S	18:11 253		18:59
2025 Feb 03 (Mon)	05:50	06:38 107		12:25 60S	18:12 253		18:59
2025 Feb 04 (Tue)	05:50	06:37 107		12:25 61S	18:12 254		19:00
2025 Feb 05 (Wed)	05:50	06:37 106		12:25 61S	18:12 254		19:00
2025 Feb 06 (Thu)	05:49	06:37 106		12:25 61S	18:13 254		19:00
2025 Feb 07 (Fri)	05:49	06:37 106		12:25 62S	18:13 255		19:01
2025 Feb 08 (Sat)	05:49	06:36 105		12:25 62S	18:14 255		19:01
2025 Feb 09 (Sun)	05:49	06:36 105		12:25 62S	18:14 255		19:01
2025 Feb 10 (Mon)	05:49	06:36 105		12:25 63S	18:14 256		19:01
2025 Feb 11 (Tue)	05:48	06:35 104		12:25 63S	18:15 256		19:02
2025 Feb 12 (Wed)	05:48	06:35 104		12:25 63S	18:15 256		19:02
2025 Feb 13 (Thu)	05:48	06:35 104		12:25 64S	18:15 257		19:02
2025 Feb 14 (Fri)	05:47	06:34 103		12:25 64S	18:16 257		19:03
2025 Feb 15 (Sat)	05:47	06:34 103		12:25 64S	18:16 257		19:03
2025 Feb 16 (Sun)	05:47	06:34 102		12:25 65S	18:16 258		19:03
2025 Feb 17 (Mon)	05:46	06:33 102		12:25 65S	18:16 258		19:03
2025 Feb 18 (Tue)	05:46	06:33 102		12:25 65S	18:17 258		19:03
2025 Feb 19 (Wed)	05:46	06:32 101		12:25 66S	18:17 259		19:04
2025 Feb 20 (Thu)	05:45	06:32 101		12:24 66S	18:17 259		19:04
2025 Feb 21 (Fri)	05:45	06:31 101		12:24 66S	18:17 260		19:04
2025 Feb 22 (Sat)	05:44	06:31 100		12:24 67S	18:18 260		19:04
2025 Feb 23 (Sun)	05:44	06:30 100		12:24 67S	18:18 260		19:04
2025 Feb 24 (Mon)	05:43	06:30 100		12:24 68S	18:18 261		19:05

2025	Feb	25	(Tue)	05:43	06:29	99	12:24	68S	18:18	261	19:05
2025	Feb	26	(Wed)	05:42	06:29	99	12:24	68S	18:19	261	19:05
2025	Feb	27	(Thu)	05:42	06:28	98	12:23	69S	18:19	262	19:05
2025	Feb	28	(Fri)	05:41	06:28	98	12:23	69S	18:19	262	19:05
2025	Mar	01	(Sat)	05:41	06:27	98	12:23	69S	18:19	263	19:05
2025	Mar	02	(Sun)	05:40	06:27	97	12:23	70S	18:19	263	19:06
2025	Mar	03	(Mon)	05:40	06:26	97	12:23	70S	18:20	263	19:06
2025	Mar	04	(Tue)	05:39	06:25	96	12:22	71S	18:20	264	19:06
2025	Mar	05	(Wed)	05:39	06:25	96	12:22	71S	18:20	264	19:06
2025	Mar	06	(Thu)	05:38	06:24	96	12:22	71S	18:20	265	19:06
2025	Mar	07	(Fri)	05:37	06:24	95	12:22	72S	18:20	265	19:06
2025	Mar	08	(Sat)	05:37	06:23	95	12:21	72S	18:20	265	19:06
2025	Mar	09	(Sun)	05:36	06:22	94	12:21	73S	18:20	266	19:06
2025	Mar	10	(Mon)	05:36	06:22	94	12:21	73S	18:21	266	19:07
2025	Mar	11	(Tue)	05:35	06:21	94	12:21	73S	18:21	267	19:07
2025	Mar	12	(Wed)	05:34	06:20	93	12:20	74S	18:21	267	19:07
2025	Mar	13	(Thu)	05:34	06:20	93	12:20	74S	18:21	267	19:07
2025	Mar	14	(Fri)	05:33	06:19	92	12:20	75S	18:21	268	19:07
2025	Mar	15	(Sat)	05:32	06:18	92	12:20	75S	18:21	268	19:07
2025	Mar	16	(Sun)	05:32	06:18	92	12:19	75S	18:21	269	19:07
2025	Mar	17	(Mon)	05:31	06:17	91	12:19	76S	18:21	269	19:07
2025	Mar	18	(Tue)	05:30	06:16	91	12:19	76S	18:21	269	19:07
2025	Mar	19	(Wed)	05:30	06:16	90	12:18	76S	18:21	270	19:07
2025	Mar	20	(Thu)	05:29	06:15	90	12:18	77S	18:22	270	19:08
2025	Mar	21	(Fri)	05:28	06:14	90	12:18	77S	18:22	271	19:08
2025	Mar	22	(Sat)	05:28	06:14	89	12:18	78S	18:22	271	19:08
2025	Mar	23	(Sun)	05:27	06:13	89	12:17	78S	18:22	271	19:08
2025	Mar	24	(Mon)	05:26	06:12	88	12:17	78S	18:22	272	19:08
2025	Mar	25	(Tue)	05:26	06:12	88	12:17	79S	18:22	272	19:08
2025	Mar	26	(Wed)	05:25	06:11	88	12:16	79S	18:22	273	19:08
2025	Mar	27	(Thu)	05:24	06:10	87	12:16	80S	18:22	273	19:08
2025	Mar	28	(Fri)	05:23	06:10	87	12:16	80S	18:22	273	19:08
2025	Mar	29	(Sat)	05:23	06:09	86	12:15	80S	18:22	274	19:09
2025	Mar	30	(Sun)	05:22	06:08	86	12:15	81S	18:22	274	19:09
2025	Mar	31	(Mon)	05:21	06:07	86	12:15	81S	18:23	275	19:09
2025	Apr	01	(Tue)	05:21	06:07	85	12:15	82S	18:23	275	19:09
2025	Apr	02	(Wed)	05:20	06:06	85	12:14	82S	18:23	275	19:09
2025	Apr	03	(Thu)	05:19	06:05	84	12:14	82S	18:23	276	19:09
2025	Apr	04	(Fri)	05:18	06:05	84	12:14	83S	18:23	276	19:09
2025	Apr	05	(Sat)	05:18	06:04	84	12:13	83S	18:23	277	19:09
2025	Apr	06	(Sun)	05:17	06:03	83	12:13	83S	18:23	277	19:10
2025	Apr	07	(Mon)	05:16	06:03	83	12:13	84S	18:23	277	19:10
2025	Apr	08	(Tue)	05:16	06:02	82	12:13	84S	18:23	278	19:10
2025	Apr	09	(Wed)	05:15	06:01	82	12:12	85S	18:23	278	19:10
2025	Apr	10	(Thu)	05:14	06:01	82	12:12	85S	18:23	279	19:10
2025	Apr	11	(Fri)	05:13	06:00	81	12:12	85S	18:24	279	19:10
2025	Apr	12	(Sat)	05:13	06:00	81	12:12	86S	18:24	279	19:11
2025	Apr	13	(Sun)	05:12	05:59	80	12:11	86S	18:24	280	19:11
2025	Apr	14	(Mon)	05:11	05:58	80	12:11	86S	18:24	280	19:11
2025	Apr	15	(Tue)	05:11	05:58	80	12:11	87S	18:24	280	19:11
2025	Apr	16	(Wed)	05:10	05:57	79	12:11	87S	18:24	281	19:11
2025	Apr	17	(Thu)	05:09	05:56	79	12:10	88S	18:24	281	19:11
2025	Apr	18	(Fri)	05:09	05:56	79	12:10	88S	18:24	282	19:12
2025	Apr	19	(Sat)	05:08	05:55	78	12:10	88S	18:25	282	19:12
2025	Apr	20	(Sun)	05:07	05:55	78	12:10	89S	18:25	282	19:12
2025	Apr	21	(Mon)	05:07	05:54	78	12:09	89S	18:25	283	19:12
2025	Apr	22	(Tue)	05:06	05:54	77	12:09	89S	18:25	283	19:13
2025	Apr	23	(Wed)	05:06	05:53	77	12:09	90S	18:25	283	19:13
2025	Apr	24	(Thu)	05:05	05:53	77	12:09	90S	18:25	284	19:13
2025	Apr	25	(Fri)	05:04	05:52	76	12:09	90S	18:25	284	19:13
2025	Apr	26	(Sat)	05:04	05:52	76	12:09	91S	18:26	284	19:13
2025	Apr	27	(Sun)	05:03	05:51	76	12:08	91N	18:26	285	19:14
2025	Apr	28	(Mon)	05:03	05:51	75	12:08	90N	18:26	285	19:14
2025	Apr	29	(Tue)	05:02	05:50	75	12:08	90N	18:26	285	19:14
2025	Apr	30	(Wed)	05:02	05:50	75	12:08	90N	18:26	286	19:15
2025	May	01	(Thu)	05:01	05:49	74	12:08	89N	18:27	286	19:15
2025	May	02	(Fri)	05:00	05:49	74	12:08	89N	18:27	286	19:15

2025	May	03	(Sat)	05:00	05:48	74	12:08	89N	18:27	287	19:15
2025	May	04	(Sun)	04:59	05:48	73	12:08	88N	18:27	287	19:16
2025	May	05	(Mon)	04:59	05:48	73	12:07	88N	18:28	287	19:16
2025	May	06	(Tue)	04:59	05:47	73	12:07	88N	18:28	287	19:16
2025	May	07	(Wed)	04:58	05:47	72	12:07	88N	18:28	288	19:17
2025	May	08	(Thu)	04:58	05:46	72	12:07	87N	18:28	288	19:17
2025	May	09	(Fri)	04:57	05:46	72	12:07	87N	18:28	288	19:17
2025	May	10	(Sat)	04:57	05:46	72	12:07	87N	18:29	289	19:18
2025	May	11	(Sun)	04:56	05:45	71	12:07	87N	18:29	289	19:18
2025	May	12	(Mon)	04:56	05:45	71	12:07	86N	18:29	289	19:18
2025	May	13	(Tue)	04:56	05:45	71	12:07	86N	18:29	289	19:19
2025	May	14	(Wed)	04:55	05:45	71	12:07	86N	18:30	290	19:19
2025	May	15	(Thu)	04:55	05:44	70	12:07	86N	18:30	290	19:19
2025	May	16	(Fri)	04:55	05:44	70	12:07	85N	18:30	290	19:20
2025	May	17	(Sat)	04:54	05:44	70	12:07	85N	18:31	290	19:20
2025	May	18	(Sun)	04:54	05:44	70	12:07	85N	18:31	290	19:21
2025	May	19	(Mon)	04:54	05:43	69	12:07	85N	18:31	291	19:21
2025	May	20	(Tue)	04:53	05:43	69	12:07	84N	18:31	291	19:21
2025	May	21	(Wed)	04:53	05:43	69	12:07	84N	18:32	291	19:22
2025	May	22	(Thu)	04:53	05:43	69	12:07	84N	18:32	291	19:22
2025	May	23	(Fri)	04:53	05:43	69	12:07	84N	18:32	292	19:22
2025	May	24	(Sat)	04:52	05:43	68	12:08	84N	18:33	292	19:23
2025	May	25	(Sun)	04:52	05:42	68	12:08	83N	18:33	292	19:23
2025	May	26	(Mon)	04:52	05:42	68	12:08	83N	18:33	292	19:24
2025	May	27	(Tue)	04:52	05:42	68	12:08	83N	18:34	292	19:24
2025	May	28	(Wed)	04:52	05:42	68	12:08	83N	18:34	292	19:24
2025	May	29	(Thu)	04:52	05:42	67	12:08	83N	18:34	293	19:25
2025	May	30	(Fri)	04:52	05:42	67	12:08	83N	18:35	293	19:25
2025	May	31	(Sat)	04:52	05:42	67	12:08	83N	18:35	293	19:25
2025	Jun	01	(Sun)	04:51	05:42	67	12:09	82N	18:35	293	19:26
2025	Jun	02	(Mon)	04:51	05:42	67	12:09	82N	18:36	293	19:26
2025	Jun	03	(Tue)	04:51	05:42	67	12:09	82N	18:36	293	19:27
2025	Jun	04	(Wed)	04:51	05:42	67	12:09	82N	18:36	293	19:27
2025	Jun	05	(Thu)	04:51	05:42	67	12:09	82N	18:36	294	19:27
2025	Jun	06	(Fri)	04:51	05:42	66	12:09	82N	18:37	294	19:28
2025	Jun	07	(Sat)	04:51	05:42	66	12:10	82N	18:37	294	19:28
2025	Jun	08	(Sun)	04:51	05:42	66	12:10	82N	18:37	294	19:28
2025	Jun	09	(Mon)	04:51	05:42	66	12:10	82N	18:38	294	19:29
2025	Jun	10	(Tue)	04:51	05:43	66	12:10	81N	18:38	294	19:29
2025	Jun	11	(Wed)	04:52	05:43	66	12:10	81N	18:38	294	19:29
2025	Jun	12	(Thu)	04:52	05:43	66	12:11	81N	18:38	294	19:30
2025	Jun	13	(Fri)	04:52	05:43	66	12:11	81N	18:39	294	19:30
2025	Jun	14	(Sat)	04:52	05:43	66	12:11	81N	18:39	294	19:30
2025	Jun	15	(Sun)	04:52	05:43	66	12:11	81N	18:39	294	19:31
2025	Jun	16	(Mon)	04:52	05:43	66	12:11	81N	18:40	294	19:31
2025	Jun	17	(Tue)	04:52	05:44	66	12:12	81N	18:40	294	19:31
2025	Jun	18	(Wed)	04:53	05:44	66	12:12	81N	18:40	294	19:31
2025	Jun	19	(Thu)	04:53	05:44	66	12:12	81N	18:40	294	19:32
2025	Jun	20	(Fri)	04:53	05:44	66	12:12	81N	18:41	294	19:32
2025	Jun	21	(Sat)	04:53	05:44	66	12:13	81N	18:41	294	19:32
2025	Jun	22	(Sun)	04:53	05:45	66	12:13	81N	18:41	294	19:32
2025	Jun	23	(Mon)	04:54	05:45	66	12:13	81N	18:41	294	19:32
2025	Jun	24	(Tue)	04:54	05:45	66	12:13	81N	18:41	294	19:33
2025	Jun	25	(Wed)	04:54	05:45	66	12:13	81N	18:42	294	19:33
2025	Jun	26	(Thu)	04:54	05:46	66	12:14	81N	18:42	294	19:33
2025	Jun	27	(Fri)	04:55	05:46	66	12:14	81N	18:42	294	19:33
2025	Jun	28	(Sat)	04:55	05:46	66	12:14	81N	18:42	294	19:33
2025	Jun	29	(Sun)	04:55	05:46	66	12:14	81N	18:42	294	19:33
2025	Jun	30	(Mon)	04:55	05:47	66	12:14	81N	18:42	294	19:33
2025	Jul	01	(Tue)	04:56	05:47	66	12:15	81N	18:42	294	19:33
2025	Jul	02	(Wed)	04:56	05:47	66	12:15	81N	18:42	294	19:34
2025	Jul	03	(Thu)	04:56	05:47	66	12:15	82N	18:43	294	19:34
2025	Jul	04	(Fri)	04:57	05:48	66	12:15	82N	18:43	294	19:34
2025	Jul	05	(Sat)	04:57	05:48	66	12:15	82N	18:43	294	19:34
2025	Jul	06	(Sun)	04:57	05:48	66	12:16	82N	18:43	294	19:34
2025	Jul	07	(Mon)	04:58	05:49	66	12:16	82N	18:43	293	19:34
2025	Jul	08	(Tue)	04:58	05:49	67	12:16	82N	18:43	293	19:34

2025	Jul	09	(Wed)	04:58	05:49	67	12:16	82N	18:43	293	19:34
2025	Jul	10	(Thu)	04:59	05:49	67	12:16	82N	18:43	293	19:33
2025	Jul	11	(Fri)	04:59	05:50	67	12:16	82N	18:43	293	19:33
2025	Jul	12	(Sat)	04:59	05:50	67	12:16	83N	18:43	293	19:33
2025	Jul	13	(Sun)	05:00	05:50	67	12:17	83N	18:43	293	19:33
2025	Jul	14	(Mon)	05:00	05:51	67	12:17	83N	18:43	292	19:33
2025	Jul	15	(Tue)	05:00	05:51	68	12:17	83N	18:43	292	19:33
2025	Jul	16	(Wed)	05:01	05:51	68	12:17	83N	18:42	292	19:33
2025	Jul	17	(Thu)	05:01	05:51	68	12:17	83N	18:42	292	19:33
2025	Jul	18	(Fri)	05:01	05:52	68	12:17	84N	18:42	292	19:32
2025	Jul	19	(Sat)	05:02	05:52	68	12:17	84N	18:42	292	19:32
2025	Jul	20	(Sun)	05:02	05:52	68	12:17	84N	18:42	291	19:32
2025	Jul	21	(Mon)	05:03	05:53	69	12:17	84N	18:42	291	19:32
2025	Jul	22	(Tue)	05:03	05:53	69	12:17	84N	18:42	291	19:31
2025	Jul	23	(Wed)	05:03	05:53	69	12:17	84N	18:41	291	19:31
2025	Jul	24	(Thu)	05:04	05:53	69	12:17	85N	18:41	291	19:31
2025	Jul	25	(Fri)	05:04	05:54	70	12:17	85N	18:41	290	19:31
2025	Jul	26	(Sat)	05:04	05:54	70	12:17	85N	18:41	290	19:30
2025	Jul	27	(Sun)	05:05	05:54	70	12:17	85N	18:40	290	19:30
2025	Jul	28	(Mon)	05:05	05:54	70	12:17	86N	18:40	290	19:29
2025	Jul	29	(Tue)	05:05	05:55	70	12:17	86N	18:40	289	19:29
2025	Jul	30	(Wed)	05:06	05:55	71	12:17	86N	18:39	289	19:29
2025	Jul	31	(Thu)	05:06	05:55	71	12:17	86N	18:39	289	19:28
2025	Aug	01	(Fri)	05:06	05:55	71	12:17	87N	18:39	289	19:28
2025	Aug	02	(Sat)	05:06	05:55	71	12:17	87N	18:38	288	19:27
2025	Aug	03	(Sun)	05:07	05:56	72	12:17	87N	18:38	288	19:27
2025	Aug	04	(Mon)	05:07	05:56	72	12:17	87N	18:38	288	19:26
2025	Aug	05	(Tue)	05:07	05:56	72	12:17	88N	18:37	288	19:26
2025	Aug	06	(Wed)	05:08	05:56	73	12:17	88N	18:37	287	19:26
2025	Aug	07	(Thu)	05:08	05:56	73	12:17	88N	18:36	287	19:25
2025	Aug	08	(Fri)	05:08	05:57	73	12:16	88N	18:36	287	19:24
2025	Aug	09	(Sat)	05:08	05:57	73	12:16	89N	18:36	286	19:24
2025	Aug	10	(Sun)	05:09	05:57	74	12:16	89N	18:35	286	19:23
2025	Aug	11	(Mon)	05:09	05:57	74	12:16	89N	18:35	286	19:23
2025	Aug	12	(Tue)	05:09	05:57	74	12:16	90N	18:34	285	19:22
2025	Aug	13	(Wed)	05:09	05:57	75	12:16	90N	18:34	285	19:22
2025	Aug	14	(Thu)	05:10	05:58	75	12:15	90N	18:33	285	19:21
2025	Aug	15	(Fri)	05:10	05:58	75	12:15	91N	18:33	285	19:20
2025	Aug	16	(Sat)	05:10	05:58	76	12:15	91S	18:32	284	19:20
2025	Aug	17	(Sun)	05:10	05:58	76	12:15	90S	18:32	284	19:19
2025	Aug	18	(Mon)	05:10	05:58	76	12:15	90S	18:31	284	19:19
2025	Aug	19	(Tue)	05:11	05:58	77	12:14	90S	18:30	283	19:18
2025	Aug	20	(Wed)	05:11	05:58	77	12:14	89S	18:30	283	19:17
2025	Aug	21	(Thu)	05:11	05:58	77	12:14	89S	18:29	283	19:17
2025	Aug	22	(Fri)	05:11	05:59	78	12:14	89S	18:29	282	19:16
2025	Aug	23	(Sat)	05:11	05:59	78	12:13	88S	18:28	282	19:15
2025	Aug	24	(Sun)	05:11	05:59	78	12:13	88S	18:27	281	19:15
2025	Aug	25	(Mon)	05:12	05:59	79	12:13	88S	18:27	281	19:14
2025	Aug	26	(Tue)	05:12	05:59	79	12:13	87S	18:26	281	19:13
2025	Aug	27	(Wed)	05:12	05:59	79	12:12	87S	18:25	280	19:12
2025	Aug	28	(Thu)	05:12	05:59	80	12:12	87S	18:25	280	19:12
2025	Aug	29	(Fri)	05:12	05:59	80	12:12	86S	18:24	280	19:11
2025	Aug	30	(Sat)	05:12	05:59	81	12:11	86S	18:23	279	19:10
2025	Aug	31	(Sun)	05:12	05:59	81	12:11	85S	18:23	279	19:10
2025	Sep	01	(Mon)	05:12	05:59	81	12:11	85S	18:22	279	19:09
2025	Sep	02	(Tue)	05:13	05:59	82	12:10	85S	18:21	278	19:08
2025	Sep	03	(Wed)	05:13	05:59	82	12:10	84S	18:21	278	19:07
2025	Sep	04	(Thu)	05:13	05:59	82	12:10	84S	18:20	277	19:07
2025	Sep	05	(Fri)	05:13	05:59	83	12:09	84S	18:19	277	19:06
2025	Sep	06	(Sat)	05:13	05:59	83	12:09	83S	18:19	277	19:05
2025	Sep	07	(Sun)	05:13	05:59	84	12:09	83S	18:18	276	19:04
2025	Sep	08	(Mon)	05:13	06:00	84	12:08	83S	18:17	276	19:04
2025	Sep	09	(Tue)	05:13	06:00	84	12:08	82S	18:16	275	19:03
2025	Sep	10	(Wed)	05:13	06:00	85	12:08	82S	18:16	275	19:02
2025	Sep	11	(Thu)	05:13	06:00	85	12:07	81S	18:15	275	19:01
2025	Sep	12	(Fri)	05:13	06:00	85	12:07	81S	18:14	274	19:00
2025	Sep	13	(Sat)	05:13	06:00	86	12:07	81S	18:14	274	19:00

2025 Sep 14 (Sun)	05:13	06:00	86	12:06	80S	18:13	274	18:59
2025 Sep 15 (Mon)	05:14	06:00	87	12:06	80S	18:12	273	18:58
2025 Sep 16 (Tue)	05:14	06:00	87	12:06	79S	18:11	273	18:57
2025 Sep 17 (Wed)	05:14	06:00	87	12:05	79S	18:11	272	18:57
2025 Sep 18 (Thu)	05:14	06:00	88	12:05	79S	18:10	272	18:56
2025 Sep 19 (Fri)	05:14	06:00	88	12:05	78S	18:09	272	18:55
2025 Sep 20 (Sat)	05:14	06:00	89	12:04	78S	18:08	271	18:54
2025 Sep 21 (Sun)	05:14	06:00	89	12:04	78S	18:08	271	18:54
2025 Sep 22 (Mon)	05:14	06:00	89	12:03	77S	18:07	270	18:53
2025 Sep 23 (Tue)	05:14	06:00	90	12:03	77S	18:06	270	18:52
2025 Sep 24 (Wed)	05:14	06:00	90	12:03	76S	18:05	270	18:51
2025 Sep 25 (Thu)	05:14	06:00	91	12:02	76S	18:05	269	18:51
2025 Sep 26 (Fri)	05:14	06:00	91	12:02	76S	18:04	269	18:50
2025 Sep 27 (Sat)	05:14	06:00	91	12:02	75S	18:03	268	18:49
2025 Sep 28 (Sun)	05:14	06:00	92	12:01	75S	18:03	268	18:49
2025 Sep 29 (Mon)	05:14	06:00	92	12:01	74S	18:02	268	18:48
2025 Sep 30 (Tue)	05:14	06:00	93	12:01	74S	18:01	267	18:47
2025 Oct 01 (Wed)	05:14	06:00	93	12:00	74S	18:00	267	18:46
2025 Oct 02 (Thu)	05:14	06:00	93	12:00	73S	18:00	266	18:46
2025 Oct 03 (Fri)	05:14	06:00	94	12:00	73S	17:59	266	18:45
2025 Oct 04 (Sat)	05:14	06:00	94	11:59	72S	17:58	266	18:44
2025 Oct 05 (Sun)	05:14	06:00	95	11:59	72S	17:58	265	18:44
2025 Oct 06 (Mon)	05:14	06:01	95	11:59	72S	17:57	265	18:43
2025 Oct 07 (Tue)	05:15	06:01	95	11:59	71S	17:56	264	18:42
2025 Oct 08 (Wed)	05:15	06:01	96	11:58	71S	17:56	264	18:42
2025 Oct 09 (Thu)	05:15	06:01	96	11:58	71S	17:55	264	18:41
2025 Oct 10 (Fri)	05:15	06:01	97	11:58	70S	17:54	263	18:41
2025 Oct 11 (Sat)	05:15	06:01	97	11:57	70S	17:54	263	18:40
2025 Oct 12 (Sun)	05:15	06:01	97	11:57	69S	17:53	262	18:39
2025 Oct 13 (Mon)	05:15	06:01	98	11:57	69S	17:53	262	18:39
2025 Oct 14 (Tue)	05:15	06:01	98	11:57	69S	17:52	262	18:38
2025 Oct 15 (Wed)	05:15	06:02	99	11:57	68S	17:51	261	18:38
2025 Oct 16 (Thu)	05:15	06:02	99	11:56	68S	17:51	261	18:37
2025 Oct 17 (Fri)	05:15	06:02	99	11:56	68S	17:50	260	18:37
2025 Oct 18 (Sat)	05:16	06:02	100	11:56	67S	17:50	260	18:36
2025 Oct 19 (Sun)	05:16	06:02	100	11:56	67S	17:49	260	18:36
2025 Oct 20 (Mon)	05:16	06:02	100	11:56	67S	17:49	259	18:35
2025 Oct 21 (Tue)	05:16	06:03	101	11:55	66S	17:48	259	18:35
2025 Oct 22 (Wed)	05:16	06:03	101	11:55	66S	17:48	259	18:34
2025 Oct 23 (Thu)	05:16	06:03	102	11:55	65S	17:47	258	18:34
2025 Oct 24 (Fri)	05:16	06:03	102	11:55	65S	17:47	258	18:33
2025 Oct 25 (Sat)	05:17	06:03	102	11:55	65S	17:46	258	18:33
2025 Oct 26 (Sun)	05:17	06:04	103	11:55	64S	17:46	257	18:33
2025 Oct 27 (Mon)	05:17	06:04	103	11:55	64S	17:45	257	18:32
2025 Oct 28 (Tue)	05:17	06:04	103	11:55	64S	17:45	257	18:32
2025 Oct 29 (Wed)	05:17	06:04	104	11:54	63S	17:44	256	18:31
2025 Oct 30 (Thu)	05:18	06:05	104	11:54	63S	17:44	256	18:31
2025 Oct 31 (Fri)	05:18	06:05	104	11:54	63S	17:44	256	18:31
2025 Nov 01 (Sat)	05:18	06:05	105	11:54	62S	17:43	255	18:31
2025 Nov 02 (Sun)	05:18	06:06	105	11:54	62S	17:43	255	18:30
2025 Nov 03 (Mon)	05:18	06:06	105	11:54	62S	17:43	255	18:30
2025 Nov 04 (Tue)	05:19	06:06	106	11:54	61S	17:42	254	18:30
2025 Nov 05 (Wed)	05:19	06:07	106	11:54	61S	17:42	254	18:30
2025 Nov 06 (Thu)	05:19	06:07	106	11:54	61S	17:42	254	18:29
2025 Nov 07 (Fri)	05:20	06:07	107	11:54	61S	17:41	253	18:29
2025 Nov 08 (Sat)	05:20	06:08	107	11:54	60S	17:41	253	18:29
2025 Nov 09 (Sun)	05:20	06:08	107	11:55	60S	17:41	253	18:29
2025 Nov 10 (Mon)	05:20	06:08	107	11:55	60S	17:41	252	18:29
2025 Nov 11 (Tue)	05:21	06:09	108	11:55	59S	17:41	252	18:29
2025 Nov 12 (Wed)	05:21	06:09	108	11:55	59S	17:40	252	18:28
2025 Nov 13 (Thu)	05:21	06:10	108	11:55	59S	17:40	252	18:28
2025 Nov 14 (Fri)	05:22	06:10	109	11:55	59S	17:40	251	18:28
2025 Nov 15 (Sat)	05:22	06:10	109	11:55	58S	17:40	251	18:28
2025 Nov 16 (Sun)	05:23	06:11	109	11:55	58S	17:40	251	18:28
2025 Nov 17 (Mon)	05:23	06:11	109	11:56	58S	17:40	251	18:28
2025 Nov 18 (Tue)	05:23	06:12	110	11:56	58S	17:40	250	18:28
2025 Nov 19 (Wed)	05:24	06:12	110	11:56	57S	17:40	250	18:28

2025 Nov 20 (Thu)	05:24	06:13	110	11:56	57S	17:40	250	18:28
2025 Nov 21 (Fri)	05:25	06:13	110	11:57	57S	17:40	250	18:29
2025 Nov 22 (Sat)	05:25	06:14	111	11:57	57S	17:40	249	18:29
2025 Nov 23 (Sun)	05:25	06:14	111	11:57	57S	17:40	249	18:29
2025 Nov 24 (Mon)	05:26	06:15	111	11:57	56S	17:40	249	18:29
2025 Nov 25 (Tue)	05:26	06:15	111	11:58	56S	17:40	249	18:29
2025 Nov 26 (Wed)	05:27	06:16	111	11:58	56S	17:40	249	18:29
2025 Nov 27 (Thu)	05:27	06:16	112	11:58	56S	17:40	248	18:29
2025 Nov 28 (Fri)	05:28	06:17	112	11:59	56S	17:40	248	18:30
2025 Nov 29 (Sat)	05:28	06:17	112	11:59	55S	17:41	248	18:30
2025 Nov 30 (Sun)	05:29	06:18	112	11:59	55S	17:41	248	18:30
2025 Dec 01 (Mon)	05:29	06:18	112	12:00	55S	17:41	248	18:30
2025 Dec 02 (Tue)	05:30	06:19	112	12:00	55S	17:41	248	18:31
2025 Dec 03 (Wed)	05:30	06:20	113	12:01	55S	17:41	247	18:31
2025 Dec 04 (Thu)	05:31	06:20	113	12:01	55S	17:42	247	18:31
2025 Dec 05 (Fri)	05:31	06:21	113	12:01	55S	17:42	247	18:31
2025 Dec 06 (Sat)	05:32	06:21	113	12:02	54S	17:42	247	18:32
2025 Dec 07 (Sun)	05:32	06:22	113	12:02	54S	17:43	247	18:32
2025 Dec 08 (Mon)	05:33	06:22	113	12:03	54S	17:43	247	18:32
2025 Dec 09 (Tue)	05:33	06:23	113	12:03	54S	17:43	247	18:33
2025 Dec 10 (Wed)	05:34	06:23	113	12:03	54S	17:44	247	18:33
2025 Dec 11 (Thu)	05:34	06:24	113	12:04	54S	17:44	246	18:34
2025 Dec 12 (Fri)	05:35	06:25	114	12:04	54S	17:44	246	18:34
2025 Dec 13 (Sat)	05:35	06:25	114	12:05	54S	17:45	246	18:34
2025 Dec 14 (Sun)	05:36	06:26	114	12:05	54S	17:45	246	18:35
2025 Dec 15 (Mon)	05:36	06:26	114	12:06	54S	17:45	246	18:35
2025 Dec 16 (Tue)	05:37	06:27	114	12:06	54S	17:46	246	18:36
2025 Dec 17 (Wed)	05:37	06:27	114	12:07	54S	17:46	246	18:36
2025 Dec 18 (Thu)	05:38	06:28	114	12:07	54S	17:47	246	18:37
2025 Dec 19 (Fri)	05:38	06:28	114	12:08	54S	17:47	246	18:37
2025 Dec 20 (Sat)	05:39	06:29	114	12:08	54S	17:48	246	18:38
2025 Dec 21 (Sun)	05:39	06:29	114	12:09	54S	17:48	246	18:38
2025 Dec 22 (Mon)	05:40	06:30	114	12:09	54S	17:49	246	18:39
2025 Dec 23 (Tue)	05:40	06:30	114	12:10	54S	17:49	246	18:39
2025 Dec 24 (Wed)	05:41	06:31	114	12:10	54S	17:50	246	18:40
2025 Dec 25 (Thu)	05:41	06:31	114	12:11	54S	17:50	246	18:40
2025 Dec 26 (Fri)	05:42	06:32	114	12:11	54S	17:51	246	18:41
2025 Dec 27 (Sat)	05:42	06:32	114	12:12	54S	17:51	246	18:41
2025 Dec 28 (Sun)	05:43	06:33	114	12:12	54S	17:52	246	18:42
2025 Dec 29 (Mon)	05:43	06:33	114	12:13	54S	17:53	246	18:42
2025 Dec 30 (Tue)	05:44	06:33	114	12:13	54S	17:53	246	18:43
2025 Dec 31 (Wed)	05:44	06:34	114	12:14	54S	17:54	246	18:43

Sun

VTMW

Location: E102°19'00.0", N13°46'00.0", 200m
(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
2025 Jan 01 (Wed)	06:11	06:34	114	12:14	54S	17:54	247
2025 Jan 02 (Thu)	06:12	06:35	113	12:15	54S	17:55	247
2025 Jan 03 (Fri)	06:12	06:35	113	12:15	54S	17:55	247
2025 Jan 04 (Sat)	06:12	06:35	113	12:16	54S	17:56	247
2025 Jan 05 (Sun)	06:13	06:36	113	12:16	54S	17:57	247
2025 Jan 06 (Mon)	06:13	06:36	113	12:17	54S	17:57	247
2025 Jan 07 (Tue)	06:13	06:36	113	12:17	55S	17:58	247
2025 Jan 08 (Wed)	06:14	06:37	113	12:17	55S	17:58	247
2025 Jan 09 (Thu)	06:14	06:37	113	12:18	55S	17:59	248
2025 Jan 10 (Fri)	06:14	06:37	112	12:18	55S	17:59	248
2025 Jan 11 (Sat)	06:14	06:37	112	12:19	55S	18:00	248
2025 Jan 12 (Sun)	06:15	06:38	112	12:19	55S	18:01	248

2025	Jan	13	(Mon)	06:15	06:38	112	12:19	56S	18:01	248	18:24
2025	Jan	14	(Tue)	06:15	06:38	112	12:20	56S	18:02	248	18:25
2025	Jan	15	(Wed)	06:15	06:38	112	12:20	56S	18:02	249	18:25
2025	Jan	16	(Thu)	06:15	06:38	111	12:20	56S	18:03	249	18:26
2025	Jan	17	(Fri)	06:16	06:38	111	12:21	56S	18:03	249	18:26
2025	Jan	18	(Sat)	06:16	06:38	111	12:21	56S	18:04	249	18:27
2025	Jan	19	(Sun)	06:16	06:39	111	12:21	57S	18:04	249	18:27
2025	Jan	20	(Mon)	06:16	06:39	111	12:22	57S	18:05	250	18:28
2025	Jan	21	(Tue)	06:16	06:39	110	12:22	57S	18:06	250	18:28
2025	Jan	22	(Wed)	06:16	06:39	110	12:22	57S	18:06	250	18:29
2025	Jan	23	(Thu)	06:16	06:39	110	12:23	58S	18:07	250	18:29
2025	Jan	24	(Fri)	06:16	06:39	110	12:23	58S	18:07	251	18:30
2025	Jan	25	(Sat)	06:16	06:39	109	12:23	58S	18:08	251	18:30
2025	Jan	26	(Sun)	06:16	06:39	109	12:23	58S	18:08	251	18:30
2025	Jan	27	(Mon)	06:16	06:39	109	12:23	59S	18:09	251	18:31
2025	Jan	28	(Tue)	06:16	06:38	109	12:24	59S	18:09	252	18:31
2025	Jan	29	(Wed)	06:16	06:38	108	12:24	59S	18:09	252	18:32
2025	Jan	30	(Thu)	06:16	06:38	108	12:24	59S	18:10	252	18:32
2025	Jan	31	(Fri)	06:16	06:38	108	12:24	60S	18:10	252	18:33
2025	Feb	01	(Sat)	06:16	06:38	107	12:24	60S	18:11	253	18:33
2025	Feb	02	(Sun)	06:16	06:38	107	12:24	60S	18:11	253	18:33
2025	Feb	03	(Mon)	06:15	06:38	107	12:25	60S	18:12	253	18:34
2025	Feb	04	(Tue)	06:15	06:37	107	12:25	61S	18:12	254	18:34
2025	Feb	05	(Wed)	06:15	06:37	106	12:25	61S	18:12	254	18:34
2025	Feb	06	(Thu)	06:15	06:37	106	12:25	61S	18:13	254	18:35
2025	Feb	07	(Fri)	06:15	06:37	106	12:25	62S	18:13	255	18:35
2025	Feb	08	(Sat)	06:14	06:36	105	12:25	62S	18:14	255	18:36
2025	Feb	09	(Sun)	06:14	06:36	105	12:25	62S	18:14	255	18:36
2025	Feb	10	(Mon)	06:14	06:36	105	12:25	63S	18:14	256	18:36
2025	Feb	11	(Tue)	06:14	06:35	104	12:25	63S	18:15	256	18:36
2025	Feb	12	(Wed)	06:13	06:35	104	12:25	63S	18:15	256	18:37
2025	Feb	13	(Thu)	06:13	06:35	104	12:25	64S	18:15	257	18:37
2025	Feb	14	(Fri)	06:13	06:34	103	12:25	64S	18:16	257	18:37
2025	Feb	15	(Sat)	06:12	06:34	103	12:25	64S	18:16	257	18:38
2025	Feb	16	(Sun)	06:12	06:34	102	12:25	65S	18:16	258	18:38
2025	Feb	17	(Mon)	06:11	06:33	102	12:25	65S	18:16	258	18:38
2025	Feb	18	(Tue)	06:11	06:33	102	12:25	65S	18:17	258	18:38
2025	Feb	19	(Wed)	06:11	06:32	101	12:25	66S	18:17	259	18:39
2025	Feb	20	(Thu)	06:10	06:32	101	12:24	66S	18:17	259	18:39
2025	Feb	21	(Fri)	06:10	06:31	101	12:24	66S	18:17	260	18:39
2025	Feb	22	(Sat)	06:09	06:31	100	12:24	67S	18:18	260	18:39
2025	Feb	23	(Sun)	06:09	06:30	100	12:24	67S	18:18	260	18:39
2025	Feb	24	(Mon)	06:08	06:30	100	12:24	68S	18:18	261	18:40
2025	Feb	25	(Tue)	06:08	06:29	99	12:24	68S	18:18	261	18:40
2025	Feb	26	(Wed)	06:07	06:29	99	12:24	68S	18:19	261	18:40
2025	Feb	27	(Thu)	06:07	06:28	98	12:23	69S	18:19	262	18:40
2025	Feb	28	(Fri)	06:06	06:28	98	12:23	69S	18:19	262	18:40
2025	Mar	01	(Sat)	06:06	06:27	98	12:23	69S	18:19	263	18:41
2025	Mar	02	(Sun)	06:05	06:27	97	12:23	70S	18:19	263	18:41
2025	Mar	03	(Mon)	06:05	06:26	97	12:23	70S	18:20	263	18:41
2025	Mar	04	(Tue)	06:04	06:25	96	12:22	71S	18:20	264	18:41
2025	Mar	05	(Wed)	06:03	06:25	96	12:22	71S	18:20	264	18:41
2025	Mar	06	(Thu)	06:03	06:24	96	12:22	71S	18:20	265	18:41
2025	Mar	07	(Fri)	06:02	06:24	95	12:22	72S	18:20	265	18:41
2025	Mar	08	(Sat)	06:02	06:23	95	12:21	72S	18:20	265	18:42
2025	Mar	09	(Sun)	06:01	06:22	94	12:21	73S	18:20	266	18:42
2025	Mar	10	(Mon)	06:00	06:22	94	12:21	73S	18:21	266	18:42
2025	Mar	11	(Tue)	06:00	06:21	94	12:21	73S	18:21	267	18:42
2025	Mar	12	(Wed)	05:59	06:20	93	12:20	74S	18:21	267	18:42
2025	Mar	13	(Thu)	05:58	06:20	93	12:20	74S	18:21	267	18:42
2025	Mar	14	(Fri)	05:58	06:19	92	12:20	75S	18:21	268	18:42
2025	Mar	15	(Sat)	05:57	06:18	92	12:20	75S	18:21	268	18:42
2025	Mar	16	(Sun)	05:56	06:18	92	12:19	75S	18:21	269	18:42
2025	Mar	17	(Mon)	05:56	06:17	91	12:19	76S	18:21	269	18:43
2025	Mar	18	(Tue)	05:55	06:16	91	12:19	76S	18:21	269	18:43
2025	Mar	19	(Wed)	05:54	06:16	90	12:18	76S	18:21	270	18:43
2025	Mar	20	(Thu)	05:54	06:15	90	12:18	77S	18:22	270	18:43

2025 Mar 21 (Fri)	05:53	06:14	90	12:18	77S	18:22	271	18:43
2025 Mar 22 (Sat)	05:52	06:14	89	12:18	78S	18:22	271	18:43
2025 Mar 23 (Sun)	05:52	06:13	89	12:17	78S	18:22	271	18:43
2025 Mar 24 (Mon)	05:51	06:12	88	12:17	78S	18:22	272	18:43
2025 Mar 25 (Tue)	05:50	06:12	88	12:17	79S	18:22	272	18:43
2025 Mar 26 (Wed)	05:50	06:11	88	12:16	79S	18:22	273	18:43
2025 Mar 27 (Thu)	05:49	06:10	87	12:16	80S	18:22	273	18:44
2025 Mar 28 (Fri)	05:48	06:10	87	12:16	80S	18:22	273	18:44
2025 Mar 29 (Sat)	05:47	06:09	86	12:15	80S	18:22	274	18:44
2025 Mar 30 (Sun)	05:47	06:08	86	12:15	81S	18:22	274	18:44
2025 Mar 31 (Mon)	05:46	06:07	86	12:15	81S	18:23	275	18:44
2025 Apr 01 (Tue)	05:45	06:07	85	12:15	82S	18:23	275	18:44
2025 Apr 02 (Wed)	05:45	06:06	85	12:14	82S	18:23	275	18:44
2025 Apr 03 (Thu)	05:44	06:05	84	12:14	82S	18:23	276	18:44
2025 Apr 04 (Fri)	05:43	06:05	84	12:14	83S	18:23	276	18:44
2025 Apr 05 (Sat)	05:43	06:04	84	12:13	83S	18:23	277	18:44
2025 Apr 06 (Sun)	05:42	06:03	83	12:13	83S	18:23	277	18:45
2025 Apr 07 (Mon)	05:41	06:03	83	12:13	84S	18:23	277	18:45
2025 Apr 08 (Tue)	05:41	06:02	82	12:13	84S	18:23	278	18:45
2025 Apr 09 (Wed)	05:40	06:01	82	12:12	85S	18:23	278	18:45
2025 Apr 10 (Thu)	05:39	06:01	82	12:12	85S	18:23	279	18:45
2025 Apr 11 (Fri)	05:39	06:00	81	12:12	85S	18:24	279	18:45
2025 Apr 12 (Sat)	05:38	06:00	81	12:12	86S	18:24	279	18:45
2025 Apr 13 (Sun)	05:37	05:59	80	12:11	86S	18:24	280	18:45
2025 Apr 14 (Mon)	05:37	05:58	80	12:11	86S	18:24	280	18:46
2025 Apr 15 (Tue)	05:36	05:58	80	12:11	87S	18:24	280	18:46
2025 Apr 16 (Wed)	05:35	05:57	79	12:11	87S	18:24	281	18:46
2025 Apr 17 (Thu)	05:35	05:56	79	12:10	88S	18:24	281	18:46
2025 Apr 18 (Fri)	05:34	05:56	79	12:10	88S	18:24	282	18:46
2025 Apr 19 (Sat)	05:34	05:55	78	12:10	88S	18:25	282	18:46
2025 Apr 20 (Sun)	05:33	05:55	78	12:10	89S	18:25	282	18:47
2025 Apr 21 (Mon)	05:32	05:54	78	12:09	89S	18:25	283	18:47
2025 Apr 22 (Tue)	05:32	05:54	77	12:09	89S	18:25	283	18:47
2025 Apr 23 (Wed)	05:31	05:53	77	12:09	90S	18:25	283	18:47
2025 Apr 24 (Thu)	05:31	05:53	77	12:09	90S	18:25	284	18:47
2025 Apr 25 (Fri)	05:30	05:52	76	12:09	90S	18:25	284	18:48
2025 Apr 26 (Sat)	05:30	05:52	76	12:09	91S	18:26	284	18:48
2025 Apr 27 (Sun)	05:29	05:51	76	12:08	91N	18:26	285	18:48
2025 Apr 28 (Mon)	05:28	05:51	75	12:08	90N	18:26	285	18:48
2025 Apr 29 (Tue)	05:28	05:50	75	12:08	90N	18:26	285	18:48
2025 Apr 30 (Wed)	05:27	05:50	75	12:08	90N	18:26	286	18:49
2025 May 01 (Thu)	05:27	05:49	74	12:08	89N	18:27	286	18:49
2025 May 02 (Fri)	05:27	05:49	74	12:08	89N	18:27	286	18:49
2025 May 03 (Sat)	05:26	05:48	74	12:08	89N	18:27	287	18:49
2025 May 04 (Sun)	05:26	05:48	73	12:08	88N	18:27	287	18:50
2025 May 05 (Mon)	05:25	05:48	73	12:07	88N	18:28	287	18:50
2025 May 06 (Tue)	05:25	05:47	73	12:07	88N	18:28	287	18:50
2025 May 07 (Wed)	05:24	05:47	72	12:07	88N	18:28	288	18:50
2025 May 08 (Thu)	05:24	05:46	72	12:07	87N	18:28	288	18:51
2025 May 09 (Fri)	05:24	05:46	72	12:07	87N	18:28	288	18:51
2025 May 10 (Sat)	05:23	05:46	72	12:07	87N	18:29	289	18:51
2025 May 11 (Sun)	05:23	05:45	71	12:07	87N	18:29	289	18:52
2025 May 12 (Mon)	05:22	05:45	71	12:07	86N	18:29	289	18:52
2025 May 13 (Tue)	05:22	05:45	71	12:07	86N	18:29	289	18:52
2025 May 14 (Wed)	05:22	05:45	71	12:07	86N	18:30	290	18:52
2025 May 15 (Thu)	05:22	05:44	70	12:07	86N	18:30	290	18:53
2025 May 16 (Fri)	05:21	05:44	70	12:07	85N	18:30	290	18:53
2025 May 17 (Sat)	05:21	05:44	70	12:07	85N	18:31	290	18:53
2025 May 18 (Sun)	05:21	05:44	70	12:07	85N	18:31	290	18:54
2025 May 19 (Mon)	05:20	05:43	69	12:07	85N	18:31	291	18:54
2025 May 20 (Tue)	05:20	05:43	69	12:07	84N	18:31	291	18:54
2025 May 21 (Wed)	05:20	05:43	69	12:07	84N	18:32	291	18:55
2025 May 22 (Thu)	05:20	05:43	69	12:07	84N	18:32	291	18:55
2025 May 23 (Fri)	05:20	05:43	69	12:07	84N	18:32	292	18:55
2025 May 24 (Sat)	05:20	05:43	68	12:08	84N	18:33	292	18:56
2025 May 25 (Sun)	05:19	05:42	68	12:08	83N	18:33	292	18:56
2025 May 26 (Mon)	05:19	05:42	68	12:08	83N	18:33	292	18:56

2025	May	27	(Tue)	05:19	05:42	68	12:08	83N	18:34	292	18:57
2025	May	28	(Wed)	05:19	05:42	68	12:08	83N	18:34	292	18:57
2025	May	29	(Thu)	05:19	05:42	67	12:08	83N	18:34	293	18:57
2025	May	30	(Fri)	05:19	05:42	67	12:08	83N	18:35	293	18:58
2025	May	31	(Sat)	05:19	05:42	67	12:08	83N	18:35	293	18:58
2025	Jun	01	(Sun)	05:19	05:42	67	12:09	82N	18:35	293	18:58
2025	Jun	02	(Mon)	05:19	05:42	67	12:09	82N	18:36	293	18:59
2025	Jun	03	(Tue)	05:19	05:42	67	12:09	82N	18:36	293	18:59
2025	Jun	04	(Wed)	05:19	05:42	67	12:09	82N	18:36	293	18:59
2025	Jun	05	(Thu)	05:19	05:42	67	12:09	82N	18:36	294	19:00
2025	Jun	06	(Fri)	05:19	05:42	66	12:09	82N	18:37	294	19:00
2025	Jun	07	(Sat)	05:19	05:42	66	12:10	82N	18:37	294	19:00
2025	Jun	08	(Sun)	05:19	05:42	66	12:10	82N	18:37	294	19:01
2025	Jun	09	(Mon)	05:19	05:42	66	12:10	82N	18:38	294	19:01
2025	Jun	10	(Tue)	05:19	05:43	66	12:10	81N	18:38	294	19:01
2025	Jun	11	(Wed)	05:19	05:43	66	12:10	81N	18:38	294	19:02
2025	Jun	12	(Thu)	05:19	05:43	66	12:11	81N	18:38	294	19:02
2025	Jun	13	(Fri)	05:19	05:43	66	12:11	81N	18:39	294	19:02
2025	Jun	14	(Sat)	05:20	05:43	66	12:11	81N	18:39	294	19:03
2025	Jun	15	(Sun)	05:20	05:43	66	12:11	81N	18:39	294	19:03
2025	Jun	16	(Mon)	05:20	05:43	66	12:11	81N	18:40	294	19:03
2025	Jun	17	(Tue)	05:20	05:44	66	12:12	81N	18:40	294	19:03
2025	Jun	18	(Wed)	05:20	05:44	66	12:12	81N	18:40	294	19:04
2025	Jun	19	(Thu)	05:20	05:44	66	12:12	81N	18:40	294	19:04
2025	Jun	20	(Fri)	05:21	05:44	66	12:12	81N	18:41	294	19:04
2025	Jun	21	(Sat)	05:21	05:44	66	12:13	81N	18:41	294	19:04
2025	Jun	22	(Sun)	05:21	05:45	66	12:13	81N	18:41	294	19:04
2025	Jun	23	(Mon)	05:21	05:45	66	12:13	81N	18:41	294	19:05
2025	Jun	24	(Tue)	05:22	05:45	66	12:13	81N	18:41	294	19:05
2025	Jun	25	(Wed)	05:22	05:45	66	12:13	81N	18:42	294	19:05
2025	Jun	26	(Thu)	05:22	05:46	66	12:14	81N	18:42	294	19:05
2025	Jun	27	(Fri)	05:22	05:46	66	12:14	81N	18:42	294	19:05
2025	Jun	28	(Sat)	05:23	05:46	66	12:14	81N	18:42	294	19:05
2025	Jun	29	(Sun)	05:23	05:46	66	12:14	81N	18:42	294	19:06
2025	Jun	30	(Mon)	05:23	05:47	66	12:14	81N	18:42	294	19:06
2025	Jul	01	(Tue)	05:23	05:47	66	12:15	81N	18:42	294	19:06
2025	Jul	02	(Wed)	05:24	05:47	66	12:15	81N	18:42	294	19:06
2025	Jul	03	(Thu)	05:24	05:47	66	12:15	82N	18:43	294	19:06
2025	Jul	04	(Fri)	05:24	05:48	66	12:15	82N	18:43	294	19:06
2025	Jul	05	(Sat)	05:25	05:48	66	12:15	82N	18:43	294	19:06
2025	Jul	06	(Sun)	05:25	05:48	66	12:16	82N	18:43	294	19:06
2025	Jul	07	(Mon)	05:25	05:49	66	12:16	82N	18:43	293	19:06
2025	Jul	08	(Tue)	05:25	05:49	67	12:16	82N	18:43	293	19:06
2025	Jul	09	(Wed)	05:26	05:49	67	12:16	82N	18:43	293	19:06
2025	Jul	10	(Thu)	05:26	05:49	67	12:16	82N	18:43	293	19:06
2025	Jul	11	(Fri)	05:26	05:50	67	12:16	82N	18:43	293	19:06
2025	Jul	12	(Sat)	05:27	05:50	67	12:16	83N	18:43	293	19:06
2025	Jul	13	(Sun)	05:27	05:50	67	12:17	83N	18:43	293	19:06
2025	Jul	14	(Mon)	05:27	05:51	67	12:17	83N	18:43	292	19:06
2025	Jul	15	(Tue)	05:28	05:51	68	12:17	83N	18:43	292	19:06
2025	Jul	16	(Wed)	05:28	05:51	68	12:17	83N	18:42	292	19:06
2025	Jul	17	(Thu)	05:28	05:51	68	12:17	83N	18:42	292	19:05
2025	Jul	18	(Fri)	05:29	05:52	68	12:17	84N	18:42	292	19:05
2025	Jul	19	(Sat)	05:29	05:52	68	12:17	84N	18:42	292	19:05
2025	Jul	20	(Sun)	05:29	05:52	68	12:17	84N	18:42	291	19:05
2025	Jul	21	(Mon)	05:30	05:53	69	12:17	84N	18:42	291	19:05
2025	Jul	22	(Tue)	05:30	05:53	69	12:17	84N	18:42	291	19:04
2025	Jul	23	(Wed)	05:30	05:53	69	12:17	84N	18:41	291	19:04
2025	Jul	24	(Thu)	05:30	05:53	69	12:17	85N	18:41	291	19:04
2025	Jul	25	(Fri)	05:31	05:54	70	12:17	85N	18:41	290	19:04
2025	Jul	26	(Sat)	05:31	05:54	70	12:17	85N	18:41	290	19:03
2025	Jul	27	(Sun)	05:31	05:54	70	12:17	85N	18:40	290	19:03
2025	Jul	28	(Mon)	05:32	05:54	70	12:17	86N	18:40	290	19:03
2025	Jul	29	(Tue)	05:32	05:55	70	12:17	86N	18:40	289	19:02
2025	Jul	30	(Wed)	05:32	05:55	71	12:17	86N	18:39	289	19:02
2025	Jul	31	(Thu)	05:32	05:55	71	12:17	86N	18:39	289	19:02
2025	Aug	01	(Fri)	05:33	05:55	71	12:17	87N	18:39	289	19:01

2025 Aug 02 (Sat)	05:33	05:55	71	12:17	87N	18:38	288	19:01
2025 Aug 03 (Sun)	05:33	05:56	72	12:17	87N	18:38	288	19:01
2025 Aug 04 (Mon)	05:33	05:56	72	12:17	87N	18:38	288	19:00
2025 Aug 05 (Tue)	05:34	05:56	72	12:17	88N	18:37	288	19:00
2025 Aug 06 (Wed)	05:34	05:56	73	12:17	88N	18:37	287	18:59
2025 Aug 07 (Thu)	05:34	05:56	73	12:17	88N	18:36	287	18:59
2025 Aug 08 (Fri)	05:34	05:57	73	12:16	88N	18:36	287	18:58
2025 Aug 09 (Sat)	05:35	05:57	73	12:16	89N	18:36	286	18:58
2025 Aug 10 (Sun)	05:35	05:57	74	12:16	89N	18:35	286	18:57
2025 Aug 11 (Mon)	05:35	05:57	74	12:16	89N	18:35	286	18:57
2025 Aug 12 (Tue)	05:35	05:57	74	12:16	90N	18:34	285	18:56
2025 Aug 13 (Wed)	05:35	05:57	75	12:16	90N	18:34	285	18:56
2025 Aug 14 (Thu)	05:35	05:58	75	12:15	90N	18:33	285	18:55
2025 Aug 15 (Fri)	05:36	05:58	75	12:15	91N	18:33	285	18:55
2025 Aug 16 (Sat)	05:36	05:58	76	12:15	91S	18:32	284	18:54
2025 Aug 17 (Sun)	05:36	05:58	76	12:15	90S	18:32	284	18:54
2025 Aug 18 (Mon)	05:36	05:58	76	12:15	90S	18:31	284	18:53
2025 Aug 19 (Tue)	05:36	05:58	77	12:14	90S	18:30	283	18:52
2025 Aug 20 (Wed)	05:36	05:58	77	12:14	89S	18:30	283	18:52
2025 Aug 21 (Thu)	05:37	05:58	77	12:14	89S	18:29	283	18:51
2025 Aug 22 (Fri)	05:37	05:59	78	12:14	89S	18:29	282	18:50
2025 Aug 23 (Sat)	05:37	05:59	78	12:13	88S	18:28	282	18:50
2025 Aug 24 (Sun)	05:37	05:59	78	12:13	88S	18:27	281	18:49
2025 Aug 25 (Mon)	05:37	05:59	79	12:13	88S	18:27	281	18:48
2025 Aug 26 (Tue)	05:37	05:59	79	12:13	87S	18:26	281	18:48
2025 Aug 27 (Wed)	05:37	05:59	79	12:12	87S	18:25	280	18:47
2025 Aug 28 (Thu)	05:37	05:59	80	12:12	87S	18:25	280	18:46
2025 Aug 29 (Fri)	05:37	05:59	80	12:12	86S	18:24	280	18:46
2025 Aug 30 (Sat)	05:38	05:59	81	12:11	86S	18:23	279	18:45
2025 Aug 31 (Sun)	05:38	05:59	81	12:11	85S	18:23	279	18:44
2025 Sep 01 (Mon)	05:38	05:59	81	12:11	85S	18:22	279	18:44
2025 Sep 02 (Tue)	05:38	05:59	82	12:10	85S	18:21	278	18:43
2025 Sep 03 (Wed)	05:38	05:59	82	12:10	84S	18:21	278	18:42
2025 Sep 04 (Thu)	05:38	05:59	82	12:10	84S	18:20	277	18:42
2025 Sep 05 (Fri)	05:38	05:59	83	12:09	84S	18:19	277	18:41
2025 Sep 06 (Sat)	05:38	05:59	83	12:09	83S	18:19	277	18:40
2025 Sep 07 (Sun)	05:38	05:59	84	12:09	83S	18:18	276	18:39
2025 Sep 08 (Mon)	05:38	06:00	84	12:08	83S	18:17	276	18:39
2025 Sep 09 (Tue)	05:38	06:00	84	12:08	82S	18:16	275	18:38
2025 Sep 10 (Wed)	05:38	06:00	85	12:08	82S	18:16	275	18:37
2025 Sep 11 (Thu)	05:38	06:00	85	12:07	81S	18:15	275	18:36
2025 Sep 12 (Fri)	05:38	06:00	85	12:07	81S	18:14	274	18:36
2025 Sep 13 (Sat)	05:38	06:00	86	12:07	81S	18:14	274	18:35
2025 Sep 14 (Sun)	05:38	06:00	86	12:06	80S	18:13	274	18:34
2025 Sep 15 (Mon)	05:38	06:00	87	12:06	80S	18:12	273	18:33
2025 Sep 16 (Tue)	05:38	06:00	87	12:06	79S	18:11	273	18:33
2025 Sep 17 (Wed)	05:38	06:00	87	12:05	79S	18:11	272	18:32
2025 Sep 18 (Thu)	05:38	06:00	88	12:05	79S	18:10	272	18:31
2025 Sep 19 (Fri)	05:38	06:00	88	12:05	78S	18:09	272	18:30
2025 Sep 20 (Sat)	05:38	06:00	89	12:04	78S	18:08	271	18:30
2025 Sep 21 (Sun)	05:39	06:00	89	12:04	78S	18:08	271	18:29
2025 Sep 22 (Mon)	05:39	06:00	89	12:03	77S	18:07	270	18:28
2025 Sep 23 (Tue)	05:39	06:00	90	12:03	77S	18:06	270	18:27
2025 Sep 24 (Wed)	05:39	06:00	90	12:03	76S	18:05	270	18:27
2025 Sep 25 (Thu)	05:39	06:00	91	12:02	76S	18:05	269	18:26
2025 Sep 26 (Fri)	05:39	06:00	91	12:02	76S	18:04	269	18:25
2025 Sep 27 (Sat)	05:39	06:00	91	12:02	75S	18:03	268	18:25
2025 Sep 28 (Sun)	05:39	06:00	92	12:01	75S	18:03	268	18:24
2025 Sep 29 (Mon)	05:39	06:00	92	12:01	74S	18:02	268	18:23
2025 Sep 30 (Tue)	05:39	06:00	93	12:01	74S	18:01	267	18:22
2025 Oct 01 (Wed)	05:39	06:00	93	12:00	74S	18:00	267	18:22
2025 Oct 02 (Thu)	05:39	06:00	93	12:00	73S	18:00	266	18:21
2025 Oct 03 (Fri)	05:39	06:00	94	12:00	73S	17:59	266	18:20
2025 Oct 04 (Sat)	05:39	06:00	94	11:59	72S	17:58	266	18:20
2025 Oct 05 (Sun)	05:39	06:00	95	11:59	72S	17:58	265	18:19
2025 Oct 06 (Mon)	05:39	06:01	95	11:59	72S	17:57	265	18:18
2025 Oct 07 (Tue)	05:39	06:01	95	11:59	71S	17:56	264	18:18

2025	Oct	08	(Wed)	05:39	06:01	96	11:58	71S	17:56	264	18:17
2025	Oct	09	(Thu)	05:39	06:01	96	11:58	71S	17:55	264	18:16
2025	Oct	10	(Fri)	05:40	06:01	97	11:58	70S	17:54	263	18:16
2025	Oct	11	(Sat)	05:40	06:01	97	11:57	70S	17:54	263	18:15
2025	Oct	12	(Sun)	05:40	06:01	97	11:57	69S	17:53	262	18:15
2025	Oct	13	(Mon)	05:40	06:01	98	11:57	69S	17:53	262	18:14
2025	Oct	14	(Tue)	05:40	06:01	98	11:57	69S	17:52	262	18:13
2025	Oct	15	(Wed)	05:40	06:02	99	11:57	68S	17:51	261	18:13
2025	Oct	16	(Thu)	05:40	06:02	99	11:56	68S	17:51	261	18:12
2025	Oct	17	(Fri)	05:40	06:02	99	11:56	68S	17:50	260	18:12
2025	Oct	18	(Sat)	05:40	06:02	100	11:56	67S	17:50	260	18:11
2025	Oct	19	(Sun)	05:41	06:02	100	11:56	67S	17:49	260	18:11
2025	Oct	20	(Mon)	05:41	06:02	100	11:56	67S	17:49	259	18:10
2025	Oct	21	(Tue)	05:41	06:03	101	11:55	66S	17:48	259	18:10
2025	Oct	22	(Wed)	05:41	06:03	101	11:55	66S	17:48	259	18:09
2025	Oct	23	(Thu)	05:41	06:03	102	11:55	65S	17:47	258	18:09
2025	Oct	24	(Fri)	05:41	06:03	102	11:55	65S	17:47	258	18:08
2025	Oct	25	(Sat)	05:42	06:03	102	11:55	65S	17:46	258	18:08
2025	Oct	26	(Sun)	05:42	06:04	103	11:55	64S	17:46	257	18:07
2025	Oct	27	(Mon)	05:42	06:04	103	11:55	64S	17:45	257	18:07
2025	Oct	28	(Tue)	05:42	06:04	103	11:55	64S	17:45	257	18:07
2025	Oct	29	(Wed)	05:43	06:04	104	11:54	63S	17:44	256	18:06
2025	Oct	30	(Thu)	05:43	06:05	104	11:54	63S	17:44	256	18:06
2025	Oct	31	(Fri)	05:43	06:05	104	11:54	63S	17:44	256	18:06
2025	Nov	01	(Sat)	05:43	06:05	105	11:54	62S	17:43	255	18:05
2025	Nov	02	(Sun)	05:44	06:06	105	11:54	62S	17:43	255	18:05
2025	Nov	03	(Mon)	05:44	06:06	105	11:54	62S	17:43	255	18:05
2025	Nov	04	(Tue)	05:44	06:06	106	11:54	61S	17:42	254	18:04
2025	Nov	05	(Wed)	05:44	06:07	106	11:54	61S	17:42	254	18:04
2025	Nov	06	(Thu)	05:45	06:07	106	11:54	61S	17:42	254	18:04
2025	Nov	07	(Fri)	05:45	06:07	107	11:54	61S	17:41	253	18:04
2025	Nov	08	(Sat)	05:45	06:08	107	11:54	60S	17:41	253	18:03
2025	Nov	09	(Sun)	05:46	06:08	107	11:55	60S	17:41	253	18:03
2025	Nov	10	(Mon)	05:46	06:08	107	11:55	60S	17:41	252	18:03
2025	Nov	11	(Tue)	05:46	06:09	108	11:55	59S	17:41	252	18:03
2025	Nov	12	(Wed)	05:47	06:09	108	11:55	59S	17:40	252	18:03
2025	Nov	13	(Thu)	05:47	06:10	108	11:55	59S	17:40	252	18:03
2025	Nov	14	(Fri)	05:48	06:10	109	11:55	59S	17:40	251	18:03
2025	Nov	15	(Sat)	05:48	06:10	109	11:55	58S	17:40	251	18:02
2025	Nov	16	(Sun)	05:48	06:11	109	11:55	58S	17:40	251	18:02
2025	Nov	17	(Mon)	05:49	06:11	109	11:56	58S	17:40	251	18:02
2025	Nov	18	(Tue)	05:49	06:12	110	11:56	58S	17:40	250	18:02
2025	Nov	19	(Wed)	05:50	06:12	110	11:56	57S	17:40	250	18:02
2025	Nov	20	(Thu)	05:50	06:13	110	11:56	57S	17:40	250	18:02
2025	Nov	21	(Fri)	05:51	06:13	110	11:57	57S	17:40	250	18:02
2025	Nov	22	(Sat)	05:51	06:14	111	11:57	57S	17:40	249	18:02
2025	Nov	23	(Sun)	05:52	06:14	111	11:57	57S	17:40	249	18:03
2025	Nov	24	(Mon)	05:52	06:15	111	11:57	56S	17:40	249	18:03
2025	Nov	25	(Tue)	05:53	06:15	111	11:58	56S	17:40	249	18:03
2025	Nov	26	(Wed)	05:53	06:16	111	11:58	56S	17:40	249	18:03
2025	Nov	27	(Thu)	05:54	06:16	112	11:58	56S	17:40	248	18:03
2025	Nov	28	(Fri)	05:54	06:17	112	11:59	56S	17:40	248	18:03
2025	Nov	29	(Sat)	05:55	06:17	112	11:59	55S	17:41	248	18:03
2025	Nov	30	(Sun)	05:55	06:18	112	11:59	55S	17:41	248	18:04
2025	Dec	01	(Mon)	05:56	06:18	112	12:00	55S	17:41	248	18:04
2025	Dec	02	(Tue)	05:56	06:19	112	12:00	55S	17:41	248	18:04
2025	Dec	03	(Wed)	05:57	06:20	113	12:01	55S	17:41	247	18:04
2025	Dec	04	(Thu)	05:57	06:20	113	12:01	55S	17:42	247	18:05
2025	Dec	05	(Fri)	05:58	06:21	113	12:01	55S	17:42	247	18:05
2025	Dec	06	(Sat)	05:58	06:21	113	12:02	54S	17:42	247	18:05
2025	Dec	07	(Sun)	05:59	06:22	113	12:02	54S	17:43	247	18:06
2025	Dec	08	(Mon)	05:59	06:22	113	12:03	54S	17:43	247	18:06
2025	Dec	09	(Tue)	06:00	06:23	113	12:03	54S	17:43	247	18:06
2025	Dec	10	(Wed)	06:00	06:23	113	12:03	54S	17:44	247	18:07
2025	Dec	11	(Thu)	06:01	06:24	113	12:04	54S	17:44	246	18:07
2025	Dec	12	(Fri)	06:01	06:25	114	12:04	54S	17:44	246	18:07
2025	Dec	13	(Sat)	06:02	06:25	114	12:05	54S	17:45	246	18:08

2025	Dec	14	(Sun)	06:02	06:26	114	12:05	54S	17:45	246	18:08
2025	Dec	15	(Mon)	06:03	06:26	114	12:06	54S	17:45	246	18:09
2025	Dec	16	(Tue)	06:04	06:27	114	12:06	54S	17:46	246	18:09
2025	Dec	17	(Wed)	06:04	06:27	114	12:07	54S	17:46	246	18:10
2025	Dec	18	(Thu)	06:05	06:28	114	12:07	54S	17:47	246	18:10
2025	Dec	19	(Fri)	06:05	06:28	114	12:08	54S	17:47	246	18:10
2025	Dec	20	(Sat)	06:06	06:29	114	12:08	54S	17:48	246	18:11
2025	Dec	21	(Sun)	06:06	06:29	114	12:09	54S	17:48	246	18:11
2025	Dec	22	(Mon)	06:07	06:30	114	12:09	54S	17:49	246	18:12
2025	Dec	23	(Tue)	06:07	06:30	114	12:10	54S	17:49	246	18:12
2025	Dec	24	(Wed)	06:08	06:31	114	12:10	54S	17:50	246	18:13
2025	Dec	25	(Thu)	06:08	06:31	114	12:11	54S	17:50	246	18:13
2025	Dec	26	(Fri)	06:09	06:32	114	12:11	54S	17:51	246	18:14
2025	Dec	27	(Sat)	06:09	06:32	114	12:12	54S	17:51	246	18:15
2025	Dec	28	(Sun)	06:09	06:33	114	12:12	54S	17:52	246	18:15
2025	Dec	29	(Mon)	06:10	06:33	114	12:13	54S	17:53	246	18:16
2025	Dec	30	(Tue)	06:10	06:33	114	12:13	54S	17:53	246	18:16
2025	Dec	31	(Wed)	06:11	06:34	114	12:14	54S	17:54	246	18:17

Moon

VTMW

Location: E102°19'00.0", N13°46'00.0", 200m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit	Alt.	Set	Az.
	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:43	117	13:28	51S	19:15	245
2025 Jan 02 (Thu)	08:34	113	14:23	55S	20:15	250
2025 Jan 03 (Fri)	09:20	107	15:15	61S	21:12	255
2025 Jan 04 (Sat)	10:03	101	16:04	67S	22:07	262
2025 Jan 05 (Sun)	10:44	94	16:51	74S	23:01	269
2025 Jan 06 (Mon)	11:24	87	17:38	81S	23:55	276
2025 Jan 07 (Tue)	12:05	80	18:26	88S		
2025 Jan 08 (Wed)	12:48	74	19:17	87N	00:51	283
2025 Jan 09 (Thu)	13:36	68	20:11	82N	01:49	289
2025 Jan 10 (Fri)	14:28	64	21:10	78N	02:50	294
2025 Jan 11 (Sat)	15:25	61	22:10	76N	03:54	298
2025 Jan 12 (Sun)	16:26	61	23:12	76N	04:57	299
2025 Jan 13 (Mon)	17:27	62			05:57	299
2025 Jan 14 (Tue)	18:28	65	00:11	78N	06:53	296
2025 Jan 15 (Wed)	19:24	70	01:06	81N	07:42	293
2025 Jan 16 (Thu)	20:17	75	01:57	86N	08:26	288
2025 Jan 17 (Fri)	21:06	81	02:42	90S	09:05	282
2025 Jan 18 (Sat)	21:53	87	03:25	84S	09:41	276
2025 Jan 19 (Sun)	22:38	93	04:05	78S	10:15	270
2025 Jan 20 (Mon)	23:23	99	04:44	72S	10:48	264
2025 Jan 21 (Tue)			05:24	67S	11:22	258
2025 Jan 22 (Wed)	00:09	105	06:05	61S	11:58	253
2025 Jan 23 (Thu)	00:57	110	06:48	56S	12:37	248
2025 Jan 24 (Fri)	01:48	114	07:35	52S	13:20	244
2025 Jan 25 (Sat)	02:42	117	08:26	49S	14:09	242
2025 Jan 26 (Sun)	03:38	119	09:21	48S	15:02	241
2025 Jan 27 (Mon)	04:36	119	10:18	48S	16:00	241
2025 Jan 28 (Tue)	05:31	118	11:15	50S	17:01	243
2025 Jan 29 (Wed)	06:24	115	12:12	54S	18:02	248
2025 Jan 30 (Thu)	07:14	110	13:06	59S	19:01	253
2025 Jan 31 (Fri)	07:59	104	13:57	65S	19:59	260
2025 Feb 01 (Sat)	08:42	97	14:47	72S	20:55	267
2025 Feb 02 (Sun)	09:23	90	15:35	79S	21:50	274
2025 Feb 03 (Mon)	10:04	82	16:24	86S	22:47	281
2025 Feb 04 (Tue)	10:47	76	17:14	89N	23:44	288
2025 Feb 05 (Wed)	11:33	70	18:07	83N		
2025 Feb 06 (Thu)	12:23	65	19:03	79N	00:44	293

2025 Feb 07 (Fri)	13:18	62	20:03	76N	01:46	297
2025 Feb 08 (Sat)	14:16	61	21:03	76N	02:48	299
2025 Feb 09 (Sun)	15:17	61	22:02	77N	03:49	299
2025 Feb 10 (Mon)	16:16	64	22:57	80N	04:45	298
2025 Feb 11 (Tue)	17:14	68	23:49	84N	05:35	294
2025 Feb 12 (Wed)	18:07	73			06:20	290
2025 Feb 13 (Thu)	18:58	78	00:36	89N	07:01	284
2025 Feb 14 (Fri)	19:45	85	01:19	87S	07:38	278
2025 Feb 15 (Sat)	20:31	91	02:00	81S	08:12	272
2025 Feb 16 (Sun)	21:17	97	02:40	75S	08:46	266
2025 Feb 17 (Mon)	22:02	103	03:20	69S	09:20	260
2025 Feb 18 (Tue)	22:50	108	04:00	63S	09:55	255
2025 Feb 19 (Wed)	23:39	112	04:42	58S	10:32	250
2025 Feb 20 (Thu)			05:27	54S	11:13	246
2025 Feb 21 (Fri)	00:31	116	06:15	50S	11:59	243
2025 Feb 22 (Sat)	01:25	119	07:08	48S	12:49	241
2025 Feb 23 (Sun)	02:21	120	08:03	48S	13:44	240
2025 Feb 24 (Mon)	03:17	119	08:59	49S	14:43	242
2025 Feb 25 (Tue)	04:11	117	09:56	51S	15:43	245
2025 Feb 26 (Wed)	05:02	112	10:51	56S	16:44	250
2025 Feb 27 (Thu)	05:49	107	11:44	62S	17:43	256
2025 Feb 28 (Fri)	06:34	100	12:36	69S	18:41	263
2025 Mar 01 (Sat)	07:17	93	13:26	76S	19:38	271
2025 Mar 02 (Sun)	07:59	85	14:16	83S	20:36	279
2025 Mar 03 (Mon)	08:43	78	15:07	90S	21:35	286
2025 Mar 04 (Tue)	09:29	71	16:01	85N	22:37	292
2025 Mar 05 (Wed)	10:19	66	16:58	80N	23:39	296
2025 Mar 06 (Thu)	11:13	62	17:57	77N		
2025 Mar 07 (Fri)	12:11	61	18:57	76N	00:43	299
2025 Mar 08 (Sat)	13:11	61	19:56	76N	01:44	300
2025 Mar 09 (Sun)	14:10	63	20:53	79N	02:41	298
2025 Mar 10 (Mon)	15:08	66	21:45	82N	03:32	296
2025 Mar 11 (Tue)	16:02	71	22:32	87N	04:18	291
2025 Mar 12 (Wed)	16:52	76	23:16	89S	05:00	286
2025 Mar 13 (Thu)	17:40	82	23:58	83S	05:37	281
2025 Mar 14 (Fri)	18:27	88			06:12	275
2025 Mar 15 (Sat)	19:12	95	00:38	77S	06:46	269
2025 Mar 16 (Sun)	19:57	100	01:17	71S	07:19	263
2025 Mar 17 (Mon)	20:44	106	01:57	65S	07:54	257
2025 Mar 18 (Tue)	21:33	111	02:38	60S	08:30	252
2025 Mar 19 (Wed)	22:23	115	03:22	55S	09:09	247
2025 Mar 20 (Thu)	23:16	118	04:09	52S	09:53	244
2025 Mar 21 (Fri)			04:59	49S	10:41	241
2025 Mar 22 (Sat)	00:10	119	05:52	48S	11:33	240
2025 Mar 23 (Sun)	01:05	120	06:47	48S	12:29	241
2025 Mar 24 (Mon)	01:58	118	07:42	50S	13:27	243
2025 Mar 25 (Tue)	02:49	115	08:36	53S	14:26	247
2025 Mar 26 (Wed)	03:37	110	09:29	59S	15:24	253
2025 Mar 27 (Thu)	04:22	104	10:21	65S	16:22	260
2025 Mar 28 (Fri)	05:06	97	11:11	72S	17:20	267
2025 Mar 29 (Sat)	05:49	89	12:02	80S	18:18	275
2025 Mar 30 (Sun)	06:32	82	12:53	87S	19:18	282
2025 Mar 31 (Mon)	07:19	74	13:48	88N	20:21	289
2025 Apr 01 (Tue)	08:09	68	14:45	82N	21:25	294
2025 Apr 02 (Wed)	09:03	64	15:46	78N	22:31	298
2025 Apr 03 (Thu)	10:02	61	16:48	76N	23:35	300
2025 Apr 04 (Fri)	11:03	60	17:50	76N		
2025 Apr 05 (Sat)	12:04	62	18:48	78N	00:35	299
2025 Apr 06 (Sun)	13:03	65	19:42	81N	01:30	297
2025 Apr 07 (Mon)	13:58	69	20:31	86N	02:17	293
2025 Apr 08 (Tue)	14:49	75	21:15	91S	03:00	288
2025 Apr 09 (Wed)	15:38	80	21:57	85S	03:38	283
2025 Apr 10 (Thu)	16:24	86	22:37	79S	04:13	277
2025 Apr 11 (Fri)	17:09	92	23:16	73S	04:47	271
2025 Apr 12 (Sat)	17:54	98	23:56	67S	05:20	265
2025 Apr 13 (Sun)	18:41	104			05:54	259
2025 Apr 14 (Mon)	19:28	109	00:37	62S	06:30	253

2025 Apr 15 (Tue)	20:18 114	01:19 57S	07:08 249
2025 Apr 16 (Wed)	21:10 117	02:05 53S	07:50 245
2025 Apr 17 (Thu)	22:04 119	02:54 50S	08:36 242
2025 Apr 18 (Fri)	22:58 120	03:46 48S	09:27 241
2025 Apr 19 (Sat)	23:51 119	04:39 48S	10:21 241
2025 Apr 20 (Sun)		05:33 49S	11:17 242
2025 Apr 21 (Mon)	00:41 116	06:27 52S	12:14 246
2025 Apr 22 (Tue)	01:29 112	07:18 56S	13:10 250
2025 Apr 23 (Wed)	02:14 107	08:09 62S	14:07 256
2025 Apr 24 (Thu)	02:56 100	08:58 68S	15:03 263
2025 Apr 25 (Fri)	03:38 93	09:47 76S	15:59 271
2025 Apr 26 (Sat)	04:21 86	10:37 83S	16:58 278
2025 Apr 27 (Sun)	05:05 78	11:30 90S	17:59 286
2025 Apr 28 (Mon)	05:54 71	12:27 85N	19:03 292
2025 Apr 29 (Tue)	06:47 66	13:28 80N	20:11 296
2025 Apr 30 (Wed)	07:46 62	14:31 77N	21:18 299
2025 May 01 (Thu)	08:49 61	15:36 76N	22:23 299
2025 May 02 (Fri)	09:52 61	16:38 77N	23:22 298
2025 May 03 (Sat)	10:54 64	17:35 80N	
2025 May 04 (Sun)	11:52 68	18:27 84N	00:13 294
2025 May 05 (Mon)	12:45 73	19:13 89N	00:58 290
2025 May 06 (Tue)	13:35 79	19:56 87S	01:38 284
2025 May 07 (Wed)	14:22 85	20:37 81S	02:15 278
2025 May 08 (Thu)	15:07 91	21:16 75S	02:49 272
2025 May 09 (Fri)	15:52 97	21:55 69S	03:22 266
2025 May 10 (Sat)	16:38 102	22:35 63S	03:56 261
2025 May 11 (Sun)	17:25 108	23:18 58S	04:31 255
2025 May 12 (Mon)	18:14 112		05:08 250
2025 May 13 (Tue)	19:06 116	00:03 54S	05:49 246
2025 May 14 (Wed)	19:59 118	00:51 51S	06:34 243
2025 May 15 (Thu)	20:53 119	01:42 49S	07:23 241
2025 May 16 (Fri)	21:47 119	02:35 48S	08:16 241
2025 May 17 (Sat)	22:37 117	03:29 49S	09:11 242
2025 May 18 (Sun)	23:25 113	04:22 51S	10:08 245
2025 May 19 (Mon)		05:13 55S	11:03 249
2025 May 20 (Tue)	00:10 108	06:02 60S	11:58 254
2025 May 21 (Wed)	00:52 103	06:50 66S	12:52 261
2025 May 22 (Thu)	01:32 96	07:38 73S	13:46 268
2025 May 23 (Fri)	02:13 89	08:25 80S	14:42 275
2025 May 24 (Sat)	02:55 82	09:15 87S	15:40 282
2025 May 25 (Sun)	03:40 75	10:09 88N	16:41 289
2025 May 26 (Mon)	04:30 69	11:07 82N	17:47 294
2025 May 27 (Tue)	05:27 64	12:10 78N	18:55 298
2025 May 28 (Wed)	06:28 61	13:15 76N	20:03 299
2025 May 29 (Thu)	07:33 61	14:20 76N	21:06 298
2025 May 30 (Fri)	08:38 63	15:22 78N	22:03 296
2025 May 31 (Sat)	09:40 66	16:17 82N	22:52 291
2025 Jun 01 (Sun)	10:36 71	17:07 87N	23:35 286
2025 Jun 02 (Mon)	11:29 77	17:53 88S	
2025 Jun 03 (Tue)	12:18 83	18:35 83S	00:13 280
2025 Jun 04 (Wed)	13:04 89	19:15 77S	00:49 274
2025 Jun 05 (Thu)	13:49 95	19:54 71S	01:22 268
2025 Jun 06 (Fri)	14:35 101	20:34 65S	01:56 262
2025 Jun 07 (Sat)	15:21 106	21:15 60S	02:30 257
2025 Jun 08 (Sun)	16:10 111	21:59 55S	03:07 252
2025 Jun 09 (Mon)	17:01 115	22:46 52S	03:47 247
2025 Jun 10 (Tue)	17:54 118	23:37 49S	04:31 244
2025 Jun 11 (Wed)	18:48 119		05:19 241
2025 Jun 12 (Thu)	19:42 119	00:30 48S	06:11 241
2025 Jun 13 (Fri)	20:34 117	01:24 48S	07:07 241
2025 Jun 14 (Sat)	21:23 114	02:18 50S	08:03 244
2025 Jun 15 (Sun)	22:09 110	03:10 54S	08:59 248
2025 Jun 16 (Mon)	22:51 104	04:00 58S	09:54 253
2025 Jun 17 (Tue)	23:31 98	04:48 64S	10:48 259
2025 Jun 18 (Wed)		05:34 71S	11:41 265
2025 Jun 19 (Thu)	00:10 91	06:20 77S	12:34 272
2025 Jun 20 (Fri)	00:50 84	07:08 84S	13:29 280

2025 Jun 21 (Sat)	01:33	77	07:58	90N	14:27	286
2025 Jun 22 (Sun)	02:19	71	08:52	84N	15:29	292
2025 Jun 23 (Mon)	03:11	66	09:51	80N	16:34	296
2025 Jun 24 (Tue)	04:09	62	10:55	77N	17:41	299
2025 Jun 25 (Wed)	05:13	61	12:00	76N	18:47	299
2025 Jun 26 (Thu)	06:18	62	13:04	77N	19:47	297
2025 Jun 27 (Fri)	07:22	64	14:03	80N	20:41	293
2025 Jun 28 (Sat)	08:22	69	14:57	85N	21:27	288
2025 Jun 29 (Sun)	09:18	74	15:45	91N	22:09	283
2025 Jun 30 (Mon)	10:09	80	16:29	85S	22:46	277
2025 Jul 01 (Tue)	10:57	86	17:11	79S	23:21	270
2025 Jul 02 (Wed)	11:44	93	17:51	73S	23:55	264
2025 Jul 03 (Thu)	12:29	99	18:31	67S		
2025 Jul 04 (Fri)	13:16	104	19:12	62S	00:29	259
2025 Jul 05 (Sat)	14:04	109	19:55	57S	01:05	253
2025 Jul 06 (Sun)	14:54	114	20:41	53S	01:44	249
2025 Jul 07 (Mon)	15:46	117	21:30	50S	02:26	245
2025 Jul 08 (Tue)	16:40	119	22:22	48S	03:13	242
2025 Jul 09 (Wed)	17:35	119	23:17	48S	04:04	241
2025 Jul 10 (Thu)	18:29	118			04:59	241
2025 Jul 11 (Fri)	19:19	115	00:12	49S	05:56	243
2025 Jul 12 (Sat)	20:06	111	01:05	53S	06:53	246
2025 Jul 13 (Sun)	20:50	106	01:57	57S	07:49	251
2025 Jul 14 (Mon)	21:31	100	02:45	62S	08:44	257
2025 Jul 15 (Tue)	22:11	93	03:33	69S	09:37	264
2025 Jul 16 (Wed)	22:50	86	04:19	76S	10:30	271
2025 Jul 17 (Thu)	23:31	79	05:05	82S	11:24	278
2025 Jul 18 (Fri)			05:54	89S	12:20	284
2025 Jul 19 (Sat)	00:15	73	06:45	86N	13:19	290
2025 Jul 20 (Sun)	01:04	67	07:41	81N	14:21	295
2025 Jul 21 (Mon)	01:58	63	08:41	77N	15:26	298
2025 Jul 22 (Tue)	02:57	61	09:44	76N	16:31	299
2025 Jul 23 (Wed)	04:01	61	10:47	76N	17:33	298
2025 Jul 24 (Thu)	05:05	63	11:48	79N	18:29	295
2025 Jul 25 (Fri)	06:07	67	12:44	83N	19:18	291
2025 Jul 26 (Sat)	07:05	72	13:35	88N	20:02	285
2025 Jul 27 (Sun)	07:58	78	14:21	87S	20:41	279
2025 Jul 28 (Mon)	08:48	84	15:05	81S	21:17	273
2025 Jul 29 (Tue)	09:36	90	15:46	75S	21:52	267
2025 Jul 30 (Wed)	10:23	96	16:26	69S	22:27	261
2025 Jul 31 (Thu)	11:09	102	17:07	63S	23:02	255
2025 Aug 01 (Fri)	11:56	108	17:49	58S	23:39	250
2025 Aug 02 (Sat)	12:46	112	18:34	54S		
2025 Aug 03 (Sun)	13:37	116	19:22	51S	00:20	246
2025 Aug 04 (Mon)	14:30	118	20:13	49S	01:05	243
2025 Aug 05 (Tue)	15:25	119	21:06	48S	01:54	241
2025 Aug 06 (Wed)	16:19	119	22:01	49S	02:48	241
2025 Aug 07 (Thu)	17:11	117	22:56	51S	03:44	242
2025 Aug 08 (Fri)	18:00	113	23:49	55S	04:42	245
2025 Aug 09 (Sat)	18:46	108			05:39	249
2025 Aug 10 (Sun)	19:29	102	00:39	60S	06:36	255
2025 Aug 11 (Mon)	20:09	95	01:28	66S	07:31	261
2025 Aug 12 (Tue)	20:50	88	02:15	73S	08:25	268
2025 Aug 13 (Wed)	21:31	81	03:03	80S	09:19	276
2025 Aug 14 (Thu)	22:14	74	03:51	87S	10:15	282
2025 Aug 15 (Fri)	23:01	69	04:42	88N	11:14	289
2025 Aug 16 (Sat)	23:53	64	05:36	82N	12:15	294
2025 Aug 17 (Sun)			06:34	78N	13:18	298
2025 Aug 18 (Mon)	00:50	61	07:35	76N	14:22	299
2025 Aug 19 (Tue)	01:51	61	08:37	76N	15:23	299
2025 Aug 20 (Wed)	02:53	62	09:38	78N	16:20	297
2025 Aug 21 (Thu)	03:55	65	10:34	81N	17:11	293
2025 Aug 22 (Fri)	04:53	69	11:26	86N	17:56	288
2025 Aug 23 (Sat)	05:48	75	12:14	90S	18:37	282
2025 Aug 24 (Sun)	06:39	81	12:58	84S	19:14	276
2025 Aug 25 (Mon)	07:28	88	13:40	78S	19:49	269
2025 Aug 26 (Tue)	08:15	94	14:21	71S	20:24	263

2025 Aug 27 (Wed)	09:02	100	15:02	66S	20:59	257
2025 Aug 28 (Thu)	09:49	106	15:44	60S	21:36	252
2025 Aug 29 (Fri)	10:38	110	16:27	56S	22:15	247
2025 Aug 30 (Sat)	11:28	115	17:14	52S	22:58	244
2025 Aug 31 (Sun)	12:20	118	18:03	49S	23:45	241
2025 Sep 01 (Mon)	13:14	119	18:55	48S		
2025 Sep 02 (Tue)	14:08	119	19:49	48S	00:36	240
2025 Sep 03 (Wed)	15:00	118	20:43	50S	01:31	241
2025 Sep 04 (Thu)	15:50	115	21:37	53S	02:28	243
2025 Sep 05 (Fri)	16:37	111	22:28	58S	03:25	247
2025 Sep 06 (Sat)	17:22	105	23:18	64S	04:22	252
2025 Sep 07 (Sun)	18:04	98			05:18	258
2025 Sep 08 (Mon)	18:45	91	00:07	70S	06:14	265
2025 Sep 09 (Tue)	19:27	84	00:55	77S	07:09	273
2025 Sep 10 (Wed)	20:10	77	01:45	85S	08:06	280
2025 Sep 11 (Thu)	20:57	70	02:36	90N	09:05	287
2025 Sep 12 (Fri)	21:48	65	03:30	84N	10:07	292
2025 Sep 13 (Sat)	22:44	62	04:28	79N	11:11	297
2025 Sep 14 (Sun)	23:45	61	05:29	76N	12:16	299
2025 Sep 15 (Mon)			06:31	76N	13:18	299
2025 Sep 16 (Tue)	00:47	61	07:32	77N	14:16	298
2025 Sep 17 (Wed)	01:48	64	08:29	80N	15:08	294
2025 Sep 18 (Thu)	02:47	68	09:22	84N	15:54	290
2025 Sep 19 (Fri)	03:41	73	10:10	89N	16:35	284
2025 Sep 20 (Sat)	04:33	79	10:55	86S	17:13	278
2025 Sep 21 (Sun)	05:22	85	11:37	80S	17:48	272
2025 Sep 22 (Mon)	06:09	91	12:18	74S	18:23	266
2025 Sep 23 (Tue)	06:56	98	12:58	68S	18:58	260
2025 Sep 24 (Wed)	07:43	103	13:39	62S	19:34	254
2025 Sep 25 (Thu)	08:31	109	14:22	57S	20:12	249
2025 Sep 26 (Fri)	09:21	113	15:08	53S	20:53	245
2025 Sep 27 (Sat)	10:12	117	15:56	50S	21:38	242
2025 Sep 28 (Sun)	11:05	119	16:46	48S	22:27	241
2025 Sep 29 (Mon)	11:58	120	17:39	48S	23:20	241
2025 Sep 30 (Tue)	12:50	119	18:32	49S		
2025 Oct 01 (Wed)	13:40	117	19:24	51S	00:15	242
2025 Oct 02 (Thu)	14:27	113	20:16	55S	01:11	245
2025 Oct 03 (Fri)	15:12	108	21:06	61S	02:07	249
2025 Oct 04 (Sat)	15:55	102	21:54	67S	03:02	255
2025 Oct 05 (Sun)	16:36	95	22:43	74S	03:58	262
2025 Oct 06 (Mon)	17:18	87	23:32	81S	04:53	269
2025 Oct 07 (Tue)	18:01	80			05:50	276
2025 Oct 08 (Wed)	18:48	73	00:23	88S	06:50	284
2025 Oct 09 (Thu)	19:39	67	01:18	86N	07:52	290
2025 Oct 10 (Fri)	20:35	63	02:17	81N	08:58	295
2025 Oct 11 (Sat)	21:36	61	03:19	77N	10:05	298
2025 Oct 12 (Sun)	22:39	61	04:23	76N	11:10	299
2025 Oct 13 (Mon)	23:42	63	05:26	76N	12:11	298
2025 Oct 14 (Tue)			06:25	79N	13:05	295
2025 Oct 15 (Wed)	00:42	67	07:19	83N	13:53	291
2025 Oct 16 (Thu)	01:38	71	08:08	88N	14:35	286
2025 Oct 17 (Fri)	02:30	77	08:53	88S	15:13	280
2025 Oct 18 (Sat)	03:19	83	09:36	82S	15:49	274
2025 Oct 19 (Sun)	04:06	89	10:16	76S	16:24	268
2025 Oct 20 (Mon)	04:52	95	10:56	70S	16:58	262
2025 Oct 21 (Tue)	05:39	101	11:37	64S	17:33	256
2025 Oct 22 (Wed)	06:26	107	12:20	59S	18:11	251
2025 Oct 23 (Thu)	07:15	112	13:04	55S	18:51	247
2025 Oct 24 (Fri)	08:06	115	13:51	51S	19:35	243
2025 Oct 25 (Sat)	08:58	118	14:41	49S	20:22	241
2025 Oct 26 (Sun)	09:51	119	15:32	48S	21:13	241
2025 Oct 27 (Mon)	10:43	119	16:24	48S	22:06	241
2025 Oct 28 (Tue)	11:33	117	17:16	50S	23:01	244
2025 Oct 29 (Wed)	12:20	114	18:06	54S	23:55	248
2025 Oct 30 (Thu)	13:04	110	18:55	58S		
2025 Oct 31 (Fri)	13:46	105	19:43	64S	00:49	252
2025 Nov 01 (Sat)	14:27	98	20:30	70S	01:43	258

2025 Nov 02 (Sun)	15:07 91	21:18 77S	02:36 265
2025 Nov 03 (Mon)	15:49 84	22:07 85S	03:32 272
2025 Nov 04 (Tue)	16:34 77	23:00 90N	04:29 280
2025 Nov 05 (Wed)	17:23 70	23:58 84N	05:30 287
2025 Nov 06 (Thu)	18:18 65		06:36 293
2025 Nov 07 (Fri)	19:19 62	01:00 79N	07:44 297
2025 Nov 08 (Sat)	20:24 61	02:06 76N	08:53 299
2025 Nov 09 (Sun)	21:30 62	03:12 76N	09:58 299
2025 Nov 10 (Mon)	22:33 65	04:15 78N	10:57 296
2025 Nov 11 (Tue)	23:32 70	05:13 81N	11:49 292
2025 Nov 12 (Wed)		06:05 86N	12:34 287
2025 Nov 13 (Thu)	00:26 75	06:52 90S	13:14 282
2025 Nov 14 (Fri)	01:16 81	07:35 84S	13:50 276
2025 Nov 15 (Sat)	02:04 88	08:16 78S	14:25 269
2025 Nov 16 (Sun)	02:50 94	08:56 72S	14:59 263
2025 Nov 17 (Mon)	03:36 100	09:36 66S	15:34 258
2025 Nov 18 (Tue)	04:23 105	10:18 61S	16:11 252
2025 Nov 19 (Wed)	05:11 110	11:02 56S	16:50 248
2025 Nov 20 (Thu)	06:02 114	11:48 52S	17:32 244
2025 Nov 21 (Fri)	06:53 117	12:37 50S	18:19 242
2025 Nov 22 (Sat)	07:46 119	13:28 48S	19:09 241
2025 Nov 23 (Sun)	08:39 119	14:20 48S	20:01 241
2025 Nov 24 (Mon)	09:29 118	15:11 50S	20:55 243
2025 Nov 25 (Tue)	10:16 115	16:02 53S	21:49 246
2025 Nov 26 (Wed)	11:01 111	16:50 57S	22:42 251
2025 Nov 27 (Thu)	11:42 106	17:37 62S	23:34 256
2025 Nov 28 (Fri)	12:22 101	18:22 68S	
2025 Nov 29 (Sat)	13:01 94	19:08 74S	00:26 263
2025 Nov 30 (Sun)	13:40 87	19:54 81S	01:18 269
2025 Dec 01 (Mon)	14:22 80	20:44 88S	02:12 276
2025 Dec 02 (Tue)	15:08 73	21:37 87N	03:09 283
2025 Dec 03 (Wed)	15:59 68	22:37 81N	04:11 290
2025 Dec 04 (Thu)	16:57 63	23:41 78N	05:18 295
2025 Dec 05 (Fri)	18:01 61		06:27 298
2025 Dec 06 (Sat)	19:09 61	00:48 76N	07:36 299
2025 Dec 07 (Sun)	20:16 64	01:55 77N	08:41 298
2025 Dec 08 (Mon)	21:19 68	02:58 80N	09:38 294
2025 Dec 09 (Tue)	22:17 73	03:55 84N	10:27 289
2025 Dec 10 (Wed)	23:10 79	04:45 90N	11:10 284
2025 Dec 11 (Thu)	24:00 86	05:31 86S	11:49 278
2025 Dec 12 (Fri)		06:14 80S	12:25 271
2025 Dec 13 (Sat)	00:47 92	06:55 73S	13:00 265
2025 Dec 14 (Sun)	01:33 98	07:35 68S	13:34 259
2025 Dec 15 (Mon)	02:20 104	08:16 62S	14:10 254
2025 Dec 16 (Tue)	03:08 109	08:59 57S	14:49 249
2025 Dec 17 (Wed)	03:57 113	09:45 53S	15:30 245
2025 Dec 18 (Thu)	04:49 116	10:33 50S	16:16 243
2025 Dec 19 (Fri)	05:41 118	11:23 49S	17:05 241
2025 Dec 20 (Sat)	06:34 119	12:15 48S	17:57 241
2025 Dec 21 (Sun)	07:26 118	13:08 49S	18:51 242
2025 Dec 22 (Mon)	08:14 116	13:59 52S	19:45 245
2025 Dec 23 (Tue)	09:00 113	14:48 56S	20:39 250
2025 Dec 24 (Wed)	09:42 108	15:35 60S	21:31 255
2025 Dec 25 (Thu)	10:22 102	16:20 66S	22:21 261
2025 Dec 26 (Fri)	11:00 96	17:04 72S	23:12 267
2025 Dec 27 (Sat)	11:38 89	17:49 79S	
2025 Dec 28 (Sun)	12:17 83	18:35 86S	00:04 274
2025 Dec 29 (Mon)	12:59 76	19:25 89N	00:58 281
2025 Dec 30 (Tue)	13:45 70	20:19 84N	01:55 287
2025 Dec 31 (Wed)	14:38 65	21:19 79N	02:57 293