

Sun

Mukdahan

Location: E104°33'53.9", N16°34'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2025 Jan 01 (Wed)	05:40	06:30 114		12:05 51S	17:40 246		18:31
2025 Jan 02 (Thu)	05:40	06:31 114		12:06 51S	17:41 246		18:31
2025 Jan 03 (Fri)	05:41	06:31 114		12:06 51S	17:41 246		18:32
2025 Jan 04 (Sat)	05:41	06:31 113		12:07 51S	17:42 247		18:32
2025 Jan 05 (Sun)	05:42	06:32 113		12:07 52S	17:43 247		18:33
2025 Jan 06 (Mon)	05:42	06:32 113		12:08 52S	17:43 247		18:33
2025 Jan 07 (Tue)	05:42	06:32 113		12:08 52S	17:44 247		18:34
2025 Jan 08 (Wed)	05:42	06:33 113		12:08 52S	17:44 247		18:34
2025 Jan 09 (Thu)	05:43	06:33 113		12:09 52S	17:45 247		18:35
2025 Jan 10 (Fri)	05:43	06:33 113		12:09 52S	17:46 247		18:36
2025 Jan 11 (Sat)	05:43	06:33 113		12:10 52S	17:46 248		18:36
2025 Jan 12 (Sun)	05:43	06:33 112		12:10 53S	17:47 248		18:37
2025 Jan 13 (Mon)	05:44	06:33 112		12:10 53S	17:47 248		18:37
2025 Jan 14 (Tue)	05:44	06:34 112		12:11 53S	17:48 248		18:38
2025 Jan 15 (Wed)	05:44	06:34 112		12:11 53S	17:49 248		18:38
2025 Jan 16 (Thu)	05:44	06:34 112		12:11 53S	17:49 248		18:39
2025 Jan 17 (Fri)	05:44	06:34 111		12:12 53S	17:50 249		18:39
2025 Jan 18 (Sat)	05:44	06:34 111		12:12 54S	17:50 249		18:40
2025 Jan 19 (Sun)	05:45	06:34 111		12:12 54S	17:51 249		18:40
2025 Jan 20 (Mon)	05:45	06:34 111		12:13 54S	17:52 249		18:41
2025 Jan 21 (Tue)	05:45	06:34 111		12:13 54S	17:52 250		18:41
2025 Jan 22 (Wed)	05:45	06:34 110		12:13 55S	17:53 250		18:42
2025 Jan 23 (Thu)	05:45	06:34 110		12:14 55S	17:53 250		18:42
2025 Jan 24 (Fri)	05:45	06:34 110		12:14 55S	17:54 250		18:43
2025 Jan 25 (Sat)	05:45	06:34 110		12:14 55S	17:54 251		18:43
2025 Jan 26 (Sun)	05:45	06:34 109		12:14 55S	17:55 251		18:44
2025 Jan 27 (Mon)	05:45	06:34 109		12:14 56S	17:56 251		18:44
2025 Jan 28 (Tue)	05:45	06:33 109		12:15 56S	17:56 251		18:45
2025 Jan 29 (Wed)	05:45	06:33 108		12:15 56S	17:57 252		18:45
2025 Jan 30 (Thu)	05:44	06:33 108		12:15 57S	17:57 252		18:46
2025 Jan 31 (Fri)	05:44	06:33 108		12:15 57S	17:58 252		18:46
2025 Feb 01 (Sat)	05:44	06:33 108		12:15 57S	17:58 253		18:47
2025 Feb 02 (Sun)	05:44	06:32 107		12:15 57S	17:59 253		18:47
2025 Feb 03 (Mon)	05:44	06:32 107		12:16 58S	17:59 253		18:47
2025 Feb 04 (Tue)	05:44	06:32 107		12:16 58S	18:00 253		18:48
2025 Feb 05 (Wed)	05:43	06:32 106		12:16 58S	18:00 254		18:48
2025 Feb 06 (Thu)	05:43	06:31 106		12:16 59S	18:01 254		18:49
2025 Feb 07 (Fri)	05:43	06:31 106		12:16 59S	18:01 254		18:49
2025 Feb 08 (Sat)	05:43	06:31 105		12:16 59S	18:01 255		18:49
2025 Feb 09 (Sun)	05:42	06:30 105		12:16 60S	18:02 255		18:50
2025 Feb 10 (Mon)	05:42	06:30 105		12:16 60S	18:02 255		18:50
2025 Feb 11 (Tue)	05:42	06:29 104		12:16 60S	18:03 256		18:50
2025 Feb 12 (Wed)	05:41	06:29 104		12:16 61S	18:03 256		18:51
2025 Feb 13 (Thu)	05:41	06:29 104		12:16 61S	18:03 256		18:51
2025 Feb 14 (Fri)	05:41	06:28 103		12:16 61S	18:04 257		18:51
2025 Feb 15 (Sat)	05:40	06:28 103		12:16 62S	18:04 257		18:52
2025 Feb 16 (Sun)	05:40	06:27 103		12:16 62S	18:05 258		18:52
2025 Feb 17 (Mon)	05:39	06:27 102		12:16 62S	18:05 258		18:52
2025 Feb 18 (Tue)	05:39	06:26 102		12:16 63S	18:05 258		18:53
2025 Feb 19 (Wed)	05:38	06:26 102		12:16 63S	18:06 259		18:53
2025 Feb 20 (Thu)	05:38	06:25 101		12:15 63S	18:06 259		18:53
2025 Feb 21 (Fri)	05:37	06:25 101		12:15 64S	18:06 259		18:54
2025 Feb 22 (Sat)	05:37	06:24 100		12:15 64S	18:07 260		18:54
2025 Feb 23 (Sun)	05:36	06:23 100		12:15 64S	18:07 260		18:54
2025 Feb 24 (Mon)	05:36	06:23 100		12:15 65S	18:07 261		18:54

2025	Feb	25	(Tue)	05:35	06:22	99	12:15	65S	18:08	261	18:55
2025	Feb	26	(Wed)	05:35	06:22	99	12:15	66S	18:08	261	18:55
2025	Feb	27	(Thu)	05:34	06:21	98	12:14	66S	18:08	262	18:55
2025	Feb	28	(Fri)	05:33	06:20	98	12:14	66S	18:08	262	18:55
2025	Mar	01	(Sat)	05:33	06:20	98	12:14	67S	18:09	263	18:56
2025	Mar	02	(Sun)	05:32	06:19	97	12:14	67S	18:09	263	18:56
2025	Mar	03	(Mon)	05:32	06:18	97	12:14	67S	18:09	263	18:56
2025	Mar	04	(Tue)	05:31	06:18	96	12:13	68S	18:09	264	18:56
2025	Mar	05	(Wed)	05:30	06:17	96	12:13	68S	18:10	264	18:56
2025	Mar	06	(Thu)	05:30	06:16	96	12:13	69S	18:10	265	18:57
2025	Mar	07	(Fri)	05:29	06:16	95	12:13	69S	18:10	265	18:57
2025	Mar	08	(Sat)	05:28	06:15	95	12:13	69S	18:10	265	18:57
2025	Mar	09	(Sun)	05:28	06:14	94	12:12	70S	18:11	266	18:57
2025	Mar	10	(Mon)	05:27	06:13	94	12:12	70S	18:11	266	18:57
2025	Mar	11	(Tue)	05:26	06:13	94	12:12	71S	18:11	267	18:58
2025	Mar	12	(Wed)	05:25	06:12	93	12:11	71S	18:11	267	18:58
2025	Mar	13	(Thu)	05:25	06:11	93	12:11	71S	18:11	267	18:58
2025	Mar	14	(Fri)	05:24	06:11	92	12:11	72S	18:12	268	18:58
2025	Mar	15	(Sat)	05:23	06:10	92	12:11	72S	18:12	268	18:58
2025	Mar	16	(Sun)	05:22	06:09	92	12:10	72S	18:12	269	18:59
2025	Mar	17	(Mon)	05:22	06:08	91	12:10	73S	18:12	269	18:59
2025	Mar	18	(Tue)	05:21	06:08	91	12:10	73S	18:12	269	18:59
2025	Mar	19	(Wed)	05:20	06:07	90	12:09	74S	18:12	270	18:59
2025	Mar	20	(Thu)	05:19	06:06	90	12:09	74S	18:13	270	18:59
2025	Mar	21	(Fri)	05:19	06:05	90	12:09	74S	18:13	271	18:59
2025	Mar	22	(Sat)	05:18	06:04	89	12:09	75S	18:13	271	19:00
2025	Mar	23	(Sun)	05:17	06:04	89	12:08	75S	18:13	272	19:00
2025	Mar	24	(Mon)	05:16	06:03	88	12:08	76S	18:13	272	19:00
2025	Mar	25	(Tue)	05:15	06:02	88	12:08	76S	18:13	272	19:00
2025	Mar	26	(Wed)	05:15	06:01	87	12:07	76S	18:14	273	19:00
2025	Mar	27	(Thu)	05:14	06:01	87	12:07	77S	18:14	273	19:01
2025	Mar	28	(Fri)	05:13	06:00	87	12:07	77S	18:14	274	19:01
2025	Mar	29	(Sat)	05:12	05:59	86	12:06	78S	18:14	274	19:01
2025	Mar	30	(Sun)	05:11	05:58	86	12:06	78S	18:14	274	19:01
2025	Mar	31	(Mon)	05:11	05:58	85	12:06	78S	18:14	275	19:01
2025	Apr	01	(Tue)	05:10	05:57	85	12:06	79S	18:15	275	19:02
2025	Apr	02	(Wed)	05:09	05:56	85	12:05	79S	18:15	276	19:02
2025	Apr	03	(Thu)	05:08	05:55	84	12:05	80S	18:15	276	19:02
2025	Apr	04	(Fri)	05:07	05:55	84	12:05	80S	18:15	276	19:02
2025	Apr	05	(Sat)	05:07	05:54	83	12:04	80S	18:15	277	19:02
2025	Apr	06	(Sun)	05:06	05:53	83	12:04	81S	18:16	277	19:03
2025	Apr	07	(Mon)	05:05	05:52	83	12:04	81S	18:16	278	19:03
2025	Apr	08	(Tue)	05:04	05:52	82	12:04	81S	18:16	278	19:03
2025	Apr	09	(Wed)	05:04	05:51	82	12:03	82S	18:16	278	19:03
2025	Apr	10	(Thu)	05:03	05:50	81	12:03	82S	18:16	279	19:04
2025	Apr	11	(Fri)	05:02	05:49	81	12:03	83S	18:16	279	19:04
2025	Apr	12	(Sat)	05:01	05:49	81	12:03	83S	18:17	280	19:04
2025	Apr	13	(Sun)	05:00	05:48	80	12:02	83S	18:17	280	19:04
2025	Apr	14	(Mon)	05:00	05:47	80	12:02	84S	18:17	280	19:05
2025	Apr	15	(Tue)	04:59	05:47	80	12:02	84S	18:17	281	19:05
2025	Apr	16	(Wed)	04:58	05:46	79	12:02	84S	18:17	281	19:05
2025	Apr	17	(Thu)	04:57	05:45	79	12:01	85S	18:18	281	19:05
2025	Apr	18	(Fri)	04:57	05:45	78	12:01	85S	18:18	282	19:06
2025	Apr	19	(Sat)	04:56	05:44	78	12:01	85S	18:18	282	19:06
2025	Apr	20	(Sun)	04:55	05:43	78	12:01	86S	18:18	282	19:06
2025	Apr	21	(Mon)	04:55	05:43	77	12:00	86S	18:18	283	19:07
2025	Apr	22	(Tue)	04:54	05:42	77	12:00	86S	18:19	283	19:07
2025	Apr	23	(Wed)	04:53	05:41	77	12:00	87S	18:19	284	19:07
2025	Apr	24	(Thu)	04:52	05:41	76	12:00	87S	18:19	284	19:08
2025	Apr	25	(Fri)	04:52	05:40	76	12:00	87S	18:19	284	19:08
2025	Apr	26	(Sat)	04:51	05:40	76	12:00	88S	18:20	285	19:08
2025	Apr	27	(Sun)	04:50	05:39	75	11:59	88S	18:20	285	19:09
2025	Apr	28	(Mon)	04:50	05:38	75	11:59	88S	18:20	285	19:09
2025	Apr	29	(Tue)	04:49	05:38	75	11:59	89S	18:20	286	19:09
2025	Apr	30	(Wed)	04:49	05:37	74	11:59	89S	18:21	286	19:10
2025	May	01	(Thu)	04:48	05:37	74	11:59	89S	18:21	286	19:10
2025	May	02	(Fri)	04:47	05:36	74	11:59	90S	18:21	286	19:10

2025 May 03 (Sat)	04:47	05:36	73	11:59	90S	18:22	287	19:11
2025 May 04 (Sun)	04:46	05:35	73	11:59	90S	18:22	287	19:11
2025 May 05 (Mon)	04:46	05:35	73	11:58	90S	18:22	287	19:12
2025 May 06 (Tue)	04:45	05:34	72	11:58	91N	18:22	288	19:12
2025 May 07 (Wed)	04:45	05:34	72	11:58	90N	18:23	288	19:12
2025 May 08 (Thu)	04:44	05:34	72	11:58	90N	18:23	288	19:13
2025 May 09 (Fri)	04:44	05:33	72	11:58	90N	18:23	289	19:13
2025 May 10 (Sat)	04:43	05:33	71	11:58	90N	18:24	289	19:14
2025 May 11 (Sun)	04:43	05:32	71	11:58	89N	18:24	289	19:14
2025 May 12 (Mon)	04:42	05:32	71	11:58	89N	18:24	289	19:14
2025 May 13 (Tue)	04:42	05:32	71	11:58	89N	18:25	290	19:15
2025 May 14 (Wed)	04:41	05:31	70	11:58	89N	18:25	290	19:15
2025 May 15 (Thu)	04:41	05:31	70	11:58	88N	18:25	290	19:16
2025 May 16 (Fri)	04:40	05:31	70	11:58	88N	18:26	290	19:16
2025 May 17 (Sat)	04:40	05:30	70	11:58	88N	18:26	291	19:16
2025 May 18 (Sun)	04:40	05:30	69	11:58	88N	18:26	291	19:17
2025 May 19 (Mon)	04:39	05:30	69	11:58	87N	18:27	291	19:17
2025 May 20 (Tue)	04:39	05:30	69	11:58	87N	18:27	291	19:18
2025 May 21 (Wed)	04:39	05:29	69	11:58	87N	18:27	291	19:18
2025 May 22 (Thu)	04:38	05:29	68	11:58	87N	18:28	292	19:19
2025 May 23 (Fri)	04:38	05:29	68	11:58	87N	18:28	292	19:19
2025 May 24 (Sat)	04:38	05:29	68	11:59	86N	18:28	292	19:19
2025 May 25 (Sun)	04:38	05:29	68	11:59	86N	18:29	292	19:20
2025 May 26 (Mon)	04:37	05:29	68	11:59	86N	18:29	292	19:20
2025 May 27 (Tue)	04:37	05:28	67	11:59	86N	18:29	293	19:21
2025 May 28 (Wed)	04:37	05:28	67	11:59	86N	18:30	293	19:21
2025 May 29 (Thu)	04:37	05:28	67	11:59	86N	18:30	293	19:22
2025 May 30 (Fri)	04:37	05:28	67	11:59	85N	18:30	293	19:22
2025 May 31 (Sat)	04:37	05:28	67	11:59	85N	18:31	293	19:22
2025 Jun 01 (Sun)	04:36	05:28	67	12:00	85N	18:31	293	19:23
2025 Jun 02 (Mon)	04:36	05:28	67	12:00	85N	18:32	294	19:23
2025 Jun 03 (Tue)	04:36	05:28	66	12:00	85N	18:32	294	19:24
2025 Jun 04 (Wed)	04:36	05:28	66	12:00	85N	18:32	294	19:24
2025 Jun 05 (Thu)	04:36	05:28	66	12:00	85N	18:33	294	19:24
2025 Jun 06 (Fri)	04:36	05:28	66	12:00	85N	18:33	294	19:25
2025 Jun 07 (Sat)	04:36	05:28	66	12:01	85N	18:33	294	19:25
2025 Jun 08 (Sun)	04:36	05:28	66	12:01	84N	18:34	294	19:26
2025 Jun 09 (Mon)	04:36	05:28	66	12:01	84N	18:34	294	19:26
2025 Jun 10 (Tue)	04:36	05:28	66	12:01	84N	18:34	294	19:26
2025 Jun 11 (Wed)	04:36	05:28	66	12:01	84N	18:34	294	19:27
2025 Jun 12 (Thu)	04:36	05:29	66	12:02	84N	18:35	295	19:27
2025 Jun 13 (Fri)	04:36	05:29	65	12:02	84N	18:35	295	19:27
2025 Jun 14 (Sat)	04:37	05:29	65	12:02	84N	18:35	295	19:28
2025 Jun 15 (Sun)	04:37	05:29	65	12:02	84N	18:36	295	19:28
2025 Jun 16 (Mon)	04:37	05:29	65	12:02	84N	18:36	295	19:28
2025 Jun 17 (Tue)	04:37	05:29	65	12:03	84N	18:36	295	19:28
2025 Jun 18 (Wed)	04:37	05:29	65	12:03	84N	18:36	295	19:29
2025 Jun 19 (Thu)	04:37	05:30	65	12:03	84N	18:37	295	19:29
2025 Jun 20 (Fri)	04:38	05:30	65	12:03	84N	18:37	295	19:29
2025 Jun 21 (Sat)	04:38	05:30	65	12:04	84N	18:37	295	19:29
2025 Jun 22 (Sun)	04:38	05:30	65	12:04	84N	18:37	295	19:30
2025 Jun 23 (Mon)	04:38	05:30	65	12:04	84N	18:37	295	19:30
2025 Jun 24 (Tue)	04:38	05:31	65	12:04	84N	18:38	295	19:30
2025 Jun 25 (Wed)	04:39	05:31	65	12:04	84N	18:38	295	19:30
2025 Jun 26 (Thu)	04:39	05:31	65	12:05	84N	18:38	295	19:30
2025 Jun 27 (Fri)	04:39	05:32	65	12:05	84N	18:38	295	19:30
2025 Jun 28 (Sat)	04:40	05:32	65	12:05	84N	18:38	295	19:30
2025 Jun 29 (Sun)	04:40	05:32	65	12:05	84N	18:38	295	19:31
2025 Jun 30 (Mon)	04:40	05:32	65	12:05	84N	18:39	294	19:31
2025 Jul 01 (Tue)	04:41	05:33	66	12:06	84N	18:39	294	19:31
2025 Jul 02 (Wed)	04:41	05:33	66	12:06	84N	18:39	294	19:31
2025 Jul 03 (Thu)	04:41	05:33	66	12:06	84N	18:39	294	19:31
2025 Jul 04 (Fri)	04:42	05:34	66	12:06	84N	18:39	294	19:31
2025 Jul 05 (Sat)	04:42	05:34	66	12:06	85N	18:39	294	19:31
2025 Jul 06 (Sun)	04:42	05:34	66	12:07	85N	18:39	294	19:31
2025 Jul 07 (Mon)	04:43	05:34	66	12:07	85N	18:39	294	19:31
2025 Jul 08 (Tue)	04:43	05:35	66	12:07	85N	18:39	294	19:31

2025	Jul	09	(Wed)	04:43	05:35	66	12:07	85N	18:39	294	19:31
2025	Jul	10	(Thu)	04:44	05:35	66	12:07	85N	18:39	293	19:30
2025	Jul	11	(Fri)	04:44	05:36	67	12:07	85N	18:39	293	19:30
2025	Jul	12	(Sat)	04:44	05:36	67	12:07	85N	18:39	293	19:30
2025	Jul	13	(Sun)	04:45	05:36	67	12:08	85N	18:39	293	19:30
2025	Jul	14	(Mon)	04:45	05:37	67	12:08	86N	18:38	293	19:30
2025	Jul	15	(Tue)	04:46	05:37	67	12:08	86N	18:38	293	19:30
2025	Jul	16	(Wed)	04:46	05:37	67	12:08	86N	18:38	293	19:29
2025	Jul	17	(Thu)	04:46	05:38	68	12:08	86N	18:38	292	19:29
2025	Jul	18	(Fri)	04:47	05:38	68	12:08	86N	18:38	292	19:29
2025	Jul	19	(Sat)	04:47	05:38	68	12:08	86N	18:38	292	19:29
2025	Jul	20	(Sun)	04:48	05:39	68	12:08	87N	18:38	292	19:28
2025	Jul	21	(Mon)	04:48	05:39	68	12:08	87N	18:37	292	19:28
2025	Jul	22	(Tue)	04:48	05:39	69	12:08	87N	18:37	291	19:28
2025	Jul	23	(Wed)	04:49	05:40	69	12:08	87N	18:37	291	19:27
2025	Jul	24	(Thu)	04:49	05:40	69	12:08	87N	18:37	291	19:27
2025	Jul	25	(Fri)	04:50	05:40	69	12:08	88N	18:36	291	19:27
2025	Jul	26	(Sat)	04:50	05:41	69	12:08	88N	18:36	290	19:26
2025	Jul	27	(Sun)	04:50	05:41	70	12:08	88N	18:36	290	19:26
2025	Jul	28	(Mon)	04:51	05:41	70	12:08	88N	18:35	290	19:26
2025	Jul	29	(Tue)	04:51	05:41	70	12:08	89N	18:35	290	19:25
2025	Jul	30	(Wed)	04:52	05:42	70	12:08	89N	18:35	289	19:25
2025	Jul	31	(Thu)	04:52	05:42	71	12:08	89N	18:34	289	19:24
2025	Aug	01	(Fri)	04:52	05:42	71	12:08	89N	18:34	289	19:24
2025	Aug	02	(Sat)	04:53	05:43	71	12:08	90N	18:33	289	19:23
2025	Aug	03	(Sun)	04:53	05:43	71	12:08	90N	18:33	288	19:23
2025	Aug	04	(Mon)	04:53	05:43	72	12:08	90N	18:32	288	19:22
2025	Aug	05	(Tue)	04:54	05:43	72	12:08	90N	18:32	288	19:22
2025	Aug	06	(Wed)	04:54	05:44	72	12:08	91N	18:32	288	19:21
2025	Aug	07	(Thu)	04:54	05:44	73	12:08	90S	18:31	287	19:20
2025	Aug	08	(Fri)	04:55	05:44	73	12:07	90S	18:31	287	19:20
2025	Aug	09	(Sat)	04:55	05:44	73	12:07	90S	18:30	287	19:19
2025	Aug	10	(Sun)	04:55	05:45	73	12:07	90S	18:30	286	19:19
2025	Aug	11	(Mon)	04:56	05:45	74	12:07	89S	18:29	286	19:18
2025	Aug	12	(Tue)	04:56	05:45	74	12:07	89S	18:28	286	19:17
2025	Aug	13	(Wed)	04:56	05:45	74	12:07	89S	18:28	285	19:17
2025	Aug	14	(Thu)	04:57	05:45	75	12:06	88S	18:27	285	19:16
2025	Aug	15	(Fri)	04:57	05:46	75	12:06	88S	18:27	285	19:15
2025	Aug	16	(Sat)	04:57	05:46	75	12:06	88S	18:26	284	19:15
2025	Aug	17	(Sun)	04:58	05:46	76	12:06	87S	18:25	284	19:14
2025	Aug	18	(Mon)	04:58	05:46	76	12:06	87S	18:25	284	19:13
2025	Aug	19	(Tue)	04:58	05:46	76	12:05	87S	18:24	283	19:12
2025	Aug	20	(Wed)	04:58	05:47	77	12:05	86S	18:23	283	19:12
2025	Aug	21	(Thu)	04:59	05:47	77	12:05	86S	18:23	283	19:11
2025	Aug	22	(Fri)	04:59	05:47	77	12:05	86S	18:22	282	19:10
2025	Aug	23	(Sat)	04:59	05:47	78	12:04	85S	18:21	282	19:09
2025	Aug	24	(Sun)	04:59	05:47	78	12:04	85S	18:21	282	19:09
2025	Aug	25	(Mon)	05:00	05:47	79	12:04	85S	18:20	281	19:08
2025	Aug	26	(Tue)	05:00	05:48	79	12:04	84S	18:19	281	19:07
2025	Aug	27	(Wed)	05:00	05:48	79	12:03	84S	18:19	281	19:06
2025	Aug	28	(Thu)	05:00	05:48	80	12:03	84S	18:18	280	19:06
2025	Aug	29	(Fri)	05:00	05:48	80	12:03	83S	18:17	280	19:05
2025	Aug	30	(Sat)	05:01	05:48	80	12:02	83S	18:16	279	19:04
2025	Aug	31	(Sun)	05:01	05:48	81	12:02	83S	18:16	279	19:03
2025	Sep	01	(Mon)	05:01	05:48	81	12:02	82S	18:15	279	19:02
2025	Sep	02	(Tue)	05:01	05:49	81	12:01	82S	18:14	278	19:01
2025	Sep	03	(Wed)	05:01	05:49	82	12:01	82S	18:13	278	19:01
2025	Sep	04	(Thu)	05:02	05:49	82	12:01	81S	18:13	278	19:00
2025	Sep	05	(Fri)	05:02	05:49	83	12:00	81S	18:12	277	18:59
2025	Sep	06	(Sat)	05:02	05:49	83	12:00	80S	18:11	277	18:58
2025	Sep	07	(Sun)	05:02	05:49	83	12:00	80S	18:10	276	18:57
2025	Sep	08	(Mon)	05:02	05:49	84	11:59	80S	18:09	276	18:56
2025	Sep	09	(Tue)	05:02	05:49	84	11:59	79S	18:09	276	18:56
2025	Sep	10	(Wed)	05:02	05:49	85	11:59	79S	18:08	275	18:55
2025	Sep	11	(Thu)	05:03	05:50	85	11:58	79S	18:07	275	18:54
2025	Sep	12	(Fri)	05:03	05:50	85	11:58	78S	18:06	274	18:53
2025	Sep	13	(Sat)	05:03	05:50	86	11:58	78S	18:05	274	18:52

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

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

Sun

Mukdahan

Location: E104°33'53.9", N16°34'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Civil Twilight				
	h m	h m °		h m °	h m °		h m				
2025	Jan	01	(Wed)	06:07	06:30	114	12:05	51S	17:40	246	18:04
2025	Jan	02	(Thu)	06:07	06:31	114	12:06	51S	17:41	246	18:04
2025	Jan	03	(Fri)	06:08	06:31	114	12:06	51S	17:41	246	18:05
2025	Jan	04	(Sat)	06:08	06:31	113	12:07	51S	17:42	247	18:05
2025	Jan	05	(Sun)	06:08	06:32	113	12:07	52S	17:43	247	18:06
2025	Jan	06	(Mon)	06:09	06:32	113	12:08	52S	17:43	247	18:07
2025	Jan	07	(Tue)	06:09	06:32	113	12:08	52S	17:44	247	18:07
2025	Jan	08	(Wed)	06:09	06:33	113	12:08	52S	17:44	247	18:08
2025	Jan	09	(Thu)	06:09	06:33	113	12:09	52S	17:45	247	18:08
2025	Jan	10	(Fri)	06:10	06:33	113	12:09	52S	17:46	247	18:09
2025	Jan	11	(Sat)	06:10	06:33	113	12:10	52S	17:46	248	18:09
2025	Jan	12	(Sun)	06:10	06:33	112	12:10	53S	17:47	248	18:10

2025	Jan	13	(Mon)	06:10	06:33	112	12:10	53S	17:47	248	18:11
2025	Jan	14	(Tue)	06:10	06:34	112	12:11	53S	17:48	248	18:11
2025	Jan	15	(Wed)	06:11	06:34	112	12:11	53S	17:49	248	18:12
2025	Jan	16	(Thu)	06:11	06:34	112	12:11	53S	17:49	248	18:12
2025	Jan	17	(Fri)	06:11	06:34	111	12:12	53S	17:50	249	18:13
2025	Jan	18	(Sat)	06:11	06:34	111	12:12	54S	17:50	249	18:13
2025	Jan	19	(Sun)	06:11	06:34	111	12:12	54S	17:51	249	18:14
2025	Jan	20	(Mon)	06:11	06:34	111	12:13	54S	17:52	249	18:15
2025	Jan	21	(Tue)	06:11	06:34	111	12:13	54S	17:52	250	18:15
2025	Jan	22	(Wed)	06:11	06:34	110	12:13	55S	17:53	250	18:16
2025	Jan	23	(Thu)	06:11	06:34	110	12:14	55S	17:53	250	18:16
2025	Jan	24	(Fri)	06:11	06:34	110	12:14	55S	17:54	250	18:17
2025	Jan	25	(Sat)	06:11	06:34	110	12:14	55S	17:54	251	18:17
2025	Jan	26	(Sun)	06:11	06:34	109	12:14	55S	17:55	251	18:18
2025	Jan	27	(Mon)	06:11	06:34	109	12:14	56S	17:56	251	18:18
2025	Jan	28	(Tue)	06:11	06:33	109	12:15	56S	17:56	251	18:19
2025	Jan	29	(Wed)	06:11	06:33	108	12:15	56S	17:57	252	18:19
2025	Jan	30	(Thu)	06:10	06:33	108	12:15	57S	17:57	252	18:20
2025	Jan	31	(Fri)	06:10	06:33	108	12:15	57S	17:58	252	18:20
2025	Feb	01	(Sat)	06:10	06:33	108	12:15	57S	17:58	253	18:21
2025	Feb	02	(Sun)	06:10	06:32	107	12:15	57S	17:59	253	18:21
2025	Feb	03	(Mon)	06:10	06:32	107	12:16	58S	17:59	253	18:22
2025	Feb	04	(Tue)	06:09	06:32	107	12:16	58S	18:00	253	18:22
2025	Feb	05	(Wed)	06:09	06:32	106	12:16	58S	18:00	254	18:22
2025	Feb	06	(Thu)	06:09	06:31	106	12:16	59S	18:01	254	18:23
2025	Feb	07	(Fri)	06:09	06:31	106	12:16	59S	18:01	254	18:23
2025	Feb	08	(Sat)	06:08	06:31	105	12:16	59S	18:01	255	18:24
2025	Feb	09	(Sun)	06:08	06:30	105	12:16	60S	18:02	255	18:24
2025	Feb	10	(Mon)	06:08	06:30	105	12:16	60S	18:02	255	18:24
2025	Feb	11	(Tue)	06:07	06:29	104	12:16	60S	18:03	256	18:25
2025	Feb	12	(Wed)	06:07	06:29	104	12:16	61S	18:03	256	18:25
2025	Feb	13	(Thu)	06:06	06:29	104	12:16	61S	18:03	256	18:26
2025	Feb	14	(Fri)	06:06	06:28	103	12:16	61S	18:04	257	18:26
2025	Feb	15	(Sat)	06:06	06:28	103	12:16	62S	18:04	257	18:26
2025	Feb	16	(Sun)	06:05	06:27	103	12:16	62S	18:05	258	18:27
2025	Feb	17	(Mon)	06:05	06:27	102	12:16	62S	18:05	258	18:27
2025	Feb	18	(Tue)	06:04	06:26	102	12:16	63S	18:05	258	18:27
2025	Feb	19	(Wed)	06:04	06:26	102	12:16	63S	18:06	259	18:28
2025	Feb	20	(Thu)	06:03	06:25	101	12:15	63S	18:06	259	18:28
2025	Feb	21	(Fri)	06:03	06:25	101	12:15	64S	18:06	259	18:28
2025	Feb	22	(Sat)	06:02	06:24	100	12:15	64S	18:07	260	18:28
2025	Feb	23	(Sun)	06:02	06:23	100	12:15	64S	18:07	260	18:29
2025	Feb	24	(Mon)	06:01	06:23	100	12:15	65S	18:07	261	18:29
2025	Feb	25	(Tue)	06:00	06:22	99	12:15	65S	18:08	261	18:29
2025	Feb	26	(Wed)	06:00	06:22	99	12:15	66S	18:08	261	18:30
2025	Feb	27	(Thu)	05:59	06:21	98	12:14	66S	18:08	262	18:30
2025	Feb	28	(Fri)	05:59	06:20	98	12:14	66S	18:08	262	18:30
2025	Mar	01	(Sat)	05:58	06:20	98	12:14	67S	18:09	263	18:30
2025	Mar	02	(Sun)	05:57	06:19	97	12:14	67S	18:09	263	18:31
2025	Mar	03	(Mon)	05:57	06:18	97	12:14	67S	18:09	263	18:31
2025	Mar	04	(Tue)	05:56	06:18	96	12:13	68S	18:09	264	18:31
2025	Mar	05	(Wed)	05:55	06:17	96	12:13	68S	18:10	264	18:31
2025	Mar	06	(Thu)	05:55	06:16	96	12:13	69S	18:10	265	18:32
2025	Mar	07	(Fri)	05:54	06:16	95	12:13	69S	18:10	265	18:32
2025	Mar	08	(Sat)	05:53	06:15	95	12:13	69S	18:10	265	18:32
2025	Mar	09	(Sun)	05:53	06:14	94	12:12	70S	18:11	266	18:32
2025	Mar	10	(Mon)	05:52	06:13	94	12:12	70S	18:11	266	18:32
2025	Mar	11	(Tue)	05:51	06:13	94	12:12	71S	18:11	267	18:33
2025	Mar	12	(Wed)	05:50	06:12	93	12:11	71S	18:11	267	18:33
2025	Mar	13	(Thu)	05:50	06:11	93	12:11	71S	18:11	267	18:33
2025	Mar	14	(Fri)	05:49	06:11	92	12:11	72S	18:12	268	18:33
2025	Mar	15	(Sat)	05:48	06:10	92	12:11	72S	18:12	268	18:33
2025	Mar	16	(Sun)	05:47	06:09	92	12:10	72S	18:12	269	18:33
2025	Mar	17	(Mon)	05:47	06:08	91	12:10	73S	18:12	269	18:34
2025	Mar	18	(Tue)	05:46	06:08	91	12:10	73S	18:12	269	18:34
2025	Mar	19	(Wed)	05:45	06:07	90	12:09	74S	18:12	270	18:34
2025	Mar	20	(Thu)	05:44	06:06	90	12:09	74S	18:13	270	18:34

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

2025	May	27	(Tue)	05:05	05:28	67	11:59	86N	18:29	293	18:53
2025	May	28	(Wed)	05:05	05:28	67	11:59	86N	18:30	293	18:53
2025	May	29	(Thu)	05:05	05:28	67	11:59	86N	18:30	293	18:54
2025	May	30	(Fri)	05:05	05:28	67	11:59	85N	18:30	293	18:54
2025	May	31	(Sat)	05:05	05:28	67	11:59	85N	18:31	293	18:55
2025	Jun	01	(Sun)	05:04	05:28	67	12:00	85N	18:31	293	18:55
2025	Jun	02	(Mon)	05:04	05:28	67	12:00	85N	18:32	294	18:55
2025	Jun	03	(Tue)	05:04	05:28	66	12:00	85N	18:32	294	18:56
2025	Jun	04	(Wed)	05:04	05:28	66	12:00	85N	18:32	294	18:56
2025	Jun	05	(Thu)	05:04	05:28	66	12:00	85N	18:33	294	18:56
2025	Jun	06	(Fri)	05:04	05:28	66	12:00	85N	18:33	294	18:57
2025	Jun	07	(Sat)	05:04	05:28	66	12:01	85N	18:33	294	18:57
2025	Jun	08	(Sun)	05:04	05:28	66	12:01	84N	18:34	294	18:57
2025	Jun	09	(Mon)	05:04	05:28	66	12:01	84N	18:34	294	18:58
2025	Jun	10	(Tue)	05:04	05:28	66	12:01	84N	18:34	294	18:58
2025	Jun	11	(Wed)	05:05	05:28	66	12:01	84N	18:34	294	18:58
2025	Jun	12	(Thu)	05:05	05:29	66	12:02	84N	18:35	295	18:59
2025	Jun	13	(Fri)	05:05	05:29	65	12:02	84N	18:35	295	18:59
2025	Jun	14	(Sat)	05:05	05:29	65	12:02	84N	18:35	295	18:59
2025	Jun	15	(Sun)	05:05	05:29	65	12:02	84N	18:36	295	19:00
2025	Jun	16	(Mon)	05:05	05:29	65	12:02	84N	18:36	295	19:00
2025	Jun	17	(Tue)	05:05	05:29	65	12:03	84N	18:36	295	19:00
2025	Jun	18	(Wed)	05:05	05:29	65	12:03	84N	18:36	295	19:00
2025	Jun	19	(Thu)	05:06	05:30	65	12:03	84N	18:37	295	19:01
2025	Jun	20	(Fri)	05:06	05:30	65	12:03	84N	18:37	295	19:01
2025	Jun	21	(Sat)	05:06	05:30	65	12:04	84N	18:37	295	19:01
2025	Jun	22	(Sun)	05:06	05:30	65	12:04	84N	18:37	295	19:01
2025	Jun	23	(Mon)	05:07	05:30	65	12:04	84N	18:37	295	19:01
2025	Jun	24	(Tue)	05:07	05:31	65	12:04	84N	18:38	295	19:02
2025	Jun	25	(Wed)	05:07	05:31	65	12:04	84N	18:38	295	19:02
2025	Jun	26	(Thu)	05:07	05:31	65	12:05	84N	18:38	295	19:02
2025	Jun	27	(Fri)	05:08	05:32	65	12:05	84N	18:38	295	19:02
2025	Jun	28	(Sat)	05:08	05:32	65	12:05	84N	18:38	295	19:02
2025	Jun	29	(Sun)	05:08	05:32	65	12:05	84N	18:38	295	19:02
2025	Jun	30	(Mon)	05:08	05:32	65	12:05	84N	18:39	294	19:02
2025	Jul	01	(Tue)	05:09	05:33	66	12:06	84N	18:39	294	19:02
2025	Jul	02	(Wed)	05:09	05:33	66	12:06	84N	18:39	294	19:03
2025	Jul	03	(Thu)	05:09	05:33	66	12:06	84N	18:39	294	19:03
2025	Jul	04	(Fri)	05:10	05:34	66	12:06	84N	18:39	294	19:03
2025	Jul	05	(Sat)	05:10	05:34	66	12:06	85N	18:39	294	19:03
2025	Jul	06	(Sun)	05:10	05:34	66	12:07	85N	18:39	294	19:03
2025	Jul	07	(Mon)	05:11	05:34	66	12:07	85N	18:39	294	19:03
2025	Jul	08	(Tue)	05:11	05:35	66	12:07	85N	18:39	294	19:03
2025	Jul	09	(Wed)	05:11	05:35	66	12:07	85N	18:39	294	19:03
2025	Jul	10	(Thu)	05:12	05:35	66	12:07	85N	18:39	293	19:02
2025	Jul	11	(Fri)	05:12	05:36	67	12:07	85N	18:39	293	19:02
2025	Jul	12	(Sat)	05:12	05:36	67	12:07	85N	18:39	293	19:02
2025	Jul	13	(Sun)	05:13	05:36	67	12:08	85N	18:39	293	19:02
2025	Jul	14	(Mon)	05:13	05:37	67	12:08	86N	18:38	293	19:02
2025	Jul	15	(Tue)	05:13	05:37	67	12:08	86N	18:38	293	19:02
2025	Jul	16	(Wed)	05:14	05:37	67	12:08	86N	18:38	293	19:02
2025	Jul	17	(Thu)	05:14	05:38	68	12:08	86N	18:38	292	19:02
2025	Jul	18	(Fri)	05:15	05:38	68	12:08	86N	18:38	292	19:01
2025	Jul	19	(Sat)	05:15	05:38	68	12:08	86N	18:38	292	19:01
2025	Jul	20	(Sun)	05:15	05:39	68	12:08	87N	18:38	292	19:01
2025	Jul	21	(Mon)	05:16	05:39	68	12:08	87N	18:37	292	19:01
2025	Jul	22	(Tue)	05:16	05:39	69	12:08	87N	18:37	291	19:00
2025	Jul	23	(Wed)	05:16	05:40	69	12:08	87N	18:37	291	19:00
2025	Jul	24	(Thu)	05:17	05:40	69	12:08	87N	18:37	291	19:00
2025	Jul	25	(Fri)	05:17	05:40	69	12:08	88N	18:36	291	18:59
2025	Jul	26	(Sat)	05:17	05:41	69	12:08	88N	18:36	290	18:59
2025	Jul	27	(Sun)	05:18	05:41	70	12:08	88N	18:36	290	18:59
2025	Jul	28	(Mon)	05:18	05:41	70	12:08	88N	18:35	290	18:58
2025	Jul	29	(Tue)	05:18	05:41	70	12:08	89N	18:35	290	18:58
2025	Jul	30	(Wed)	05:19	05:42	70	12:08	89N	18:35	289	18:58
2025	Jul	31	(Thu)	05:19	05:42	71	12:08	89N	18:34	289	18:57
2025	Aug	01	(Fri)	05:19	05:42	71	12:08	89N	18:34	289	18:57

2025 Aug 02 (Sat)	05:20	05:43	71	12:08 90N	18:33 289	18:56
2025 Aug 03 (Sun)	05:20	05:43	71	12:08 90N	18:33 288	18:56
2025 Aug 04 (Mon)	05:20	05:43	72	12:08 90N	18:32 288	18:55
2025 Aug 05 (Tue)	05:21	05:43	72	12:08 90N	18:32 288	18:55
2025 Aug 06 (Wed)	05:21	05:44	72	12:08 91N	18:32 288	18:54
2025 Aug 07 (Thu)	05:21	05:44	73	12:08 90S	18:31 287	18:54
2025 Aug 08 (Fri)	05:21	05:44	73	12:07 90S	18:31 287	18:53
2025 Aug 09 (Sat)	05:22	05:44	73	12:07 90S	18:30 287	18:53
2025 Aug 10 (Sun)	05:22	05:45	73	12:07 90S	18:30 286	18:52
2025 Aug 11 (Mon)	05:22	05:45	74	12:07 89S	18:29 286	18:52
2025 Aug 12 (Tue)	05:22	05:45	74	12:07 89S	18:28 286	18:51
2025 Aug 13 (Wed)	05:23	05:45	74	12:07 89S	18:28 285	18:50
2025 Aug 14 (Thu)	05:23	05:45	75	12:06 88S	18:27 285	18:50
2025 Aug 15 (Fri)	05:23	05:46	75	12:06 88S	18:27 285	18:49
2025 Aug 16 (Sat)	05:23	05:46	75	12:06 88S	18:26 284	18:48
2025 Aug 17 (Sun)	05:24	05:46	76	12:06 87S	18:25 284	18:48
2025 Aug 18 (Mon)	05:24	05:46	76	12:06 87S	18:25 284	18:47
2025 Aug 19 (Tue)	05:24	05:46	76	12:05 87S	18:24 283	18:46
2025 Aug 20 (Wed)	05:24	05:47	77	12:05 86S	18:23 283	18:46
2025 Aug 21 (Thu)	05:25	05:47	77	12:05 86S	18:23 283	18:45
2025 Aug 22 (Fri)	05:25	05:47	77	12:05 86S	18:22 282	18:44
2025 Aug 23 (Sat)	05:25	05:47	78	12:04 85S	18:21 282	18:44
2025 Aug 24 (Sun)	05:25	05:47	78	12:04 85S	18:21 282	18:43
2025 Aug 25 (Mon)	05:25	05:47	79	12:04 85S	18:20 281	18:42
2025 Aug 26 (Tue)	05:26	05:48	79	12:04 84S	18:19 281	18:41
2025 Aug 27 (Wed)	05:26	05:48	79	12:03 84S	18:19 281	18:41
2025 Aug 28 (Thu)	05:26	05:48	80	12:03 84S	18:18 280	18:40
2025 Aug 29 (Fri)	05:26	05:48	80	12:03 83S	18:17 280	18:39
2025 Aug 30 (Sat)	05:26	05:48	80	12:02 83S	18:16 279	18:38
2025 Aug 31 (Sun)	05:26	05:48	81	12:02 83S	18:16 279	18:38
2025 Sep 01 (Mon)	05:27	05:48	81	12:02 82S	18:15 279	18:37
2025 Sep 02 (Tue)	05:27	05:49	81	12:01 82S	18:14 278	18:36
2025 Sep 03 (Wed)	05:27	05:49	82	12:01 82S	18:13 278	18:35
2025 Sep 04 (Thu)	05:27	05:49	82	12:01 81S	18:13 278	18:34
2025 Sep 05 (Fri)	05:27	05:49	83	12:00 81S	18:12 277	18:34
2025 Sep 06 (Sat)	05:27	05:49	83	12:00 80S	18:11 277	18:33
2025 Sep 07 (Sun)	05:27	05:49	83	12:00 80S	18:10 276	18:32
2025 Sep 08 (Mon)	05:28	05:49	84	11:59 80S	18:09 276	18:31
2025 Sep 09 (Tue)	05:28	05:49	84	11:59 79S	18:09 276	18:30
2025 Sep 10 (Wed)	05:28	05:49	85	11:59 79S	18:08 275	18:29
2025 Sep 11 (Thu)	05:28	05:50	85	11:58 79S	18:07 275	18:29
2025 Sep 12 (Fri)	05:28	05:50	85	11:58 78S	18:06 274	18:28
2025 Sep 13 (Sat)	05:28	05:50	86	11:58 78S	18:05 274	18:27
2025 Sep 14 (Sun)	05:28	05:50	86	11:57 77S	18:05 274	18:26
2025 Sep 15 (Mon)	05:28	05:50	87	11:57 77S	18:04 273	18:25
2025 Sep 16 (Tue)	05:28	05:50	87	11:57 77S	18:03 273	18:25
2025 Sep 17 (Wed)	05:29	05:50	87	11:56 76S	18:02 272	18:24
2025 Sep 18 (Thu)	05:29	05:50	88	11:56 76S	18:01 272	18:23
2025 Sep 19 (Fri)	05:29	05:50	88	11:56 76S	18:00 272	18:22
2025 Sep 20 (Sat)	05:29	05:51	89	11:55 75S	18:00 271	18:21
2025 Sep 21 (Sun)	05:29	05:51	89	11:55 75S	17:59 271	18:20
2025 Sep 22 (Mon)	05:29	05:51	89	11:54 74S	17:58 270	18:20
2025 Sep 23 (Tue)	05:29	05:51	90	11:54 74S	17:57 270	18:19
2025 Sep 24 (Wed)	05:29	05:51	90	11:54 74S	17:56 270	18:18
2025 Sep 25 (Thu)	05:30	05:51	91	11:53 73S	17:56 269	18:17
2025 Sep 26 (Fri)	05:30	05:51	91	11:53 73S	17:55 269	18:16
2025 Sep 27 (Sat)	05:30	05:51	91	11:53 72S	17:54 268	18:16
2025 Sep 28 (Sun)	05:30	05:51	92	11:52 72S	17:53 268	18:15
2025 Sep 29 (Mon)	05:30	05:52	92	11:52 72S	17:52 268	18:14
2025 Sep 30 (Tue)	05:30	05:52	93	11:52 71S	17:52 267	18:13
2025 Oct 01 (Wed)	05:30	05:52	93	11:51 71S	17:51 267	18:12
2025 Oct 02 (Thu)	05:30	05:52	93	11:51 70S	17:50 266	18:12
2025 Oct 03 (Fri)	05:31	05:52	94	11:51 70S	17:49 266	18:11
2025 Oct 04 (Sat)	05:31	05:52	94	11:50 70S	17:48 266	18:10
2025 Oct 05 (Sun)	05:31	05:52	95	11:50 69S	17:48 265	18:09
2025 Oct 06 (Mon)	05:31	05:53	95	11:50 69S	17:47 265	18:09
2025 Oct 07 (Tue)	05:31	05:53	95	11:50 69S	17:46 264	18:08

2025	Oct	08	(Wed)	05:31	05:53	96	11:49	68S	17:45	264	18:07
2025	Oct	09	(Thu)	05:31	05:53	96	11:49	68S	17:45	264	18:06
2025	Oct	10	(Fri)	05:32	05:53	97	11:49	67S	17:44	263	18:06
2025	Oct	11	(Sat)	05:32	05:53	97	11:48	67S	17:43	263	18:05
2025	Oct	12	(Sun)	05:32	05:54	97	11:48	67S	17:43	262	18:04
2025	Oct	13	(Mon)	05:32	05:54	98	11:48	66S	17:42	262	18:04
2025	Oct	14	(Tue)	05:32	05:54	98	11:48	66S	17:41	262	18:03
2025	Oct	15	(Wed)	05:33	05:54	99	11:48	66S	17:41	261	18:02
2025	Oct	16	(Thu)	05:33	05:55	99	11:47	65S	17:40	261	18:02
2025	Oct	17	(Fri)	05:33	05:55	99	11:47	65S	17:39	260	18:01
2025	Oct	18	(Sat)	05:33	05:55	100	11:47	64S	17:39	260	18:00
2025	Oct	19	(Sun)	05:33	05:55	100	11:47	64S	17:38	260	18:00
2025	Oct	20	(Mon)	05:34	05:56	101	11:47	64S	17:37	259	17:59
2025	Oct	21	(Tue)	05:34	05:56	101	11:46	63S	17:37	259	17:59
2025	Oct	22	(Wed)	05:34	05:56	101	11:46	63S	17:36	259	17:58
2025	Oct	23	(Thu)	05:34	05:56	102	11:46	63S	17:36	258	17:58
2025	Oct	24	(Fri)	05:35	05:57	102	11:46	62S	17:35	258	17:57
2025	Oct	25	(Sat)	05:35	05:57	102	11:46	62S	17:35	257	17:57
2025	Oct	26	(Sun)	05:35	05:57	103	11:46	62S	17:34	257	17:56
2025	Oct	27	(Mon)	05:36	05:58	103	11:46	61S	17:33	257	17:56
2025	Oct	28	(Tue)	05:36	05:58	103	11:46	61S	17:33	256	17:55
2025	Oct	29	(Wed)	05:36	05:58	104	11:45	61S	17:33	256	17:55
2025	Oct	30	(Thu)	05:36	05:59	104	11:45	60S	17:32	256	17:54
2025	Oct	31	(Fri)	05:37	05:59	104	11:45	60S	17:32	255	17:54
2025	Nov	01	(Sat)	05:37	05:59	105	11:45	60S	17:31	255	17:53
2025	Nov	02	(Sun)	05:37	06:00	105	11:45	59S	17:31	255	17:53
2025	Nov	03	(Mon)	05:38	06:00	105	11:45	59S	17:30	254	17:53
2025	Nov	04	(Tue)	05:38	06:00	106	11:45	59S	17:30	254	17:52
2025	Nov	05	(Wed)	05:39	06:01	106	11:45	58S	17:30	254	17:52
2025	Nov	06	(Thu)	05:39	06:01	106	11:45	58S	17:29	253	17:52
2025	Nov	07	(Fri)	05:39	06:02	107	11:45	58S	17:29	253	17:51
2025	Nov	08	(Sat)	05:40	06:02	107	11:45	57S	17:29	253	17:51
2025	Nov	09	(Sun)	05:40	06:03	107	11:46	57S	17:28	253	17:51
2025	Nov	10	(Mon)	05:41	06:03	108	11:46	57S	17:28	252	17:51
2025	Nov	11	(Tue)	05:41	06:03	108	11:46	57S	17:28	252	17:50
2025	Nov	12	(Wed)	05:41	06:04	108	11:46	56S	17:28	252	17:50
2025	Nov	13	(Thu)	05:42	06:04	109	11:46	56S	17:27	251	17:50
2025	Nov	14	(Fri)	05:42	06:05	109	11:46	56S	17:27	251	17:50
2025	Nov	15	(Sat)	05:43	06:05	109	11:46	56S	17:27	251	17:50
2025	Nov	16	(Sun)	05:43	06:06	109	11:46	55S	17:27	251	17:50
2025	Nov	17	(Mon)	05:44	06:06	110	11:47	55S	17:27	250	17:50
2025	Nov	18	(Tue)	05:44	06:07	110	11:47	55S	17:27	250	17:49
2025	Nov	19	(Wed)	05:45	06:07	110	11:47	55S	17:27	250	17:49
2025	Nov	20	(Thu)	05:45	06:08	110	11:47	54S	17:27	250	17:49
2025	Nov	21	(Fri)	05:46	06:09	111	11:48	54S	17:26	249	17:49
2025	Nov	22	(Sat)	05:46	06:09	111	11:48	54S	17:26	249	17:49
2025	Nov	23	(Sun)	05:47	06:10	111	11:48	54S	17:26	249	17:49
2025	Nov	24	(Mon)	05:47	06:10	111	11:48	54S	17:26	249	17:49
2025	Nov	25	(Tue)	05:48	06:11	111	11:49	53S	17:27	248	17:50
2025	Nov	26	(Wed)	05:48	06:11	112	11:49	53S	17:27	248	17:50
2025	Nov	27	(Thu)	05:49	06:12	112	11:49	53S	17:27	248	17:50
2025	Nov	28	(Fri)	05:49	06:12	112	11:50	53S	17:27	248	17:50
2025	Nov	29	(Sat)	05:50	06:13	112	11:50	53S	17:27	248	17:50
2025	Nov	30	(Sun)	05:50	06:14	112	11:50	52S	17:27	248	17:50
2025	Dec	01	(Mon)	05:51	06:14	113	11:51	52S	17:27	247	17:50
2025	Dec	02	(Tue)	05:52	06:15	113	11:51	52S	17:27	247	17:51
2025	Dec	03	(Wed)	05:52	06:15	113	11:52	52S	17:28	247	17:51
2025	Dec	04	(Thu)	05:53	06:16	113	11:52	52S	17:28	247	17:51
2025	Dec	05	(Fri)	05:53	06:17	113	11:52	52S	17:28	247	17:51
2025	Dec	06	(Sat)	05:54	06:17	113	11:53	52S	17:28	247	17:52
2025	Dec	07	(Sun)	05:54	06:18	113	11:53	52S	17:29	247	17:52
2025	Dec	08	(Mon)	05:55	06:18	113	11:54	51S	17:29	246	17:52
2025	Dec	09	(Tue)	05:56	06:19	114	11:54	51S	17:29	246	17:53
2025	Dec	10	(Wed)	05:56	06:19	114	11:54	51S	17:29	246	17:53
2025	Dec	11	(Thu)	05:57	06:20	114	11:55	51S	17:30	246	17:53
2025	Dec	12	(Fri)	05:57	06:21	114	11:55	51S	17:30	246	17:54
2025	Dec	13	(Sat)	05:58	06:21	114	11:56	51S	17:31	246	17:54

2025	Dec 14	(Sun)	05:58	06:22	114	11:56	51S	17:31	246	17:54
2025	Dec 15	(Mon)	05:59	06:22	114	11:57	51S	17:31	246	17:55
2025	Dec 16	(Tue)	05:59	06:23	114	11:57	51S	17:32	246	17:55
2025	Dec 17	(Wed)	06:00	06:23	114	11:58	51S	17:32	246	17:56
2025	Dec 18	(Thu)	06:00	06:24	114	11:58	51S	17:33	246	17:56
2025	Dec 19	(Fri)	06:01	06:24	114	11:59	51S	17:33	246	17:57
2025	Dec 20	(Sat)	06:01	06:25	114	11:59	51S	17:34	246	17:57
2025	Dec 21	(Sun)	06:02	06:25	114	12:00	51S	17:34	246	17:58
2025	Dec 22	(Mon)	06:02	06:26	114	12:00	51S	17:35	246	17:58
2025	Dec 23	(Tue)	06:03	06:26	114	12:01	51S	17:35	246	17:59
2025	Dec 24	(Wed)	06:03	06:27	114	12:01	51S	17:36	246	17:59
2025	Dec 25	(Thu)	06:04	06:27	114	12:02	51S	17:36	246	18:00
2025	Dec 26	(Fri)	06:04	06:28	114	12:02	51S	17:37	246	18:00
2025	Dec 27	(Sat)	06:05	06:28	114	12:03	51S	17:37	246	18:01
2025	Dec 28	(Sun)	06:05	06:29	114	12:03	51S	17:38	246	18:01
2025	Dec 29	(Mon)	06:06	06:29	114	12:04	51S	17:38	246	18:02
2025	Dec 30	(Tue)	06:06	06:30	114	12:04	51S	17:39	246	18:02
2025	Dec 31	(Wed)	06:07	06:30	114	12:05	51S	17:40	246	18:03

Moon

Mukdahan

Location: E104°33'53.9", N16°34'26.4", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:40	117		13:19	48S		19:00	245	
2025 Jan 02 (Thu)	08:30	113		14:14	53S		20:01	249	
2025 Jan 03 (Fri)	09:15	108		15:05	58S		20:59	255	
2025 Jan 04 (Sat)	09:56	101		15:54	64S		21:56	262	
2025 Jan 05 (Sun)	10:36	95		16:42	71S		22:52	269	
2025 Jan 06 (Mon)	11:14	87		17:29	78S		23:47	276	
2025 Jan 07 (Tue)	11:54	80		18:17	85S				
2025 Jan 08 (Wed)	12:36	74		19:08	90N		00:45	283	
2025 Jan 09 (Thu)	13:21	68		20:02	85N		01:44	289	
2025 Jan 10 (Fri)	14:12	64		21:00	81N		02:47	295	
2025 Jan 11 (Sat)	15:09	61		22:01	79N		03:51	298	
2025 Jan 12 (Sun)	16:09	60		23:03	79N		04:54	300	
2025 Jan 13 (Mon)	17:12	62					05:55	299	
2025 Jan 14 (Tue)	18:13	65		00:02	81N		06:50	297	
2025 Jan 15 (Wed)	19:10	69		00:57	84N		07:38	293	
2025 Jan 16 (Thu)	20:04	75		01:47	89N		08:20	288	
2025 Jan 17 (Fri)	20:55	81		02:33	87S		08:58	282	
2025 Jan 18 (Sat)	21:43	87		03:16	81S		09:33	276	
2025 Jan 19 (Sun)	22:29	93		03:56	75S		10:05	270	
2025 Jan 20 (Mon)	23:16	99		04:35	69S		10:37	264	
2025 Jan 21 (Tue)				05:15	64S		11:10	258	
2025 Jan 22 (Wed)	00:03	105		05:56	58S		11:45	253	
2025 Jan 23 (Thu)	00:53	110		06:39	54S		12:23	248	
2025 Jan 24 (Fri)	01:44	114		07:26	50S		13:05	244	
2025 Jan 25 (Sat)	02:39	118		08:17	47S		13:53	241	
2025 Jan 26 (Sun)	03:36	120		09:11	45S		14:46	240	
2025 Jan 27 (Mon)	04:33	120		10:08	45S		15:44	241	
2025 Jan 28 (Tue)	05:29	118		11:06	47S		16:45	243	
2025 Jan 29 (Wed)	06:21	115		12:03	51S		17:47	247	
2025 Jan 30 (Thu)	07:09	110		12:57	56S		18:48	253	
2025 Jan 31 (Fri)	07:53	104		13:48	62S		19:47	259	
2025 Feb 01 (Sat)	08:34	97		14:37	69S		20:45	267	
2025 Feb 02 (Sun)	09:14	90		15:26	76S		21:42	274	
2025 Feb 03 (Mon)	09:53	82		16:14	83S		22:40	281	
2025 Feb 04 (Tue)	10:35	75		17:05	90S		23:39	288	
2025 Feb 05 (Wed)	11:19	69		17:58	86N				
2025 Feb 06 (Thu)	12:08	65		18:54	82N		00:40	293	

2025 Feb 07 (Fri)	13:02 61	19:53 79N	01:43 297
2025 Feb 08 (Sat)	14:00 60	20:53 78N	02:46 300
2025 Feb 09 (Sun)	15:01 61	21:52 80N	03:46 300
2025 Feb 10 (Mon)	16:01 63	22:48 83N	04:42 298
2025 Feb 11 (Tue)	16:59 67	23:39 87N	05:32 295
2025 Feb 12 (Wed)	17:54 72		06:16 290
2025 Feb 13 (Thu)	18:46 78	00:26 90S	06:55 285
2025 Feb 14 (Fri)	19:35 84	01:10 84S	07:30 279
2025 Feb 15 (Sat)	20:22 91	01:51 78S	08:04 272
2025 Feb 16 (Sun)	21:09 97	02:31 72S	08:36 266
2025 Feb 17 (Mon)	21:56 103	03:10 66S	09:08 260
2025 Feb 18 (Tue)	22:44 108	03:51 60S	09:42 255
2025 Feb 19 (Wed)	23:35 113	04:33 55S	10:19 250
2025 Feb 20 (Thu)		05:18 51S	10:58 245
2025 Feb 21 (Fri)	00:28 116	06:06 48S	11:43 242
2025 Feb 22 (Sat)	01:23 119	06:58 45S	12:33 240
2025 Feb 23 (Sun)	02:19 120	07:53 45S	13:28 240
2025 Feb 24 (Mon)	03:14 119	08:50 46S	14:27 241
2025 Feb 25 (Tue)	04:07 117	09:47 49S	15:28 245
2025 Feb 26 (Wed)	04:57 113	10:42 53S	16:30 250
2025 Feb 27 (Thu)	05:43 107	11:35 59S	17:31 256
2025 Feb 28 (Fri)	06:27 100	12:26 66S	18:30 263
2025 Mar 01 (Sat)	07:08 93	13:16 73S	19:29 271
2025 Mar 02 (Sun)	07:49 85	14:06 80S	20:29 279
2025 Mar 03 (Mon)	08:31 78	14:58 88S	21:29 286
2025 Mar 04 (Tue)	09:16 71	15:52 88N	22:32 292
2025 Mar 05 (Wed)	10:04 66	16:48 83N	23:36 296
2025 Mar 06 (Thu)	10:57 62	17:48 80N	
2025 Mar 07 (Fri)	11:55 60	18:48 78N	00:40 299
2025 Mar 08 (Sat)	12:55 60	19:47 79N	01:41 300
2025 Mar 09 (Sun)	13:55 62	20:43 81N	02:38 299
2025 Mar 10 (Mon)	14:53 66	21:35 85N	03:29 296
2025 Mar 11 (Tue)	15:48 71	22:23 90N	04:14 292
2025 Mar 12 (Wed)	16:40 76	23:07 86S	04:54 287
2025 Mar 13 (Thu)	17:29 82	23:48 80S	05:30 281
2025 Mar 14 (Fri)	18:17 88		06:04 275
2025 Mar 15 (Sat)	19:04 95	00:28 74S	06:36 269
2025 Mar 16 (Sun)	19:50 101	01:08 68S	07:08 262
2025 Mar 17 (Mon)	20:38 106	01:48 62S	07:42 257
2025 Mar 18 (Tue)	21:28 111	02:29 57S	08:17 251
2025 Mar 19 (Wed)	22:20 115	03:13 52S	08:55 247
2025 Mar 20 (Thu)	23:13 118	04:00 49S	09:37 243
2025 Mar 21 (Fri)		04:49 46S	10:25 241
2025 Mar 22 (Sat)	00:08 120	05:42 45S	11:16 240
2025 Mar 23 (Sun)	01:03 120	06:37 45S	12:13 241
2025 Mar 24 (Mon)	01:56 118	07:32 47S	13:11 243
2025 Mar 25 (Tue)	02:46 115	08:27 51S	14:11 247
2025 Mar 26 (Wed)	03:32 110	09:20 56S	15:11 253
2025 Mar 27 (Thu)	04:16 104	10:11 62S	16:11 259
2025 Mar 28 (Fri)	04:58 97	11:02 69S	17:10 267
2025 Mar 29 (Sat)	05:39 89	11:52 77S	18:10 275
2025 Mar 30 (Sun)	06:21 81	12:44 84S	19:12 282
2025 Mar 31 (Mon)	07:06 74	13:38 90N	20:15 289
2025 Apr 01 (Tue)	07:55 68	14:36 85N	21:21 295
2025 Apr 02 (Wed)	08:48 63	15:37 81N	22:28 298
2025 Apr 03 (Thu)	09:46 61	16:39 79N	23:33 300
2025 Apr 04 (Fri)	10:47 60	17:41 79N	
2025 Apr 05 (Sat)	11:49 61	18:39 80N	00:33 299
2025 Apr 06 (Sun)	12:48 65	19:32 84N	01:26 297
2025 Apr 07 (Mon)	13:44 69	20:21 88N	02:13 293
2025 Apr 08 (Tue)	14:37 74	21:06 88S	02:55 288
2025 Apr 09 (Wed)	15:26 80	21:48 82S	03:32 283
2025 Apr 10 (Thu)	16:14 86	22:28 76S	04:06 277
2025 Apr 11 (Fri)	17:00 92	23:07 70S	04:38 271
2025 Apr 12 (Sat)	17:47 99	23:46 64S	05:10 265
2025 Apr 13 (Sun)	18:34 104		05:43 259
2025 Apr 14 (Mon)	19:23 109	00:27 59S	06:17 253

2025 Apr 15 (Tue)	20:14 114	01:10 54S	06:54 248
2025 Apr 16 (Wed)	21:07 117	01:56 50S	07:35 244
2025 Apr 17 (Thu)	22:01 119	02:45 47S	08:21 242
2025 Apr 18 (Fri)	22:56 120	03:36 45S	09:10 240
2025 Apr 19 (Sat)	23:48 119	04:30 45S	10:04 240
2025 Apr 20 (Sun)		05:24 46S	11:01 242
2025 Apr 21 (Mon)	00:38 116	06:17 49S	11:59 245
2025 Apr 22 (Tue)	01:24 112	07:09 53S	12:57 250
2025 Apr 23 (Wed)	02:08 107	07:59 59S	13:54 256
2025 Apr 24 (Thu)	02:49 100	08:48 65S	14:52 263
2025 Apr 25 (Fri)	03:30 93	09:38 73S	15:50 271
2025 Apr 26 (Sat)	04:10 86	10:28 80S	16:50 278
2025 Apr 27 (Sun)	04:53 78	11:21 87S	17:53 286
2025 Apr 28 (Mon)	05:40 71	12:17 88N	18:59 292
2025 Apr 29 (Tue)	06:33 66	13:18 83N	20:07 297
2025 Apr 30 (Wed)	07:30 62	14:22 79N	21:16 299
2025 May 01 (Thu)	08:32 60	15:27 78N	22:20 300
2025 May 02 (Fri)	09:36 61	16:28 80N	23:19 298
2025 May 03 (Sat)	10:39 63	17:26 83N	
2025 May 04 (Sun)	11:38 68	18:17 87N	00:09 295
2025 May 05 (Mon)	12:32 73	19:04 89S	00:53 290
2025 May 06 (Tue)	13:23 78	19:47 84S	01:32 284
2025 May 07 (Wed)	14:11 84	20:28 78S	02:07 279
2025 May 08 (Thu)	14:58 91	21:07 72S	02:40 273
2025 May 09 (Fri)	15:44 97	21:46 66S	03:12 266
2025 May 10 (Sat)	16:31 102	22:26 61S	03:44 261
2025 May 11 (Sun)	17:20 108	23:08 55S	04:18 255
2025 May 12 (Mon)	18:10 112	23:53 51S	04:54 250
2025 May 13 (Tue)	19:03 116		05:34 246
2025 May 14 (Wed)	19:57 119	00:41 48S	06:18 242
2025 May 15 (Thu)	20:51 120	01:32 46S	07:07 241
2025 May 16 (Fri)	21:44 119	02:25 45S	08:00 240
2025 May 17 (Sat)	22:34 117	03:19 46S	08:56 241
2025 May 18 (Sun)	23:21 114	04:12 48S	09:52 244
2025 May 19 (Mon)		05:04 52S	10:49 249
2025 May 20 (Tue)	00:04 109	05:53 57S	11:45 254
2025 May 21 (Wed)	00:45 103	06:41 63S	12:41 260
2025 May 22 (Thu)	01:24 96	07:28 70S	13:36 267
2025 May 23 (Fri)	02:03 89	08:16 77S	14:33 275
2025 May 24 (Sat)	02:44 82	09:06 84S	15:33 282
2025 May 25 (Sun)	03:28 74	09:59 91N	16:36 289
2025 May 26 (Mon)	04:16 68	10:58 85N	17:43 295
2025 May 27 (Tue)	05:11 64	12:00 81N	18:52 298
2025 May 28 (Wed)	06:12 61	13:06 79N	20:00 300
2025 May 29 (Thu)	07:17 60	14:11 79N	21:03 299
2025 May 30 (Fri)	08:22 62	15:12 81N	21:59 296
2025 May 31 (Sat)	09:25 66	16:08 85N	22:47 292
2025 Jun 01 (Sun)	10:23 71	16:58 90N	23:29 286
2025 Jun 02 (Mon)	11:17 76	17:43 86S	
2025 Jun 03 (Tue)	12:07 82	18:25 80S	00:06 281
2025 Jun 04 (Wed)	12:54 89	19:05 74S	00:40 274
2025 Jun 05 (Thu)	13:41 95	19:45 68S	01:13 268
2025 Jun 06 (Fri)	14:28 101	20:25 62S	01:45 262
2025 Jun 07 (Sat)	15:15 106	21:06 57S	02:18 257
2025 Jun 08 (Sun)	16:05 111	21:50 52S	02:54 251
2025 Jun 09 (Mon)	16:57 115	22:37 49S	03:33 247
2025 Jun 10 (Tue)	17:51 118	23:28 46S	04:15 243
2025 Jun 11 (Wed)	18:46 120		05:03 241
2025 Jun 12 (Thu)	19:40 120	00:21 45S	05:55 240
2025 Jun 13 (Fri)	20:31 118	01:15 46S	06:51 241
2025 Jun 14 (Sat)	21:19 115	02:09 47S	07:48 243
2025 Jun 15 (Sun)	22:04 110	03:01 51S	08:45 247
2025 Jun 16 (Mon)	22:45 104	03:51 56S	09:41 252
2025 Jun 17 (Tue)	23:23 98	04:38 61S	10:36 259
2025 Jun 18 (Wed)		05:25 68S	11:30 265
2025 Jun 19 (Thu)	00:01 91	06:11 75S	12:25 272
2025 Jun 20 (Fri)	00:40 84	06:58 81S	13:21 280

2025 Jun 21 (Sat)	01:21	77	07:49	88S	14:21	286
2025 Jun 22 (Sun)	02:06	71	08:43	87N	15:24	292
2025 Jun 23 (Mon)	02:56	65	09:42	82N	16:31	297
2025 Jun 24 (Tue)	03:54	62	10:45	80N	17:39	299
2025 Jun 25 (Wed)	04:56	60	11:50	79N	18:44	300
2025 Jun 26 (Thu)	06:02	61	12:54	80N	19:44	298
2025 Jun 27 (Fri)	07:07	64	13:54	83N	20:37	294
2025 Jun 28 (Sat)	08:08	68	14:47	88N	21:22	289
2025 Jun 29 (Sun)	09:05	74	15:36	88S	22:02	283
2025 Jun 30 (Mon)	09:58	80	16:20	82S	22:38	277
2025 Jul 01 (Tue)	10:47	86	17:01	76S	23:12	271
2025 Jul 02 (Wed)	11:35	93	17:41	70S	23:44	264
2025 Jul 03 (Thu)	12:22	99	18:21	64S		
2025 Jul 04 (Fri)	13:10	104	19:02	59S	00:17	259
2025 Jul 05 (Sat)	13:59	110	19:45	54S	00:52	253
2025 Jul 06 (Sun)	14:50	114	20:31	50S	01:30	248
2025 Jul 07 (Mon)	15:43	117	21:21	47S	02:11	244
2025 Jul 08 (Tue)	16:38	119	22:13	45S	02:57	242
2025 Jul 09 (Wed)	17:33	120	23:07	45S	03:48	240
2025 Jul 10 (Thu)	18:26	119			04:43	241
2025 Jul 11 (Fri)	19:16	116	00:02	47S	05:40	242
2025 Jul 12 (Sat)	20:02	112	00:56	50S	06:38	246
2025 Jul 13 (Sun)	20:44	106	01:47	54S	07:36	251
2025 Jul 14 (Mon)	21:24	100	02:36	60S	08:32	257
2025 Jul 15 (Tue)	22:02	93	03:23	66S	09:27	263
2025 Jul 16 (Wed)	22:40	86	04:09	73S	10:21	270
2025 Jul 17 (Thu)	23:19	79	04:56	80S	11:16	278
2025 Jul 18 (Fri)			05:44	86S	12:14	284
2025 Jul 19 (Sat)	00:02	73	06:36	89N	13:14	291
2025 Jul 20 (Sun)	00:49	67	07:32	84N	14:18	295
2025 Jul 21 (Mon)	01:42	63	08:32	80N	15:23	299
2025 Jul 22 (Tue)	02:41	61	09:35	79N	16:29	300
2025 Jul 23 (Wed)	03:45	60	10:38	79N	17:30	299
2025 Jul 24 (Thu)	04:49	62	11:39	82N	18:25	296
2025 Jul 25 (Fri)	05:52	66	12:35	86N	19:13	291
2025 Jul 26 (Sat)	06:51	71	13:26	91S	19:56	286
2025 Jul 27 (Sun)	07:46	77	14:12	85S	20:34	279
2025 Jul 28 (Mon)	08:38	84	14:55	78S	21:09	273
2025 Jul 29 (Tue)	09:27	90	15:36	72S	21:42	267
2025 Jul 30 (Wed)	10:15	96	16:17	66S	22:15	261
2025 Jul 31 (Thu)	11:02	102	16:58	61S	22:50	255
2025 Aug 01 (Fri)	11:51	108	17:40	56S	23:26	250
2025 Aug 02 (Sat)	12:41	112	18:25	51S		
2025 Aug 03 (Sun)	13:34	116	19:12	48S	00:06	246
2025 Aug 04 (Mon)	14:28	119	20:03	46S	00:49	242
2025 Aug 05 (Tue)	15:22	120	20:57	45S	01:38	241
2025 Aug 06 (Wed)	16:16	119	21:52	46S	02:31	240
2025 Aug 07 (Thu)	17:08	117	22:46	48S	03:28	241
2025 Aug 08 (Fri)	17:56	113	23:39	52S	04:27	244
2025 Aug 09 (Sat)	18:41	108			05:25	249
2025 Aug 10 (Sun)	19:22	102	00:30	57S	06:23	254
2025 Aug 11 (Mon)	20:01	95	01:19	64S	07:20	261
2025 Aug 12 (Tue)	20:40	88	02:06	70S	08:15	268
2025 Aug 13 (Wed)	21:19	81	02:53	77S	09:11	276
2025 Aug 14 (Thu)	22:01	74	03:42	84S	10:09	283
2025 Aug 15 (Fri)	22:47	68	04:33	91N	11:08	289
2025 Aug 16 (Sat)	23:37	64	05:27	85N	12:11	294
2025 Aug 17 (Sun)			06:25	81N	13:15	298
2025 Aug 18 (Mon)	00:33	61	07:26	79N	14:19	300
2025 Aug 19 (Tue)	01:34	60	08:28	79N	15:21	299
2025 Aug 20 (Wed)	02:37	61	09:28	80N	16:17	297
2025 Aug 21 (Thu)	03:40	65	10:25	84N	17:07	293
2025 Aug 22 (Fri)	04:39	69	11:17	89N	17:51	288
2025 Aug 23 (Sat)	05:35	75	12:05	87S	18:30	282
2025 Aug 24 (Sun)	06:28	81	12:49	81S	19:06	276
2025 Aug 25 (Mon)	07:18	87	13:31	75S	19:40	269
2025 Aug 26 (Tue)	08:07	94	14:12	69S	20:13	263

2025 Aug 27 (Wed)	08:55 100	14:53 63S	20:47 257
2025 Aug 28 (Thu)	09:43 106	15:34 57S	21:23 252
2025 Aug 29 (Fri)	10:33 111	16:18 53S	22:01 247
2025 Aug 30 (Sat)	11:24 115	17:05 49S	22:43 244
2025 Aug 31 (Sun)	12:17 118	17:54 46S	23:29 241
2025 Sep 01 (Mon)	13:11 120	18:46 45S	
2025 Sep 02 (Tue)	14:05 120	19:40 45S	00:20 240
2025 Sep 03 (Wed)	14:57 118	20:34 47S	01:15 241
2025 Sep 04 (Thu)	15:47 115	21:27 50S	02:12 243
2025 Sep 05 (Fri)	16:33 111	22:19 55S	03:10 246
2025 Sep 06 (Sat)	17:15 105	23:09 61S	04:09 252
2025 Sep 07 (Sun)	17:56 98	23:58 67S	05:06 258
2025 Sep 08 (Mon)	18:36 91		06:03 265
2025 Sep 09 (Tue)	19:16 84	00:46 75S	07:01 273
2025 Sep 10 (Wed)	19:58 77	01:35 82S	07:59 280
2025 Sep 11 (Thu)	20:43 70	02:27 89S	09:00 287
2025 Sep 12 (Fri)	21:33 65	03:21 87N	10:03 293
2025 Sep 13 (Sat)	22:29 62	04:19 82N	11:08 297
2025 Sep 14 (Sun)	23:28 60	05:20 79N	12:13 300
2025 Sep 15 (Mon)		06:22 78N	13:15 300
2025 Sep 16 (Tue)	00:31 61	07:23 80N	14:13 298
2025 Sep 17 (Wed)	01:33 63	08:20 83N	15:04 295
2025 Sep 18 (Thu)	02:32 67	09:12 87N	15:49 290
2025 Sep 19 (Fri)	03:28 73	10:01 89S	16:29 284
2025 Sep 20 (Sat)	04:21 79	10:45 83S	17:05 278
2025 Sep 21 (Sun)	05:12 85	11:27 77S	17:39 272
2025 Sep 22 (Mon)	06:00 91	12:08 71S	18:13 265
2025 Sep 23 (Tue)	06:48 98	12:49 65S	18:46 259
2025 Sep 24 (Wed)	07:36 104	13:30 59S	19:21 254
2025 Sep 25 (Thu)	08:26 109	14:13 54S	19:58 249
2025 Sep 26 (Fri)	09:16 113	14:59 50S	20:38 245
2025 Sep 27 (Sat)	10:09 117	15:46 47S	21:23 242
2025 Sep 28 (Sun)	11:02 119	16:37 45S	22:11 240
2025 Sep 29 (Mon)	11:55 120	17:29 45S	23:04 240
2025 Sep 30 (Tue)	12:47 119	18:22 46S	23:59 242
2025 Oct 01 (Wed)	13:37 117	19:15 48S	
2025 Oct 02 (Thu)	14:23 113	20:06 52S	00:56 245
2025 Oct 03 (Fri)	15:07 108	20:56 58S	01:53 249
2025 Oct 04 (Sat)	15:48 102	21:45 64S	02:50 255
2025 Oct 05 (Sun)	16:28 95	22:34 71S	03:46 261
2025 Oct 06 (Mon)	17:08 87	23:23 78S	04:44 269
2025 Oct 07 (Tue)	17:50 80		05:42 276
2025 Oct 08 (Wed)	18:35 73	00:14 86S	06:43 284
2025 Oct 09 (Thu)	19:24 67	01:09 89N	07:48 290
2025 Oct 10 (Fri)	20:20 63	02:07 84N	08:54 296
2025 Oct 11 (Sat)	21:20 60	03:10 80N	10:02 299
2025 Oct 12 (Sun)	22:23 60	04:14 79N	11:08 300
2025 Oct 13 (Mon)	23:26 62	05:16 79N	12:08 299
2025 Oct 14 (Tue)		06:15 82N	13:01 296
2025 Oct 15 (Wed)	00:27 66	07:10 86N	13:48 291
2025 Oct 16 (Thu)	01:24 71	07:59 90N	14:29 286
2025 Oct 17 (Fri)	02:18 77	08:44 85S	15:06 280
2025 Oct 18 (Sat)	03:08 83	09:26 79S	15:41 274
2025 Oct 19 (Sun)	03:56 89	10:07 73S	16:14 268
2025 Oct 20 (Mon)	04:44 96	10:47 67S	16:47 262
2025 Oct 21 (Tue)	05:32 102	11:28 61S	17:21 256
2025 Oct 22 (Wed)	06:20 107	12:10 56S	17:57 251
2025 Oct 23 (Thu)	07:11 112	12:55 52S	18:36 246
2025 Oct 24 (Fri)	08:02 116	13:42 48S	19:19 243
2025 Oct 25 (Sat)	08:55 118	14:31 46S	20:06 241
2025 Oct 26 (Sun)	09:48 120	15:23 45S	20:57 240
2025 Oct 27 (Mon)	10:40 120	16:15 46S	21:50 241
2025 Oct 28 (Tue)	11:30 118	17:07 47S	22:45 243
2025 Oct 29 (Wed)	12:16 115	17:57 51S	23:41 247
2025 Oct 30 (Thu)	12:59 110	18:46 55S	
2025 Oct 31 (Fri)	13:40 105	19:34 61S	00:36 252
2025 Nov 01 (Sat)	14:19 98	20:21 67S	01:31 258

2025 Nov 02 (Sun)	14:58 91	21:08 74S	02:26 265
2025 Nov 03 (Mon)	15:39 84	21:58 82S	03:23 272
2025 Nov 04 (Tue)	16:22 77	22:51 89S	04:22 280
2025 Nov 05 (Wed)	17:09 70	23:48 87N	05:25 287
2025 Nov 06 (Thu)	18:03 65		06:31 293
2025 Nov 07 (Fri)	19:03 61	00:51 82N	07:41 297
2025 Nov 08 (Sat)	20:08 60	01:56 79N	08:51 300
2025 Nov 09 (Sun)	21:14 62	03:02 79N	09:56 299
2025 Nov 10 (Mon)	22:18 65	04:06 81N	10:54 297
2025 Nov 11 (Tue)	23:18 70	05:03 84N	11:45 293
2025 Nov 12 (Wed)		05:55 89N	12:28 288
2025 Nov 13 (Thu)	00:14 75	06:42 87S	13:07 282
2025 Nov 14 (Fri)	01:05 81	07:26 81S	13:42 276
2025 Nov 15 (Sat)	01:54 87	08:07 75S	14:16 269
2025 Nov 16 (Sun)	02:42 94	08:47 69S	14:49 263
2025 Nov 17 (Mon)	03:29 100	09:27 63S	15:22 258
2025 Nov 18 (Tue)	04:17 105	10:09 58S	15:58 252
2025 Nov 19 (Wed)	05:06 110	10:52 53S	16:36 248
2025 Nov 20 (Thu)	05:58 114	11:39 49S	17:17 244
2025 Nov 21 (Fri)	06:50 118	12:27 47S	18:03 241
2025 Nov 22 (Sat)	07:44 119	13:18 45S	18:53 240
2025 Nov 23 (Sun)	08:36 120	14:10 45S	19:45 241
2025 Nov 24 (Mon)	09:26 118	15:02 47S	20:40 243
2025 Nov 25 (Tue)	10:13 116	15:53 50S	21:34 246
2025 Nov 26 (Wed)	10:56 112	16:41 54S	22:28 250
2025 Nov 27 (Thu)	11:37 107	17:28 59S	23:22 256
2025 Nov 28 (Fri)	12:15 101	18:13 65S	
2025 Nov 29 (Sat)	12:53 94	18:58 71S	00:15 262
2025 Nov 30 (Sun)	13:30 87	19:45 78S	01:08 269
2025 Dec 01 (Mon)	14:11 80	20:34 85S	02:04 276
2025 Dec 02 (Tue)	14:55 73	21:28 90N	03:03 284
2025 Dec 03 (Wed)	15:44 67	22:27 84N	04:06 290
2025 Dec 04 (Thu)	16:41 63	23:32 80N	05:14 295
2025 Dec 05 (Fri)	17:45 61		06:24 299
2025 Dec 06 (Sat)	18:52 61	00:39 79N	07:34 300
2025 Dec 07 (Sun)	20:00 63	01:46 80N	08:38 298
2025 Dec 08 (Mon)	21:04 68	02:49 83N	09:34 295
2025 Dec 09 (Tue)	22:04 73	03:45 87N	10:22 290
2025 Dec 10 (Wed)	22:58 79	04:36 89S	11:04 284
2025 Dec 11 (Thu)	23:49 85	05:22 83S	11:42 278
2025 Dec 12 (Fri)		06:05 77S	12:16 271
2025 Dec 13 (Sat)	00:38 92	06:46 71S	12:50 265
2025 Dec 14 (Sun)	01:26 98	07:26 65S	13:23 259
2025 Dec 15 (Mon)	02:14 104	08:07 59S	13:58 254
2025 Dec 16 (Tue)	03:02 109	08:50 54S	14:35 249
2025 Dec 17 (Wed)	03:53 113	09:35 50S	15:15 245
2025 Dec 18 (Thu)	04:45 117	10:23 47S	16:00 242
2025 Dec 19 (Fri)	05:39 119	11:14 46S	16:49 241
2025 Dec 20 (Sat)	06:32 120	12:06 45S	17:41 241
2025 Dec 21 (Sun)	07:23 119	12:58 46S	18:35 242
2025 Dec 22 (Mon)	08:11 117	13:50 49S	19:30 245
2025 Dec 23 (Tue)	08:55 113	14:39 53S	20:25 249
2025 Dec 24 (Wed)	09:37 108	15:26 58S	21:18 254
2025 Dec 25 (Thu)	10:15 102	16:11 63S	22:10 261
2025 Dec 26 (Fri)	10:52 96	16:55 69S	23:02 267
2025 Dec 27 (Sat)	11:28 89	17:40 76S	23:55 274
2025 Dec 28 (Sun)	12:06 83	18:26 83S	
2025 Dec 29 (Mon)	12:47 76	19:16 89S	00:50 281
2025 Dec 30 (Tue)	13:32 70	20:10 86N	01:49 287
2025 Dec 31 (Wed)	14:23 65	21:10 82N	02:53 293