

Sun

VTDB

Location: E 99°08'00.0", N 9°08'00.0", 20m
(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)	05:50	06:39 113		12:27 59S	18:15 247		19:04
2025 Jan 02 (Thu)	05:50	06:39 113		12:27 59S	18:16 247		19:05
2025 Jan 03 (Fri)	05:51	06:40 113		12:28 59S	18:16 247		19:05
2025 Jan 04 (Sat)	05:51	06:40 113		12:28 59S	18:17 247		19:06
2025 Jan 05 (Sun)	05:52	06:40 113		12:29 59S	18:17 247		19:06
2025 Jan 06 (Mon)	05:52	06:41 113		12:29 59S	18:18 247		19:07
2025 Jan 07 (Tue)	05:52	06:41 113		12:30 59S	18:18 248		19:07
2025 Jan 08 (Wed)	05:53	06:41 112		12:30 59S	18:19 248		19:08
2025 Jan 09 (Thu)	05:53	06:42 112		12:31 60S	18:19 248		19:08
2025 Jan 10 (Fri)	05:54	06:42 112		12:31 60S	18:20 248		19:08
2025 Jan 11 (Sat)	05:54	06:42 112		12:31 60S	18:20 248		19:09
2025 Jan 12 (Sun)	05:54	06:43 112		12:32 60S	18:21 248		19:09
2025 Jan 13 (Mon)	05:55	06:43 112		12:32 60S	18:21 248		19:10
2025 Jan 14 (Tue)	05:55	06:43 111		12:33 60S	18:22 249		19:10
2025 Jan 15 (Wed)	05:55	06:43 111		12:33 61S	18:22 249		19:11
2025 Jan 16 (Thu)	05:55	06:44 111		12:33 61S	18:23 249		19:11
2025 Jan 17 (Fri)	05:56	06:44 111		12:34 61S	18:23 249		19:11
2025 Jan 18 (Sat)	05:56	06:44 111		12:34 61S	18:24 249		19:12
2025 Jan 19 (Sun)	05:56	06:44 110		12:34 61S	18:24 250		19:12
2025 Jan 20 (Mon)	05:56	06:44 110		12:34 62S	18:25 250		19:13
2025 Jan 21 (Tue)	05:57	06:44 110		12:35 62S	18:25 250		19:13
2025 Jan 22 (Wed)	05:57	06:45 110		12:35 62S	18:26 250		19:13
2025 Jan 23 (Thu)	05:57	06:45 110		12:35 62S	18:26 251		19:14
2025 Jan 24 (Fri)	05:57	06:45 109		12:36 62S	18:26 251		19:14
2025 Jan 25 (Sat)	05:57	06:45 109		12:36 63S	18:27 251		19:14
2025 Jan 26 (Sun)	05:57	06:45 109		12:36 63S	18:27 251		19:15
2025 Jan 27 (Mon)	05:57	06:45 109		12:36 63S	18:28 252		19:15
2025 Jan 28 (Tue)	05:57	06:45 108		12:36 63S	18:28 252		19:15
2025 Jan 29 (Wed)	05:58	06:45 108		12:37 64S	18:28 252		19:16
2025 Jan 30 (Thu)	05:58	06:45 108		12:37 64S	18:29 252		19:16
2025 Jan 31 (Fri)	05:58	06:45 107		12:37 64S	18:29 253		19:16
2025 Feb 01 (Sat)	05:58	06:45 107		12:37 65S	18:29 253		19:16
2025 Feb 02 (Sun)	05:58	06:45 107		12:37 65S	18:30 253		19:17
2025 Feb 03 (Mon)	05:58	06:45 107		12:37 65S	18:30 254		19:17
2025 Feb 04 (Tue)	05:58	06:45 106		12:37 65S	18:30 254		19:17
2025 Feb 05 (Wed)	05:58	06:44 106		12:37 66S	18:31 254		19:17
2025 Feb 06 (Thu)	05:57	06:44 106		12:38 66S	18:31 254		19:18
2025 Feb 07 (Fri)	05:57	06:44 105		12:38 66S	18:31 255		19:18
2025 Feb 08 (Sat)	05:57	06:44 105		12:38 67S	18:31 255		19:18
2025 Feb 09 (Sun)	05:57	06:44 105		12:38 67S	18:32 255		19:18
2025 Feb 10 (Mon)	05:57	06:44 104		12:38 67S	18:32 256		19:18
2025 Feb 11 (Tue)	05:57	06:43 104		12:38 68S	18:32 256		19:18
2025 Feb 12 (Wed)	05:57	06:43 104		12:38 68S	18:32 256		19:19
2025 Feb 13 (Thu)	05:57	06:43 103		12:38 68S	18:32 257		19:19
2025 Feb 14 (Fri)	05:56	06:43 103		12:38 69S	18:33 257		19:19
2025 Feb 15 (Sat)	05:56	06:42 103		12:38 69S	18:33 257		19:19
2025 Feb 16 (Sun)	05:56	06:42 102		12:37 69S	18:33 258		19:19
2025 Feb 17 (Mon)	05:56	06:42 102		12:37 70S	18:33 258		19:19
2025 Feb 18 (Tue)	05:55	06:42 102		12:37 70S	18:33 259		19:19
2025 Feb 19 (Wed)	05:55	06:41 101		12:37 70S	18:33 259		19:19
2025 Feb 20 (Thu)	05:55	06:41 101		12:37 71S	18:34 259		19:19
2025 Feb 21 (Fri)	05:55	06:40 101		12:37 71S	18:34 260		19:20
2025 Feb 22 (Sat)	05:54	06:40 100		12:37 71S	18:34 260		19:20
2025 Feb 23 (Sun)	05:54	06:40 100		12:37 72S	18:34 260		19:20
2025 Feb 24 (Mon)	05:54	06:39 99		12:37 72S	18:34 261		19:20

2025	Feb	25	(Tue)	05:53	06:39	99	12:36	73S	18:34	261	19:20
2025	Feb	26	(Wed)	05:53	06:39	99	12:36	73S	18:34	261	19:20
2025	Feb	27	(Thu)	05:53	06:38	98	12:36	73S	18:34	262	19:20
2025	Feb	28	(Fri)	05:52	06:38	98	12:36	74S	18:34	262	19:20
2025	Mar	01	(Sat)	05:52	06:37	98	12:36	74S	18:34	263	19:20
2025	Mar	02	(Sun)	05:51	06:37	97	12:36	74S	18:34	263	19:20
2025	Mar	03	(Mon)	05:51	06:36	97	12:35	75S	18:34	263	19:20
2025	Mar	04	(Tue)	05:51	06:36	96	12:35	75S	18:34	264	19:20
2025	Mar	05	(Wed)	05:50	06:36	96	12:35	76S	18:34	264	19:20
2025	Mar	06	(Thu)	05:50	06:35	96	12:35	76S	18:35	265	19:20
2025	Mar	07	(Fri)	05:49	06:35	95	12:34	76S	18:35	265	19:20
2025	Mar	08	(Sat)	05:49	06:34	95	12:34	77S	18:35	265	19:20
2025	Mar	09	(Sun)	05:48	06:34	94	12:34	77S	18:35	266	19:20
2025	Mar	10	(Mon)	05:48	06:33	94	12:34	78S	18:35	266	19:20
2025	Mar	11	(Tue)	05:47	06:33	94	12:33	78S	18:35	267	19:20
2025	Mar	12	(Wed)	05:47	06:32	93	12:33	78S	18:34	267	19:20
2025	Mar	13	(Thu)	05:46	06:31	93	12:33	79S	18:34	267	19:20
2025	Mar	14	(Fri)	05:46	06:31	92	12:33	79S	18:34	268	19:20
2025	Mar	15	(Sat)	05:45	06:30	92	12:32	80S	18:34	268	19:20
2025	Mar	16	(Sun)	05:45	06:30	92	12:32	80S	18:34	269	19:20
2025	Mar	17	(Mon)	05:44	06:29	91	12:32	80S	18:34	269	19:20
2025	Mar	18	(Tue)	05:44	06:29	91	12:32	81S	18:34	269	19:20
2025	Mar	19	(Wed)	05:43	06:28	90	12:31	81S	18:34	270	19:20
2025	Mar	20	(Thu)	05:42	06:28	90	12:31	82S	18:34	270	19:19
2025	Mar	21	(Fri)	05:42	06:27	90	12:31	82S	18:34	271	19:19
2025	Mar	22	(Sat)	05:41	06:27	89	12:30	82S	18:34	271	19:19
2025	Mar	23	(Sun)	05:41	06:26	89	12:30	83S	18:34	271	19:19
2025	Mar	24	(Mon)	05:40	06:26	88	12:30	83S	18:34	272	19:19
2025	Mar	25	(Tue)	05:40	06:25	88	12:29	83S	18:34	272	19:19
2025	Mar	26	(Wed)	05:39	06:24	88	12:29	84S	18:34	273	19:19
2025	Mar	27	(Thu)	05:39	06:24	87	12:29	84S	18:34	273	19:19
2025	Mar	28	(Fri)	05:38	06:23	87	12:29	85S	18:34	273	19:19
2025	Mar	29	(Sat)	05:37	06:23	86	12:28	85S	18:34	274	19:19
2025	Mar	30	(Sun)	05:37	06:22	86	12:28	85S	18:34	274	19:19
2025	Mar	31	(Mon)	05:36	06:22	86	12:28	86S	18:34	275	19:19
2025	Apr	01	(Tue)	05:36	06:21	85	12:27	86S	18:34	275	19:19
2025	Apr	02	(Wed)	05:35	06:21	85	12:27	87S	18:34	275	19:19
2025	Apr	03	(Thu)	05:34	06:20	84	12:27	87S	18:34	276	19:19
2025	Apr	04	(Fri)	05:34	06:19	84	12:26	87S	18:34	276	19:19
2025	Apr	05	(Sat)	05:33	06:19	84	12:26	88S	18:34	276	19:19
2025	Apr	06	(Sun)	05:33	06:18	83	12:26	88S	18:33	277	19:19
2025	Apr	07	(Mon)	05:32	06:18	83	12:26	89S	18:33	277	19:19
2025	Apr	08	(Tue)	05:32	06:17	83	12:25	89S	18:33	278	19:19
2025	Apr	09	(Wed)	05:31	06:17	82	12:25	89S	18:33	278	19:19
2025	Apr	10	(Thu)	05:30	06:16	82	12:25	90S	18:33	278	19:19
2025	Apr	11	(Fri)	05:30	06:16	81	12:25	90S	18:33	279	19:19
2025	Apr	12	(Sat)	05:29	06:15	81	12:24	90S	18:33	279	19:19
2025	Apr	13	(Sun)	05:29	06:15	81	12:24	91N	18:33	279	19:19
2025	Apr	14	(Mon)	05:28	06:14	80	12:24	90N	18:33	280	19:19
2025	Apr	15	(Tue)	05:28	06:14	80	12:23	90N	18:33	280	19:19
2025	Apr	16	(Wed)	05:27	06:13	80	12:23	90N	18:33	281	19:19
2025	Apr	17	(Thu)	05:27	06:13	79	12:23	89N	18:33	281	19:20
2025	Apr	18	(Fri)	05:26	06:12	79	12:23	89N	18:33	281	19:20
2025	Apr	19	(Sat)	05:26	06:12	79	12:23	89N	18:33	282	19:20
2025	Apr	20	(Sun)	05:25	06:11	78	12:22	88N	18:33	282	19:20
2025	Apr	21	(Mon)	05:25	06:11	78	12:22	88N	18:33	282	19:20
2025	Apr	22	(Tue)	05:24	06:11	78	12:22	88N	18:33	283	19:20
2025	Apr	23	(Wed)	05:24	06:10	77	12:22	87N	18:33	283	19:20
2025	Apr	24	(Thu)	05:23	06:10	77	12:22	87N	18:34	283	19:20
2025	Apr	25	(Fri)	05:23	06:09	76	12:21	87N	18:34	284	19:20
2025	Apr	26	(Sat)	05:22	06:09	76	12:21	86N	18:34	284	19:21
2025	Apr	27	(Sun)	05:22	06:09	76	12:21	86N	18:34	284	19:21
2025	Apr	28	(Mon)	05:21	06:08	76	12:21	86N	18:34	285	19:21
2025	Apr	29	(Tue)	05:21	06:08	75	12:21	85N	18:34	285	19:21
2025	Apr	30	(Wed)	05:20	06:08	75	12:21	85N	18:34	285	19:21
2025	May	01	(Thu)	05:20	06:07	75	12:21	85N	18:34	286	19:21
2025	May	02	(Fri)	05:20	06:07	74	12:20	84N	18:34	286	19:21

2025	May	03	(Sat)	05:19	06:07	74	12:20	84N	18:34	286	19:22
2025	May	04	(Sun)	05:19	06:06	74	12:20	84N	18:34	286	19:22
2025	May	05	(Mon)	05:18	06:06	73	12:20	84N	18:34	287	19:22
2025	May	06	(Tue)	05:18	06:06	73	12:20	83N	18:35	287	19:22
2025	May	07	(Wed)	05:18	06:05	73	12:20	83N	18:35	287	19:22
2025	May	08	(Thu)	05:17	06:05	73	12:20	83N	18:35	288	19:23
2025	May	09	(Fri)	05:17	06:05	72	12:20	82N	18:35	288	19:23
2025	May	10	(Sat)	05:17	06:05	72	12:20	82N	18:35	288	19:23
2025	May	11	(Sun)	05:16	06:04	72	12:20	82N	18:35	288	19:23
2025	May	12	(Mon)	05:16	06:04	71	12:20	82N	18:36	289	19:24
2025	May	13	(Tue)	05:16	06:04	71	12:20	81N	18:36	289	19:24
2025	May	14	(Wed)	05:16	06:04	71	12:20	81N	18:36	289	19:24
2025	May	15	(Thu)	05:15	06:04	71	12:20	81N	18:36	289	19:24
2025	May	16	(Fri)	05:15	06:04	71	12:20	81N	18:36	290	19:25
2025	May	17	(Sat)	05:15	06:03	70	12:20	80N	18:36	290	19:25
2025	May	18	(Sun)	05:15	06:03	70	12:20	80N	18:37	290	19:25
2025	May	19	(Mon)	05:15	06:03	70	12:20	80N	18:37	290	19:25
2025	May	20	(Tue)	05:14	06:03	70	12:20	80N	18:37	291	19:26
2025	May	21	(Wed)	05:14	06:03	69	12:20	80N	18:37	291	19:26
2025	May	22	(Thu)	05:14	06:03	69	12:20	79N	18:38	291	19:26
2025	May	23	(Fri)	05:14	06:03	69	12:20	79N	18:38	291	19:27
2025	May	24	(Sat)	05:14	06:03	69	12:20	79N	18:38	291	19:27
2025	May	25	(Sun)	05:14	06:03	69	12:20	79N	18:38	291	19:27
2025	May	26	(Mon)	05:14	06:03	68	12:21	79N	18:38	292	19:28
2025	May	27	(Tue)	05:13	06:03	68	12:21	79N	18:39	292	19:28
2025	May	28	(Wed)	05:13	06:03	68	12:21	78N	18:39	292	19:28
2025	May	29	(Thu)	05:13	06:03	68	12:21	78N	18:39	292	19:28
2025	May	30	(Fri)	05:13	06:03	68	12:21	78N	18:39	292	19:29
2025	May	31	(Sat)	05:13	06:03	68	12:21	78N	18:40	292	19:29
2025	Jun	01	(Sun)	05:13	06:03	68	12:21	78N	18:40	293	19:29
2025	Jun	02	(Mon)	05:13	06:03	67	12:21	78N	18:40	293	19:30
2025	Jun	03	(Tue)	05:13	06:03	67	12:22	77N	18:40	293	19:30
2025	Jun	04	(Wed)	05:13	06:03	67	12:22	77N	18:41	293	19:30
2025	Jun	05	(Thu)	05:13	06:03	67	12:22	77N	18:41	293	19:31
2025	Jun	06	(Fri)	05:13	06:03	67	12:22	77N	18:41	293	19:31
2025	Jun	07	(Sat)	05:13	06:03	67	12:22	77N	18:42	293	19:31
2025	Jun	08	(Sun)	05:14	06:03	67	12:23	77N	18:42	293	19:32
2025	Jun	09	(Mon)	05:14	06:03	67	12:23	77N	18:42	293	19:32
2025	Jun	10	(Tue)	05:14	06:04	67	12:23	77N	18:42	294	19:32
2025	Jun	11	(Wed)	05:14	06:04	66	12:23	77N	18:43	294	19:32
2025	Jun	12	(Thu)	05:14	06:04	66	12:23	77N	18:43	294	19:33
2025	Jun	13	(Fri)	05:14	06:04	66	12:24	77N	18:43	294	19:33
2025	Jun	14	(Sat)	05:14	06:04	66	12:24	77N	18:43	294	19:33
2025	Jun	15	(Sun)	05:14	06:04	66	12:24	77N	18:44	294	19:34
2025	Jun	16	(Mon)	05:15	06:05	66	12:24	76N	18:44	294	19:34
2025	Jun	17	(Tue)	05:15	06:05	66	12:24	76N	18:44	294	19:34
2025	Jun	18	(Wed)	05:15	06:05	66	12:25	76N	18:44	294	19:34
2025	Jun	19	(Thu)	05:15	06:05	66	12:25	76N	18:45	294	19:35
2025	Jun	20	(Fri)	05:15	06:05	66	12:25	76N	18:45	294	19:35
2025	Jun	21	(Sat)	05:16	06:06	66	12:25	76N	18:45	294	19:35
2025	Jun	22	(Sun)	05:16	06:06	66	12:25	76N	18:45	294	19:35
2025	Jun	23	(Mon)	05:16	06:06	66	12:26	76N	18:45	294	19:35
2025	Jun	24	(Tue)	05:16	06:06	66	12:26	76N	18:46	294	19:36
2025	Jun	25	(Wed)	05:16	06:06	66	12:26	76N	18:46	294	19:36
2025	Jun	26	(Thu)	05:17	06:07	66	12:26	76N	18:46	294	19:36
2025	Jun	27	(Fri)	05:17	06:07	66	12:27	77N	18:46	294	19:36
2025	Jun	28	(Sat)	05:17	06:07	66	12:27	77N	18:46	294	19:36
2025	Jun	29	(Sun)	05:18	06:07	66	12:27	77N	18:46	294	19:36
2025	Jun	30	(Mon)	05:18	06:08	66	12:27	77N	18:47	294	19:37
2025	Jul	01	(Tue)	05:18	06:08	66	12:27	77N	18:47	294	19:37
2025	Jul	02	(Wed)	05:18	06:08	67	12:28	77N	18:47	293	19:37
2025	Jul	03	(Thu)	05:19	06:08	67	12:28	77N	18:47	293	19:37
2025	Jul	04	(Fri)	05:19	06:09	67	12:28	77N	18:47	293	19:37
2025	Jul	05	(Sat)	05:19	06:09	67	12:28	77N	18:47	293	19:37
2025	Jul	06	(Sun)	05:19	06:09	67	12:28	77N	18:47	293	19:37
2025	Jul	07	(Mon)	05:20	06:09	67	12:28	77N	18:47	293	19:37
2025	Jul	08	(Tue)	05:20	06:10	67	12:29	77N	18:47	293	19:37

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

2025 Sep 14 (Sun)	05:28	06:14	86	12:19	85S	18:24	273	19:10
2025 Sep 15 (Mon)	05:28	06:13	87	12:19	84S	18:24	273	19:09
2025 Sep 16 (Tue)	05:28	06:13	87	12:18	84S	18:23	273	19:08
2025 Sep 17 (Wed)	05:28	06:13	88	12:18	84S	18:23	272	19:08
2025 Sep 18 (Thu)	05:28	06:13	88	12:18	83S	18:22	272	19:07
2025 Sep 19 (Fri)	05:28	06:13	88	12:17	83S	18:21	271	19:07
2025 Sep 20 (Sat)	05:28	06:13	89	12:17	83S	18:21	271	19:06
2025 Sep 21 (Sun)	05:28	06:13	89	12:17	82S	18:20	271	19:05
2025 Sep 22 (Mon)	05:27	06:13	90	12:16	82S	18:20	270	19:05
2025 Sep 23 (Tue)	05:27	06:13	90	12:16	81S	18:19	270	19:04
2025 Sep 24 (Wed)	05:27	06:13	90	12:16	81S	18:18	269	19:04
2025 Sep 25 (Thu)	05:27	06:12	91	12:15	81S	18:18	269	19:03
2025 Sep 26 (Fri)	05:27	06:12	91	12:15	80S	18:17	269	19:02
2025 Sep 27 (Sat)	05:27	06:12	92	12:14	80S	18:17	268	19:02
2025 Sep 28 (Sun)	05:27	06:12	92	12:14	79S	18:16	268	19:01
2025 Sep 29 (Mon)	05:27	06:12	92	12:14	79S	18:15	267	19:01
2025 Sep 30 (Tue)	05:27	06:12	93	12:13	79S	18:15	267	19:00
2025 Oct 01 (Wed)	05:27	06:12	93	12:13	78S	18:14	267	19:00
2025 Oct 02 (Thu)	05:27	06:12	93	12:13	78S	18:14	266	18:59
2025 Oct 03 (Fri)	05:26	06:12	94	12:13	78S	18:13	266	18:58
2025 Oct 04 (Sat)	05:26	06:12	94	12:12	77S	18:13	266	18:58
2025 Oct 05 (Sun)	05:26	06:12	95	12:12	77S	18:12	265	18:57
2025 Oct 06 (Mon)	05:26	06:12	95	12:12	76S	18:11	265	18:57
2025 Oct 07 (Tue)	05:26	06:12	95	12:11	76S	18:11	264	18:56
2025 Oct 08 (Wed)	05:26	06:12	96	12:11	76S	18:10	264	18:56
2025 Oct 09 (Thu)	05:26	06:11	96	12:11	75S	18:10	264	18:55
2025 Oct 10 (Fri)	05:26	06:11	97	12:10	75S	18:09	263	18:55
2025 Oct 11 (Sat)	05:26	06:11	97	12:10	74S	18:09	263	18:54
2025 Oct 12 (Sun)	05:26	06:11	97	12:10	74S	18:08	262	18:54
2025 Oct 13 (Mon)	05:26	06:11	98	12:10	74S	18:08	262	18:53
2025 Oct 14 (Tue)	05:26	06:11	98	12:09	73S	18:07	262	18:53
2025 Oct 15 (Wed)	05:26	06:11	98	12:09	73S	18:07	261	18:53
2025 Oct 16 (Thu)	05:26	06:11	99	12:09	73S	18:07	261	18:52
2025 Oct 17 (Fri)	05:26	06:11	99	12:09	72S	18:06	261	18:52
2025 Oct 18 (Sat)	05:26	06:12	100	12:09	72S	18:06	260	18:51
2025 Oct 19 (Sun)	05:26	06:12	100	12:08	72S	18:05	260	18:51
2025 Oct 20 (Mon)	05:26	06:12	100	12:08	71S	18:05	259	18:51
2025 Oct 21 (Tue)	05:26	06:12	101	12:08	71S	18:04	259	18:50
2025 Oct 22 (Wed)	05:26	06:12	101	12:08	70S	18:04	259	18:50
2025 Oct 23 (Thu)	05:26	06:12	101	12:08	70S	18:04	258	18:50
2025 Oct 24 (Fri)	05:26	06:12	102	12:08	70S	18:03	258	18:49
2025 Oct 25 (Sat)	05:26	06:12	102	12:08	69S	18:03	258	18:49
2025 Oct 26 (Sun)	05:26	06:12	102	12:07	69S	18:03	257	18:49
2025 Oct 27 (Mon)	05:26	06:12	103	12:07	69S	18:02	257	18:49
2025 Oct 28 (Tue)	05:26	06:12	103	12:07	68S	18:02	257	18:48
2025 Oct 29 (Wed)	05:26	06:13	103	12:07	68S	18:02	256	18:48
2025 Oct 30 (Thu)	05:26	06:13	104	12:07	68S	18:01	256	18:48
2025 Oct 31 (Fri)	05:26	06:13	104	12:07	67S	18:01	256	18:48
2025 Nov 01 (Sat)	05:27	06:13	104	12:07	67S	18:01	255	18:48
2025 Nov 02 (Sun)	05:27	06:13	105	12:07	67S	18:01	255	18:47
2025 Nov 03 (Mon)	05:27	06:13	105	12:07	66S	18:01	255	18:47
2025 Nov 04 (Tue)	05:27	06:14	105	12:07	66S	18:00	254	18:47
2025 Nov 05 (Wed)	05:27	06:14	106	12:07	66S	18:00	254	18:47
2025 Nov 06 (Thu)	05:27	06:14	106	12:07	66S	18:00	254	18:47
2025 Nov 07 (Fri)	05:27	06:14	106	12:07	65S	18:00	254	18:47
2025 Nov 08 (Sat)	05:28	06:15	107	12:07	65S	18:00	253	18:47
2025 Nov 09 (Sun)	05:28	06:15	107	12:07	65S	18:00	253	18:47
2025 Nov 10 (Mon)	05:28	06:15	107	12:07	64S	17:59	253	18:47
2025 Nov 11 (Tue)	05:28	06:15	108	12:07	64S	17:59	252	18:47
2025 Nov 12 (Wed)	05:28	06:16	108	12:08	64S	17:59	252	18:47
2025 Nov 13 (Thu)	05:29	06:16	108	12:08	64S	17:59	252	18:47
2025 Nov 14 (Fri)	05:29	06:16	108	12:08	63S	17:59	252	18:47
2025 Nov 15 (Sat)	05:29	06:17	109	12:08	63S	17:59	251	18:47
2025 Nov 16 (Sun)	05:30	06:17	109	12:08	63S	17:59	251	18:47
2025 Nov 17 (Mon)	05:30	06:17	109	12:08	63S	17:59	251	18:47
2025 Nov 18 (Tue)	05:30	06:18	109	12:09	62S	17:59	251	18:47
2025 Nov 19 (Wed)	05:30	06:18	110	12:09	62S	17:59	250	18:47

2025 Nov 20 (Thu)	05:31	06:19	110	12:09	62S	17:59	250	18:47
2025 Nov 21 (Fri)	05:31	06:19	110	12:09	62S	18:00	250	18:48
2025 Nov 22 (Sat)	05:31	06:19	110	12:10	61S	18:00	250	18:48
2025 Nov 23 (Sun)	05:32	06:20	110	12:10	61S	18:00	249	18:48
2025 Nov 24 (Mon)	05:32	06:20	111	12:10	61S	18:00	249	18:48
2025 Nov 25 (Tue)	05:33	06:21	111	12:10	61S	18:00	249	18:48
2025 Nov 26 (Wed)	05:33	06:21	111	12:11	61S	18:00	249	18:49
2025 Nov 27 (Thu)	05:33	06:22	111	12:11	60S	18:00	249	18:49
2025 Nov 28 (Fri)	05:34	06:22	111	12:11	60S	18:01	248	18:49
2025 Nov 29 (Sat)	05:34	06:23	112	12:12	60S	18:01	248	18:49
2025 Nov 30 (Sun)	05:35	06:23	112	12:12	60S	18:01	248	18:50
2025 Dec 01 (Mon)	05:35	06:23	112	12:12	60S	18:01	248	18:50
2025 Dec 02 (Tue)	05:35	06:24	112	12:13	60S	18:02	248	18:50
2025 Dec 03 (Wed)	05:36	06:24	112	12:13	59S	18:02	248	18:51
2025 Dec 04 (Thu)	05:36	06:25	112	12:14	59S	18:02	248	18:51
2025 Dec 05 (Fri)	05:37	06:25	113	12:14	59S	18:03	247	18:51
2025 Dec 06 (Sat)	05:37	06:26	113	12:14	59S	18:03	247	18:52
2025 Dec 07 (Sun)	05:38	06:26	113	12:15	59S	18:03	247	18:52
2025 Dec 08 (Mon)	05:38	06:27	113	12:15	59S	18:04	247	18:52
2025 Dec 09 (Tue)	05:39	06:28	113	12:16	59S	18:04	247	18:53
2025 Dec 10 (Wed)	05:39	06:28	113	12:16	59S	18:04	247	18:53
2025 Dec 11 (Thu)	05:40	06:29	113	12:17	59S	18:05	247	18:54
2025 Dec 12 (Fri)	05:40	06:29	113	12:17	58S	18:05	247	18:54
2025 Dec 13 (Sat)	05:41	06:30	113	12:18	58S	18:06	247	18:55
2025 Dec 14 (Sun)	05:41	06:30	113	12:18	58S	18:06	247	18:55
2025 Dec 15 (Mon)	05:42	06:31	113	12:19	58S	18:06	247	18:56
2025 Dec 16 (Tue)	05:42	06:31	113	12:19	58S	18:07	246	18:56
2025 Dec 17 (Wed)	05:43	06:32	114	12:20	58S	18:07	246	18:56
2025 Dec 18 (Thu)	05:43	06:32	114	12:20	58S	18:08	246	18:57
2025 Dec 19 (Fri)	05:44	06:33	114	12:21	58S	18:08	246	18:57
2025 Dec 20 (Sat)	05:44	06:33	114	12:21	58S	18:09	246	18:58
2025 Dec 21 (Sun)	05:45	06:34	114	12:22	58S	18:09	246	18:58
2025 Dec 22 (Mon)	05:45	06:34	114	12:22	58S	18:10	246	18:59
2025 Dec 23 (Tue)	05:46	06:35	114	12:23	58S	18:10	246	18:59
2025 Dec 24 (Wed)	05:46	06:35	114	12:23	58S	18:11	246	19:00
2025 Dec 25 (Thu)	05:47	06:36	114	12:24	58S	18:11	246	19:00
2025 Dec 26 (Fri)	05:47	06:36	114	12:24	58S	18:12	246	19:01
2025 Dec 27 (Sat)	05:48	06:37	113	12:25	58S	18:12	247	19:01
2025 Dec 28 (Sun)	05:48	06:37	113	12:25	58S	18:13	247	19:02
2025 Dec 29 (Mon)	05:48	06:38	113	12:25	58S	18:13	247	19:02
2025 Dec 30 (Tue)	05:49	06:38	113	12:26	58S	18:14	247	19:03
2025 Dec 31 (Wed)	05:49	06:38	113	12:26	58S	18:15	247	19:03

Sun

VTDB

Location: E 99°08'00.0", N 9°08'00.0", 20m
(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)	06:16	06:39	113	12:27	59S	18:15	247	18:38
2025 Jan 02 (Thu)	06:17	06:39	113	12:27	59S	18:16	247	18:38
2025 Jan 03 (Fri)	06:17	06:40	113	12:28	59S	18:16	247	18:39
2025 Jan 04 (Sat)	06:17	06:40	113	12:28	59S	18:17	247	18:39
2025 Jan 05 (Sun)	06:18	06:40	113	12:29	59S	18:17	247	18:40
2025 Jan 06 (Mon)	06:18	06:41	113	12:29	59S	18:18	247	18:40
2025 Jan 07 (Tue)	06:19	06:41	113	12:30	59S	18:18	248	18:41
2025 Jan 08 (Wed)	06:19	06:41	112	12:30	59S	18:19	248	18:41
2025 Jan 09 (Thu)	06:19	06:42	112	12:31	60S	18:19	248	18:42
2025 Jan 10 (Fri)	06:20	06:42	112	12:31	60S	18:20	248	18:42
2025 Jan 11 (Sat)	06:20	06:42	112	12:31	60S	18:20	248	18:43
2025 Jan 12 (Sun)	06:20	06:43	112	12:32	60S	18:21	248	18:43

2025	Jan	13	(Mon)	06:20	06:43	112	12:32	60S	18:21	248	18:44
2025	Jan	14	(Tue)	06:21	06:43	111	12:33	60S	18:22	249	18:44
2025	Jan	15	(Wed)	06:21	06:43	111	12:33	61S	18:22	249	18:45
2025	Jan	16	(Thu)	06:21	06:44	111	12:33	61S	18:23	249	18:45
2025	Jan	17	(Fri)	06:21	06:44	111	12:34	61S	18:23	249	18:46
2025	Jan	18	(Sat)	06:22	06:44	111	12:34	61S	18:24	249	18:46
2025	Jan	19	(Sun)	06:22	06:44	110	12:34	61S	18:24	250	18:47
2025	Jan	20	(Mon)	06:22	06:44	110	12:34	62S	18:25	250	18:47
2025	Jan	21	(Tue)	06:22	06:44	110	12:35	62S	18:25	250	18:47
2025	Jan	22	(Wed)	06:22	06:45	110	12:35	62S	18:26	250	18:48
2025	Jan	23	(Thu)	06:22	06:45	110	12:35	62S	18:26	251	18:48
2025	Jan	24	(Fri)	06:23	06:45	109	12:36	62S	18:26	251	18:49
2025	Jan	25	(Sat)	06:23	06:45	109	12:36	63S	18:27	251	18:49
2025	Jan	26	(Sun)	06:23	06:45	109	12:36	63S	18:27	251	18:49
2025	Jan	27	(Mon)	06:23	06:45	109	12:36	63S	18:28	252	18:50
2025	Jan	28	(Tue)	06:23	06:45	108	12:36	63S	18:28	252	18:50
2025	Jan	29	(Wed)	06:23	06:45	108	12:37	64S	18:28	252	18:50
2025	Jan	30	(Thu)	06:23	06:45	108	12:37	64S	18:29	252	18:51
2025	Jan	31	(Fri)	06:23	06:45	107	12:37	64S	18:29	253	18:51
2025	Feb	01	(Sat)	06:23	06:45	107	12:37	65S	18:29	253	18:51
2025	Feb	02	(Sun)	06:23	06:45	107	12:37	65S	18:30	253	18:51
2025	Feb	03	(Mon)	06:23	06:45	107	12:37	65S	18:30	254	18:52
2025	Feb	04	(Tue)	06:23	06:45	106	12:37	65S	18:30	254	18:52
2025	Feb	05	(Wed)	06:23	06:44	106	12:37	66S	18:31	254	18:52
2025	Feb	06	(Thu)	06:23	06:44	106	12:38	66S	18:31	254	18:53
2025	Feb	07	(Fri)	06:22	06:44	105	12:38	66S	18:31	255	18:53
2025	Feb	08	(Sat)	06:22	06:44	105	12:38	67S	18:31	255	18:53
2025	Feb	09	(Sun)	06:22	06:44	105	12:38	67S	18:32	255	18:53
2025	Feb	10	(Mon)	06:22	06:44	104	12:38	67S	18:32	256	18:53
2025	Feb	11	(Tue)	06:22	06:43	104	12:38	68S	18:32	256	18:54
2025	Feb	12	(Wed)	06:22	06:43	104	12:38	68S	18:32	256	18:54
2025	Feb	13	(Thu)	06:21	06:43	103	12:38	68S	18:32	257	18:54
2025	Feb	14	(Fri)	06:21	06:43	103	12:38	69S	18:33	257	18:54
2025	Feb	15	(Sat)	06:21	06:42	103	12:38	69S	18:33	257	18:54
2025	Feb	16	(Sun)	06:21	06:42	102	12:37	69S	18:33	258	18:54
2025	Feb	17	(Mon)	06:20	06:42	102	12:37	70S	18:33	258	18:55
2025	Feb	18	(Tue)	06:20	06:42	102	12:37	70S	18:33	259	18:55
2025	Feb	19	(Wed)	06:20	06:41	101	12:37	70S	18:33	259	18:55
2025	Feb	20	(Thu)	06:20	06:41	101	12:37	71S	18:34	259	18:55
2025	Feb	21	(Fri)	06:19	06:40	101	12:37	71S	18:34	260	18:55
2025	Feb	22	(Sat)	06:19	06:40	100	12:37	71S	18:34	260	18:55
2025	Feb	23	(Sun)	06:19	06:40	100	12:37	72S	18:34	260	18:55
2025	Feb	24	(Mon)	06:18	06:39	99	12:37	72S	18:34	261	18:55
2025	Feb	25	(Tue)	06:18	06:39	99	12:36	73S	18:34	261	18:55
2025	Feb	26	(Wed)	06:17	06:39	99	12:36	73S	18:34	261	18:55
2025	Feb	27	(Thu)	06:17	06:38	98	12:36	73S	18:34	262	18:55
2025	Feb	28	(Fri)	06:17	06:38	98	12:36	74S	18:34	262	18:55
2025	Mar	01	(Sat)	06:16	06:37	98	12:36	74S	18:34	263	18:55
2025	Mar	02	(Sun)	06:16	06:37	97	12:36	74S	18:34	263	18:55
2025	Mar	03	(Mon)	06:15	06:36	97	12:35	75S	18:34	263	18:55
2025	Mar	04	(Tue)	06:15	06:36	96	12:35	75S	18:34	264	18:56
2025	Mar	05	(Wed)	06:14	06:36	96	12:35	76S	18:34	264	18:56
2025	Mar	06	(Thu)	06:14	06:35	96	12:35	76S	18:35	265	18:56
2025	Mar	07	(Fri)	06:14	06:35	95	12:34	76S	18:35	265	18:56
2025	Mar	08	(Sat)	06:13	06:34	95	12:34	77S	18:35	265	18:56
2025	Mar	09	(Sun)	06:13	06:34	94	12:34	77S	18:35	266	18:56
2025	Mar	10	(Mon)	06:12	06:33	94	12:34	78S	18:35	266	18:55
2025	Mar	11	(Tue)	06:12	06:33	94	12:33	78S	18:35	267	18:55
2025	Mar	12	(Wed)	06:11	06:32	93	12:33	78S	18:34	267	18:55
2025	Mar	13	(Thu)	06:11	06:31	93	12:33	79S	18:34	267	18:55
2025	Mar	14	(Fri)	06:10	06:31	92	12:33	79S	18:34	268	18:55
2025	Mar	15	(Sat)	06:10	06:30	92	12:32	80S	18:34	268	18:55
2025	Mar	16	(Sun)	06:09	06:30	92	12:32	80S	18:34	269	18:55
2025	Mar	17	(Mon)	06:08	06:29	91	12:32	80S	18:34	269	18:55
2025	Mar	18	(Tue)	06:08	06:29	91	12:32	81S	18:34	269	18:55
2025	Mar	19	(Wed)	06:07	06:28	90	12:31	81S	18:34	270	18:55
2025	Mar	20	(Thu)	06:07	06:28	90	12:31	82S	18:34	270	18:55

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

2025	May	27	(Tue)	05:40	06:03	68	12:21	79N	18:39	292	19:01
2025	May	28	(Wed)	05:40	06:03	68	12:21	78N	18:39	292	19:02
2025	May	29	(Thu)	05:40	06:03	68	12:21	78N	18:39	292	19:02
2025	May	30	(Fri)	05:40	06:03	68	12:21	78N	18:39	292	19:02
2025	May	31	(Sat)	05:40	06:03	68	12:21	78N	18:40	292	19:02
2025	Jun	01	(Sun)	05:40	06:03	68	12:21	78N	18:40	293	19:03
2025	Jun	02	(Mon)	05:40	06:03	67	12:21	78N	18:40	293	19:03
2025	Jun	03	(Tue)	05:40	06:03	67	12:22	77N	18:40	293	19:03
2025	Jun	04	(Wed)	05:40	06:03	67	12:22	77N	18:41	293	19:04
2025	Jun	05	(Thu)	05:40	06:03	67	12:22	77N	18:41	293	19:04
2025	Jun	06	(Fri)	05:40	06:03	67	12:22	77N	18:41	293	19:04
2025	Jun	07	(Sat)	05:40	06:03	67	12:22	77N	18:42	293	19:04
2025	Jun	08	(Sun)	05:40	06:03	67	12:23	77N	18:42	293	19:05
2025	Jun	09	(Mon)	05:41	06:03	67	12:23	77N	18:42	293	19:05
2025	Jun	10	(Tue)	05:41	06:04	67	12:23	77N	18:42	294	19:05
2025	Jun	11	(Wed)	05:41	06:04	66	12:23	77N	18:43	294	19:06
2025	Jun	12	(Thu)	05:41	06:04	66	12:23	77N	18:43	294	19:06
2025	Jun	13	(Fri)	05:41	06:04	66	12:24	77N	18:43	294	19:06
2025	Jun	14	(Sat)	05:41	06:04	66	12:24	77N	18:43	294	19:06
2025	Jun	15	(Sun)	05:41	06:04	66	12:24	77N	18:44	294	19:07
2025	Jun	16	(Mon)	05:42	06:05	66	12:24	76N	18:44	294	19:07
2025	Jun	17	(Tue)	05:42	06:05	66	12:24	76N	18:44	294	19:07
2025	Jun	18	(Wed)	05:42	06:05	66	12:25	76N	18:44	294	19:07
2025	Jun	19	(Thu)	05:42	06:05	66	12:25	76N	18:45	294	19:08
2025	Jun	20	(Fri)	05:42	06:05	66	12:25	76N	18:45	294	19:08
2025	Jun	21	(Sat)	05:43	06:06	66	12:25	76N	18:45	294	19:08
2025	Jun	22	(Sun)	05:43	06:06	66	12:25	76N	18:45	294	19:08
2025	Jun	23	(Mon)	05:43	06:06	66	12:26	76N	18:45	294	19:08
2025	Jun	24	(Tue)	05:43	06:06	66	12:26	76N	18:46	294	19:09
2025	Jun	25	(Wed)	05:43	06:06	66	12:26	76N	18:46	294	19:09
2025	Jun	26	(Thu)	05:44	06:07	66	12:26	76N	18:46	294	19:09
2025	Jun	27	(Fri)	05:44	06:07	66	12:27	77N	18:46	294	19:09
2025	Jun	28	(Sat)	05:44	06:07	66	12:27	77N	18:46	294	19:09
2025	Jun	29	(Sun)	05:44	06:07	66	12:27	77N	18:46	294	19:09
2025	Jun	30	(Mon)	05:45	06:08	66	12:27	77N	18:47	294	19:10
2025	Jul	01	(Tue)	05:45	06:08	66	12:27	77N	18:47	294	19:10
2025	Jul	02	(Wed)	05:45	06:08	67	12:28	77N	18:47	293	19:10
2025	Jul	03	(Thu)	05:46	06:08	67	12:28	77N	18:47	293	19:10
2025	Jul	04	(Fri)	05:46	06:09	67	12:28	77N	18:47	293	19:10
2025	Jul	05	(Sat)	05:46	06:09	67	12:28	77N	18:47	293	19:10
2025	Jul	06	(Sun)	05:46	06:09	67	12:28	77N	18:47	293	19:10
2025	Jul	07	(Mon)	05:47	06:09	67	12:28	77N	18:47	293	19:10
2025	Jul	08	(Tue)	05:47	06:10	67	12:29	77N	18:47	293	19:10
2025	Jul	09	(Wed)	05:47	06:10	67	12:29	78N	18:48	293	19:10
2025	Jul	10	(Thu)	05:47	06:10	67	12:29	78N	18:48	293	19:10
2025	Jul	11	(Fri)	05:48	06:10	67	12:29	78N	18:48	292	19:10
2025	Jul	12	(Sat)	05:48	06:11	68	12:29	78N	18:48	292	19:10
2025	Jul	13	(Sun)	05:48	06:11	68	12:29	78N	18:48	292	19:10
2025	Jul	14	(Mon)	05:48	06:11	68	12:29	78N	18:48	292	19:10
2025	Jul	15	(Tue)	05:49	06:11	68	12:29	78N	18:48	292	19:10
2025	Jul	16	(Wed)	05:49	06:12	68	12:30	79N	18:48	292	19:10
2025	Jul	17	(Thu)	05:49	06:12	68	12:30	79N	18:48	292	19:10
2025	Jul	18	(Fri)	05:49	06:12	69	12:30	79N	18:47	291	19:10
2025	Jul	19	(Sat)	05:50	06:12	69	12:30	79N	18:47	291	19:10
2025	Jul	20	(Sun)	05:50	06:12	69	12:30	79N	18:47	291	19:10
2025	Jul	21	(Mon)	05:50	06:13	69	12:30	79N	18:47	291	19:10
2025	Jul	22	(Tue)	05:50	06:13	69	12:30	80N	18:47	291	19:10
2025	Jul	23	(Wed)	05:51	06:13	70	12:30	80N	18:47	290	19:09
2025	Jul	24	(Thu)	05:51	06:13	70	12:30	80N	18:47	290	19:09
2025	Jul	25	(Fri)	05:51	06:13	70	12:30	80N	18:47	290	19:09
2025	Jul	26	(Sat)	05:51	06:13	70	12:30	80N	18:47	290	19:09
2025	Jul	27	(Sun)	05:51	06:14	70	12:30	81N	18:46	289	19:09
2025	Jul	28	(Mon)	05:52	06:14	71	12:30	81N	18:46	289	19:08
2025	Jul	29	(Tue)	05:52	06:14	71	12:30	81N	18:46	289	19:08
2025	Jul	30	(Wed)	05:52	06:14	71	12:30	81N	18:46	289	19:08
2025	Jul	31	(Thu)	05:52	06:14	71	12:30	82N	18:45	289	19:08
2025	Aug	01	(Fri)	05:52	06:14	72	12:30	82N	18:45	288	19:07

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

2025	Oct	08	(Wed)	05:50	06:12	96	12:11	76S	18:10	264	18:31
2025	Oct	09	(Thu)	05:50	06:11	96	12:11	75S	18:10	264	18:31
2025	Oct	10	(Fri)	05:50	06:11	97	12:10	75S	18:09	263	18:30
2025	Oct	11	(Sat)	05:50	06:11	97	12:10	74S	18:09	263	18:30
2025	Oct	12	(Sun)	05:50	06:11	97	12:10	74S	18:08	262	18:29
2025	Oct	13	(Mon)	05:50	06:11	98	12:10	74S	18:08	262	18:29
2025	Oct	14	(Tue)	05:50	06:11	98	12:09	73S	18:07	262	18:29
2025	Oct	15	(Wed)	05:50	06:11	98	12:09	73S	18:07	261	18:28
2025	Oct	16	(Thu)	05:50	06:11	99	12:09	73S	18:07	261	18:28
2025	Oct	17	(Fri)	05:50	06:11	99	12:09	72S	18:06	261	18:27
2025	Oct	18	(Sat)	05:50	06:12	100	12:09	72S	18:06	260	18:27
2025	Oct	19	(Sun)	05:50	06:12	100	12:08	72S	18:05	260	18:26
2025	Oct	20	(Mon)	05:50	06:12	100	12:08	71S	18:05	259	18:26
2025	Oct	21	(Tue)	05:50	06:12	101	12:08	71S	18:04	259	18:26
2025	Oct	22	(Wed)	05:50	06:12	101	12:08	70S	18:04	259	18:25
2025	Oct	23	(Thu)	05:51	06:12	101	12:08	70S	18:04	258	18:25
2025	Oct	24	(Fri)	05:51	06:12	102	12:08	70S	18:03	258	18:25
2025	Oct	25	(Sat)	05:51	06:12	102	12:08	69S	18:03	258	18:24
2025	Oct	26	(Sun)	05:51	06:12	102	12:07	69S	18:03	257	18:24
2025	Oct	27	(Mon)	05:51	06:12	103	12:07	69S	18:02	257	18:24
2025	Oct	28	(Tue)	05:51	06:12	103	12:07	68S	18:02	257	18:23
2025	Oct	29	(Wed)	05:51	06:13	103	12:07	68S	18:02	256	18:23
2025	Oct	30	(Thu)	05:51	06:13	104	12:07	68S	18:01	256	18:23
2025	Oct	31	(Fri)	05:51	06:13	104	12:07	67S	18:01	256	18:23
2025	Nov	01	(Sat)	05:51	06:13	104	12:07	67S	18:01	255	18:23
2025	Nov	02	(Sun)	05:52	06:13	105	12:07	67S	18:01	255	18:22
2025	Nov	03	(Mon)	05:52	06:13	105	12:07	66S	18:01	255	18:22
2025	Nov	04	(Tue)	05:52	06:14	105	12:07	66S	18:00	254	18:22
2025	Nov	05	(Wed)	05:52	06:14	106	12:07	66S	18:00	254	18:22
2025	Nov	06	(Thu)	05:52	06:14	106	12:07	66S	18:00	254	18:22
2025	Nov	07	(Fri)	05:53	06:14	106	12:07	65S	18:00	254	18:22
2025	Nov	08	(Sat)	05:53	06:15	107	12:07	65S	18:00	253	18:21
2025	Nov	09	(Sun)	05:53	06:15	107	12:07	65S	18:00	253	18:21
2025	Nov	10	(Mon)	05:53	06:15	107	12:07	64S	17:59	253	18:21
2025	Nov	11	(Tue)	05:54	06:15	108	12:07	64S	17:59	252	18:21
2025	Nov	12	(Wed)	05:54	06:16	108	12:08	64S	17:59	252	18:21
2025	Nov	13	(Thu)	05:54	06:16	108	12:08	64S	17:59	252	18:21
2025	Nov	14	(Fri)	05:54	06:16	108	12:08	63S	17:59	252	18:21
2025	Nov	15	(Sat)	05:55	06:17	109	12:08	63S	17:59	251	18:21
2025	Nov	16	(Sun)	05:55	06:17	109	12:08	63S	17:59	251	18:21
2025	Nov	17	(Mon)	05:55	06:17	109	12:08	63S	17:59	251	18:21
2025	Nov	18	(Tue)	05:56	06:18	109	12:09	62S	17:59	251	18:21
2025	Nov	19	(Wed)	05:56	06:18	110	12:09	62S	17:59	250	18:22
2025	Nov	20	(Thu)	05:56	06:19	110	12:09	62S	17:59	250	18:22
2025	Nov	21	(Fri)	05:57	06:19	110	12:09	62S	18:00	250	18:22
2025	Nov	22	(Sat)	05:57	06:19	110	12:10	61S	18:00	250	18:22
2025	Nov	23	(Sun)	05:58	06:20	110	12:10	61S	18:00	249	18:22
2025	Nov	24	(Mon)	05:58	06:20	111	12:10	61S	18:00	249	18:22
2025	Nov	25	(Tue)	05:58	06:21	111	12:10	61S	18:00	249	18:22
2025	Nov	26	(Wed)	05:59	06:21	111	12:11	61S	18:00	249	18:23
2025	Nov	27	(Thu)	05:59	06:22	111	12:11	60S	18:00	249	18:23
2025	Nov	28	(Fri)	06:00	06:22	111	12:11	60S	18:01	248	18:23
2025	Nov	29	(Sat)	06:00	06:23	112	12:12	60S	18:01	248	18:23
2025	Nov	30	(Sun)	06:01	06:23	112	12:12	60S	18:01	248	18:24
2025	Dec	01	(Mon)	06:01	06:23	112	12:12	60S	18:01	248	18:24
2025	Dec	02	(Tue)	06:01	06:24	112	12:13	60S	18:02	248	18:24
2025	Dec	03	(Wed)	06:02	06:24	112	12:13	59S	18:02	248	18:25
2025	Dec	04	(Thu)	06:02	06:25	112	12:14	59S	18:02	248	18:25
2025	Dec	05	(Fri)	06:03	06:25	113	12:14	59S	18:03	247	18:25
2025	Dec	06	(Sat)	06:03	06:26	113	12:14	59S	18:03	247	18:26
2025	Dec	07	(Sun)	06:04	06:26	113	12:15	59S	18:03	247	18:26
2025	Dec	08	(Mon)	06:04	06:27	113	12:15	59S	18:04	247	18:26
2025	Dec	09	(Tue)	06:05	06:28	113	12:16	59S	18:04	247	18:27
2025	Dec	10	(Wed)	06:05	06:28	113	12:16	59S	18:04	247	18:27
2025	Dec	11	(Thu)	06:06	06:29	113	12:17	59S	18:05	247	18:27
2025	Dec	12	(Fri)	06:06	06:29	113	12:17	58S	18:05	247	18:28
2025	Dec	13	(Sat)	06:07	06:30	113	12:18	58S	18:06	247	18:28

2025	Dec 14	(Sun)	06:07	06:30	113	12:18	58S	18:06	247	18:29
2025	Dec 15	(Mon)	06:08	06:31	113	12:19	58S	18:06	247	18:29
2025	Dec 16	(Tue)	06:08	06:31	113	12:19	58S	18:07	246	18:30
2025	Dec 17	(Wed)	06:09	06:32	114	12:20	58S	18:07	246	18:30
2025	Dec 18	(Thu)	06:09	06:32	114	12:20	58S	18:08	246	18:31
2025	Dec 19	(Fri)	06:10	06:33	114	12:21	58S	18:08	246	18:31
2025	Dec 20	(Sat)	06:10	06:33	114	12:21	58S	18:09	246	18:32
2025	Dec 21	(Sun)	06:11	06:34	114	12:22	58S	18:09	246	18:32
2025	Dec 22	(Mon)	06:11	06:34	114	12:22	58S	18:10	246	18:33
2025	Dec 23	(Tue)	06:12	06:35	114	12:23	58S	18:10	246	18:33
2025	Dec 24	(Wed)	06:12	06:35	114	12:23	58S	18:11	246	18:34
2025	Dec 25	(Thu)	06:13	06:36	114	12:24	58S	18:11	246	18:34
2025	Dec 26	(Fri)	06:13	06:36	114	12:24	58S	18:12	246	18:35
2025	Dec 27	(Sat)	06:14	06:37	113	12:25	58S	18:12	247	18:35
2025	Dec 28	(Sun)	06:14	06:37	113	12:25	58S	18:13	247	18:36
2025	Dec 29	(Mon)	06:15	06:38	113	12:25	58S	18:13	247	18:36
2025	Dec 30	(Tue)	06:15	06:38	113	12:26	58S	18:14	247	18:37
2025	Dec 31	(Wed)	06:16	06:38	113	12:26	58S	18:15	247	18:37

Moon

VTDB

Location: E 99°08'00.0", N 9°08'00.0", 20m
(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)	07:47	116	13:42	56S	19:38	245
2025 Jan 02 (Thu)	08:39	112	14:36	60S	20:35	250
2025 Jan 03 (Fri)	09:27	107	15:28	66S	21:30	256
2025 Jan 04 (Sat)	10:13	101	16:17	72S	22:23	262
2025 Jan 05 (Sun)	10:56	94	17:04	79S	23:15	269
2025 Jan 06 (Mon)	11:38	87	17:51	86S		
2025 Jan 07 (Tue)	12:22	80	18:39	89N	00:07	276
2025 Jan 08 (Wed)	13:07	74	19:30	82N	01:00	283
2025 Jan 09 (Thu)	13:56	69	20:25	77N	01:56	289
2025 Jan 10 (Fri)	14:50	64	21:23	73N	02:55	294
2025 Jan 11 (Sat)	15:49	62	22:24	71N	03:57	297
2025 Jan 12 (Sun)	16:50	61	23:25	71N	04:59	299
2025 Jan 13 (Mon)	17:51	63			06:00	298
2025 Jan 14 (Tue)	18:50	66	00:24	73N	06:56	296
2025 Jan 15 (Wed)	19:45	70	01:20	77N	07:47	292
2025 Jan 16 (Thu)	20:35	75	02:10	81N	08:33	287
2025 Jan 17 (Fri)	21:22	81	02:56	87N	09:14	282
2025 Jan 18 (Sat)	22:07	87	03:38	89S	09:52	276
2025 Jan 19 (Sun)	22:50	93	04:18	83S	10:28	270
2025 Jan 20 (Mon)	23:33	99	04:57	77S	11:03	264
2025 Jan 21 (Tue)			05:37	71S	11:39	258
2025 Jan 22 (Wed)	00:17	104	06:18	66S	12:17	253
2025 Jan 23 (Thu)	01:04	109	07:01	61S	12:58	249
2025 Jan 24 (Fri)	01:53	113	07:48	57S	13:43	245
2025 Jan 25 (Sat)	02:45	117	08:39	54S	14:32	242
2025 Jan 26 (Sun)	03:41	119	09:34	53S	15:26	241
2025 Jan 27 (Mon)	04:38	119	10:31	53S	16:24	242
2025 Jan 28 (Tue)	05:34	117	11:29	55S	17:24	244
2025 Jan 29 (Wed)	06:29	114	12:25	58S	18:23	248
2025 Jan 30 (Thu)	07:20	109	13:19	63S	19:20	253
2025 Jan 31 (Fri)	08:08	103	14:11	70S	20:16	260
2025 Feb 01 (Sat)	08:53	97	15:00	77S	21:09	267
2025 Feb 02 (Sun)	09:36	89	15:48	84S	22:02	274
2025 Feb 03 (Mon)	10:20	82	16:37	91N	22:56	281
2025 Feb 04 (Tue)	11:05	76	17:27	84N	23:51	287
2025 Feb 05 (Wed)	11:54	70	18:20	78N		
2025 Feb 06 (Thu)	12:46	65	19:17	74N	00:49	293

2025 Feb 07 (Fri)	13:42	62	20:16	72N	01:49	297
2025 Feb 08 (Sat)	14:41	61	21:16	71N	02:51	299
2025 Feb 09 (Sun)	15:41	62	22:15	72N	03:51	299
2025 Feb 10 (Mon)	16:39	64	23:10	75N	04:48	297
2025 Feb 11 (Tue)	17:35	68			05:40	294
2025 Feb 12 (Wed)	18:26	73	00:02	79N	06:27	289
2025 Feb 13 (Thu)	19:15	79	00:49	84N	07:09	284
2025 Feb 14 (Fri)	20:00	85	01:32	90N	07:48	278
2025 Feb 15 (Sat)	20:44	91	02:13	85S	08:25	272
2025 Feb 16 (Sun)	21:28	97	02:53	79S	09:00	266
2025 Feb 17 (Mon)	22:11	102	03:33	73S	09:36	261
2025 Feb 18 (Tue)	22:57	108	04:13	68S	10:13	255
2025 Feb 19 (Wed)	23:44	112	04:55	63S	10:52	250
2025 Feb 20 (Thu)			05:40	58S	11:35	246
2025 Feb 21 (Fri)	00:35	116	06:29	55S	12:22	243
2025 Feb 22 (Sat)	01:28	118	07:21	53S	13:13	241
2025 Feb 23 (Sun)	02:23	119	08:16	52S	14:08	241
2025 Feb 24 (Mon)	03:19	118	09:13	53S	15:07	242
2025 Feb 25 (Tue)	04:14	116	10:09	56S	16:06	246
2025 Feb 26 (Wed)	05:07	112	11:05	61S	17:04	251
2025 Feb 27 (Thu)	05:56	106	11:58	66S	18:01	257
2025 Feb 28 (Fri)	06:43	100	12:49	73S	18:56	264
2025 Mar 01 (Sat)	07:29	93	13:39	81S	19:51	271
2025 Mar 02 (Sun)	08:14	85	14:29	88S	20:47	278
2025 Mar 03 (Mon)	09:00	78	15:20	86N	21:43	285
2025 Mar 04 (Tue)	09:49	72	16:14	80N	22:42	291
2025 Mar 05 (Wed)	10:41	66	17:11	75N	23:43	296
2025 Mar 06 (Thu)	11:37	63	18:10	72N		
2025 Mar 07 (Fri)	12:35	61	19:11	71N	00:45	298
2025 Mar 08 (Sat)	13:35	61	20:10	71N	01:46	299
2025 Mar 09 (Sun)	14:34	63	21:06	74N	02:44	298
2025 Mar 10 (Mon)	15:29	67	21:58	78N	03:36	295
2025 Mar 11 (Tue)	16:22	71	22:45	82N	04:24	291
2025 Mar 12 (Wed)	17:10	77	23:29	88N	05:07	286
2025 Mar 13 (Thu)	17:56	82			05:46	280
2025 Mar 14 (Fri)	18:40	88	00:11	88S	06:23	275
2025 Mar 15 (Sat)	19:24	94	00:51	81S	06:59	269
2025 Mar 16 (Sun)	20:07	100	01:30	75S	07:35	263
2025 Mar 17 (Mon)	20:52	106	02:10	70S	08:11	257
2025 Mar 18 (Tue)	21:38	110	02:51	65S	08:49	252
2025 Mar 19 (Wed)	22:27	114	03:35	60S	09:31	248
2025 Mar 20 (Thu)	23:19	117	04:22	56S	10:15	244
2025 Mar 21 (Fri)			05:12	54S	11:04	242
2025 Mar 22 (Sat)	00:13	119	06:05	52S	11:57	241
2025 Mar 23 (Sun)	01:07	119	07:00	53S	12:53	242
2025 Mar 24 (Mon)	02:01	117	07:55	55S	13:50	244
2025 Mar 25 (Tue)	02:54	114	08:50	58S	14:47	248
2025 Mar 26 (Wed)	03:43	109	09:43	63S	15:44	253
2025 Mar 27 (Thu)	04:31	103	10:34	70S	16:39	260
2025 Mar 28 (Fri)	05:17	97	11:24	77S	17:34	267
2025 Mar 29 (Sat)	06:02	89	12:15	84S	18:30	275
2025 Mar 30 (Sun)	06:49	82	13:07	90N	19:27	282
2025 Mar 31 (Mon)	07:37	75	14:01	83N	20:27	289
2025 Apr 01 (Tue)	08:30	69	14:59	77N	21:30	294
2025 Apr 02 (Wed)	09:26	64	15:59	73N	22:34	298
2025 Apr 03 (Thu)	10:26	61	17:02	71N	23:38	299
2025 Apr 04 (Fri)	11:28	61	18:03	71N		
2025 Apr 05 (Sat)	12:28	62	19:01	73N	00:38	298
2025 Apr 06 (Sun)	13:25	65	19:55	76N	01:33	296
2025 Apr 07 (Mon)	14:19	70	20:44	81N	02:23	292
2025 Apr 08 (Tue)	15:08	75	21:28	86N	03:07	288
2025 Apr 09 (Wed)	15:54	81	22:10	89S	03:47	282
2025 Apr 10 (Thu)	16:38	86	22:50	83S	04:24	276
2025 Apr 11 (Fri)	17:22	92	23:29	78S	05:00	271
2025 Apr 12 (Sat)	18:05	98			05:35	265
2025 Apr 13 (Sun)	18:49	104	00:09	72S	06:11	259
2025 Apr 14 (Mon)	19:35	109	00:50	66S	06:49	254

2025 Apr 15 (Tue)	20:23 113	01:33 61S	07:29 249
2025 Apr 16 (Wed)	21:14 116	02:18 57S	08:12 245
2025 Apr 17 (Thu)	22:06 118	03:07 54S	09:00 242
2025 Apr 18 (Fri)	23:00 119	03:59 53S	09:51 241
2025 Apr 19 (Sat)	23:53 118	04:52 52S	10:45 241
2025 Apr 20 (Sun)		05:46 54S	11:40 243
2025 Apr 21 (Mon)	00:45 116	06:40 57S	12:36 246
2025 Apr 22 (Tue)	01:34 112	07:32 61S	13:31 251
2025 Apr 23 (Wed)	02:21 106	08:22 67S	14:25 257
2025 Apr 24 (Thu)	03:06 100	09:11 73S	15:18 263
2025 Apr 25 (Fri)	03:50 93	10:00 80S	16:12 271
2025 Apr 26 (Sat)	04:35 86	10:50 88S	17:08 278
2025 Apr 27 (Sun)	05:23 78	11:43 86N	18:07 285
2025 Apr 28 (Mon)	06:14 72	12:40 80N	19:09 291
2025 Apr 29 (Tue)	07:09 66	13:41 75N	20:14 296
2025 Apr 30 (Wed)	08:10 63	14:45 72N	21:21 299
2025 May 01 (Thu)	09:13 61	15:49 71N	22:25 299
2025 May 02 (Fri)	10:16 62	16:51 72N	23:25 297
2025 May 03 (Sat)	11:17 64	17:48 75N	
2025 May 04 (Sun)	12:13 68	18:40 79N	00:18 294
2025 May 05 (Mon)	13:04 73	19:27 85N	01:05 289
2025 May 06 (Tue)	13:52 79	20:10 90N	01:46 284
2025 May 07 (Wed)	14:37 85	20:50 85S	02:25 278
2025 May 08 (Thu)	15:20 91	21:29 79S	03:01 272
2025 May 09 (Fri)	16:03 97	22:08 74S	03:36 266
2025 May 10 (Sat)	16:47 102	22:49 68S	04:12 261
2025 May 11 (Sun)	17:32 107	23:31 63S	04:49 255
2025 May 12 (Mon)	18:20 112		05:28 250
2025 May 13 (Tue)	19:10 115	00:16 59S	06:11 246
2025 May 14 (Wed)	20:02 118	01:04 55S	06:57 243
2025 May 15 (Thu)	20:56 119	01:55 53S	07:47 241
2025 May 16 (Fri)	21:49 118	02:48 53S	08:40 241
2025 May 17 (Sat)	22:41 116	03:42 53S	09:35 242
2025 May 18 (Sun)	23:30 113	04:35 56S	10:30 245
2025 May 19 (Mon)		05:26 60S	11:24 249
2025 May 20 (Tue)	00:16 108	06:16 65S	12:17 255
2025 May 21 (Wed)	01:00 102	07:03 71S	13:09 261
2025 May 22 (Thu)	01:43 96	07:51 77S	14:00 268
2025 May 23 (Fri)	02:26 89	08:39 85S	14:53 275
2025 May 24 (Sat)	03:11 82	09:28 90N	15:49 282
2025 May 25 (Sun)	03:59 75	10:22 83N	16:48 288
2025 May 26 (Mon)	04:51 69	11:20 77N	17:51 294
2025 May 27 (Tue)	05:49 64	12:23 73N	18:58 297
2025 May 28 (Wed)	06:52 62	13:28 71N	20:05 299
2025 May 29 (Thu)	07:57 61	14:34 71N	21:09 298
2025 May 30 (Fri)	09:01 63	15:35 74N	22:06 295
2025 May 31 (Sat)	10:01 67	16:30 78N	22:57 291
2025 Jun 01 (Sun)	10:56 71	17:21 83N	23:42 286
2025 Jun 02 (Mon)	11:47 77	18:06 88N	
2025 Jun 03 (Tue)	12:33 83	18:48 87S	00:23 280
2025 Jun 04 (Wed)	13:17 89	19:28 81S	01:00 274
2025 Jun 05 (Thu)	14:01 95	20:07 75S	01:36 268
2025 Jun 06 (Fri)	14:44 100	20:47 70S	02:12 262
2025 Jun 07 (Sat)	15:29 106	21:28 64S	02:48 257
2025 Jun 08 (Sun)	16:16 110	22:12 60S	03:27 252
2025 Jun 09 (Mon)	17:05 114	23:00 56S	04:08 248
2025 Jun 10 (Tue)	17:57 117	23:50 54S	04:53 244
2025 Jun 11 (Wed)	18:51 119		05:43 242
2025 Jun 12 (Thu)	19:45 119	00:43 53S	06:35 241
2025 Jun 13 (Fri)	20:38 117	01:37 53S	07:30 242
2025 Jun 14 (Sat)	21:28 114	02:31 55S	08:26 244
2025 Jun 15 (Sun)	22:15 109	03:23 58S	09:20 248
2025 Jun 16 (Mon)	22:59 104	04:13 63S	10:13 253
2025 Jun 17 (Tue)	23:41 98	05:01 69S	11:05 259
2025 Jun 18 (Wed)		05:47 75S	11:55 266
2025 Jun 19 (Thu)	00:23 91	06:33 82S	12:46 272
2025 Jun 20 (Fri)	01:06 84	07:21 89S	13:39 279

2025 Jun 21 (Sat)	01:50	77	08:11	86N	14:34	286
2025 Jun 22 (Sun)	02:39	71	09:05	80N	15:34	292
2025 Jun 23 (Mon)	03:33	66	10:05	75N	16:38	296
2025 Jun 24 (Tue)	04:33	63	11:08	72N	17:44	298
2025 Jun 25 (Wed)	05:37	61	12:13	71N	18:49	299
2025 Jun 26 (Thu)	06:42	62	13:17	73N	19:50	297
2025 Jun 27 (Fri)	07:45	65	14:16	76N	20:45	293
2025 Jun 28 (Sat)	08:43	69	15:10	80N	21:34	288
2025 Jun 29 (Sun)	09:37	75	15:58	86N	22:17	282
2025 Jun 30 (Mon)	10:26	80	16:42	89S	22:57	276
2025 Jul 01 (Tue)	11:12	87	17:24	83S	23:34	270
2025 Jul 02 (Wed)	11:56	93	18:04	77S		
2025 Jul 03 (Thu)	12:40	98	18:44	72S	00:10	264
2025 Jul 04 (Fri)	13:24	104	19:25	66S	00:46	259
2025 Jul 05 (Sat)	14:10	109	20:08	61S	01:24	254
2025 Jul 06 (Sun)	14:58	113	20:54	57S	02:04	249
2025 Jul 07 (Mon)	15:50	116	21:43	54S	02:48	245
2025 Jul 08 (Tue)	16:43	118	22:36	53S	03:36	243
2025 Jul 09 (Wed)	17:37	119	23:30	53S	04:28	241
2025 Jul 10 (Thu)	18:31	118			05:23	242
2025 Jul 11 (Fri)	19:23	115	00:25	54S	06:19	243
2025 Jul 12 (Sat)	20:12	111	01:18	57S	07:15	247
2025 Jul 13 (Sun)	20:58	106	02:10	62S	08:09	252
2025 Jul 14 (Mon)	21:41	99	02:59	67S	09:02	257
2025 Jul 15 (Tue)	22:23	93	03:46	74S	09:53	264
2025 Jul 16 (Wed)	23:05	86	04:32	80S	10:43	271
2025 Jul 17 (Thu)	23:48	79	05:18	87S	11:35	278
2025 Jul 18 (Fri)			06:07	87N	12:28	284
2025 Jul 19 (Sat)	00:34	73	06:58	81N	13:25	290
2025 Jul 20 (Sun)	01:25	68	07:54	76N	14:25	295
2025 Jul 21 (Mon)	02:21	64	08:54	73N	15:29	298
2025 Jul 22 (Tue)	03:22	61	09:57	71N	16:33	299
2025 Jul 23 (Wed)	04:25	61	11:01	72N	17:35	298
2025 Jul 24 (Thu)	05:28	63	12:01	74N	18:33	295
2025 Jul 25 (Fri)	06:28	67	12:57	78N	19:24	290
2025 Jul 26 (Sat)	07:24	72	13:48	83N	20:10	285
2025 Jul 27 (Sun)	08:16	78	14:35	89N	20:51	279
2025 Jul 28 (Mon)	09:04	84	15:18	86S	21:29	273
2025 Jul 29 (Tue)	09:49	90	15:59	80S	22:06	267
2025 Jul 30 (Wed)	10:34	96	16:39	74S	22:43	261
2025 Jul 31 (Thu)	11:18	102	17:20	68S	23:20	255
2025 Aug 01 (Fri)	12:03	107	18:02	63S	23:59	250
2025 Aug 02 (Sat)	12:51	112	18:47	59S		
2025 Aug 03 (Sun)	13:41	115	19:35	55S	00:42	246
2025 Aug 04 (Mon)	14:33	118	20:26	53S	01:28	243
2025 Aug 05 (Tue)	15:27	119	21:19	52S	02:18	241
2025 Aug 06 (Wed)	16:21	118	22:14	53S	03:12	241
2025 Aug 07 (Thu)	17:15	116	23:09	56S	04:08	242
2025 Aug 08 (Fri)	18:05	113			05:04	245
2025 Aug 09 (Sat)	18:53	108	00:02	60S	06:00	250
2025 Aug 10 (Sun)	19:38	102	00:53	65S	06:54	255
2025 Aug 11 (Mon)	20:21	95	01:41	71S	07:47	261
2025 Aug 12 (Tue)	21:03	88	02:29	78S	08:39	268
2025 Aug 13 (Wed)	21:47	81	03:16	85S	09:31	275
2025 Aug 14 (Thu)	22:32	75	04:04	89N	10:24	282
2025 Aug 15 (Fri)	23:21	69	04:55	83N	11:20	288
2025 Aug 16 (Sat)			05:49	78N	12:19	294
2025 Aug 17 (Sun)	00:15	65	06:47	73N	13:21	297
2025 Aug 18 (Mon)	01:13	62	07:49	71N	14:24	299
2025 Aug 19 (Tue)	02:15	61	08:51	71N	15:26	299
2025 Aug 20 (Wed)	03:17	62	09:51	73N	16:24	296
2025 Aug 21 (Thu)	04:17	65	10:48	76N	17:16	292
2025 Aug 22 (Fri)	05:14	70	11:40	81N	18:03	287
2025 Aug 23 (Sat)	06:06	75	12:27	87N	18:46	282
2025 Aug 24 (Sun)	06:55	81	13:11	89S	19:25	275
2025 Aug 25 (Mon)	07:42	88	13:53	82S	20:03	269
2025 Aug 26 (Tue)	08:27	94	14:34	76S	20:39	263

2025 Aug 27 (Wed)	09:12 100	15:15 70S	21:17 257
2025 Aug 28 (Thu)	09:57 105	15:57 65S	21:55 252
2025 Aug 29 (Fri)	10:43 110	16:41 60S	22:36 248
2025 Aug 30 (Sat)	11:32 114	17:27 56S	23:21 244
2025 Aug 31 (Sun)	12:23 117	18:16 54S	
2025 Sep 01 (Mon)	13:16 119	19:08 53S	00:09 242
2025 Sep 02 (Tue)	14:10 119	20:02 53S	01:00 241
2025 Sep 03 (Wed)	15:03 118	20:56 54S	01:55 242
2025 Sep 04 (Thu)	15:54 115	21:50 58S	02:51 244
2025 Sep 05 (Fri)	16:43 110	22:42 62S	03:47 247
2025 Sep 06 (Sat)	17:30 105	23:31 68S	04:42 252
2025 Sep 07 (Sun)	18:14 98		05:36 259
2025 Sep 08 (Mon)	18:58 91	00:20 75S	06:29 265
2025 Sep 09 (Tue)	19:42 84	01:09 82S	07:22 273
2025 Sep 10 (Wed)	20:28 77	01:58 90S	08:16 280
2025 Sep 11 (Thu)	21:17 71	02:49 85N	09:13 286
2025 Sep 12 (Fri)	22:10 66	03:44 79N	10:12 292
2025 Sep 13 (Sat)	23:08 62	04:42 75N	11:15 296
2025 Sep 14 (Sun)		05:43 72N	12:18 299
2025 Sep 15 (Mon)	00:09 61	06:45 71N	13:20 299
2025 Sep 16 (Tue)	01:11 62	07:45 72N	14:19 297
2025 Sep 17 (Wed)	02:11 64	08:42 75N	15:12 294
2025 Sep 18 (Thu)	03:08 68	09:35 79N	16:00 289
2025 Sep 19 (Fri)	04:01 73	10:23 85N	16:43 284
2025 Sep 20 (Sat)	04:50 79	11:08 91N	17:23 278
2025 Sep 21 (Sun)	05:37 85	11:50 85S	18:01 272
2025 Sep 22 (Mon)	06:22 91	12:31 78S	18:37 266
2025 Sep 23 (Tue)	07:06 97	13:11 72S	19:14 260
2025 Sep 24 (Wed)	07:51 103	13:53 67S	19:52 254
2025 Sep 25 (Thu)	08:37 108	14:36 62S	20:32 249
2025 Sep 26 (Fri)	09:25 113	15:21 58S	21:15 246
2025 Sep 27 (Sat)	10:15 116	16:09 55S	22:02 243
2025 Sep 28 (Sun)	11:07 118	16:59 53S	22:51 241
2025 Sep 29 (Mon)	12:00 119	17:52 52S	23:44 241
2025 Sep 30 (Tue)	12:52 118	18:45 53S	
2025 Oct 01 (Wed)	13:43 116	19:38 56S	00:38 243
2025 Oct 02 (Thu)	14:32 112	20:29 60S	01:33 245
2025 Oct 03 (Fri)	15:19 107	21:19 65S	02:27 250
2025 Oct 04 (Sat)	16:04 101	22:08 72S	03:21 255
2025 Oct 05 (Sun)	16:48 95	22:56 79S	04:14 262
2025 Oct 06 (Mon)	17:32 87	23:45 86S	05:07 269
2025 Oct 07 (Tue)	18:18 80		06:01 276
2025 Oct 08 (Wed)	19:07 73	00:37 88N	06:58 283
2025 Oct 09 (Thu)	20:00 68	01:31 82N	07:59 290
2025 Oct 10 (Fri)	20:58 63	02:30 76N	09:02 295
2025 Oct 11 (Sat)	22:00 61	03:32 73N	10:08 298
2025 Oct 12 (Sun)	23:04 61	04:36 71N	11:12 299
2025 Oct 13 (Mon)		05:39 72N	12:13 298
2025 Oct 14 (Tue)	00:05 63	06:38 74N	13:09 295
2025 Oct 15 (Wed)	01:04 67	07:32 78N	13:58 291
2025 Oct 16 (Thu)	01:57 72	08:21 83N	14:43 285
2025 Oct 17 (Fri)	02:47 77	09:06 89N	15:23 280
2025 Oct 18 (Sat)	03:34 83	09:49 87S	16:01 274
2025 Oct 19 (Sun)	04:19 89	10:29 81S	16:37 268
2025 Oct 20 (Mon)	05:03 95	11:10 75S	17:14 262
2025 Oct 21 (Tue)	05:48 101	11:50 69S	17:51 256
2025 Oct 22 (Wed)	06:33 107	12:33 64S	18:30 251
2025 Oct 23 (Thu)	07:21 111	13:17 59S	19:12 247
2025 Oct 24 (Fri)	08:10 115	14:04 56S	19:57 244
2025 Oct 25 (Sat)	09:01 117	14:54 54S	20:46 242
2025 Oct 26 (Sun)	09:53 119	15:45 53S	21:37 241
2025 Oct 27 (Mon)	10:45 119	16:37 53S	22:30 242
2025 Oct 28 (Tue)	11:36 117	17:29 55S	23:23 244
2025 Oct 29 (Wed)	12:24 114	18:20 58S	
2025 Oct 30 (Thu)	13:10 110	19:09 63S	00:16 248
2025 Oct 31 (Fri)	13:54 104	19:56 69S	01:08 253
2025 Nov 01 (Sat)	14:37 98	20:43 75S	02:00 259

2025 Nov 02 (Sun)	15:20	91	21:31	82S	02:51	265
2025 Nov 03 (Mon)	16:04	84	22:20	89S	03:44	273
2025 Nov 04 (Tue)	16:52	77	23:13	85N	04:39	280
2025 Nov 05 (Wed)	17:43	70			05:38	287
2025 Nov 06 (Thu)	18:41	65	00:11	79N	06:41	292
2025 Nov 07 (Fri)	19:43	62	01:13	74N	07:48	297
2025 Nov 08 (Sat)	20:49	61	02:19	72N	08:56	299
2025 Nov 09 (Sun)	21:54	63	03:25	71N	10:01	298
2025 Nov 10 (Mon)	22:56	66	04:28	73N	11:01	296
2025 Nov 11 (Tue)	23:52	70	05:26	77N	11:54	292
2025 Nov 12 (Wed)			06:18	81N	12:41	287
2025 Nov 13 (Thu)	00:44	76	07:05	87N	13:23	281
2025 Nov 14 (Fri)	01:32	82	07:48	88S	14:02	275
2025 Nov 15 (Sat)	02:18	88	08:29	82S	14:38	269
2025 Nov 16 (Sun)	03:02	94	09:09	76S	15:15	263
2025 Nov 17 (Mon)	03:46	99	09:50	71S	15:51	258
2025 Nov 18 (Tue)	04:31	105	10:31	65S	16:30	253
2025 Nov 19 (Wed)	05:17	110	11:15	61S	17:11	248
2025 Nov 20 (Thu)	06:06	114	12:01	57S	17:55	245
2025 Nov 21 (Fri)	06:57	117	12:50	54S	18:42	242
2025 Nov 22 (Sat)	07:49	118	13:41	53S	19:33	241
2025 Nov 23 (Sun)	08:41	119	14:33	53S	20:25	242
2025 Nov 24 (Mon)	09:32	117	15:25	54S	21:18	244
2025 Nov 25 (Tue)	10:20	115	16:15	57S	22:11	247
2025 Nov 26 (Wed)	11:06	111	17:03	61S	23:02	251
2025 Nov 27 (Thu)	11:50	106	17:50	67S	23:52	257
2025 Nov 28 (Fri)	12:32	100	18:35	73S		
2025 Nov 29 (Sat)	13:13	94	19:21	79S	00:41	263
2025 Nov 30 (Sun)	13:54	87	20:07	86S	01:31	269
2025 Dec 01 (Mon)	14:38	80	20:57	88N	02:23	276
2025 Dec 02 (Tue)	15:26	74	21:51	82N	03:18	283
2025 Dec 03 (Wed)	16:20	68	22:50	77N	04:18	289
2025 Dec 04 (Thu)	17:20	64	23:54	73N	05:22	294
2025 Dec 05 (Fri)	18:25	62			06:30	298
2025 Dec 06 (Sat)	19:33	62	01:02	71N	07:39	299
2025 Dec 07 (Sun)	20:39	64	02:09	72N	08:44	297
2025 Dec 08 (Mon)	21:40	68	03:11	75N	09:42	294
2025 Dec 09 (Tue)	22:36	74	04:08	80N	10:33	289
2025 Dec 10 (Wed)	23:27	80	04:59	85N	11:19	283
2025 Dec 11 (Thu)			05:44	90S	12:00	277
2025 Dec 12 (Fri)	00:14	86	06:27	84S	12:38	271
2025 Dec 13 (Sat)	00:59	92	07:08	78S	13:14	265
2025 Dec 14 (Sun)	01:44	98	07:48	72S	13:51	259
2025 Dec 15 (Mon)	02:28	103	08:30	67S	14:29	254
2025 Dec 16 (Tue)	03:14	108	09:12	62S	15:09	249
2025 Dec 17 (Wed)	04:02	113	09:58	58S	15:52	246
2025 Dec 18 (Thu)	04:52	116	10:46	55S	16:39	243
2025 Dec 19 (Fri)	05:44	118	11:36	53S	17:29	242
2025 Dec 20 (Sat)	06:36	119	12:29	53S	18:21	242
2025 Dec 21 (Sun)	07:28	118	13:21	54S	19:14	243
2025 Dec 22 (Mon)	08:18	116	14:12	56S	20:07	246
2025 Dec 23 (Tue)	09:05	112	15:01	60S	20:59	250
2025 Dec 24 (Wed)	09:49	108	15:48	65S	21:49	255
2025 Dec 25 (Thu)	10:31	102	16:33	71S	22:38	261
2025 Dec 26 (Fri)	11:11	96	17:17	77S	23:26	267
2025 Dec 27 (Sat)	11:51	89	18:02	84S		
2025 Dec 28 (Sun)	12:32	83	18:49	90S	00:16	274
2025 Dec 29 (Mon)	13:17	76	19:38	85N	01:07	281
2025 Dec 30 (Tue)	14:06	70	20:33	79N	02:02	287
2025 Dec 31 (Wed)	15:01	65	21:33	74N	03:02	292