

Sun

VTMP

Location: E 99°49'00.0", N11°47'00.0", 10m
(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)	05:51	06:41 113		12:24 56S	18:08 247		18:57
2025 Jan 02 (Thu)	05:52	06:41 113		12:25 56S	18:08 247		18:58
2025 Jan 03 (Fri)	05:52	06:42 113		12:25 56S	18:09 247		18:58
2025 Jan 04 (Sat)	05:53	06:42 113		12:26 56S	18:09 247		18:59
2025 Jan 05 (Sun)	05:53	06:42 113		12:26 56S	18:10 247		18:59
2025 Jan 06 (Mon)	05:53	06:43 113		12:27 56S	18:11 247		19:00
2025 Jan 07 (Tue)	05:54	06:43 113		12:27 57S	18:11 247		19:00
2025 Jan 08 (Wed)	05:54	06:43 113		12:27 57S	18:12 248		19:01
2025 Jan 09 (Thu)	05:55	06:43 112		12:28 57S	18:12 248		19:01
2025 Jan 10 (Fri)	05:55	06:44 112		12:28 57S	18:13 248		19:02
2025 Jan 11 (Sat)	05:55	06:44 112		12:29 57S	18:13 248		19:02
2025 Jan 12 (Sun)	05:55	06:44 112		12:29 57S	18:14 248		19:03
2025 Jan 13 (Mon)	05:56	06:44 112		12:29 57S	18:14 248		19:03
2025 Jan 14 (Tue)	05:56	06:45 112		12:30 58S	18:15 248		19:04
2025 Jan 15 (Wed)	05:56	06:45 111		12:30 58S	18:15 249		19:04
2025 Jan 16 (Thu)	05:56	06:45 111		12:30 58S	18:16 249		19:05
2025 Jan 17 (Fri)	05:57	06:45 111		12:31 58S	18:17 249		19:05
2025 Jan 18 (Sat)	05:57	06:45 111		12:31 58S	18:17 249		19:05
2025 Jan 19 (Sun)	05:57	06:45 111		12:31 59S	18:18 250		19:06
2025 Jan 20 (Mon)	05:57	06:46 110		12:32 59S	18:18 250		19:06
2025 Jan 21 (Tue)	05:57	06:46 110		12:32 59S	18:18 250		19:07
2025 Jan 22 (Wed)	05:57	06:46 110		12:32 59S	18:19 250		19:07
2025 Jan 23 (Thu)	05:58	06:46 110		12:33 60S	18:19 250		19:08
2025 Jan 24 (Fri)	05:58	06:46 109		12:33 60S	18:20 251		19:08
2025 Jan 25 (Sat)	05:58	06:46 109		12:33 60S	18:20 251		19:08
2025 Jan 26 (Sun)	05:58	06:46 109		12:33 60S	18:21 251		19:09
2025 Jan 27 (Mon)	05:58	06:46 109		12:33 61S	18:21 251		19:09
2025 Jan 28 (Tue)	05:58	06:46 108		12:34 61S	18:22 252		19:09
2025 Jan 29 (Wed)	05:58	06:46 108		12:34 61S	18:22 252		19:10
2025 Jan 30 (Thu)	05:58	06:46 108		12:34 61S	18:23 252		19:10
2025 Jan 31 (Fri)	05:58	06:46 108		12:34 62S	18:23 253		19:10
2025 Feb 01 (Sat)	05:58	06:45 107		12:34 62S	18:23 253		19:11
2025 Feb 02 (Sun)	05:58	06:45 107		12:34 62S	18:24 253		19:11
2025 Feb 03 (Mon)	05:58	06:45 107		12:35 62S	18:24 253		19:11
2025 Feb 04 (Tue)	05:58	06:45 106		12:35 63S	18:24 254		19:12
2025 Feb 05 (Wed)	05:58	06:45 106		12:35 63S	18:25 254		19:12
2025 Feb 06 (Thu)	05:57	06:45 106		12:35 63S	18:25 254		19:12
2025 Feb 07 (Fri)	05:57	06:44 105		12:35 64S	18:25 255		19:13
2025 Feb 08 (Sat)	05:57	06:44 105		12:35 64S	18:26 255		19:13
2025 Feb 09 (Sun)	05:57	06:44 105		12:35 64S	18:26 255		19:13
2025 Feb 10 (Mon)	05:57	06:44 104		12:35 65S	18:26 256		19:13
2025 Feb 11 (Tue)	05:57	06:43 104		12:35 65S	18:27 256		19:13
2025 Feb 12 (Wed)	05:56	06:43 104		12:35 65S	18:27 256		19:14
2025 Feb 13 (Thu)	05:56	06:43 103		12:35 66S	18:27 257		19:14
2025 Feb 14 (Fri)	05:56	06:42 103		12:35 66S	18:27 257		19:14
2025 Feb 15 (Sat)	05:56	06:42 103		12:35 66S	18:28 257		19:14
2025 Feb 16 (Sun)	05:55	06:42 102		12:35 67S	18:28 258		19:14
2025 Feb 17 (Mon)	05:55	06:41 102		12:35 67S	18:28 258		19:15
2025 Feb 18 (Tue)	05:55	06:41 102		12:35 67S	18:28 258		19:15
2025 Feb 19 (Wed)	05:54	06:41 101		12:35 68S	18:29 259		19:15
2025 Feb 20 (Thu)	05:54	06:40 101		12:34 68S	18:29 259		19:15
2025 Feb 21 (Fri)	05:54	06:40 101		12:34 68S	18:29 260		19:15
2025 Feb 22 (Sat)	05:53	06:39 100		12:34 69S	18:29 260		19:15
2025 Feb 23 (Sun)	05:53	06:39 100		12:34 69S	18:29 260		19:15
2025 Feb 24 (Mon)	05:52	06:38 99		12:34 70S	18:30 261		19:16

2025	Feb	25	(Tue)	05:52	06:38	99	12:34	70S	18:30	261	19:16
2025	Feb	26	(Wed)	05:51	06:38	99	12:34	70S	18:30	261	19:16
2025	Feb	27	(Thu)	05:51	06:37	98	12:33	71S	18:30	262	19:16
2025	Feb	28	(Fri)	05:51	06:37	98	12:33	71S	18:30	262	19:16
2025	Mar	01	(Sat)	05:50	06:36	98	12:33	71S	18:30	263	19:16
2025	Mar	02	(Sun)	05:50	06:36	97	12:33	72S	18:30	263	19:16
2025	Mar	03	(Mon)	05:49	06:35	97	12:33	72S	18:30	263	19:16
2025	Mar	04	(Tue)	05:49	06:34	96	12:32	73S	18:31	264	19:16
2025	Mar	05	(Wed)	05:48	06:34	96	12:32	73S	18:31	264	19:16
2025	Mar	06	(Thu)	05:48	06:33	96	12:32	73S	18:31	265	19:17
2025	Mar	07	(Fri)	05:47	06:33	95	12:32	74S	18:31	265	19:17
2025	Mar	08	(Sat)	05:47	06:32	95	12:31	74S	18:31	265	19:17
2025	Mar	09	(Sun)	05:46	06:32	94	12:31	75S	18:31	266	19:17
2025	Mar	10	(Mon)	05:45	06:31	94	12:31	75S	18:31	266	19:17
2025	Mar	11	(Tue)	05:45	06:30	94	12:31	75S	18:31	267	19:17
2025	Mar	12	(Wed)	05:44	06:30	93	12:30	76S	18:31	267	19:17
2025	Mar	13	(Thu)	05:44	06:29	93	12:30	76S	18:31	267	19:17
2025	Mar	14	(Fri)	05:43	06:29	92	12:30	76S	18:31	268	19:17
2025	Mar	15	(Sat)	05:42	06:28	92	12:30	77S	18:31	268	19:17
2025	Mar	16	(Sun)	05:42	06:27	92	12:29	77S	18:31	269	19:17
2025	Mar	17	(Mon)	05:41	06:27	91	12:29	78S	18:31	269	19:17
2025	Mar	18	(Tue)	05:41	06:26	91	12:29	78S	18:31	269	19:17
2025	Mar	19	(Wed)	05:40	06:26	90	12:28	78S	18:32	270	19:17
2025	Mar	20	(Thu)	05:39	06:25	90	12:28	79S	18:32	270	19:17
2025	Mar	21	(Fri)	05:39	06:24	90	12:28	79S	18:32	271	19:17
2025	Mar	22	(Sat)	05:38	06:24	89	12:28	80S	18:32	271	19:17
2025	Mar	23	(Sun)	05:37	06:23	89	12:27	80S	18:32	271	19:17
2025	Mar	24	(Mon)	05:37	06:22	88	12:27	80S	18:32	272	19:17
2025	Mar	25	(Tue)	05:36	06:22	88	12:27	81S	18:32	272	19:17
2025	Mar	26	(Wed)	05:36	06:21	88	12:26	81S	18:32	273	19:17
2025	Mar	27	(Thu)	05:35	06:21	87	12:26	82S	18:32	273	19:17
2025	Mar	28	(Fri)	05:34	06:20	87	12:26	82S	18:32	273	19:18
2025	Mar	29	(Sat)	05:34	06:19	86	12:25	82S	18:32	274	19:18
2025	Mar	30	(Sun)	05:33	06:19	86	12:25	83S	18:32	274	19:18
2025	Mar	31	(Mon)	05:32	06:18	86	12:25	83S	18:32	275	19:18
2025	Apr	01	(Tue)	05:32	06:17	85	12:25	84S	18:32	275	19:18
2025	Apr	02	(Wed)	05:31	06:17	85	12:24	84S	18:32	275	19:18
2025	Apr	03	(Thu)	05:30	06:16	84	12:24	84S	18:32	276	19:18
2025	Apr	04	(Fri)	05:30	06:16	84	12:24	85S	18:32	276	19:18
2025	Apr	05	(Sat)	05:29	06:15	84	12:23	85S	18:32	277	19:18
2025	Apr	06	(Sun)	05:28	06:14	83	12:23	85S	18:32	277	19:18
2025	Apr	07	(Mon)	05:28	06:14	83	12:23	86S	18:32	277	19:18
2025	Apr	08	(Tue)	05:27	06:13	82	12:23	86S	18:32	278	19:18
2025	Apr	09	(Wed)	05:26	06:13	82	12:22	87S	18:32	278	19:18
2025	Apr	10	(Thu)	05:26	06:12	82	12:22	87S	18:32	278	19:19
2025	Apr	11	(Fri)	05:25	06:11	81	12:22	87S	18:32	279	19:19
2025	Apr	12	(Sat)	05:24	06:11	81	12:22	88S	18:32	279	19:19
2025	Apr	13	(Sun)	05:24	06:10	81	12:21	88S	18:32	280	19:19
2025	Apr	14	(Mon)	05:23	06:10	80	12:21	88S	18:32	280	19:19
2025	Apr	15	(Tue)	05:23	06:09	80	12:21	89S	18:33	280	19:19
2025	Apr	16	(Wed)	05:22	06:09	79	12:21	89S	18:33	281	19:19
2025	Apr	17	(Thu)	05:21	06:08	79	12:20	89S	18:33	281	19:19
2025	Apr	18	(Fri)	05:21	06:08	79	12:20	90S	18:33	281	19:20
2025	Apr	19	(Sat)	05:20	06:07	78	12:20	90S	18:33	282	19:20
2025	Apr	20	(Sun)	05:20	06:06	78	12:20	91S	18:33	282	19:20
2025	Apr	21	(Mon)	05:19	06:06	78	12:19	91N	18:33	282	19:20
2025	Apr	22	(Tue)	05:18	06:05	77	12:19	90N	18:33	283	19:20
2025	Apr	23	(Wed)	05:18	06:05	77	12:19	90N	18:33	283	19:20
2025	Apr	24	(Thu)	05:17	06:05	77	12:19	90N	18:33	283	19:21
2025	Apr	25	(Fri)	05:17	06:04	76	12:19	89N	18:33	284	19:21
2025	Apr	26	(Sat)	05:16	06:04	76	12:19	89N	18:34	284	19:21
2025	Apr	27	(Sun)	05:16	06:03	76	12:18	89N	18:34	284	19:21
2025	Apr	28	(Mon)	05:15	06:03	75	12:18	88N	18:34	285	19:21
2025	Apr	29	(Tue)	05:15	06:02	75	12:18	88N	18:34	285	19:22
2025	Apr	30	(Wed)	05:14	06:02	75	12:18	88N	18:34	285	19:22
2025	May	01	(Thu)	05:14	06:01	74	12:18	87N	18:34	286	19:22
2025	May	02	(Fri)	05:13	06:01	74	12:18	87N	18:35	286	19:22

2025	May	03	(Sat)	05:13	06:01	74	12:18	87N	18:35	286	19:23
2025	May	04	(Sun)	05:12	06:00	73	12:18	86N	18:35	287	19:23
2025	May	05	(Mon)	05:12	06:00	73	12:17	86N	18:35	287	19:23
2025	May	06	(Tue)	05:12	06:00	73	12:17	86N	18:35	287	19:23
2025	May	07	(Wed)	05:11	05:59	73	12:17	86N	18:35	288	19:24
2025	May	08	(Thu)	05:11	05:59	72	12:17	85N	18:36	288	19:24
2025	May	09	(Fri)	05:10	05:59	72	12:17	85N	18:36	288	19:24
2025	May	10	(Sat)	05:10	05:58	72	12:17	85N	18:36	288	19:25
2025	May	11	(Sun)	05:10	05:58	72	12:17	85N	18:36	289	19:25
2025	May	12	(Mon)	05:09	05:58	71	12:17	84N	18:36	289	19:25
2025	May	13	(Tue)	05:09	05:58	71	12:17	84N	18:37	289	19:25
2025	May	14	(Wed)	05:09	05:57	71	12:17	84N	18:37	289	19:26
2025	May	15	(Thu)	05:08	05:57	71	12:17	84N	18:37	290	19:26
2025	May	16	(Fri)	05:08	05:57	70	12:17	83N	18:37	290	19:26
2025	May	17	(Sat)	05:08	05:57	70	12:17	83N	18:38	290	19:27
2025	May	18	(Sun)	05:07	05:57	70	12:17	83N	18:38	290	19:27
2025	May	19	(Mon)	05:07	05:56	70	12:17	83N	18:38	291	19:27
2025	May	20	(Tue)	05:07	05:56	69	12:17	82N	18:38	291	19:28
2025	May	21	(Wed)	05:07	05:56	69	12:17	82N	18:39	291	19:28
2025	May	22	(Thu)	05:07	05:56	69	12:17	82N	18:39	291	19:28
2025	May	23	(Fri)	05:06	05:56	69	12:17	82N	18:39	291	19:29
2025	May	24	(Sat)	05:06	05:56	69	12:18	82N	18:39	292	19:29
2025	May	25	(Sun)	05:06	05:56	68	12:18	81N	18:40	292	19:29
2025	May	26	(Mon)	05:06	05:56	68	12:18	81N	18:40	292	19:30
2025	May	27	(Tue)	05:06	05:56	68	12:18	81N	18:40	292	19:30
2025	May	28	(Wed)	05:06	05:56	68	12:18	81N	18:41	292	19:30
2025	May	29	(Thu)	05:06	05:56	68	12:18	81N	18:41	292	19:31
2025	May	30	(Fri)	05:06	05:55	68	12:18	81N	18:41	293	19:31
2025	May	31	(Sat)	05:05	05:55	67	12:18	81N	18:41	293	19:32
2025	Jun	01	(Sun)	05:05	05:55	67	12:19	80N	18:42	293	19:32
2025	Jun	02	(Mon)	05:05	05:56	67	12:19	80N	18:42	293	19:32
2025	Jun	03	(Tue)	05:05	05:56	67	12:19	80N	18:42	293	19:33
2025	Jun	04	(Wed)	05:05	05:56	67	12:19	80N	18:43	293	19:33
2025	Jun	05	(Thu)	05:05	05:56	67	12:19	80N	18:43	293	19:33
2025	Jun	06	(Fri)	05:05	05:56	67	12:19	80N	18:43	293	19:34
2025	Jun	07	(Sat)	05:05	05:56	67	12:20	80N	18:43	294	19:34
2025	Jun	08	(Sun)	05:06	05:56	66	12:20	80N	18:44	294	19:34
2025	Jun	09	(Mon)	05:06	05:56	66	12:20	80N	18:44	294	19:34
2025	Jun	10	(Tue)	05:06	05:56	66	12:20	79N	18:44	294	19:35
2025	Jun	11	(Wed)	05:06	05:56	66	12:20	79N	18:45	294	19:35
2025	Jun	12	(Thu)	05:06	05:56	66	12:21	79N	18:45	294	19:35
2025	Jun	13	(Fri)	05:06	05:57	66	12:21	79N	18:45	294	19:36
2025	Jun	14	(Sat)	05:06	05:57	66	12:21	79N	18:45	294	19:36
2025	Jun	15	(Sun)	05:06	05:57	66	12:21	79N	18:46	294	19:36
2025	Jun	16	(Mon)	05:06	05:57	66	12:21	79N	18:46	294	19:37
2025	Jun	17	(Tue)	05:07	05:57	66	12:22	79N	18:46	294	19:37
2025	Jun	18	(Wed)	05:07	05:57	66	12:22	79N	18:46	294	19:37
2025	Jun	19	(Thu)	05:07	05:58	66	12:22	79N	18:47	294	19:37
2025	Jun	20	(Fri)	05:07	05:58	66	12:22	79N	18:47	294	19:37
2025	Jun	21	(Sat)	05:07	05:58	66	12:23	79N	18:47	294	19:38
2025	Jun	22	(Sun)	05:08	05:58	66	12:23	79N	18:47	294	19:38
2025	Jun	23	(Mon)	05:08	05:58	66	12:23	79N	18:47	294	19:38
2025	Jun	24	(Tue)	05:08	05:59	66	12:23	79N	18:48	294	19:38
2025	Jun	25	(Wed)	05:08	05:59	66	12:23	79N	18:48	294	19:38
2025	Jun	26	(Thu)	05:09	05:59	66	12:24	79N	18:48	294	19:39
2025	Jun	27	(Fri)	05:09	05:59	66	12:24	79N	18:48	294	19:39
2025	Jun	28	(Sat)	05:09	06:00	66	12:24	79N	18:48	294	19:39
2025	Jun	29	(Sun)	05:09	06:00	66	12:24	79N	18:49	294	19:39
2025	Jun	30	(Mon)	05:10	06:00	66	12:24	79N	18:49	294	19:39
2025	Jul	01	(Tue)	05:10	06:00	66	12:25	79N	18:49	294	19:39
2025	Jul	02	(Wed)	05:10	06:01	66	12:25	79N	18:49	294	19:39
2025	Jul	03	(Thu)	05:11	06:01	66	12:25	80N	18:49	294	19:39
2025	Jul	04	(Fri)	05:11	06:01	66	12:25	80N	18:49	294	19:39
2025	Jul	05	(Sat)	05:11	06:02	67	12:25	80N	18:49	293	19:40
2025	Jul	06	(Sun)	05:11	06:02	67	12:26	80N	18:49	293	19:40
2025	Jul	07	(Mon)	05:12	06:02	67	12:26	80N	18:49	293	19:40
2025	Jul	08	(Tue)	05:12	06:02	67	12:26	80N	18:49	293	19:40

2025	Jul	09	(Wed)	05:12	06:03	67	12:26	80N	18:49	293	19:39
2025	Jul	10	(Thu)	05:13	06:03	67	12:26	80N	18:49	293	19:39
2025	Jul	11	(Fri)	05:13	06:03	67	12:26	80N	18:49	293	19:39
2025	Jul	12	(Sat)	05:13	06:03	67	12:26	81N	18:49	293	19:39
2025	Jul	13	(Sun)	05:14	06:04	67	12:27	81N	18:49	292	19:39
2025	Jul	14	(Mon)	05:14	06:04	68	12:27	81N	18:49	292	19:39
2025	Jul	15	(Tue)	05:14	06:04	68	12:27	81N	18:49	292	19:39
2025	Jul	16	(Wed)	05:15	06:04	68	12:27	81N	18:49	292	19:39
2025	Jul	17	(Thu)	05:15	06:05	68	12:27	81N	18:49	292	19:39
2025	Jul	18	(Fri)	05:15	06:05	68	12:27	82N	18:49	292	19:39
2025	Jul	19	(Sat)	05:16	06:05	69	12:27	82N	18:49	291	19:38
2025	Jul	20	(Sun)	05:16	06:05	69	12:27	82N	18:49	291	19:38
2025	Jul	21	(Mon)	05:16	06:06	69	12:27	82N	18:49	291	19:38
2025	Jul	22	(Tue)	05:17	06:06	69	12:27	82N	18:48	291	19:38
2025	Jul	23	(Wed)	05:17	06:06	69	12:27	82N	18:48	291	19:38
2025	Jul	24	(Thu)	05:17	06:06	70	12:27	83N	18:48	290	19:37
2025	Jul	25	(Fri)	05:17	06:07	70	12:27	83N	18:48	290	19:37
2025	Jul	26	(Sat)	05:18	06:07	70	12:27	83N	18:48	290	19:37
2025	Jul	27	(Sun)	05:18	06:07	70	12:27	83N	18:47	290	19:36
2025	Jul	28	(Mon)	05:18	06:07	70	12:27	84N	18:47	289	19:36
2025	Jul	29	(Tue)	05:19	06:07	71	12:27	84N	18:47	289	19:36
2025	Jul	30	(Wed)	05:19	06:08	71	12:27	84N	18:47	289	19:35
2025	Jul	31	(Thu)	05:19	06:08	71	12:27	84N	18:46	289	19:35
2025	Aug	01	(Fri)	05:19	06:08	71	12:27	85N	18:46	288	19:35
2025	Aug	02	(Sat)	05:20	06:08	72	12:27	85N	18:46	288	19:34
2025	Aug	03	(Sun)	05:20	06:08	72	12:27	85N	18:45	288	19:34
2025	Aug	04	(Mon)	05:20	06:09	72	12:27	85N	18:45	288	19:33
2025	Aug	05	(Tue)	05:20	06:09	72	12:27	86N	18:45	287	19:33
2025	Aug	06	(Wed)	05:21	06:09	73	12:27	86N	18:44	287	19:33
2025	Aug	07	(Thu)	05:21	06:09	73	12:27	86N	18:44	287	19:32
2025	Aug	08	(Fri)	05:21	06:09	73	12:26	86N	18:44	287	19:32
2025	Aug	09	(Sat)	05:21	06:09	74	12:26	87N	18:43	286	19:31
2025	Aug	10	(Sun)	05:21	06:09	74	12:26	87N	18:43	286	19:31
2025	Aug	11	(Mon)	05:22	06:09	74	12:26	87N	18:42	286	19:30
2025	Aug	12	(Tue)	05:22	06:10	75	12:26	88N	18:42	285	19:30
2025	Aug	13	(Wed)	05:22	06:10	75	12:26	88N	18:41	285	19:29
2025	Aug	14	(Thu)	05:22	06:10	75	12:25	88N	18:41	285	19:28
2025	Aug	15	(Fri)	05:22	06:10	75	12:25	89N	18:41	284	19:28
2025	Aug	16	(Sat)	05:23	06:10	76	12:25	89N	18:40	284	19:27
2025	Aug	17	(Sun)	05:23	06:10	76	12:25	89N	18:40	284	19:27
2025	Aug	18	(Mon)	05:23	06:10	76	12:25	89N	18:39	283	19:26
2025	Aug	19	(Tue)	05:23	06:10	77	12:24	90N	18:38	283	19:26
2025	Aug	20	(Wed)	05:23	06:10	77	12:24	90N	18:38	283	19:25
2025	Aug	21	(Thu)	05:23	06:10	77	12:24	90N	18:37	282	19:24
2025	Aug	22	(Fri)	05:23	06:10	78	12:24	91S	18:37	282	19:24
2025	Aug	23	(Sat)	05:23	06:10	78	12:23	90S	18:36	282	19:23
2025	Aug	24	(Sun)	05:24	06:10	78	12:23	90S	18:36	281	19:22
2025	Aug	25	(Mon)	05:24	06:10	79	12:23	90S	18:35	281	19:22
2025	Aug	26	(Tue)	05:24	06:10	79	12:23	89S	18:35	281	19:21
2025	Aug	27	(Wed)	05:24	06:10	80	12:22	89S	18:34	280	19:21
2025	Aug	28	(Thu)	05:24	06:10	80	12:22	89S	18:33	280	19:20
2025	Aug	29	(Fri)	05:24	06:10	80	12:22	88S	18:33	280	19:19
2025	Aug	30	(Sat)	05:24	06:10	81	12:21	88S	18:32	279	19:19
2025	Aug	31	(Sun)	05:24	06:10	81	12:21	87S	18:32	279	19:18
2025	Sep	01	(Mon)	05:24	06:10	81	12:21	87S	18:31	278	19:17
2025	Sep	02	(Tue)	05:24	06:10	82	12:20	87S	18:30	278	19:16
2025	Sep	03	(Wed)	05:24	06:10	82	12:20	86S	18:30	278	19:16
2025	Sep	04	(Thu)	05:24	06:10	82	12:20	86S	18:29	277	19:15
2025	Sep	05	(Fri)	05:24	06:10	83	12:19	86S	18:28	277	19:14
2025	Sep	06	(Sat)	05:24	06:10	83	12:19	85S	18:28	277	19:14
2025	Sep	07	(Sun)	05:24	06:10	84	12:19	85S	18:27	276	19:13
2025	Sep	08	(Mon)	05:24	06:10	84	12:18	85S	18:26	276	19:12
2025	Sep	09	(Tue)	05:24	06:10	84	12:18	84S	18:26	275	19:12
2025	Sep	10	(Wed)	05:24	06:10	85	12:18	84S	18:25	275	19:11
2025	Sep	11	(Thu)	05:24	06:10	85	12:17	83S	18:24	275	19:10
2025	Sep	12	(Fri)	05:24	06:10	86	12:17	83S	18:24	274	19:09
2025	Sep	13	(Sat)	05:24	06:10	86	12:17	83S	18:23	274	19:09

2025 Sep 14 (Sun)	05:24	06:10	86	12:16	82S	18:22	273	19:08
2025 Sep 15 (Mon)	05:24	06:10	87	12:16	82S	18:22	273	19:07
2025 Sep 16 (Tue)	05:24	06:10	87	12:16	81S	18:21	273	19:07
2025 Sep 17 (Wed)	05:24	06:10	88	12:15	81S	18:20	272	19:06
2025 Sep 18 (Thu)	05:24	06:10	88	12:15	81S	18:20	272	19:05
2025 Sep 19 (Fri)	05:24	06:10	88	12:15	80S	18:19	271	19:05
2025 Sep 20 (Sat)	05:24	06:10	89	12:14	80S	18:18	271	19:04
2025 Sep 21 (Sun)	05:24	06:10	89	12:14	80S	18:18	271	19:03
2025 Sep 22 (Mon)	05:24	06:10	90	12:13	79S	18:17	270	19:03
2025 Sep 23 (Tue)	05:24	06:10	90	12:13	79S	18:16	270	19:02
2025 Sep 24 (Wed)	05:24	06:10	90	12:13	78S	18:16	269	19:01
2025 Sep 25 (Thu)	05:24	06:10	91	12:12	78S	18:15	269	19:00
2025 Sep 26 (Fri)	05:24	06:10	91	12:12	78S	18:14	269	19:00
2025 Sep 27 (Sat)	05:24	06:10	91	12:12	77S	18:14	268	18:59
2025 Sep 28 (Sun)	05:24	06:10	92	12:11	77S	18:13	268	18:58
2025 Sep 29 (Mon)	05:24	06:10	92	12:11	76S	18:12	268	18:58
2025 Sep 30 (Tue)	05:24	06:10	93	12:11	76S	18:12	267	18:57
2025 Oct 01 (Wed)	05:24	06:10	93	12:10	76S	18:11	267	18:57
2025 Oct 02 (Thu)	05:24	06:10	93	12:10	75S	18:10	266	18:56
2025 Oct 03 (Fri)	05:24	06:10	94	12:10	75S	18:10	266	18:55
2025 Oct 04 (Sat)	05:24	06:10	94	12:09	74S	18:09	266	18:55
2025 Oct 05 (Sun)	05:24	06:10	95	12:09	74S	18:08	265	18:54
2025 Oct 06 (Mon)	05:24	06:10	95	12:09	74S	18:08	265	18:53
2025 Oct 07 (Tue)	05:24	06:10	95	12:09	73S	18:07	264	18:53
2025 Oct 08 (Wed)	05:24	06:10	96	12:08	73S	18:07	264	18:52
2025 Oct 09 (Thu)	05:24	06:10	96	12:08	73S	18:06	264	18:52
2025 Oct 10 (Fri)	05:24	06:10	97	12:08	72S	18:05	263	18:51
2025 Oct 11 (Sat)	05:24	06:10	97	12:07	72S	18:05	263	18:51
2025 Oct 12 (Sun)	05:24	06:10	97	12:07	71S	18:04	262	18:50
2025 Oct 13 (Mon)	05:24	06:10	98	12:07	71S	18:04	262	18:50
2025 Oct 14 (Tue)	05:24	06:10	98	12:07	71S	18:03	262	18:49
2025 Oct 15 (Wed)	05:24	06:10	99	12:07	70S	18:03	261	18:49
2025 Oct 16 (Thu)	05:24	06:10	99	12:06	70S	18:02	261	18:48
2025 Oct 17 (Fri)	05:24	06:10	99	12:06	70S	18:02	261	18:48
2025 Oct 18 (Sat)	05:24	06:11	100	12:06	69S	18:01	260	18:47
2025 Oct 19 (Sun)	05:25	06:11	100	12:06	69S	18:01	260	18:47
2025 Oct 20 (Mon)	05:25	06:11	100	12:06	68S	18:00	259	18:46
2025 Oct 21 (Tue)	05:25	06:11	101	12:05	68S	18:00	259	18:46
2025 Oct 22 (Wed)	05:25	06:11	101	12:05	68S	17:59	259	18:46
2025 Oct 23 (Thu)	05:25	06:11	101	12:05	67S	17:59	258	18:45
2025 Oct 24 (Fri)	05:25	06:11	102	12:05	67S	17:58	258	18:45
2025 Oct 25 (Sat)	05:25	06:12	102	12:05	67S	17:58	258	18:44
2025 Oct 26 (Sun)	05:25	06:12	103	12:05	66S	17:57	257	18:44
2025 Oct 27 (Mon)	05:25	06:12	103	12:05	66S	17:57	257	18:44
2025 Oct 28 (Tue)	05:26	06:12	103	12:05	66S	17:57	257	18:43
2025 Oct 29 (Wed)	05:26	06:12	104	12:04	65S	17:56	256	18:43
2025 Oct 30 (Thu)	05:26	06:13	104	12:04	65S	17:56	256	18:43
2025 Oct 31 (Fri)	05:26	06:13	104	12:04	65S	17:56	256	18:43
2025 Nov 01 (Sat)	05:26	06:13	105	12:04	64S	17:55	255	18:42
2025 Nov 02 (Sun)	05:26	06:13	105	12:04	64S	17:55	255	18:42
2025 Nov 03 (Mon)	05:27	06:14	105	12:04	64S	17:55	255	18:42
2025 Nov 04 (Tue)	05:27	06:14	106	12:04	63S	17:55	254	18:42
2025 Nov 05 (Wed)	05:27	06:14	106	12:04	63S	17:54	254	18:42
2025 Nov 06 (Thu)	05:27	06:15	106	12:04	63S	17:54	254	18:41
2025 Nov 07 (Fri)	05:27	06:15	106	12:04	63S	17:54	253	18:41
2025 Nov 08 (Sat)	05:28	06:15	107	12:04	62S	17:54	253	18:41
2025 Nov 09 (Sun)	05:28	06:15	107	12:05	62S	17:54	253	18:41
2025 Nov 10 (Mon)	05:28	06:16	107	12:05	62S	17:53	253	18:41
2025 Nov 11 (Tue)	05:29	06:16	108	12:05	61S	17:53	252	18:41
2025 Nov 12 (Wed)	05:29	06:17	108	12:05	61S	17:53	252	18:41
2025 Nov 13 (Thu)	05:29	06:17	108	12:05	61S	17:53	252	18:41
2025 Nov 14 (Fri)	05:29	06:17	108	12:05	61S	17:53	251	18:41
2025 Nov 15 (Sat)	05:30	06:18	109	12:05	60S	17:53	251	18:41
2025 Nov 16 (Sun)	05:30	06:18	109	12:05	60S	17:53	251	18:41
2025 Nov 17 (Mon)	05:30	06:18	109	12:06	60S	17:53	251	18:41
2025 Nov 18 (Tue)	05:31	06:19	109	12:06	60S	17:53	250	18:41
2025 Nov 19 (Wed)	05:31	06:19	110	12:06	59S	17:53	250	18:41

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

Sun

VTMP

Location: E 99°49'00.0", N11°47'00.0", 10m
(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)	06:18	06:41	113	12:24	56S	18:08	247	18:31
2025 Jan 02 (Thu)	06:18	06:41	113	12:25	56S	18:08	247	18:31
2025 Jan 03 (Fri)	06:19	06:42	113	12:25	56S	18:09	247	18:32
2025 Jan 04 (Sat)	06:19	06:42	113	12:26	56S	18:09	247	18:32
2025 Jan 05 (Sun)	06:19	06:42	113	12:26	56S	18:10	247	18:33
2025 Jan 06 (Mon)	06:20	06:43	113	12:27	56S	18:11	247	18:33
2025 Jan 07 (Tue)	06:20	06:43	113	12:27	57S	18:11	247	18:34
2025 Jan 08 (Wed)	06:20	06:43	113	12:27	57S	18:12	248	18:34
2025 Jan 09 (Thu)	06:21	06:43	112	12:28	57S	18:12	248	18:35
2025 Jan 10 (Fri)	06:21	06:44	112	12:28	57S	18:13	248	18:36
2025 Jan 11 (Sat)	06:21	06:44	112	12:29	57S	18:13	248	18:36
2025 Jan 12 (Sun)	06:22	06:44	112	12:29	57S	18:14	248	18:37

2025	Jan	13	(Mon)	06:22	06:44	112	12:29	57S	18:14	248	18:37
2025	Jan	14	(Tue)	06:22	06:45	112	12:30	58S	18:15	248	18:38
2025	Jan	15	(Wed)	06:22	06:45	111	12:30	58S	18:15	249	18:38
2025	Jan	16	(Thu)	06:22	06:45	111	12:30	58S	18:16	249	18:39
2025	Jan	17	(Fri)	06:23	06:45	111	12:31	58S	18:17	249	18:39
2025	Jan	18	(Sat)	06:23	06:45	111	12:31	58S	18:17	249	18:40
2025	Jan	19	(Sun)	06:23	06:45	111	12:31	59S	18:18	250	18:40
2025	Jan	20	(Mon)	06:23	06:46	110	12:32	59S	18:18	250	18:40
2025	Jan	21	(Tue)	06:23	06:46	110	12:32	59S	18:18	250	18:41
2025	Jan	22	(Wed)	06:23	06:46	110	12:32	59S	18:19	250	18:41
2025	Jan	23	(Thu)	06:23	06:46	110	12:33	60S	18:19	250	18:42
2025	Jan	24	(Fri)	06:23	06:46	109	12:33	60S	18:20	251	18:42
2025	Jan	25	(Sat)	06:24	06:46	109	12:33	60S	18:20	251	18:43
2025	Jan	26	(Sun)	06:24	06:46	109	12:33	60S	18:21	251	18:43
2025	Jan	27	(Mon)	06:24	06:46	109	12:33	61S	18:21	251	18:43
2025	Jan	28	(Tue)	06:24	06:46	108	12:34	61S	18:22	252	18:44
2025	Jan	29	(Wed)	06:24	06:46	108	12:34	61S	18:22	252	18:44
2025	Jan	30	(Thu)	06:23	06:46	108	12:34	61S	18:23	252	18:45
2025	Jan	31	(Fri)	06:23	06:46	108	12:34	62S	18:23	253	18:45
2025	Feb	01	(Sat)	06:23	06:45	107	12:34	62S	18:23	253	18:45
2025	Feb	02	(Sun)	06:23	06:45	107	12:34	62S	18:24	253	18:46
2025	Feb	03	(Mon)	06:23	06:45	107	12:35	62S	18:24	253	18:46
2025	Feb	04	(Tue)	06:23	06:45	106	12:35	63S	18:24	254	18:46
2025	Feb	05	(Wed)	06:23	06:45	106	12:35	63S	18:25	254	18:47
2025	Feb	06	(Thu)	06:23	06:45	106	12:35	63S	18:25	254	18:47
2025	Feb	07	(Fri)	06:23	06:44	105	12:35	64S	18:25	255	18:47
2025	Feb	08	(Sat)	06:22	06:44	105	12:35	64S	18:26	255	18:48
2025	Feb	09	(Sun)	06:22	06:44	105	12:35	64S	18:26	255	18:48
2025	Feb	10	(Mon)	06:22	06:44	104	12:35	65S	18:26	256	18:48
2025	Feb	11	(Tue)	06:22	06:43	104	12:35	65S	18:27	256	18:48
2025	Feb	12	(Wed)	06:21	06:43	104	12:35	65S	18:27	256	18:49
2025	Feb	13	(Thu)	06:21	06:43	103	12:35	66S	18:27	257	18:49
2025	Feb	14	(Fri)	06:21	06:42	103	12:35	66S	18:27	257	18:49
2025	Feb	15	(Sat)	06:21	06:42	103	12:35	66S	18:28	257	18:49
2025	Feb	16	(Sun)	06:20	06:42	102	12:35	67S	18:28	258	18:49
2025	Feb	17	(Mon)	06:20	06:41	102	12:35	67S	18:28	258	18:50
2025	Feb	18	(Tue)	06:19	06:41	102	12:35	67S	18:28	258	18:50
2025	Feb	19	(Wed)	06:19	06:41	101	12:35	68S	18:29	259	18:50
2025	Feb	20	(Thu)	06:19	06:40	101	12:34	68S	18:29	259	18:50
2025	Feb	21	(Fri)	06:18	06:40	101	12:34	68S	18:29	260	18:50
2025	Feb	22	(Sat)	06:18	06:39	100	12:34	69S	18:29	260	18:51
2025	Feb	23	(Sun)	06:18	06:39	100	12:34	69S	18:29	260	18:51
2025	Feb	24	(Mon)	06:17	06:38	99	12:34	70S	18:30	261	18:51
2025	Feb	25	(Tue)	06:17	06:38	99	12:34	70S	18:30	261	18:51
2025	Feb	26	(Wed)	06:16	06:38	99	12:34	70S	18:30	261	18:51
2025	Feb	27	(Thu)	06:16	06:37	98	12:33	71S	18:30	262	18:51
2025	Feb	28	(Fri)	06:15	06:37	98	12:33	71S	18:30	262	18:51
2025	Mar	01	(Sat)	06:15	06:36	98	12:33	71S	18:30	263	18:51
2025	Mar	02	(Sun)	06:14	06:36	97	12:33	72S	18:30	263	18:52
2025	Mar	03	(Mon)	06:14	06:35	97	12:33	72S	18:30	263	18:52
2025	Mar	04	(Tue)	06:13	06:34	96	12:32	73S	18:31	264	18:52
2025	Mar	05	(Wed)	06:13	06:34	96	12:32	73S	18:31	264	18:52
2025	Mar	06	(Thu)	06:12	06:33	96	12:32	73S	18:31	265	18:52
2025	Mar	07	(Fri)	06:12	06:33	95	12:32	74S	18:31	265	18:52
2025	Mar	08	(Sat)	06:11	06:32	95	12:31	74S	18:31	265	18:52
2025	Mar	09	(Sun)	06:11	06:32	94	12:31	75S	18:31	266	18:52
2025	Mar	10	(Mon)	06:10	06:31	94	12:31	75S	18:31	266	18:52
2025	Mar	11	(Tue)	06:09	06:30	94	12:31	75S	18:31	267	18:52
2025	Mar	12	(Wed)	06:09	06:30	93	12:30	76S	18:31	267	18:52
2025	Mar	13	(Thu)	06:08	06:29	93	12:30	76S	18:31	267	18:52
2025	Mar	14	(Fri)	06:08	06:29	92	12:30	76S	18:31	268	18:52
2025	Mar	15	(Sat)	06:07	06:28	92	12:30	77S	18:31	268	18:52
2025	Mar	16	(Sun)	06:06	06:27	92	12:29	77S	18:31	269	18:53
2025	Mar	17	(Mon)	06:06	06:27	91	12:29	78S	18:31	269	18:53
2025	Mar	18	(Tue)	06:05	06:26	91	12:29	78S	18:31	269	18:53
2025	Mar	19	(Wed)	06:05	06:26	90	12:28	78S	18:32	270	18:53
2025	Mar	20	(Thu)	06:04	06:25	90	12:28	79S	18:32	270	18:53

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

2025 May 27 (Tue)	05:33	05:56	68	12:18	81N	18:40	292	19:03
2025 May 28 (Wed)	05:33	05:56	68	12:18	81N	18:41	292	19:04
2025 May 29 (Thu)	05:33	05:56	68	12:18	81N	18:41	292	19:04
2025 May 30 (Fri)	05:33	05:55	68	12:18	81N	18:41	293	19:04
2025 May 31 (Sat)	05:32	05:55	67	12:18	81N	18:41	293	19:04
2025 Jun 01 (Sun)	05:32	05:55	67	12:19	80N	18:42	293	19:05
2025 Jun 02 (Mon)	05:32	05:56	67	12:19	80N	18:42	293	19:05
2025 Jun 03 (Tue)	05:32	05:56	67	12:19	80N	18:42	293	19:05
2025 Jun 04 (Wed)	05:33	05:56	67	12:19	80N	18:43	293	19:06
2025 Jun 05 (Thu)	05:33	05:56	67	12:19	80N	18:43	293	19:06
2025 Jun 06 (Fri)	05:33	05:56	67	12:19	80N	18:43	293	19:06
2025 Jun 07 (Sat)	05:33	05:56	67	12:20	80N	18:43	294	19:07
2025 Jun 08 (Sun)	05:33	05:56	66	12:20	80N	18:44	294	19:07
2025 Jun 09 (Mon)	05:33	05:56	66	12:20	80N	18:44	294	19:07
2025 Jun 10 (Tue)	05:33	05:56	66	12:20	79N	18:44	294	19:08
2025 Jun 11 (Wed)	05:33	05:56	66	12:20	79N	18:45	294	19:08
2025 Jun 12 (Thu)	05:33	05:56	66	12:21	79N	18:45	294	19:08
2025 Jun 13 (Fri)	05:33	05:57	66	12:21	79N	18:45	294	19:08
2025 Jun 14 (Sat)	05:33	05:57	66	12:21	79N	18:45	294	19:09
2025 Jun 15 (Sun)	05:34	05:57	66	12:21	79N	18:46	294	19:09
2025 Jun 16 (Mon)	05:34	05:57	66	12:21	79N	18:46	294	19:09
2025 Jun 17 (Tue)	05:34	05:57	66	12:22	79N	18:46	294	19:09
2025 Jun 18 (Wed)	05:34	05:57	66	12:22	79N	18:46	294	19:10
2025 Jun 19 (Thu)	05:34	05:58	66	12:22	79N	18:47	294	19:10
2025 Jun 20 (Fri)	05:35	05:58	66	12:22	79N	18:47	294	19:10
2025 Jun 21 (Sat)	05:35	05:58	66	12:23	79N	18:47	294	19:10
2025 Jun 22 (Sun)	05:35	05:58	66	12:23	79N	18:47	294	19:11
2025 Jun 23 (Mon)	05:35	05:58	66	12:23	79N	18:47	294	19:11
2025 Jun 24 (Tue)	05:35	05:59	66	12:23	79N	18:48	294	19:11
2025 Jun 25 (Wed)	05:36	05:59	66	12:23	79N	18:48	294	19:11
2025 Jun 26 (Thu)	05:36	05:59	66	12:24	79N	18:48	294	19:11
2025 Jun 27 (Fri)	05:36	05:59	66	12:24	79N	18:48	294	19:11
2025 Jun 28 (Sat)	05:36	06:00	66	12:24	79N	18:48	294	19:12
2025 Jun 29 (Sun)	05:37	06:00	66	12:24	79N	18:49	294	19:12
2025 Jun 30 (Mon)	05:37	06:00	66	12:24	79N	18:49	294	19:12
2025 Jul 01 (Tue)	05:37	06:00	66	12:25	79N	18:49	294	19:12
2025 Jul 02 (Wed)	05:38	06:01	66	12:25	79N	18:49	294	19:12
2025 Jul 03 (Thu)	05:38	06:01	66	12:25	80N	18:49	294	19:12
2025 Jul 04 (Fri)	05:38	06:01	66	12:25	80N	18:49	294	19:12
2025 Jul 05 (Sat)	05:38	06:02	67	12:25	80N	18:49	293	19:12
2025 Jul 06 (Sun)	05:39	06:02	67	12:26	80N	18:49	293	19:12
2025 Jul 07 (Mon)	05:39	06:02	67	12:26	80N	18:49	293	19:12
2025 Jul 08 (Tue)	05:39	06:02	67	12:26	80N	18:49	293	19:12
2025 Jul 09 (Wed)	05:40	06:03	67	12:26	80N	18:49	293	19:12
2025 Jul 10 (Thu)	05:40	06:03	67	12:26	80N	18:49	293	19:12
2025 Jul 11 (Fri)	05:40	06:03	67	12:26	80N	18:49	293	19:12
2025 Jul 12 (Sat)	05:40	06:03	67	12:26	81N	18:49	293	19:12
2025 Jul 13 (Sun)	05:41	06:04	67	12:27	81N	18:49	292	19:12
2025 Jul 14 (Mon)	05:41	06:04	68	12:27	81N	18:49	292	19:12
2025 Jul 15 (Tue)	05:41	06:04	68	12:27	81N	18:49	292	19:12
2025 Jul 16 (Wed)	05:42	06:04	68	12:27	81N	18:49	292	19:12
2025 Jul 17 (Thu)	05:42	06:05	68	12:27	81N	18:49	292	19:12
2025 Jul 18 (Fri)	05:42	06:05	68	12:27	82N	18:49	292	19:12
2025 Jul 19 (Sat)	05:42	06:05	69	12:27	82N	18:49	291	19:12
2025 Jul 20 (Sun)	05:43	06:05	69	12:27	82N	18:49	291	19:11
2025 Jul 21 (Mon)	05:43	06:06	69	12:27	82N	18:49	291	19:11
2025 Jul 22 (Tue)	05:43	06:06	69	12:27	82N	18:48	291	19:11
2025 Jul 23 (Wed)	05:43	06:06	69	12:27	82N	18:48	291	19:11
2025 Jul 24 (Thu)	05:44	06:06	70	12:27	83N	18:48	290	19:11
2025 Jul 25 (Fri)	05:44	06:07	70	12:27	83N	18:48	290	19:10
2025 Jul 26 (Sat)	05:44	06:07	70	12:27	83N	18:48	290	19:10
2025 Jul 27 (Sun)	05:45	06:07	70	12:27	83N	18:47	290	19:10
2025 Jul 28 (Mon)	05:45	06:07	70	12:27	84N	18:47	289	19:10
2025 Jul 29 (Tue)	05:45	06:07	71	12:27	84N	18:47	289	19:09
2025 Jul 30 (Wed)	05:45	06:08	71	12:27	84N	18:47	289	19:09
2025 Jul 31 (Thu)	05:45	06:08	71	12:27	84N	18:46	289	19:09
2025 Aug 01 (Fri)	05:46	06:08	71	12:27	85N	18:46	288	19:08

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

2025	Oct	08	(Wed)	05:49	06:10	96	12:08	73S	18:07	264	18:28
2025	Oct	09	(Thu)	05:49	06:10	96	12:08	73S	18:06	264	18:27
2025	Oct	10	(Fri)	05:49	06:10	97	12:08	72S	18:05	263	18:27
2025	Oct	11	(Sat)	05:49	06:10	97	12:07	72S	18:05	263	18:26
2025	Oct	12	(Sun)	05:49	06:10	97	12:07	71S	18:04	262	18:25
2025	Oct	13	(Mon)	05:49	06:10	98	12:07	71S	18:04	262	18:25
2025	Oct	14	(Tue)	05:49	06:10	98	12:07	71S	18:03	262	18:24
2025	Oct	15	(Wed)	05:49	06:10	99	12:07	70S	18:03	261	18:24
2025	Oct	16	(Thu)	05:49	06:10	99	12:06	70S	18:02	261	18:23
2025	Oct	17	(Fri)	05:49	06:10	99	12:06	70S	18:02	261	18:23
2025	Oct	18	(Sat)	05:49	06:11	100	12:06	69S	18:01	260	18:22
2025	Oct	19	(Sun)	05:49	06:11	100	12:06	69S	18:01	260	18:22
2025	Oct	20	(Mon)	05:49	06:11	100	12:06	68S	18:00	259	18:22
2025	Oct	21	(Tue)	05:50	06:11	101	12:05	68S	18:00	259	18:21
2025	Oct	22	(Wed)	05:50	06:11	101	12:05	68S	17:59	259	18:21
2025	Oct	23	(Thu)	05:50	06:11	101	12:05	67S	17:59	258	18:20
2025	Oct	24	(Fri)	05:50	06:11	102	12:05	67S	17:58	258	18:20
2025	Oct	25	(Sat)	05:50	06:12	102	12:05	67S	17:58	258	18:19
2025	Oct	26	(Sun)	05:50	06:12	103	12:05	66S	17:57	257	18:19
2025	Oct	27	(Mon)	05:50	06:12	103	12:05	66S	17:57	257	18:19
2025	Oct	28	(Tue)	05:51	06:12	103	12:05	66S	17:57	257	18:18
2025	Oct	29	(Wed)	05:51	06:12	104	12:04	65S	17:56	256	18:18
2025	Oct	30	(Thu)	05:51	06:13	104	12:04	65S	17:56	256	18:18
2025	Oct	31	(Fri)	05:51	06:13	104	12:04	65S	17:56	256	18:17
2025	Nov	01	(Sat)	05:51	06:13	105	12:04	64S	17:55	255	18:17
2025	Nov	02	(Sun)	05:52	06:13	105	12:04	64S	17:55	255	18:17
2025	Nov	03	(Mon)	05:52	06:14	105	12:04	64S	17:55	255	18:17
2025	Nov	04	(Tue)	05:52	06:14	106	12:04	63S	17:55	254	18:16
2025	Nov	05	(Wed)	05:52	06:14	106	12:04	63S	17:54	254	18:16
2025	Nov	06	(Thu)	05:53	06:15	106	12:04	63S	17:54	254	18:16
2025	Nov	07	(Fri)	05:53	06:15	106	12:04	63S	17:54	253	18:16
2025	Nov	08	(Sat)	05:53	06:15	107	12:04	62S	17:54	253	18:16
2025	Nov	09	(Sun)	05:53	06:15	107	12:05	62S	17:54	253	18:16
2025	Nov	10	(Mon)	05:54	06:16	107	12:05	62S	17:53	253	18:15
2025	Nov	11	(Tue)	05:54	06:16	108	12:05	61S	17:53	252	18:15
2025	Nov	12	(Wed)	05:54	06:17	108	12:05	61S	17:53	252	18:15
2025	Nov	13	(Thu)	05:55	06:17	108	12:05	61S	17:53	252	18:15
2025	Nov	14	(Fri)	05:55	06:17	108	12:05	61S	17:53	251	18:15
2025	Nov	15	(Sat)	05:55	06:18	109	12:05	60S	17:53	251	18:15
2025	Nov	16	(Sun)	05:56	06:18	109	12:05	60S	17:53	251	18:15
2025	Nov	17	(Mon)	05:56	06:18	109	12:06	60S	17:53	251	18:15
2025	Nov	18	(Tue)	05:57	06:19	109	12:06	60S	17:53	250	18:15
2025	Nov	19	(Wed)	05:57	06:19	110	12:06	59S	17:53	250	18:15
2025	Nov	20	(Thu)	05:57	06:20	110	12:06	59S	17:53	250	18:15
2025	Nov	21	(Fri)	05:58	06:20	110	12:07	59S	17:53	250	18:15
2025	Nov	22	(Sat)	05:58	06:21	110	12:07	59S	17:53	249	18:15
2025	Nov	23	(Sun)	05:59	06:21	111	12:07	59S	17:53	249	18:15
2025	Nov	24	(Mon)	05:59	06:22	111	12:07	58S	17:53	249	18:16
2025	Nov	25	(Tue)	06:00	06:22	111	12:08	58S	17:53	249	18:16
2025	Nov	26	(Wed)	06:00	06:23	111	12:08	58S	17:53	249	18:16
2025	Nov	27	(Thu)	06:01	06:23	111	12:08	58S	17:54	248	18:16
2025	Nov	28	(Fri)	06:01	06:24	112	12:09	58S	17:54	248	18:16
2025	Nov	29	(Sat)	06:01	06:24	112	12:09	57S	17:54	248	18:17
2025	Nov	30	(Sun)	06:02	06:25	112	12:09	57S	17:54	248	18:17
2025	Dec	01	(Mon)	06:02	06:25	112	12:10	57S	17:54	248	18:17
2025	Dec	02	(Tue)	06:03	06:26	112	12:10	57S	17:55	248	18:17
2025	Dec	03	(Wed)	06:03	06:26	112	12:11	57S	17:55	248	18:18
2025	Dec	04	(Thu)	06:04	06:27	113	12:11	57S	17:55	247	18:18
2025	Dec	05	(Fri)	06:04	06:27	113	12:11	57S	17:55	247	18:18
2025	Dec	06	(Sat)	06:05	06:28	113	12:12	56S	17:56	247	18:18
2025	Dec	07	(Sun)	06:05	06:28	113	12:12	56S	17:56	247	18:19
2025	Dec	08	(Mon)	06:06	06:29	113	12:13	56S	17:56	247	18:19
2025	Dec	09	(Tue)	06:06	06:29	113	12:13	56S	17:57	247	18:20
2025	Dec	10	(Wed)	06:07	06:30	113	12:13	56S	17:57	247	18:20
2025	Dec	11	(Thu)	06:08	06:30	113	12:14	56S	17:57	247	18:20
2025	Dec	12	(Fri)	06:08	06:31	113	12:14	56S	17:58	247	18:21
2025	Dec	13	(Sat)	06:09	06:32	113	12:15	56S	17:58	246	18:21

2025	Dec 14	(Sun)	06:09	06:32	114	12:15	56S	17:59	246	18:22
2025	Dec 15	(Mon)	06:10	06:33	114	12:16	56S	17:59	246	18:22
2025	Dec 16	(Tue)	06:10	06:33	114	12:16	56S	18:00	246	18:22
2025	Dec 17	(Wed)	06:11	06:34	114	12:17	56S	18:00	246	18:23
2025	Dec 18	(Thu)	06:11	06:34	114	12:17	56S	18:00	246	18:23
2025	Dec 19	(Fri)	06:12	06:35	114	12:18	56S	18:01	246	18:24
2025	Dec 20	(Sat)	06:12	06:35	114	12:18	55S	18:01	246	18:24
2025	Dec 21	(Sun)	06:13	06:36	114	12:19	55S	18:02	246	18:25
2025	Dec 22	(Mon)	06:13	06:36	114	12:19	55S	18:02	246	18:25
2025	Dec 23	(Tue)	06:14	06:37	114	12:20	55S	18:03	246	18:26
2025	Dec 24	(Wed)	06:14	06:37	114	12:20	56S	18:03	246	18:26
2025	Dec 25	(Thu)	06:15	06:38	114	12:21	56S	18:04	246	18:27
2025	Dec 26	(Fri)	06:15	06:38	114	12:21	56S	18:04	246	18:27
2025	Dec 27	(Sat)	06:16	06:39	114	12:22	56S	18:05	246	18:28
2025	Dec 28	(Sun)	06:16	06:39	114	12:22	56S	18:06	246	18:28
2025	Dec 29	(Mon)	06:17	06:39	114	12:23	56S	18:06	246	18:29
2025	Dec 30	(Tue)	06:17	06:40	114	12:23	56S	18:07	247	18:30
2025	Dec 31	(Wed)	06:17	06:40	113	12:24	56S	18:07	247	18:30

Moon

VTMP

Location: E 99°49'00.0", N11°47'00.0", 10m
(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)	07:49	116	13:39	53S	19:30	245
2025 Jan 02 (Thu)	08:41	113	14:33	58S	20:28	250
2025 Jan 03 (Fri)	09:28	107	15:25	63S	21:24	256
2025 Jan 04 (Sat)	10:12	101	16:14	69S	22:19	262
2025 Jan 05 (Sun)	10:54	94	17:01	76S	23:12	269
2025 Jan 06 (Mon)	11:35	87	17:48	83S		
2025 Jan 07 (Tue)	12:17	80	18:37	90S	00:05	276
2025 Jan 08 (Wed)	13:01	74	19:27	85N	01:00	283
2025 Jan 09 (Thu)	13:49	68	20:22	80N	01:57	289
2025 Jan 10 (Fri)	14:42	64	21:20	76N	02:57	294
2025 Jan 11 (Sat)	15:40	62	22:21	74N	04:00	298
2025 Jan 12 (Sun)	16:41	61	23:22	74N	05:03	299
2025 Jan 13 (Mon)	17:42	62			06:03	299
2025 Jan 14 (Tue)	18:42	65	00:22	76N	06:59	296
2025 Jan 15 (Wed)	19:38	70	01:17	79N	07:49	292
2025 Jan 16 (Thu)	20:29	75	02:07	84N	08:33	287
2025 Jan 17 (Fri)	21:18	81	02:53	89N	09:13	282
2025 Jan 18 (Sat)	22:03	87	03:35	86S	09:50	276
2025 Jan 19 (Sun)	22:48	93	04:15	80S	10:25	270
2025 Jan 20 (Mon)	23:32	99	04:55	74S	10:59	264
2025 Jan 21 (Tue)			05:34	69S	11:34	258
2025 Jan 22 (Wed)	00:17	104	06:15	63S	12:11	253
2025 Jan 23 (Thu)	01:05	109	06:59	58S	12:50	248
2025 Jan 24 (Fri)	01:55	114	07:45	54S	13:34	245
2025 Jan 25 (Sat)	02:48	117	08:36	51S	14:23	242
2025 Jan 26 (Sun)	03:44	119	09:31	50S	15:17	241
2025 Jan 27 (Mon)	04:41	119	10:28	50S	16:15	241
2025 Jan 28 (Tue)	05:37	118	11:26	52S	17:16	244
2025 Jan 29 (Wed)	06:31	114	12:22	56S	18:16	248
2025 Jan 30 (Thu)	07:21	110	13:16	61S	19:14	253
2025 Jan 31 (Fri)	08:07	103	14:08	67S	20:11	260
2025 Feb 01 (Sat)	08:51	97	14:57	74S	21:06	267
2025 Feb 02 (Sun)	09:33	89	15:45	81S	22:00	274
2025 Feb 03 (Mon)	10:16	82	16:34	88S	22:55	281
2025 Feb 04 (Tue)	11:00	76	17:24	87N	23:52	288
2025 Feb 05 (Wed)	11:47	70	18:17	81N		
2025 Feb 06 (Thu)	12:38	65	19:14	77N	00:51	293

2025 Feb 07 (Fri)	13:33	62	20:13	74N	01:52	297
2025 Feb 08 (Sat)	14:32	61	21:13	74N	02:54	299
2025 Feb 09 (Sun)	15:32	61	22:12	75N	03:54	299
2025 Feb 10 (Mon)	16:31	64	23:08	78N	04:51	297
2025 Feb 11 (Tue)	17:27	68	23:59	82N	05:42	294
2025 Feb 12 (Wed)	18:20	73			06:28	290
2025 Feb 13 (Thu)	19:10	79	00:46	87N	07:09	284
2025 Feb 14 (Fri)	19:56	85	01:30	89S	07:47	278
2025 Feb 15 (Sat)	20:42	91	02:11	83S	08:22	272
2025 Feb 16 (Sun)	21:26	97	02:50	77S	08:57	266
2025 Feb 17 (Mon)	22:11	102	03:30	71S	09:31	260
2025 Feb 18 (Tue)	22:57	108	04:10	65S	10:07	255
2025 Feb 19 (Wed)	23:46	112	04:52	60S	10:45	250
2025 Feb 20 (Thu)			05:37	56S	11:27	246
2025 Feb 21 (Fri)	00:37	116	06:26	52S	12:13	243
2025 Feb 22 (Sat)	01:31	118	07:18	50S	13:04	241
2025 Feb 23 (Sun)	02:27	119	08:13	50S	13:59	241
2025 Feb 24 (Mon)	03:23	119	09:10	51S	14:58	242
2025 Feb 25 (Tue)	04:17	116	10:06	53S	15:58	245
2025 Feb 26 (Wed)	05:08	112	11:02	58S	16:57	250
2025 Feb 27 (Thu)	05:57	107	11:55	64S	17:55	256
2025 Feb 28 (Fri)	06:42	100	12:46	71S	18:52	264
2025 Mar 01 (Sat)	07:26	93	13:36	78S	19:49	271
2025 Mar 02 (Sun)	08:10	85	14:26	85S	20:45	279
2025 Mar 03 (Mon)	08:55	78	15:18	89N	21:43	285
2025 Mar 04 (Tue)	09:42	72	16:11	83N	22:44	291
2025 Mar 05 (Wed)	10:33	66	17:08	78N	23:46	296
2025 Mar 06 (Thu)	11:28	63	18:07	75N		
2025 Mar 07 (Fri)	12:26	61	19:08	74N	00:48	299
2025 Mar 08 (Sat)	13:26	61	20:07	74N	01:49	299
2025 Mar 09 (Sun)	14:25	63	21:03	77N	02:47	298
2025 Mar 10 (Mon)	15:22	66	21:55	80N	03:39	295
2025 Mar 11 (Tue)	16:15	71	22:43	85N	04:25	291
2025 Mar 12 (Wed)	17:05	76	23:27	91N	05:07	286
2025 Mar 13 (Thu)	17:52	82			05:46	281
2025 Mar 14 (Fri)	18:37	88	00:08	85S	06:22	275
2025 Mar 15 (Sat)	19:22	95	00:48	79S	06:56	269
2025 Mar 16 (Sun)	20:06	100	01:27	73S	07:31	263
2025 Mar 17 (Mon)	20:52	106	02:07	67S	08:06	257
2025 Mar 18 (Tue)	21:40	111	02:49	62S	08:43	252
2025 Mar 19 (Wed)	22:30	115	03:32	57S	09:23	247
2025 Mar 20 (Thu)	23:22	118	04:19	54S	10:07	244
2025 Mar 21 (Fri)			05:09	51S	10:55	241
2025 Mar 22 (Sat)	00:16	119	06:02	50S	11:48	241
2025 Mar 23 (Sun)	01:11	119	06:57	50S	12:44	241
2025 Mar 24 (Mon)	02:04	118	07:52	52S	13:41	244
2025 Mar 25 (Tue)	02:56	114	08:47	56S	14:40	248
2025 Mar 26 (Wed)	03:44	110	09:40	61S	15:37	253
2025 Mar 27 (Thu)	04:31	104	10:31	67S	16:34	260
2025 Mar 28 (Fri)	05:15	97	11:21	74S	17:31	267
2025 Mar 29 (Sat)	05:59	89	12:12	82S	18:28	275
2025 Mar 30 (Sun)	06:44	82	13:04	89S	19:27	282
2025 Mar 31 (Mon)	07:31	74	13:58	85N	20:28	289
2025 Apr 01 (Tue)	08:23	68	14:56	80N	21:32	294
2025 Apr 02 (Wed)	09:18	64	15:57	76N	22:37	298
2025 Apr 03 (Thu)	10:17	61	16:59	74N	23:41	299
2025 Apr 04 (Fri)	11:19	61	18:00	74N		
2025 Apr 05 (Sat)	12:19	62	18:58	76N	00:41	299
2025 Apr 06 (Sun)	13:17	65	19:52	79N	01:36	296
2025 Apr 07 (Mon)	14:12	70	20:41	84N	02:24	293
2025 Apr 08 (Tue)	15:02	75	21:26	89N	03:07	288
2025 Apr 09 (Wed)	15:50	80	22:07	87S	03:47	282
2025 Apr 10 (Thu)	16:35	86	22:47	81S	04:23	277
2025 Apr 11 (Fri)	17:19	92	23:27	75S	04:57	271
2025 Apr 12 (Sat)	18:03	98			05:31	265
2025 Apr 13 (Sun)	18:49	104	00:06	69S	06:06	259
2025 Apr 14 (Mon)	19:36	109	00:47	64S	06:43	253

2025 Apr 15 (Tue)	20:25 113	01:30 59S	07:22 249
2025 Apr 16 (Wed)	21:17 117	02:16 55S	08:04 245
2025 Apr 17 (Thu)	22:10 119	03:04 52S	08:51 242
2025 Apr 18 (Fri)	23:04 119	03:56 50S	09:42 241
2025 Apr 19 (Sat)	23:57 118	04:49 50S	10:36 241
2025 Apr 20 (Sun)		05:44 51S	11:31 243
2025 Apr 21 (Mon)	00:48 116	06:37 54S	12:28 246
2025 Apr 22 (Tue)	01:36 112	07:29 58S	13:24 251
2025 Apr 23 (Wed)	02:21 106	08:19 64S	14:19 257
2025 Apr 24 (Thu)	03:05 100	09:08 70S	15:14 263
2025 Apr 25 (Fri)	03:48 93	09:57 78S	16:10 271
2025 Apr 26 (Sat)	04:32 85	10:47 85S	17:07 278
2025 Apr 27 (Sun)	05:17 78	11:40 89N	18:07 285
2025 Apr 28 (Mon)	06:07 71	12:37 83N	19:10 292
2025 Apr 29 (Tue)	07:01 66	13:38 78N	20:17 296
2025 Apr 30 (Wed)	08:01 62	14:42 75N	21:24 299
2025 May 01 (Thu)	09:04 61	15:46 74N	22:29 299
2025 May 02 (Fri)	10:07 61	16:48 75N	23:28 297
2025 May 03 (Sat)	11:09 64	17:45 78N	
2025 May 04 (Sun)	12:06 68	18:37 82N	00:20 294
2025 May 05 (Mon)	12:58 73	19:24 87N	01:06 289
2025 May 06 (Tue)	13:47 79	20:07 89S	01:46 284
2025 May 07 (Wed)	14:33 85	20:47 83S	02:24 278
2025 May 08 (Thu)	15:17 91	21:26 77S	02:59 272
2025 May 09 (Fri)	16:02 97	22:06 71S	03:33 266
2025 May 10 (Sat)	16:46 102	22:46 65S	04:07 261
2025 May 11 (Sun)	17:33 107	23:28 60S	04:43 255
2025 May 12 (Mon)	18:21 112		05:21 250
2025 May 13 (Tue)	19:12 116	00:13 56S	06:03 246
2025 May 14 (Wed)	20:05 118	01:01 53S	06:49 243
2025 May 15 (Thu)	20:59 119	01:52 51S	07:38 241
2025 May 16 (Fri)	21:52 119	02:45 50S	08:31 241
2025 May 17 (Sat)	22:44 117	03:39 51S	09:26 242
2025 May 18 (Sun)	23:32 113	04:32 53S	10:22 245
2025 May 19 (Mon)		05:23 57S	11:17 249
2025 May 20 (Tue)	00:17 108	06:13 62S	12:11 254
2025 May 21 (Wed)	01:00 102	07:01 68S	13:04 261
2025 May 22 (Thu)	01:42 96	07:48 75S	13:57 268
2025 May 23 (Fri)	02:23 89	08:36 82S	14:51 275
2025 May 24 (Sat)	03:06 82	09:26 89S	15:48 282
2025 May 25 (Sun)	03:53 75	10:19 86N	16:49 289
2025 May 26 (Mon)	04:44 69	11:17 80N	17:54 294
2025 May 27 (Tue)	05:41 64	12:20 76N	19:01 298
2025 May 28 (Wed)	06:43 61	13:26 74N	20:08 299
2025 May 29 (Thu)	07:48 61	14:31 74N	21:12 298
2025 May 30 (Fri)	08:53 63	15:32 76N	22:09 295
2025 May 31 (Sat)	09:54 66	16:28 80N	22:59 291
2025 Jun 01 (Sun)	10:50 71	17:18 85N	23:43 286
2025 Jun 02 (Mon)	11:41 77	18:03 90S	
2025 Jun 03 (Tue)	12:29 83	18:45 85S	00:22 280
2025 Jun 04 (Wed)	13:14 89	19:25 79S	00:58 274
2025 Jun 05 (Thu)	13:59 95	20:04 73S	01:33 268
2025 Jun 06 (Fri)	14:43 100	20:44 67S	02:07 262
2025 Jun 07 (Sat)	15:29 106	21:26 62S	02:43 257
2025 Jun 08 (Sun)	16:17 111	22:10 57S	03:20 252
2025 Jun 09 (Mon)	17:07 115	22:57 54S	04:01 247
2025 Jun 10 (Tue)	18:00 117	23:47 51S	04:45 244
2025 Jun 11 (Wed)	18:54 119		05:34 242
2025 Jun 12 (Thu)	19:48 119	00:40 50S	06:26 241
2025 Jun 13 (Fri)	20:40 117	01:34 50S	07:21 242
2025 Jun 14 (Sat)	21:30 114	02:28 52S	08:18 244
2025 Jun 15 (Sun)	22:16 110	03:21 56S	09:13 248
2025 Jun 16 (Mon)	22:59 104	04:10 60S	10:07 253
2025 Jun 17 (Tue)	23:40 98	04:58 66S	11:00 259
2025 Jun 18 (Wed)		05:44 73S	11:52 266
2025 Jun 19 (Thu)	00:20 91	06:31 79S	12:44 272
2025 Jun 20 (Fri)	01:02 84	07:18 86S	13:38 279

2025 Jun 21 (Sat)	01:45	77	08:08	88N	14:35	286
2025 Jun 22 (Sun)	02:33	71	09:03	82N	15:36	292
2025 Jun 23 (Mon)	03:25	66	10:02	78N	16:40	296
2025 Jun 24 (Tue)	04:24	62	11:05	75N	17:47	299
2025 Jun 25 (Wed)	05:28	61	12:10	74N	18:53	299
2025 Jun 26 (Thu)	06:33	62	13:14	75N	19:53	297
2025 Jun 27 (Fri)	07:37	65	14:13	78N	20:47	293
2025 Jun 28 (Sat)	08:36	69	15:07	83N	21:35	288
2025 Jun 29 (Sun)	09:31	74	15:55	89N	22:17	283
2025 Jun 30 (Mon)	10:21	80	16:40	87S	22:55	277
2025 Jul 01 (Tue)	11:08	86	17:21	81S	23:31	270
2025 Jul 02 (Wed)	11:54	93	18:01	75S		
2025 Jul 03 (Thu)	12:39	99	18:41	69S	00:06	264
2025 Jul 04 (Fri)	13:24	104	19:22	63S	00:41	259
2025 Jul 05 (Sat)	14:11	109	20:05	59S	01:18	253
2025 Jul 06 (Sun)	15:00	113	20:51	55S	01:57	249
2025 Jul 07 (Mon)	15:52	117	21:40	52S	02:40	245
2025 Jul 08 (Tue)	16:46	119	22:33	50S	03:27	242
2025 Jul 09 (Wed)	17:41	119	23:27	50S	04:19	241
2025 Jul 10 (Thu)	18:34	118			05:14	241
2025 Jul 11 (Fri)	19:26	115	00:22	52S	06:10	243
2025 Jul 12 (Sat)	20:13	111	01:15	55S	07:07	247
2025 Jul 13 (Sun)	20:58	106	02:07	59S	08:02	251
2025 Jul 14 (Mon)	21:40	100	02:56	64S	08:56	257
2025 Jul 15 (Tue)	22:21	93	03:43	71S	09:49	264
2025 Jul 16 (Wed)	23:01	86	04:29	78S	10:40	271
2025 Jul 17 (Thu)	23:43	79	05:16	85S	11:33	278
2025 Jul 18 (Fri)			06:04	90N	12:28	284
2025 Jul 19 (Sat)	00:28	73	06:56	84N	13:26	290
2025 Jul 20 (Sun)	01:17	67	07:51	79N	14:28	295
2025 Jul 21 (Mon)	02:12	63	08:51	75N	15:32	298
2025 Jul 22 (Tue)	03:13	61	09:54	74N	16:37	299
2025 Jul 23 (Wed)	04:16	61	10:58	74N	17:39	298
2025 Jul 24 (Thu)	05:20	63	11:58	77N	18:35	295
2025 Jul 25 (Fri)	06:21	67	12:54	81N	19:25	291
2025 Jul 26 (Sat)	07:18	72	13:45	86N	20:10	285
2025 Jul 27 (Sun)	08:10	78	14:32	89S	20:50	279
2025 Jul 28 (Mon)	09:00	84	15:15	83S	21:27	273
2025 Jul 29 (Tue)	09:46	90	15:56	77S	22:03	267
2025 Jul 30 (Wed)	10:32	96	16:36	71S	22:38	261
2025 Jul 31 (Thu)	11:17	102	17:17	65S	23:14	255
2025 Aug 01 (Fri)	12:04	107	17:59	60S	23:53	250
2025 Aug 02 (Sat)	12:53	112	18:44	56S		
2025 Aug 03 (Sun)	13:43	116	19:32	53S	00:34	246
2025 Aug 04 (Mon)	14:36	118	20:23	51S	01:20	243
2025 Aug 05 (Tue)	15:31	119	21:17	50S	02:09	241
2025 Aug 06 (Wed)	16:25	119	22:11	51S	03:03	241
2025 Aug 07 (Thu)	17:17	117	23:06	53S	03:59	242
2025 Aug 08 (Fri)	18:07	113	23:59	57S	04:56	245
2025 Aug 09 (Sat)	18:53	108			05:53	249
2025 Aug 10 (Sun)	19:37	102	00:50	62S	06:48	255
2025 Aug 11 (Mon)	20:19	95	01:38	69S	07:42	261
2025 Aug 12 (Tue)	21:00	88	02:26	75S	08:36	268
2025 Aug 13 (Wed)	21:42	81	03:13	82S	09:29	276
2025 Aug 14 (Thu)	22:26	74	04:01	89S	10:24	282
2025 Aug 15 (Fri)	23:14	69	04:52	86N	11:21	289
2025 Aug 16 (Sat)			05:46	80N	12:21	294
2025 Aug 17 (Sun)	00:07	64	06:45	76N	13:24	297
2025 Aug 18 (Mon)	01:05	62	07:46	74N	14:28	299
2025 Aug 19 (Tue)	02:06	61	08:48	74N	15:29	299
2025 Aug 20 (Wed)	03:08	62	09:48	76N	16:26	296
2025 Aug 21 (Thu)	04:09	65	10:45	79N	17:18	293
2025 Aug 22 (Fri)	05:07	70	11:37	84N	18:04	288
2025 Aug 23 (Sat)	06:01	75	12:24	89N	18:45	282
2025 Aug 24 (Sun)	06:51	81	13:09	86S	19:24	276
2025 Aug 25 (Mon)	07:39	88	13:51	80S	20:00	269
2025 Aug 26 (Tue)	08:25	94	14:31	73S	20:35	263

2025 Aug 27 (Wed)	09:11 100	15:12 68S	21:11 257
2025 Aug 28 (Thu)	09:57 105	15:54 62S	21:49 252
2025 Aug 29 (Fri)	10:45 110	16:38 58S	22:29 248
2025 Aug 30 (Sat)	11:34 114	17:24 54S	23:12 244
2025 Aug 31 (Sun)	12:26 117	18:13 51S	24:00 242
2025 Sep 01 (Mon)	13:20 119	19:06 50S	
2025 Sep 02 (Tue)	14:13 119	19:59 50S	00:51 241
2025 Sep 03 (Wed)	15:06 118	20:54 52S	01:46 241
2025 Sep 04 (Thu)	15:57 115	21:47 55S	02:42 243
2025 Sep 05 (Fri)	16:44 110	22:39 60S	03:39 247
2025 Sep 06 (Sat)	17:30 105	23:29 66S	04:35 252
2025 Sep 07 (Sun)	18:13 98		05:30 258
2025 Sep 08 (Mon)	18:55 91	00:17 72S	06:25 265
2025 Sep 09 (Tue)	19:38 84	01:06 80S	07:19 273
2025 Sep 10 (Wed)	20:22 77	01:55 87S	08:15 280
2025 Sep 11 (Thu)	21:10 70	02:46 88N	09:13 287
2025 Sep 12 (Fri)	22:02 65	03:41 82N	10:14 292
2025 Sep 13 (Sat)	22:59 62	04:39 77N	11:17 297
2025 Sep 14 (Sun)	24:00 61	05:40 74N	12:21 299
2025 Sep 15 (Mon)		06:42 74N	13:24 299
2025 Sep 16 (Tue)	01:02 61	07:42 75N	14:22 297
2025 Sep 17 (Wed)	02:03 64	08:39 78N	15:14 294
2025 Sep 18 (Thu)	03:00 68	09:32 82N	16:01 289
2025 Sep 19 (Fri)	03:54 73	10:20 87N	16:43 284
2025 Sep 20 (Sat)	04:45 79	11:05 88S	17:22 278
2025 Sep 21 (Sun)	05:33 85	11:47 82S	17:58 272
2025 Sep 22 (Mon)	06:19 91	12:28 76S	18:34 266
2025 Sep 23 (Tue)	07:05 98	13:08 70S	19:09 260
2025 Sep 24 (Wed)	07:51 103	13:50 64S	19:46 254
2025 Sep 25 (Thu)	08:38 108	14:33 59S	20:25 249
2025 Sep 26 (Fri)	09:27 113	15:18 55S	21:07 245
2025 Sep 27 (Sat)	10:18 116	16:06 52S	21:53 243
2025 Sep 28 (Sun)	11:10 118	16:57 50S	22:42 241
2025 Sep 29 (Mon)	12:03 119	17:49 50S	23:35 241
2025 Sep 30 (Tue)	12:56 119	18:42 51S	
2025 Oct 01 (Wed)	13:46 116	19:35 53S	00:29 242
2025 Oct 02 (Thu)	14:34 113	20:26 57S	01:25 245
2025 Oct 03 (Fri)	15:20 108	21:16 63S	02:20 250
2025 Oct 04 (Sat)	16:03 102	22:05 69S	03:15 255
2025 Oct 05 (Sun)	16:46 95	22:53 76S	04:09 262
2025 Oct 06 (Mon)	17:28 87	23:42 83S	05:04 269
2025 Oct 07 (Tue)	18:13 80		06:00 276
2025 Oct 08 (Wed)	19:01 73	00:34 91S	06:58 284
2025 Oct 09 (Thu)	19:53 67	01:29 84N	08:00 290
2025 Oct 10 (Fri)	20:50 63	02:27 79N	09:04 295
2025 Oct 11 (Sat)	21:51 61	03:29 75N	10:11 298
2025 Oct 12 (Sun)	22:55 61	04:33 74N	11:16 299
2025 Oct 13 (Mon)	23:57 63	05:36 74N	12:17 298
2025 Oct 14 (Tue)		06:35 77N	13:11 295
2025 Oct 15 (Wed)	00:56 67	07:29 81N	14:00 291
2025 Oct 16 (Thu)	01:51 72	08:18 86N	14:43 286
2025 Oct 17 (Fri)	02:42 77	09:04 90S	15:22 280
2025 Oct 18 (Sat)	03:30 83	09:46 84S	15:59 274
2025 Oct 19 (Sun)	04:16 89	10:27 78S	16:34 268
2025 Oct 20 (Mon)	05:02 95	11:07 72S	17:09 262
2025 Oct 21 (Tue)	05:47 101	11:48 66S	17:46 256
2025 Oct 22 (Wed)	06:34 107	12:30 61S	18:24 251
2025 Oct 23 (Thu)	07:22 111	13:14 57S	19:05 247
2025 Oct 24 (Fri)	08:12 115	14:01 53S	19:49 243
2025 Oct 25 (Sat)	09:04 118	14:51 51S	20:37 241
2025 Oct 26 (Sun)	09:57 119	15:42 50S	21:28 241
2025 Oct 27 (Mon)	10:49 119	16:35 50S	22:21 242
2025 Oct 28 (Tue)	11:39 117	17:26 52S	23:15 244
2025 Oct 29 (Wed)	12:26 114	18:17 56S	
2025 Oct 30 (Thu)	13:12 110	19:06 60S	00:09 248
2025 Oct 31 (Fri)	13:54 104	19:53 66S	01:02 253
2025 Nov 01 (Sat)	14:36 98	20:40 72S	01:55 259

2025 Nov 02 (Sun)	15:17 91	21:28 79S	02:48 265
2025 Nov 03 (Mon)	16:00 84	22:18 87S	03:42 273
2025 Nov 04 (Tue)	16:46 77	23:10 88N	04:38 280
2025 Nov 05 (Wed)	17:37 70		05:38 287
2025 Nov 06 (Thu)	18:33 65	00:08 82N	06:43 293
2025 Nov 07 (Fri)	19:34 62	01:10 77N	07:50 297
2025 Nov 08 (Sat)	20:40 61	02:16 74N	08:59 299
2025 Nov 09 (Sun)	21:45 62	03:22 74N	10:04 299
2025 Nov 10 (Mon)	22:48 65	04:25 76N	11:04 296
2025 Nov 11 (Tue)	23:46 70	05:23 79N	11:56 292
2025 Nov 12 (Wed)		06:15 84N	12:42 287
2025 Nov 13 (Thu)	00:39 75	07:02 90N	13:22 282
2025 Nov 14 (Fri)	01:28 81	07:45 86S	14:00 275
2025 Nov 15 (Sat)	02:15 88	08:26 80S	14:35 269
2025 Nov 16 (Sun)	03:00 94	09:06 74S	15:10 263
2025 Nov 17 (Mon)	03:45 100	09:47 68S	15:46 258
2025 Nov 18 (Tue)	04:31 105	10:28 63S	16:23 253
2025 Nov 19 (Wed)	05:19 110	11:12 58S	17:03 248
2025 Nov 20 (Thu)	06:08 114	11:58 54S	17:47 245
2025 Nov 21 (Fri)	07:00 117	12:47 52S	18:34 242
2025 Nov 22 (Sat)	07:52 119	13:38 50S	19:24 241
2025 Nov 23 (Sun)	08:44 119	14:30 50S	20:16 241
2025 Nov 24 (Mon)	09:35 118	15:22 52S	21:10 243
2025 Nov 25 (Tue)	10:23 115	16:12 55S	22:03 247
2025 Nov 26 (Wed)	11:08 111	17:01 59S	22:55 251
2025 Nov 27 (Thu)	11:50 106	17:47 64S	23:46 256
2025 Nov 28 (Fri)	12:31 100	18:33 70S	
2025 Nov 29 (Sat)	13:11 94	19:18 76S	00:37 263
2025 Nov 30 (Sun)	13:51 87	20:05 83S	01:28 269
2025 Dec 01 (Mon)	14:34 80	20:54 90S	02:22 276
2025 Dec 02 (Tue)	15:20 74	21:48 85N	03:18 283
2025 Dec 03 (Wed)	16:13 68	22:47 79N	04:19 290
2025 Dec 04 (Thu)	17:11 64	23:51 76N	05:24 295
2025 Dec 05 (Fri)	18:16 61		06:33 298
2025 Dec 06 (Sat)	19:24 62	00:59 74N	07:42 299
2025 Dec 07 (Sun)	20:30 64	02:06 75N	08:47 297
2025 Dec 08 (Mon)	21:33 68	03:08 78N	09:44 294
2025 Dec 09 (Tue)	22:30 73	04:05 82N	10:34 289
2025 Dec 10 (Wed)	23:22 79	04:56 88N	11:19 284
2025 Dec 11 (Thu)		05:42 88S	11:58 277
2025 Dec 12 (Fri)	00:11 86	06:24 82S	12:35 271
2025 Dec 13 (Sat)	00:57 92	07:05 75S	13:11 265
2025 Dec 14 (Sun)	01:42 98	07:46 70S	13:46 259
2025 Dec 15 (Mon)	02:28 103	08:27 64S	14:23 254
2025 Dec 16 (Tue)	03:15 109	09:10 59S	15:02 249
2025 Dec 17 (Wed)	04:04 113	09:55 55S	15:44 245
2025 Dec 18 (Thu)	04:55 116	10:43 52S	16:30 243
2025 Dec 19 (Fri)	05:47 118	11:34 51S	17:20 241
2025 Dec 20 (Sat)	06:40 119	12:26 50S	18:12 241
2025 Dec 21 (Sun)	07:31 118	13:18 51S	19:06 243
2025 Dec 22 (Mon)	08:21 116	14:09 54S	19:59 246
2025 Dec 23 (Tue)	09:07 112	14:58 58S	20:52 250
2025 Dec 24 (Wed)	09:50 108	15:45 62S	21:43 255
2025 Dec 25 (Thu)	10:30 102	16:30 68S	22:33 261
2025 Dec 26 (Fri)	11:09 96	17:15 74S	23:23 267
2025 Dec 27 (Sat)	11:48 89	17:59 81S	
2025 Dec 28 (Sun)	12:28 83	18:46 88S	00:13 274
2025 Dec 29 (Mon)	13:11 76	19:35 87N	01:06 281
2025 Dec 30 (Tue)	13:59 70	20:30 82N	02:03 287
2025 Dec 31 (Wed)	14:53 65	21:30 77N	03:04 293