

Sun

Phetchabun

Location: E101°09'21.6", N16°25'12.0", 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)	05:53	06:44 114		12:19 51S	17:54 246		18:44
2025 Jan 02 (Thu)	05:54	06:44 114		12:19 51S	17:55 246		18:45
2025 Jan 03 (Fri)	05:54	06:44 114		12:20 51S	17:55 246		18:46
2025 Jan 04 (Sat)	05:55	06:45 113		12:20 52S	17:56 247		18:46
2025 Jan 05 (Sun)	05:55	06:45 113		12:21 52S	17:57 247		18:47
2025 Jan 06 (Mon)	05:55	06:45 113		12:21 52S	17:57 247		18:47
2025 Jan 07 (Tue)	05:56	06:46 113		12:22 52S	17:58 247		18:48
2025 Jan 08 (Wed)	05:56	06:46 113		12:22 52S	17:58 247		18:48
2025 Jan 09 (Thu)	05:56	06:46 113		12:22 52S	17:59 247		18:49
2025 Jan 10 (Fri)	05:56	06:46 113		12:23 52S	18:00 247		18:49
2025 Jan 11 (Sat)	05:57	06:47 113		12:23 53S	18:00 248		18:50
2025 Jan 12 (Sun)	05:57	06:47 112		12:24 53S	18:01 248		18:51
2025 Jan 13 (Mon)	05:57	06:47 112		12:24 53S	18:01 248		18:51
2025 Jan 14 (Tue)	05:57	06:47 112		12:24 53S	18:02 248		18:52
2025 Jan 15 (Wed)	05:57	06:47 112		12:25 53S	18:03 248		18:52
2025 Jan 16 (Thu)	05:58	06:47 112		12:25 53S	18:03 248		18:53
2025 Jan 17 (Fri)	05:58	06:47 111		12:25 54S	18:04 249		18:53
2025 Jan 18 (Sat)	05:58	06:47 111		12:26 54S	18:04 249		18:54
2025 Jan 19 (Sun)	05:58	06:47 111		12:26 54S	18:05 249		18:54
2025 Jan 20 (Mon)	05:58	06:47 111		12:26 54S	18:06 249		18:55
2025 Jan 21 (Tue)	05:58	06:47 111		12:27 54S	18:06 250		18:55
2025 Jan 22 (Wed)	05:58	06:47 110		12:27 55S	18:07 250		18:56
2025 Jan 23 (Thu)	05:58	06:47 110		12:27 55S	18:07 250		18:56
2025 Jan 24 (Fri)	05:58	06:47 110		12:27 55S	18:08 250		18:57
2025 Jan 25 (Sat)	05:58	06:47 110		12:28 55S	18:08 251		18:57
2025 Jan 26 (Sun)	05:58	06:47 109		12:28 56S	18:09 251		18:58
2025 Jan 27 (Mon)	05:58	06:47 109		12:28 56S	18:09 251		18:58
2025 Jan 28 (Tue)	05:58	06:47 109		12:28 56S	18:10 251		18:59
2025 Jan 29 (Wed)	05:58	06:47 108		12:28 56S	18:10 252		18:59
2025 Jan 30 (Thu)	05:58	06:46 108		12:29 57S	18:11 252		19:00
2025 Jan 31 (Fri)	05:58	06:46 108		12:29 57S	18:11 252		19:00
2025 Feb 01 (Sat)	05:58	06:46 108		12:29 57S	18:12 253		19:00
2025 Feb 02 (Sun)	05:57	06:46 107		12:29 58S	18:12 253		19:01
2025 Feb 03 (Mon)	05:57	06:46 107		12:29 58S	18:13 253		19:01
2025 Feb 04 (Tue)	05:57	06:45 107		12:29 58S	18:13 253		19:02
2025 Feb 05 (Wed)	05:57	06:45 106		12:29 58S	18:14 254		19:02
2025 Feb 06 (Thu)	05:57	06:45 106		12:29 59S	18:14 254		19:02
2025 Feb 07 (Fri)	05:56	06:44 106		12:29 59S	18:15 254		19:03
2025 Feb 08 (Sat)	05:56	06:44 105		12:30 59S	18:15 255		19:03
2025 Feb 09 (Sun)	05:56	06:44 105		12:30 60S	18:16 255		19:04
2025 Feb 10 (Mon)	05:55	06:43 105		12:30 60S	18:16 255		19:04
2025 Feb 11 (Tue)	05:55	06:43 104		12:30 60S	18:16 256		19:04
2025 Feb 12 (Wed)	05:55	06:42 104		12:30 61S	18:17 256		19:05
2025 Feb 13 (Thu)	05:54	06:42 104		12:30 61S	18:17 256		19:05
2025 Feb 14 (Fri)	05:54	06:42 103		12:30 61S	18:18 257		19:05
2025 Feb 15 (Sat)	05:54	06:41 103		12:29 62S	18:18 257		19:06
2025 Feb 16 (Sun)	05:53	06:41 103		12:29 62S	18:18 258		19:06
2025 Feb 17 (Mon)	05:53	06:40 102		12:29 62S	18:19 258		19:06
2025 Feb 18 (Tue)	05:52	06:40 102		12:29 63S	18:19 258		19:06
2025 Feb 19 (Wed)	05:52	06:39 102		12:29 63S	18:19 259		19:07
2025 Feb 20 (Thu)	05:51	06:39 101		12:29 63S	18:20 259		19:07
2025 Feb 21 (Fri)	05:51	06:38 101		12:29 64S	18:20 259		19:07
2025 Feb 22 (Sat)	05:50	06:37 100		12:29 64S	18:20 260		19:07
2025 Feb 23 (Sun)	05:50	06:37 100		12:29 65S	18:21 260		19:08
2025 Feb 24 (Mon)	05:49	06:36 100		12:29 65S	18:21 261		19:08

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

2025	May	03	(Sat)	05:01	05:50	73	12:12	90S	18:35	287	19:24
2025	May	04	(Sun)	05:00	05:49	73	12:12	90S	18:35	287	19:25
2025	May	05	(Mon)	04:59	05:49	73	12:12	91S	18:36	287	19:25
2025	May	06	(Tue)	04:59	05:48	72	12:12	91N	18:36	288	19:25
2025	May	07	(Wed)	04:58	05:48	72	12:12	90N	18:36	288	19:26
2025	May	08	(Thu)	04:58	05:47	72	12:12	90N	18:36	288	19:26
2025	May	09	(Fri)	04:57	05:47	72	12:12	90N	18:37	289	19:26
2025	May	10	(Sat)	04:57	05:47	71	12:12	89N	18:37	289	19:27
2025	May	11	(Sun)	04:56	05:46	71	12:12	89N	18:37	289	19:27
2025	May	12	(Mon)	04:56	05:46	71	12:12	89N	18:38	289	19:28
2025	May	13	(Tue)	04:56	05:46	71	12:12	89N	18:38	290	19:28
2025	May	14	(Wed)	04:55	05:45	70	12:12	88N	18:38	290	19:29
2025	May	15	(Thu)	04:55	05:45	70	12:12	88N	18:39	290	19:29
2025	May	16	(Fri)	04:54	05:45	70	12:12	88N	18:39	290	19:29
2025	May	17	(Sat)	04:54	05:44	70	12:12	88N	18:39	291	19:30
2025	May	18	(Sun)	04:54	05:44	69	12:12	88N	18:40	291	19:30
2025	May	19	(Mon)	04:53	05:44	69	12:12	87N	18:40	291	19:31
2025	May	20	(Tue)	04:53	05:44	69	12:12	87N	18:40	291	19:31
2025	May	21	(Wed)	04:53	05:43	69	12:12	87N	18:41	291	19:32
2025	May	22	(Thu)	04:52	05:43	68	12:12	87N	18:41	292	19:32
2025	May	23	(Fri)	04:52	05:43	68	12:12	87N	18:41	292	19:32
2025	May	24	(Sat)	04:52	05:43	68	12:12	86N	18:42	292	19:33
2025	May	25	(Sun)	04:52	05:43	68	12:12	86N	18:42	292	19:33
2025	May	26	(Mon)	04:51	05:43	68	12:12	86N	18:42	292	19:34
2025	May	27	(Tue)	04:51	05:42	67	12:13	86N	18:43	293	19:34
2025	May	28	(Wed)	04:51	05:42	67	12:13	86N	18:43	293	19:35
2025	May	29	(Thu)	04:51	05:42	67	12:13	85N	18:44	293	19:35
2025	May	30	(Fri)	04:51	05:42	67	12:13	85N	18:44	293	19:35
2025	May	31	(Sat)	04:51	05:42	67	12:13	85N	18:44	293	19:36
2025	Jun	01	(Sun)	04:50	05:42	67	12:13	85N	18:45	293	19:36
2025	Jun	02	(Mon)	04:50	05:42	67	12:13	85N	18:45	294	19:37
2025	Jun	03	(Tue)	04:50	05:42	66	12:14	85N	18:45	294	19:37
2025	Jun	04	(Wed)	04:50	05:42	66	12:14	85N	18:46	294	19:37
2025	Jun	05	(Thu)	04:50	05:42	66	12:14	85N	18:46	294	19:38
2025	Jun	06	(Fri)	04:50	05:42	66	12:14	84N	18:46	294	19:38
2025	Jun	07	(Sat)	04:50	05:42	66	12:14	84N	18:47	294	19:38
2025	Jun	08	(Sun)	04:50	05:42	66	12:14	84N	18:47	294	19:39
2025	Jun	09	(Mon)	04:50	05:42	66	12:15	84N	18:47	294	19:39
2025	Jun	10	(Tue)	04:50	05:42	66	12:15	84N	18:47	294	19:40
2025	Jun	11	(Wed)	04:50	05:42	66	12:15	84N	18:48	294	19:40
2025	Jun	12	(Thu)	04:50	05:42	66	12:15	84N	18:48	295	19:40
2025	Jun	13	(Fri)	04:50	05:43	65	12:15	84N	18:48	295	19:41
2025	Jun	14	(Sat)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2025	Jun	15	(Sun)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2025	Jun	16	(Mon)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2025	Jun	17	(Tue)	04:51	05:43	65	12:16	84N	18:49	295	19:42
2025	Jun	18	(Wed)	04:51	05:43	65	12:17	84N	18:50	295	19:42
2025	Jun	19	(Thu)	04:51	05:44	65	12:17	84N	18:50	295	19:42
2025	Jun	20	(Fri)	04:52	05:44	65	12:17	84N	18:50	295	19:42
2025	Jun	21	(Sat)	04:52	05:44	65	12:17	84N	18:50	295	19:43
2025	Jun	22	(Sun)	04:52	05:44	65	12:17	84N	18:51	295	19:43
2025	Jun	23	(Mon)	04:52	05:44	65	12:18	84N	18:51	295	19:43
2025	Jun	24	(Tue)	04:52	05:45	65	12:18	84N	18:51	295	19:43
2025	Jun	25	(Wed)	04:53	05:45	65	12:18	84N	18:51	295	19:43
2025	Jun	26	(Thu)	04:53	05:45	65	12:18	84N	18:51	295	19:44
2025	Jun	27	(Fri)	04:53	05:45	65	12:18	84N	18:51	295	19:44
2025	Jun	28	(Sat)	04:54	05:46	65	12:19	84N	18:52	295	19:44
2025	Jun	29	(Sun)	04:54	05:46	65	12:19	84N	18:52	295	19:44
2025	Jun	30	(Mon)	04:54	05:46	66	12:19	84N	18:52	294	19:44
2025	Jul	01	(Tue)	04:54	05:47	66	12:19	84N	18:52	294	19:44
2025	Jul	02	(Wed)	04:55	05:47	66	12:19	84N	18:52	294	19:44
2025	Jul	03	(Thu)	04:55	05:47	66	12:20	84N	18:52	294	19:44
2025	Jul	04	(Fri)	04:56	05:47	66	12:20	84N	18:52	294	19:44
2025	Jul	05	(Sat)	04:56	05:48	66	12:20	84N	18:52	294	19:44
2025	Jul	06	(Sun)	04:56	05:48	66	12:20	84N	18:52	294	19:44
2025	Jul	07	(Mon)	04:57	05:48	66	12:20	85N	18:52	294	19:44
2025	Jul	08	(Tue)	04:57	05:49	66	12:21	85N	18:52	294	19:44

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

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

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

Sun

Phetchabun

Location: E101°09'21.6", N16°25'12.0", 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)	06:20	06:44	114	12:19 51S	17:54 246		18:18
2025	Jan	02	(Thu)	06:21	06:44	114	12:19 51S	17:55 246		18:18
2025	Jan	03	(Fri)	06:21	06:44	114	12:20 51S	17:55 246		18:19
2025	Jan	04	(Sat)	06:21	06:45	113	12:20 52S	17:56 247		18:19
2025	Jan	05	(Sun)	06:22	06:45	113	12:21 52S	17:57 247		18:20
2025	Jan	06	(Mon)	06:22	06:45	113	12:21 52S	17:57 247		18:20
2025	Jan	07	(Tue)	06:22	06:46	113	12:22 52S	17:58 247		18:21
2025	Jan	08	(Wed)	06:23	06:46	113	12:22 52S	17:58 247		18:22
2025	Jan	09	(Thu)	06:23	06:46	113	12:22 52S	17:59 247		18:22
2025	Jan	10	(Fri)	06:23	06:46	113	12:23 52S	18:00 247		18:23
2025	Jan	11	(Sat)	06:23	06:47	113	12:23 53S	18:00 248		18:23
2025	Jan	12	(Sun)	06:24	06:47	112	12:24 53S	18:01 248		18:24

2025	Jan	13	(Mon)	06:24	06:47	112	12:24	53S	18:01	248	18:24
2025	Jan	14	(Tue)	06:24	06:47	112	12:24	53S	18:02	248	18:25
2025	Jan	15	(Wed)	06:24	06:47	112	12:25	53S	18:03	248	18:26
2025	Jan	16	(Thu)	06:24	06:47	112	12:25	53S	18:03	248	18:26
2025	Jan	17	(Fri)	06:24	06:47	111	12:25	54S	18:04	249	18:27
2025	Jan	18	(Sat)	06:24	06:47	111	12:26	54S	18:04	249	18:27
2025	Jan	19	(Sun)	06:24	06:47	111	12:26	54S	18:05	249	18:28
2025	Jan	20	(Mon)	06:24	06:47	111	12:26	54S	18:06	249	18:28
2025	Jan	21	(Tue)	06:24	06:47	111	12:27	54S	18:06	250	18:29
2025	Jan	22	(Wed)	06:24	06:47	110	12:27	55S	18:07	250	18:29
2025	Jan	23	(Thu)	06:24	06:47	110	12:27	55S	18:07	250	18:30
2025	Jan	24	(Fri)	06:24	06:47	110	12:27	55S	18:08	250	18:31
2025	Jan	25	(Sat)	06:24	06:47	110	12:28	55S	18:08	251	18:31
2025	Jan	26	(Sun)	06:24	06:47	109	12:28	56S	18:09	251	18:32
2025	Jan	27	(Mon)	06:24	06:47	109	12:28	56S	18:09	251	18:32
2025	Jan	28	(Tue)	06:24	06:47	109	12:28	56S	18:10	251	18:33
2025	Jan	29	(Wed)	06:24	06:47	108	12:28	56S	18:10	252	18:33
2025	Jan	30	(Thu)	06:24	06:46	108	12:29	57S	18:11	252	18:34
2025	Jan	31	(Fri)	06:24	06:46	108	12:29	57S	18:11	252	18:34
2025	Feb	01	(Sat)	06:24	06:46	108	12:29	57S	18:12	253	18:34
2025	Feb	02	(Sun)	06:23	06:46	107	12:29	58S	18:12	253	18:35
2025	Feb	03	(Mon)	06:23	06:46	107	12:29	58S	18:13	253	18:35
2025	Feb	04	(Tue)	06:23	06:45	107	12:29	58S	18:13	253	18:36
2025	Feb	05	(Wed)	06:23	06:45	106	12:29	58S	18:14	254	18:36
2025	Feb	06	(Thu)	06:22	06:45	106	12:29	59S	18:14	254	18:37
2025	Feb	07	(Fri)	06:22	06:44	106	12:29	59S	18:15	254	18:37
2025	Feb	08	(Sat)	06:22	06:44	105	12:30	59S	18:15	255	18:37
2025	Feb	09	(Sun)	06:21	06:44	105	12:30	60S	18:16	255	18:38
2025	Feb	10	(Mon)	06:21	06:43	105	12:30	60S	18:16	255	18:38
2025	Feb	11	(Tue)	06:21	06:43	104	12:30	60S	18:16	256	18:39
2025	Feb	12	(Wed)	06:20	06:42	104	12:30	61S	18:17	256	18:39
2025	Feb	13	(Thu)	06:20	06:42	104	12:30	61S	18:17	256	18:39
2025	Feb	14	(Fri)	06:20	06:42	103	12:30	61S	18:18	257	18:40
2025	Feb	15	(Sat)	06:19	06:41	103	12:29	62S	18:18	257	18:40
2025	Feb	16	(Sun)	06:19	06:41	103	12:29	62S	18:18	258	18:40
2025	Feb	17	(Mon)	06:18	06:40	102	12:29	62S	18:19	258	18:41
2025	Feb	18	(Tue)	06:18	06:40	102	12:29	63S	18:19	258	18:41
2025	Feb	19	(Wed)	06:17	06:39	102	12:29	63S	18:19	259	18:41
2025	Feb	20	(Thu)	06:17	06:39	101	12:29	63S	18:20	259	18:42
2025	Feb	21	(Fri)	06:16	06:38	101	12:29	64S	18:20	259	18:42
2025	Feb	22	(Sat)	06:16	06:37	100	12:29	64S	18:20	260	18:42
2025	Feb	23	(Sun)	06:15	06:37	100	12:29	65S	18:21	260	18:43
2025	Feb	24	(Mon)	06:15	06:36	100	12:29	65S	18:21	261	18:43
2025	Feb	25	(Tue)	06:14	06:36	99	12:28	65S	18:21	261	18:43
2025	Feb	26	(Wed)	06:13	06:35	99	12:28	66S	18:22	261	18:43
2025	Feb	27	(Thu)	06:13	06:34	98	12:28	66S	18:22	262	18:44
2025	Feb	28	(Fri)	06:12	06:34	98	12:28	66S	18:22	262	18:44
2025	Mar	01	(Sat)	06:12	06:33	98	12:28	67S	18:22	263	18:44
2025	Mar	02	(Sun)	06:11	06:33	97	12:27	67S	18:23	263	18:44
2025	Mar	03	(Mon)	06:10	06:32	97	12:27	68S	18:23	263	18:45
2025	Mar	04	(Tue)	06:10	06:31	96	12:27	68S	18:23	264	18:45
2025	Mar	05	(Wed)	06:09	06:31	96	12:27	68S	18:23	264	18:45
2025	Mar	06	(Thu)	06:08	06:30	96	12:27	69S	18:24	265	18:45
2025	Mar	07	(Fri)	06:08	06:29	95	12:26	69S	18:24	265	18:45
2025	Mar	08	(Sat)	06:07	06:28	95	12:26	70S	18:24	265	18:46
2025	Mar	09	(Sun)	06:06	06:28	94	12:26	70S	18:24	266	18:46
2025	Mar	10	(Mon)	06:05	06:27	94	12:26	70S	18:24	266	18:46
2025	Mar	11	(Tue)	06:05	06:26	94	12:25	71S	18:25	267	18:46
2025	Mar	12	(Wed)	06:04	06:26	93	12:25	71S	18:25	267	18:46
2025	Mar	13	(Thu)	06:03	06:25	93	12:25	71S	18:25	267	18:47
2025	Mar	14	(Fri)	06:03	06:24	92	12:25	72S	18:25	268	18:47
2025	Mar	15	(Sat)	06:02	06:23	92	12:24	72S	18:25	268	18:47
2025	Mar	16	(Sun)	06:01	06:23	92	12:24	73S	18:26	269	18:47
2025	Mar	17	(Mon)	06:00	06:22	91	12:24	73S	18:26	269	18:47
2025	Mar	18	(Tue)	06:00	06:21	91	12:23	73S	18:26	269	18:47
2025	Mar	19	(Wed)	05:59	06:20	90	12:23	74S	18:26	270	18:48
2025	Mar	20	(Thu)	05:58	06:20	90	12:23	74S	18:26	270	18:48

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

2025	May	27	(Tue)	05:19	05:42	67	12:13	86N	18:43	293	19:06
2025	May	28	(Wed)	05:19	05:42	67	12:13	86N	18:43	293	19:07
2025	May	29	(Thu)	05:19	05:42	67	12:13	85N	18:44	293	19:07
2025	May	30	(Fri)	05:19	05:42	67	12:13	85N	18:44	293	19:07
2025	May	31	(Sat)	05:18	05:42	67	12:13	85N	18:44	293	19:08
2025	Jun	01	(Sun)	05:18	05:42	67	12:13	85N	18:45	293	19:08
2025	Jun	02	(Mon)	05:18	05:42	67	12:13	85N	18:45	294	19:09
2025	Jun	03	(Tue)	05:18	05:42	66	12:14	85N	18:45	294	19:09
2025	Jun	04	(Wed)	05:18	05:42	66	12:14	85N	18:46	294	19:09
2025	Jun	05	(Thu)	05:18	05:42	66	12:14	85N	18:46	294	19:10
2025	Jun	06	(Fri)	05:18	05:42	66	12:14	84N	18:46	294	19:10
2025	Jun	07	(Sat)	05:18	05:42	66	12:14	84N	18:47	294	19:10
2025	Jun	08	(Sun)	05:18	05:42	66	12:14	84N	18:47	294	19:11
2025	Jun	09	(Mon)	05:18	05:42	66	12:15	84N	18:47	294	19:11
2025	Jun	10	(Tue)	05:18	05:42	66	12:15	84N	18:47	294	19:11
2025	Jun	11	(Wed)	05:18	05:42	66	12:15	84N	18:48	294	19:12
2025	Jun	12	(Thu)	05:19	05:42	66	12:15	84N	18:48	295	19:12
2025	Jun	13	(Fri)	05:19	05:43	65	12:15	84N	18:48	295	19:12
2025	Jun	14	(Sat)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2025	Jun	15	(Sun)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2025	Jun	16	(Mon)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2025	Jun	17	(Tue)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2025	Jun	18	(Wed)	05:19	05:43	65	12:17	84N	18:50	295	19:14
2025	Jun	19	(Thu)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2025	Jun	20	(Fri)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2025	Jun	21	(Sat)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2025	Jun	22	(Sun)	05:20	05:44	65	12:17	84N	18:51	295	19:15
2025	Jun	23	(Mon)	05:20	05:44	65	12:18	84N	18:51	295	19:15
2025	Jun	24	(Tue)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2025	Jun	25	(Wed)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2025	Jun	26	(Thu)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2025	Jun	27	(Fri)	05:22	05:45	65	12:18	84N	18:51	295	19:15
2025	Jun	28	(Sat)	05:22	05:46	65	12:19	84N	18:52	295	19:15
2025	Jun	29	(Sun)	05:22	05:46	65	12:19	84N	18:52	295	19:16
2025	Jun	30	(Mon)	05:22	05:46	66	12:19	84N	18:52	294	19:16
2025	Jul	01	(Tue)	05:23	05:47	66	12:19	84N	18:52	294	19:16
2025	Jul	02	(Wed)	05:23	05:47	66	12:19	84N	18:52	294	19:16
2025	Jul	03	(Thu)	05:23	05:47	66	12:20	84N	18:52	294	19:16
2025	Jul	04	(Fri)	05:24	05:47	66	12:20	84N	18:52	294	19:16
2025	Jul	05	(Sat)	05:24	05:48	66	12:20	84N	18:52	294	19:16
2025	Jul	06	(Sun)	05:24	05:48	66	12:20	84N	18:52	294	19:16
2025	Jul	07	(Mon)	05:25	05:48	66	12:20	85N	18:52	294	19:16
2025	Jul	08	(Tue)	05:25	05:49	66	12:21	85N	18:52	294	19:16
2025	Jul	09	(Wed)	05:25	05:49	66	12:21	85N	18:52	294	19:16
2025	Jul	10	(Thu)	05:26	05:49	67	12:21	85N	18:52	293	19:16
2025	Jul	11	(Fri)	05:26	05:50	67	12:21	85N	18:52	293	19:16
2025	Jul	12	(Sat)	05:26	05:50	67	12:21	85N	18:52	293	19:16
2025	Jul	13	(Sun)	05:27	05:50	67	12:21	85N	18:52	293	19:16
2025	Jul	14	(Mon)	05:27	05:51	67	12:21	85N	18:52	293	19:15
2025	Jul	15	(Tue)	05:27	05:51	67	12:21	86N	18:52	293	19:15
2025	Jul	16	(Wed)	05:28	05:51	67	12:21	86N	18:52	292	19:15
2025	Jul	17	(Thu)	05:28	05:52	68	12:22	86N	18:51	292	19:15
2025	Jul	18	(Fri)	05:28	05:52	68	12:22	86N	18:51	292	19:15
2025	Jul	19	(Sat)	05:29	05:52	68	12:22	86N	18:51	292	19:14
2025	Jul	20	(Sun)	05:29	05:53	68	12:22	87N	18:51	292	19:14
2025	Jul	21	(Mon)	05:30	05:53	68	12:22	87N	18:51	292	19:14
2025	Jul	22	(Tue)	05:30	05:53	69	12:22	87N	18:50	291	19:14
2025	Jul	23	(Wed)	05:30	05:53	69	12:22	87N	18:50	291	19:13
2025	Jul	24	(Thu)	05:31	05:54	69	12:22	87N	18:50	291	19:13
2025	Jul	25	(Fri)	05:31	05:54	69	12:22	88N	18:50	291	19:13
2025	Jul	26	(Sat)	05:31	05:54	69	12:22	88N	18:49	290	19:12
2025	Jul	27	(Sun)	05:32	05:55	70	12:22	88N	18:49	290	19:12
2025	Jul	28	(Mon)	05:32	05:55	70	12:22	88N	18:49	290	19:12
2025	Jul	29	(Tue)	05:32	05:55	70	12:22	88N	18:48	290	19:11
2025	Jul	30	(Wed)	05:33	05:56	70	12:22	89N	18:48	289	19:11
2025	Jul	31	(Thu)	05:33	05:56	71	12:22	89N	18:48	289	19:11
2025	Aug	01	(Fri)	05:33	05:56	71	12:22	89N	18:47	289	19:10

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

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

2025	Dec 14	(Sun)	06:12	06:35	114	12:10	51S	17:45	246	18:08
2025	Dec 15	(Mon)	06:12	06:36	114	12:10	51S	17:45	246	18:09
2025	Dec 16	(Tue)	06:13	06:36	114	12:11	51S	17:46	246	18:09
2025	Dec 17	(Wed)	06:13	06:37	114	12:11	51S	17:46	246	18:10
2025	Dec 18	(Thu)	06:14	06:37	114	12:12	51S	17:47	246	18:10
2025	Dec 19	(Fri)	06:14	06:38	114	12:12	51S	17:47	246	18:11
2025	Dec 20	(Sat)	06:15	06:38	114	12:13	51S	17:48	246	18:11
2025	Dec 21	(Sun)	06:15	06:39	114	12:13	51S	17:48	246	18:11
2025	Dec 22	(Mon)	06:16	06:39	114	12:14	51S	17:49	246	18:12
2025	Dec 23	(Tue)	06:16	06:40	114	12:14	51S	17:49	246	18:12
2025	Dec 24	(Wed)	06:17	06:40	114	12:15	51S	17:50	246	18:13
2025	Dec 25	(Thu)	06:17	06:41	114	12:15	51S	17:50	246	18:14
2025	Dec 26	(Fri)	06:18	06:41	114	12:16	51S	17:51	246	18:14
2025	Dec 27	(Sat)	06:18	06:42	114	12:16	51S	17:51	246	18:15
2025	Dec 28	(Sun)	06:19	06:42	114	12:17	51S	17:52	246	18:15
2025	Dec 29	(Mon)	06:19	06:43	114	12:17	51S	17:52	246	18:16
2025	Dec 30	(Tue)	06:19	06:43	114	12:18	51S	17:53	246	18:16
2025	Dec 31	(Wed)	06:20	06:43	114	12:18	51S	17:53	246	18:17

Moon

Phetchabun

Location: E101°09'21.6", N16°25'12.0", 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	°
2025 Jan 01 (Wed)	07:54	117	13:33	49S	19:15	245
2025 Jan 02 (Thu)	08:43	113	14:28	53S	20:15	249
2025 Jan 03 (Fri)	09:29	108	15:19	58S	21:14	255
2025 Jan 04 (Sat)	10:10	101	16:08	65S	22:10	262
2025 Jan 05 (Sun)	10:50	94	16:56	71S	23:06	269
2025 Jan 06 (Mon)	11:28	87	17:43	78S		
2025 Jan 07 (Tue)	12:08	80	18:31	85S	00:02	276
2025 Jan 08 (Wed)	12:50	74	19:22	90N	00:59	283
2025 Jan 09 (Thu)	13:36	68	20:16	85N	01:58	290
2025 Jan 10 (Fri)	14:27	64	21:14	81N	03:00	295
2025 Jan 11 (Sat)	15:23	61	22:15	79N	04:05	298
2025 Jan 12 (Sun)	16:24	60	23:17	79N	05:08	300
2025 Jan 13 (Mon)	17:26	62			06:09	299
2025 Jan 14 (Tue)	18:27	65	00:16	81N	07:03	297
2025 Jan 15 (Wed)	19:25	69	01:11	84N	07:52	293
2025 Jan 16 (Thu)	20:19	75	02:01	89N	08:34	288
2025 Jan 17 (Fri)	21:09	81	02:47	87S	09:12	282
2025 Jan 18 (Sat)	21:57	87	03:30	82S	09:47	276
2025 Jan 19 (Sun)	22:43	93	04:10	76S	10:19	270
2025 Jan 20 (Mon)	23:30	99	04:49	70S	10:52	264
2025 Jan 21 (Tue)			05:29	64S	11:24	258
2025 Jan 22 (Wed)	00:17	105	06:10	58S	11:59	253
2025 Jan 23 (Thu)	01:06	110	06:53	54S	12:37	248
2025 Jan 24 (Fri)	01:58	114	07:40	50S	13:19	244
2025 Jan 25 (Sat)	02:53	118	08:31	47S	14:07	241
2025 Jan 26 (Sun)	03:50	120	09:25	45S	15:01	240
2025 Jan 27 (Mon)	04:47	120	10:22	45S	15:59	241
2025 Jan 28 (Tue)	05:42	118	11:20	47S	17:00	243
2025 Jan 29 (Wed)	06:35	115	12:17	51S	18:02	247
2025 Jan 30 (Thu)	07:23	110	13:11	56S	19:03	253
2025 Jan 31 (Fri)	08:07	104	14:02	62S	20:02	259
2025 Feb 01 (Sat)	08:48	97	14:51	69S	20:59	267
2025 Feb 02 (Sun)	09:28	89	15:40	76S	21:56	274
2025 Feb 03 (Mon)	10:08	82	16:28	83S	22:54	281
2025 Feb 04 (Tue)	10:49	75	17:19	90S	23:53	288
2025 Feb 05 (Wed)	11:34	69	18:12	86N		
2025 Feb 06 (Thu)	12:23	65	19:08	82N	00:54	293

2025 Feb 07 (Fri)	13:16 61	20:07 79N	01:57 297
2025 Feb 08 (Sat)	14:15 60	21:07 78N	03:00 300
2025 Feb 09 (Sun)	15:15 61	22:06 80N	04:00 300
2025 Feb 10 (Mon)	16:16 63	23:02 82N	04:56 298
2025 Feb 11 (Tue)	17:14 67	23:53 87N	05:45 295
2025 Feb 12 (Wed)	18:09 73		06:29 290
2025 Feb 13 (Thu)	19:00 78	00:40 90S	07:09 285
2025 Feb 14 (Fri)	19:49 84	01:24 84S	07:44 279
2025 Feb 15 (Sat)	20:36 91	02:05 78S	08:18 272
2025 Feb 16 (Sun)	21:23 97	02:45 72S	08:50 266
2025 Feb 17 (Mon)	22:10 103	03:24 66S	09:23 260
2025 Feb 18 (Tue)	22:58 108	04:05 60S	09:56 255
2025 Feb 19 (Wed)	23:49 113	04:47 55S	10:33 250
2025 Feb 20 (Thu)		05:32 51S	11:13 245
2025 Feb 21 (Fri)	00:41 116	06:20 48S	11:57 242
2025 Feb 22 (Sat)	01:36 119	07:12 46S	12:47 240
2025 Feb 23 (Sun)	02:33 120	08:07 45S	13:43 240
2025 Feb 24 (Mon)	03:28 119	09:04 46S	14:42 242
2025 Feb 25 (Tue)	04:21 117	10:01 49S	15:43 245
2025 Feb 26 (Wed)	05:11 113	10:56 53S	16:44 250
2025 Feb 27 (Thu)	05:57 107	11:49 59S	17:45 256
2025 Feb 28 (Fri)	06:40 100	12:40 66S	18:45 263
2025 Mar 01 (Sat)	07:22 93	13:30 73S	19:43 271
2025 Mar 02 (Sun)	08:03 85	14:21 81S	20:43 279
2025 Mar 03 (Mon)	08:45 78	15:12 88S	21:43 286
2025 Mar 04 (Tue)	09:30 71	16:06 87N	22:46 292
2025 Mar 05 (Wed)	10:19 66	17:03 83N	23:50 296
2025 Mar 06 (Thu)	11:12 62	18:02 79N	
2025 Mar 07 (Fri)	12:09 60	19:02 78N	00:54 299
2025 Mar 08 (Sat)	13:09 60	20:01 79N	01:55 300
2025 Mar 09 (Sun)	14:09 62	20:57 81N	02:52 299
2025 Mar 10 (Mon)	15:07 66	21:49 85N	03:43 296
2025 Mar 11 (Tue)	16:02 71	22:37 90N	04:28 292
2025 Mar 12 (Wed)	16:54 76	23:21 86S	05:08 287
2025 Mar 13 (Thu)	17:44 82		05:44 281
2025 Mar 14 (Fri)	18:31 88	00:03 80S	06:18 275
2025 Mar 15 (Sat)	19:18 95	00:42 74S	06:50 269
2025 Mar 16 (Sun)	20:04 101	01:22 68S	07:22 262
2025 Mar 17 (Mon)	20:52 106	02:02 62S	07:56 257
2025 Mar 18 (Tue)	21:42 111	02:43 57S	08:31 251
2025 Mar 19 (Wed)	22:33 115	03:27 53S	09:09 247
2025 Mar 20 (Thu)	23:27 118	04:14 49S	09:52 243
2025 Mar 21 (Fri)		05:04 46S	10:39 241
2025 Mar 22 (Sat)	00:22 120	05:57 45S	11:31 240
2025 Mar 23 (Sun)	01:16 120	06:51 45S	12:27 241
2025 Mar 24 (Mon)	02:09 118	07:47 47S	13:26 243
2025 Mar 25 (Tue)	02:59 115	08:41 51S	14:26 247
2025 Mar 26 (Wed)	03:46 110	09:34 56S	15:26 253
2025 Mar 27 (Thu)	04:30 104	10:25 62S	16:25 259
2025 Mar 28 (Fri)	05:12 97	11:16 69S	17:24 267
2025 Mar 29 (Sat)	05:53 89	12:06 77S	18:24 275
2025 Mar 30 (Sun)	06:36 81	12:58 84S	19:26 282
2025 Mar 31 (Mon)	07:20 74	13:53 90N	20:29 289
2025 Apr 01 (Tue)	08:09 68	14:50 85N	21:35 295
2025 Apr 02 (Wed)	09:03 63	15:51 80N	22:42 298
2025 Apr 03 (Thu)	10:01 61	16:53 78N	23:47 300
2025 Apr 04 (Fri)	11:02 60	17:55 78N	
2025 Apr 05 (Sat)	12:03 62	18:53 80N	00:47 299
2025 Apr 06 (Sun)	13:02 65	19:46 84N	01:40 297
2025 Apr 07 (Mon)	13:59 69	20:35 88N	02:27 293
2025 Apr 08 (Tue)	14:51 74	21:20 88S	03:08 288
2025 Apr 09 (Wed)	15:41 80	22:02 82S	03:45 283
2025 Apr 10 (Thu)	16:28 86	22:42 76S	04:19 277
2025 Apr 11 (Fri)	17:14 93	23:21 70S	04:52 271
2025 Apr 12 (Sat)	18:01 99		05:24 264
2025 Apr 13 (Sun)	18:48 104	00:00 64S	05:57 259
2025 Apr 14 (Mon)	19:37 109	00:41 59S	06:31 253

2025 Apr 15 (Tue)	20:28 114	01:24 54S	07:09 248
2025 Apr 16 (Wed)	21:21 117	02:10 50S	07:50 244
2025 Apr 17 (Thu)	22:15 119	02:59 47S	08:35 242
2025 Apr 18 (Fri)	23:09 120	03:50 45S	09:25 240
2025 Apr 19 (Sat)		04:44 45S	10:19 240
2025 Apr 20 (Sun)	00:02 119	05:38 46S	11:15 242
2025 Apr 21 (Mon)	00:52 116	06:31 49S	12:13 245
2025 Apr 22 (Tue)	01:38 112	07:23 54S	13:11 250
2025 Apr 23 (Wed)	02:22 107	08:13 59S	14:09 256
2025 Apr 24 (Thu)	03:03 100	09:03 66S	15:06 263
2025 Apr 25 (Fri)	03:43 93	09:52 73S	16:04 271
2025 Apr 26 (Sat)	04:24 85	10:42 80S	17:04 278
2025 Apr 27 (Sun)	05:08 78	11:35 88S	18:07 286
2025 Apr 28 (Mon)	05:55 71	12:32 87N	19:13 292
2025 Apr 29 (Tue)	06:47 66	13:32 82N	20:21 297
2025 Apr 30 (Wed)	07:45 62	14:36 79N	21:30 299
2025 May 01 (Thu)	08:47 60	15:41 78N	22:34 300
2025 May 02 (Fri)	09:51 61	16:43 80N	23:32 298
2025 May 03 (Sat)	10:53 63	17:40 83N	
2025 May 04 (Sun)	11:52 68	18:31 87N	00:23 294
2025 May 05 (Mon)	12:47 73	19:18 89S	01:07 290
2025 May 06 (Tue)	13:37 78	20:01 84S	01:46 284
2025 May 07 (Wed)	14:26 84	20:42 78S	02:21 279
2025 May 08 (Thu)	15:12 91	21:21 72S	02:54 272
2025 May 09 (Fri)	15:58 97	22:00 66S	03:26 266
2025 May 10 (Sat)	16:45 102	22:40 61S	03:58 260
2025 May 11 (Sun)	17:33 108	23:22 56S	04:32 255
2025 May 12 (Mon)	18:24 113		05:09 250
2025 May 13 (Tue)	19:16 116	00:07 51S	05:49 246
2025 May 14 (Wed)	20:10 119	00:55 48S	06:33 242
2025 May 15 (Thu)	21:05 120	01:46 46S	07:22 241
2025 May 16 (Fri)	21:58 119	02:40 45S	08:14 240
2025 May 17 (Sat)	22:48 117	03:33 46S	09:10 241
2025 May 18 (Sun)	23:35 114	04:26 48S	10:07 244
2025 May 19 (Mon)		05:18 52S	11:04 249
2025 May 20 (Tue)	00:18 109	06:07 57S	12:00 254
2025 May 21 (Wed)	00:59 103	06:55 63S	12:55 260
2025 May 22 (Thu)	01:38 96	07:42 70S	13:51 268
2025 May 23 (Fri)	02:17 89	08:30 77S	14:48 275
2025 May 24 (Sat)	02:58 81	09:20 84S	15:47 282
2025 May 25 (Sun)	03:42 74	10:14 90N	16:50 289
2025 May 26 (Mon)	04:31 68	11:12 85N	17:57 295
2025 May 27 (Tue)	05:26 64	12:15 81N	19:06 298
2025 May 28 (Wed)	06:27 61	13:20 79N	20:14 300
2025 May 29 (Thu)	07:32 60	14:25 79N	21:17 299
2025 May 30 (Fri)	08:37 62	15:26 81N	22:13 296
2025 May 31 (Sat)	09:39 66	16:22 85N	23:01 292
2025 Jun 01 (Sun)	10:37 71	17:12 90N	23:43 286
2025 Jun 02 (Mon)	11:31 76	17:57 86S	
2025 Jun 03 (Tue)	12:21 82	18:39 80S	00:20 280
2025 Jun 04 (Wed)	13:08 89	19:19 74S	00:54 274
2025 Jun 05 (Thu)	13:55 95	19:59 68S	01:27 268
2025 Jun 06 (Fri)	14:41 101	20:39 62S	01:59 262
2025 Jun 07 (Sat)	15:29 106	21:20 57S	02:33 257
2025 Jun 08 (Sun)	16:19 111	22:04 53S	03:08 251
2025 Jun 09 (Mon)	17:11 115	22:51 49S	03:47 247
2025 Jun 10 (Tue)	18:05 118	23:42 46S	04:30 243
2025 Jun 11 (Wed)	19:00 120		05:17 241
2025 Jun 12 (Thu)	19:54 120	00:35 45S	06:10 240
2025 Jun 13 (Fri)	20:45 118	01:29 46S	07:05 241
2025 Jun 14 (Sat)	21:33 115	02:23 48S	08:02 243
2025 Jun 15 (Sun)	22:17 110	03:15 51S	08:59 247
2025 Jun 16 (Mon)	22:58 104	04:05 56S	09:55 252
2025 Jun 17 (Tue)	23:37 98	04:53 61S	10:50 259
2025 Jun 18 (Wed)		05:39 68S	11:44 265
2025 Jun 19 (Thu)	00:15 91	06:25 75S	12:39 272
2025 Jun 20 (Fri)	00:54 84	07:13 82S	13:36 280

2025 Jun 21 (Sat)	01:35	77	08:03	88S	14:35	286
2025 Jun 22 (Sun)	02:20	71	08:57	87N	15:38	292
2025 Jun 23 (Mon)	03:11	65	09:56	82N	16:45	297
2025 Jun 24 (Tue)	04:08	62	10:59	79N	17:53	299
2025 Jun 25 (Wed)	05:11	60	12:05	79N	18:58	299
2025 Jun 26 (Thu)	06:17	61	13:08	80N	19:58	297
2025 Jun 27 (Fri)	07:21	64	14:08	83N	20:50	294
2025 Jun 28 (Sat)	08:23	69	15:01	88N	21:36	289
2025 Jun 29 (Sun)	09:20	74	15:50	88S	22:16	283
2025 Jun 30 (Mon)	10:12	80	16:34	82S	22:52	277
2025 Jul 01 (Tue)	11:02	86	17:15	76S	23:26	270
2025 Jul 02 (Wed)	11:49	93	17:55	70S	23:58	264
2025 Jul 03 (Thu)	12:36	99	18:35	64S		
2025 Jul 04 (Fri)	13:23	104	19:16	59S	00:32	258
2025 Jul 05 (Sat)	14:12	110	19:59	54S	01:06	253
2025 Jul 06 (Sun)	15:04	114	20:45	50S	01:44	248
2025 Jul 07 (Mon)	15:57	117	21:35	47S	02:25	244
2025 Jul 08 (Tue)	16:52	119	22:27	45S	03:11	242
2025 Jul 09 (Wed)	17:46	120	23:22	45S	04:02	240
2025 Jul 10 (Thu)	18:40	119			04:57	241
2025 Jul 11 (Fri)	19:30	116	00:16	47S	05:55	242
2025 Jul 12 (Sat)	20:16	112	01:10	50S	06:53	246
2025 Jul 13 (Sun)	20:58	106	02:01	54S	07:50	251
2025 Jul 14 (Mon)	21:38	100	02:50	60S	08:46	257
2025 Jul 15 (Tue)	22:16	93	03:37	66S	09:41	263
2025 Jul 16 (Wed)	22:54	86	04:24	73S	10:35	271
2025 Jul 17 (Thu)	23:34	79	05:10	80S	11:30	278
2025 Jul 18 (Fri)			05:58	87S	12:28	285
2025 Jul 19 (Sat)	00:16	72	06:50	89N	13:28	291
2025 Jul 20 (Sun)	01:04	67	07:46	84N	14:32	295
2025 Jul 21 (Mon)	01:57	63	08:46	80N	15:37	299
2025 Jul 22 (Tue)	02:56	61	09:49	79N	16:42	300
2025 Jul 23 (Wed)	03:59	60	10:52	79N	17:44	299
2025 Jul 24 (Thu)	05:04	63	11:53	81N	18:39	296
2025 Jul 25 (Fri)	06:07	66	12:49	86N	19:27	291
2025 Jul 26 (Sat)	07:06	71	13:40	91S	20:10	285
2025 Jul 27 (Sun)	08:01	77	14:26	85S	20:48	279
2025 Jul 28 (Mon)	08:52	84	15:09	79S	21:23	273
2025 Jul 29 (Tue)	09:41	90	15:50	72S	21:56	267
2025 Jul 30 (Wed)	10:29	96	16:31	66S	22:29	261
2025 Jul 31 (Thu)	11:16	102	17:12	61S	23:04	255
2025 Aug 01 (Fri)	12:05	108	17:54	56S	23:40	250
2025 Aug 02 (Sat)	12:55	112	18:39	51S		
2025 Aug 03 (Sun)	13:47	116	19:26	48S	00:20	246
2025 Aug 04 (Mon)	14:41	119	20:17	46S	01:04	242
2025 Aug 05 (Tue)	15:36	120	21:11	45S	01:53	241
2025 Aug 06 (Wed)	16:30	119	22:06	46S	02:46	240
2025 Aug 07 (Thu)	17:22	117	23:00	48S	03:43	241
2025 Aug 08 (Fri)	18:10	113	23:53	52S	04:41	244
2025 Aug 09 (Sat)	18:54	108			05:40	249
2025 Aug 10 (Sun)	19:36	102	00:44	58S	06:37	255
2025 Aug 11 (Mon)	20:15	95	01:33	64S	07:34	261
2025 Aug 12 (Tue)	20:54	88	02:20	71S	08:29	268
2025 Aug 13 (Wed)	21:33	81	03:07	78S	09:25	276
2025 Aug 14 (Thu)	22:15	74	03:56	85S	10:23	283
2025 Aug 15 (Fri)	23:01	68	04:47	90N	11:22	289
2025 Aug 16 (Sat)	23:52	64	05:41	85N	12:25	294
2025 Aug 17 (Sun)			06:39	81N	13:29	298
2025 Aug 18 (Mon)	00:48	61	07:40	79N	14:33	300
2025 Aug 19 (Tue)	01:49	60	08:42	78N	15:35	299
2025 Aug 20 (Wed)	02:52	61	09:43	80N	16:31	297
2025 Aug 21 (Thu)	03:54	65	10:39	84N	17:21	293
2025 Aug 22 (Fri)	04:54	69	11:31	89N	18:05	288
2025 Aug 23 (Sat)	05:50	75	12:19	87S	18:44	282
2025 Aug 24 (Sun)	06:42	81	13:03	81S	19:20	276
2025 Aug 25 (Mon)	07:32	88	13:45	75S	19:54	269
2025 Aug 26 (Tue)	08:21	94	14:26	69S	20:27	263

2025 Aug 27 (Wed)	09:09 100	15:07 63S	21:01 257
2025 Aug 28 (Thu)	09:57 106	15:48 58S	21:37 252
2025 Aug 29 (Fri)	10:47 111	16:32 53S	22:15 247
2025 Aug 30 (Sat)	11:38 115	17:19 49S	22:57 244
2025 Aug 31 (Sun)	12:31 118	18:08 46S	23:44 241
2025 Sep 01 (Mon)	13:25 120	19:00 45S	
2025 Sep 02 (Tue)	14:19 120	19:54 45S	00:34 240
2025 Sep 03 (Wed)	15:11 118	20:48 47S	01:29 241
2025 Sep 04 (Thu)	16:00 115	21:41 50S	02:27 243
2025 Sep 05 (Fri)	16:46 111	22:33 55S	03:25 247
2025 Sep 06 (Sat)	17:29 105	23:23 61S	04:23 252
2025 Sep 07 (Sun)	18:10 98		05:21 258
2025 Sep 08 (Mon)	18:50 91	00:12 68S	06:18 265
2025 Sep 09 (Tue)	19:30 84	01:00 75S	07:15 273
2025 Sep 10 (Wed)	20:12 77	01:49 82S	08:13 280
2025 Sep 11 (Thu)	20:58 70	02:41 89S	09:14 287
2025 Sep 12 (Fri)	21:48 65	03:35 87N	10:17 293
2025 Sep 13 (Sat)	22:43 62	04:33 82N	11:22 297
2025 Sep 14 (Sun)	23:43 60	05:34 79N	12:27 300
2025 Sep 15 (Mon)		06:36 78N	13:29 300
2025 Sep 16 (Tue)	00:45 61	07:37 79N	14:27 298
2025 Sep 17 (Wed)	01:47 63	08:34 82N	15:17 295
2025 Sep 18 (Thu)	02:47 67	09:26 87N	16:02 290
2025 Sep 19 (Fri)	03:43 73	10:15 89S	16:43 284
2025 Sep 20 (Sat)	04:36 79	10:59 83S	17:19 278
2025 Sep 21 (Sun)	05:26 85	11:41 77S	17:53 272
2025 Sep 22 (Mon)	06:14 91	12:22 71S	18:27 265
2025 Sep 23 (Tue)	07:02 98	13:03 65S	19:00 259
2025 Sep 24 (Wed)	07:50 104	13:44 60S	19:35 254
2025 Sep 25 (Thu)	08:39 109	14:27 55S	20:12 249
2025 Sep 26 (Fri)	09:30 113	15:13 50S	20:53 245
2025 Sep 27 (Sat)	10:22 117	16:01 47S	21:37 242
2025 Sep 28 (Sun)	11:16 119	16:51 46S	22:26 240
2025 Sep 29 (Mon)	12:09 120	17:43 45S	23:18 240
2025 Sep 30 (Tue)	13:01 119	18:37 46S	
2025 Oct 01 (Wed)	13:50 117	19:29 49S	00:13 242
2025 Oct 02 (Thu)	14:37 113	20:21 53S	01:10 245
2025 Oct 03 (Fri)	15:20 108	21:10 58S	02:07 249
2025 Oct 04 (Sat)	16:02 102	21:59 64S	03:04 255
2025 Oct 05 (Sun)	16:42 95	22:48 71S	04:01 262
2025 Oct 06 (Mon)	17:22 87	23:37 79S	04:58 269
2025 Oct 07 (Tue)	18:04 80		05:56 277
2025 Oct 08 (Wed)	18:49 73	00:28 86S	06:57 284
2025 Oct 09 (Thu)	19:39 67	01:23 89N	08:02 290
2025 Oct 10 (Fri)	20:34 63	02:22 84N	09:08 296
2025 Oct 11 (Sat)	21:34 60	03:24 80N	10:16 299
2025 Oct 12 (Sun)	22:38 60	04:28 78N	11:21 300
2025 Oct 13 (Mon)	23:41 62	05:31 79N	12:22 299
2025 Oct 14 (Tue)		06:30 81N	13:15 296
2025 Oct 15 (Wed)	00:42 66	07:24 85N	14:02 291
2025 Oct 16 (Thu)	01:39 71	08:13 90N	14:43 286
2025 Oct 17 (Fri)	02:32 77	08:58 85S	15:20 280
2025 Oct 18 (Sat)	03:22 83	09:40 79S	15:55 274
2025 Oct 19 (Sun)	04:11 89	10:21 73S	16:28 268
2025 Oct 20 (Mon)	04:58 96	11:01 67S	17:01 261
2025 Oct 21 (Tue)	05:46 102	11:42 61S	17:35 256
2025 Oct 22 (Wed)	06:34 107	12:24 56S	18:11 251
2025 Oct 23 (Thu)	07:24 112	13:09 52S	18:51 246
2025 Oct 24 (Fri)	08:16 116	13:56 48S	19:34 243
2025 Oct 25 (Sat)	09:09 118	14:45 46S	20:21 241
2025 Oct 26 (Sun)	10:02 120	15:37 45S	21:11 240
2025 Oct 27 (Mon)	10:54 120	16:29 46S	22:05 241
2025 Oct 28 (Tue)	11:44 118	17:21 48S	23:00 243
2025 Oct 29 (Wed)	12:30 115	18:11 51S	23:55 247
2025 Oct 30 (Thu)	13:13 110	19:00 56S	
2025 Oct 31 (Fri)	13:54 105	19:48 61S	00:50 252
2025 Nov 01 (Sat)	14:33 98	20:35 68S	01:45 258

2025 Nov 02 (Sun)	15:12 91	21:22 75S	02:40 265
2025 Nov 03 (Mon)	15:53 84	22:12 82S	03:37 273
2025 Nov 04 (Tue)	16:36 77	23:05 89S	04:36 280
2025 Nov 05 (Wed)	17:24 70		05:39 287
2025 Nov 06 (Thu)	18:18 65	00:02 86N	06:45 293
2025 Nov 07 (Fri)	19:18 61	01:05 82N	07:55 297
2025 Nov 08 (Sat)	20:23 60	02:11 79N	09:04 299
2025 Nov 09 (Sun)	21:29 62	03:17 79N	10:10 299
2025 Nov 10 (Mon)	22:33 65	04:20 80N	11:08 297
2025 Nov 11 (Tue)	23:33 70	05:18 84N	11:58 293
2025 Nov 12 (Wed)		06:09 89N	12:42 288
2025 Nov 13 (Thu)	00:28 75	06:56 87S	13:21 282
2025 Nov 14 (Fri)	01:19 81	07:40 81S	13:56 276
2025 Nov 15 (Sat)	02:08 88	08:21 75S	14:30 269
2025 Nov 16 (Sun)	02:56 94	09:01 69S	15:03 263
2025 Nov 17 (Mon)	03:43 100	09:41 63S	15:36 257
2025 Nov 18 (Tue)	04:31 105	10:23 58S	16:12 252
2025 Nov 19 (Wed)	05:20 110	11:06 53S	16:50 248
2025 Nov 20 (Thu)	06:12 114	11:53 50S	17:32 244
2025 Nov 21 (Fri)	07:04 118	12:42 47S	18:18 241
2025 Nov 22 (Sat)	07:57 119	13:33 46S	19:07 240
2025 Nov 23 (Sun)	08:50 120	14:25 46S	20:00 241
2025 Nov 24 (Mon)	09:40 118	15:16 47S	20:54 243
2025 Nov 25 (Tue)	10:27 116	16:07 50S	21:49 246
2025 Nov 26 (Wed)	11:10 112	16:55 54S	22:43 251
2025 Nov 27 (Thu)	11:51 107	17:42 59S	23:36 256
2025 Nov 28 (Fri)	12:29 101	18:27 65S	
2025 Nov 29 (Sat)	13:06 94	19:12 72S	00:29 262
2025 Nov 30 (Sun)	13:45 87	19:59 79S	01:23 269
2025 Dec 01 (Mon)	14:25 80	20:49 86S	02:18 277
2025 Dec 02 (Tue)	15:09 73	21:42 89N	03:17 284
2025 Dec 03 (Wed)	15:59 67	22:41 84N	04:20 290
2025 Dec 04 (Thu)	16:56 63	23:46 80N	05:28 295
2025 Dec 05 (Fri)	17:59 61		06:38 299
2025 Dec 06 (Sat)	19:07 61	00:53 79N	07:48 300
2025 Dec 07 (Sun)	20:15 63	02:00 79N	08:51 298
2025 Dec 08 (Mon)	21:19 68	03:03 82N	09:48 295
2025 Dec 09 (Tue)	22:18 73	03:59 87N	10:36 290
2025 Dec 10 (Wed)	23:13 79	04:50 89S	11:18 284
2025 Dec 11 (Thu)		05:36 83S	11:55 278
2025 Dec 12 (Fri)	00:04 86	06:19 77S	12:30 271
2025 Dec 13 (Sat)	00:52 92	07:00 71S	13:04 265
2025 Dec 14 (Sun)	01:40 98	07:40 65S	13:37 259
2025 Dec 15 (Mon)	02:27 104	08:21 59S	14:12 254
2025 Dec 16 (Tue)	03:16 109	09:04 55S	14:49 249
2025 Dec 17 (Wed)	04:07 113	09:49 51S	15:30 245
2025 Dec 18 (Thu)	04:59 117	10:37 48S	16:14 242
2025 Dec 19 (Fri)	05:52 119	11:28 46S	17:03 241
2025 Dec 20 (Sat)	06:45 120	12:20 45S	17:55 241
2025 Dec 21 (Sun)	07:37 119	13:13 47S	18:50 242
2025 Dec 22 (Mon)	08:25 116	14:04 49S	19:45 245
2025 Dec 23 (Tue)	09:09 113	14:53 53S	20:39 249
2025 Dec 24 (Wed)	09:50 108	15:40 58S	21:32 255
2025 Dec 25 (Thu)	10:29 102	16:25 63S	22:24 261
2025 Dec 26 (Fri)	11:06 96	17:09 70S	23:16 267
2025 Dec 27 (Sat)	11:42 89	17:54 76S	
2025 Dec 28 (Sun)	12:20 83	18:40 83S	00:09 274
2025 Dec 29 (Mon)	13:01 76	19:30 89S	01:05 281
2025 Dec 30 (Tue)	13:46 70	20:24 86N	02:03 287
2025 Dec 31 (Wed)	14:38 65	21:24 82N	03:07 293