

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
2024	Jan	01 (Mon)	05:53	06:43	114	12:19 51S	17:54 246		18:44
2024	Jan	02 (Tue)	05:54	06:44	114	12:19 51S	17:54 246		18:45
2024	Jan	03 (Wed)	05:54	06:44	114	12:20 51S	17:55 246		18:45
2024	Jan	04 (Thu)	05:54	06:45	114	12:20 52S	17:55 246		18:46
2024	Jan	05 (Fri)	05:55	06:45	113	12:20 52S	17:56 247		18:46
2024	Jan	06 (Sat)	05:55	06:45	113	12:21 52S	17:57 247		18:47
2024	Jan	07 (Sun)	05:55	06:45	113	12:21 52S	17:57 247		18:47
2024	Jan	08 (Mon)	05:56	06:46	113	12:22 52S	17:58 247		18:48
2024	Jan	09 (Tue)	05:56	06:46	113	12:22 52S	17:59 247		18:48
2024	Jan	10 (Wed)	05:56	06:46	113	12:23 52S	17:59 247		18:49
2024	Jan	11 (Thu)	05:56	06:46	113	12:23 52S	18:00 247		18:50
2024	Jan	12 (Fri)	05:57	06:47	112	12:23 53S	18:00 248		18:50
2024	Jan	13 (Sat)	05:57	06:47	112	12:24 53S	18:01 248		18:51
2024	Jan	14 (Sun)	05:57	06:47	112	12:24 53S	18:02 248		18:51
2024	Jan	15 (Mon)	05:57	06:47	112	12:25 53S	18:02 248		18:52
2024	Jan	16 (Tue)	05:58	06:47	112	12:25 53S	18:03 248		18:52
2024	Jan	17 (Wed)	05:58	06:47	112	12:25 53S	18:03 249		18:53
2024	Jan	18 (Thu)	05:58	06:47	111	12:26 54S	18:04 249		18:53
2024	Jan	19 (Fri)	05:58	06:47	111	12:26 54S	18:05 249		18:54
2024	Jan	20 (Sat)	05:58	06:47	111	12:26 54S	18:05 249		18:54
2024	Jan	21 (Sun)	05:58	06:47	111	12:26 54S	18:06 249		18:55
2024	Jan	22 (Mon)	05:58	06:47	110	12:27 54S	18:06 250		18:55
2024	Jan	23 (Tue)	05:58	06:47	110	12:27 55S	18:07 250		18:56
2024	Jan	24 (Wed)	05:58	06:47	110	12:27 55S	18:07 250		18:56
2024	Jan	25 (Thu)	05:58	06:47	110	12:28 55S	18:08 250		18:57
2024	Jan	26 (Fri)	05:58	06:47	109	12:28 55S	18:08 251		18:57
2024	Jan	27 (Sat)	05:58	06:47	109	12:28 56S	18:09 251		18:58
2024	Jan	28 (Sun)	05:58	06:47	109	12:28 56S	18:10 251		18:58
2024	Jan	29 (Mon)	05:58	06:47	109	12:28 56S	18:10 251		18:59
2024	Jan	30 (Tue)	05:58	06:47	108	12:29 56S	18:11 252		18:59
2024	Jan	31 (Wed)	05:58	06:46	108	12:29 57S	18:11 252		19:00
2024	Feb	01 (Thu)	05:58	06:46	108	12:29 57S	18:12 252		19:00
2024	Feb	02 (Fri)	05:58	06:46	108	12:29 57S	18:12 253		19:00
2024	Feb	03 (Sat)	05:57	06:46	107	12:29 58S	18:13 253		19:01
2024	Feb	04 (Sun)	05:57	06:45	107	12:29 58S	18:13 253		19:01
2024	Feb	05 (Mon)	05:57	06:45	107	12:29 58S	18:14 254		19:02
2024	Feb	06 (Tue)	05:57	06:45	106	12:29 59S	18:14 254		19:02
2024	Feb	07 (Wed)	05:57	06:45	106	12:29 59S	18:14 254		19:02
2024	Feb	08 (Thu)	05:56	06:44	106	12:29 59S	18:15 255		19:03
2024	Feb	09 (Fri)	05:56	06:44	105	12:30 59S	18:15 255		19:03
2024	Feb	10 (Sat)	05:56	06:44	105	12:30 60S	18:16 255		19:04
2024	Feb	11 (Sun)	05:55	06:43	105	12:30 60S	18:16 256		19:04
2024	Feb	12 (Mon)	05:55	06:43	104	12:30 60S	18:17 256		19:04
2024	Feb	13 (Tue)	05:55	06:42	104	12:30 61S	18:17 256		19:05
2024	Feb	14 (Wed)	05:54	06:42	104	12:30 61S	18:17 257		19:05
2024	Feb	15 (Thu)	05:54	06:41	103	12:30 61S	18:18 257		19:05
2024	Feb	16 (Fri)	05:54	06:41	103	12:29 62S	18:18 257		19:06
2024	Feb	17 (Sat)	05:53	06:41	103	12:29 62S	18:18 258		19:06
2024	Feb	18 (Sun)	05:53	06:40	102	12:29 62S	18:19 258		19:06
2024	Feb	19 (Mon)	05:52	06:40	102	12:29 63S	18:19 258		19:06
2024	Feb	20 (Tue)	05:52	06:39	101	12:29 63S	18:20 259		19:07
2024	Feb	21 (Wed)	05:51	06:38	101	12:29 64S	18:20 259		19:07
2024	Feb	22 (Thu)	05:51	06:38	101	12:29 64S	18:20 260		19:07
2024	Feb	23 (Fri)	05:50	06:37	100	12:29 64S	18:20 260		19:08
2024	Feb	24 (Sat)	05:50	06:37	100	12:29 65S	18:21 260		19:08

2024	Feb	25	(Sun)	05:49	06:36	100	12:29	65S	18:21	261	19:08
2024	Feb	26	(Mon)	05:49	06:36	99	12:28	65S	18:21	261	19:08
2024	Feb	27	(Tue)	05:48	06:35	99	12:28	66S	18:22	261	19:09
2024	Feb	28	(Wed)	05:47	06:34	98	12:28	66S	18:22	262	19:09
2024	Feb	29	(Thu)	05:47	06:34	98	12:28	67S	18:22	262	19:09
2024	Mar	01	(Fri)	05:46	06:33	98	12:28	67S	18:22	263	19:09
2024	Mar	02	(Sat)	05:46	06:32	97	12:27	67S	18:23	263	19:09
2024	Mar	03	(Sun)	05:45	06:32	97	12:27	68S	18:23	263	19:10
2024	Mar	04	(Mon)	05:44	06:31	96	12:27	68S	18:23	264	19:10
2024	Mar	05	(Tue)	05:44	06:30	96	12:27	68S	18:23	264	19:10
2024	Mar	06	(Wed)	05:43	06:30	96	12:27	69S	18:24	265	19:10
2024	Mar	07	(Thu)	05:42	06:29	95	12:26	69S	18:24	265	19:10
2024	Mar	08	(Fri)	05:42	06:28	95	12:26	70S	18:24	265	19:11
2024	Mar	09	(Sat)	05:41	06:28	94	12:26	70S	18:24	266	19:11
2024	Mar	10	(Sun)	05:40	06:27	94	12:26	70S	18:24	266	19:11
2024	Mar	11	(Mon)	05:40	06:26	94	12:25	71S	18:25	267	19:11
2024	Mar	12	(Tue)	05:39	06:25	93	12:25	71S	18:25	267	19:11
2024	Mar	13	(Wed)	05:38	06:25	93	12:25	72S	18:25	268	19:12
2024	Mar	14	(Thu)	05:37	06:24	92	12:25	72S	18:25	268	19:12
2024	Mar	15	(Fri)	05:37	06:23	92	12:24	72S	18:25	268	19:12
2024	Mar	16	(Sat)	05:36	06:22	91	12:24	73S	18:26	269	19:12
2024	Mar	17	(Sun)	05:35	06:22	91	12:24	73S	18:26	269	19:12
2024	Mar	18	(Mon)	05:34	06:21	91	12:23	74S	18:26	270	19:13
2024	Mar	19	(Tue)	05:34	06:20	90	12:23	74S	18:26	270	19:13
2024	Mar	20	(Wed)	05:33	06:19	90	12:23	74S	18:26	270	19:13
2024	Mar	21	(Thu)	05:32	06:19	89	12:22	75S	18:26	271	19:13
2024	Mar	22	(Fri)	05:31	06:18	89	12:22	75S	18:27	271	19:13
2024	Mar	23	(Sat)	05:31	06:17	89	12:22	76S	18:27	272	19:13
2024	Mar	24	(Sun)	05:30	06:16	88	12:22	76S	18:27	272	19:14
2024	Mar	25	(Mon)	05:29	06:16	88	12:21	76S	18:27	272	19:14
2024	Mar	26	(Tue)	05:28	06:15	87	12:21	77S	18:27	273	19:14
2024	Mar	27	(Wed)	05:27	06:14	87	12:21	77S	18:27	273	19:14
2024	Mar	28	(Thu)	05:27	06:13	87	12:20	77S	18:28	274	19:14
2024	Mar	29	(Fri)	05:26	06:13	86	12:20	78S	18:28	274	19:15
2024	Mar	30	(Sat)	05:25	06:12	86	12:20	78S	18:28	274	19:15
2024	Mar	31	(Sun)	05:24	06:11	85	12:19	79S	18:28	275	19:15
2024	Apr	01	(Mon)	05:23	06:10	85	12:19	79S	18:28	275	19:15
2024	Apr	02	(Tue)	05:23	06:10	85	12:19	79S	18:28	276	19:15
2024	Apr	03	(Wed)	05:22	06:09	84	12:19	80S	18:29	276	19:16
2024	Apr	04	(Thu)	05:21	06:08	84	12:18	80S	18:29	276	19:16
2024	Apr	05	(Fri)	05:20	06:07	83	12:18	81S	18:29	277	19:16
2024	Apr	06	(Sat)	05:19	06:07	83	12:18	81S	18:29	277	19:16
2024	Apr	07	(Sun)	05:19	06:06	83	12:17	81S	18:29	278	19:17
2024	Apr	08	(Mon)	05:18	06:05	82	12:17	82S	18:29	278	19:17
2024	Apr	09	(Tue)	05:17	06:04	82	12:17	82S	18:30	278	19:17
2024	Apr	10	(Wed)	05:16	06:04	81	12:17	82S	18:30	279	19:17
2024	Apr	11	(Thu)	05:16	06:03	81	12:16	83S	18:30	279	19:17
2024	Apr	12	(Fri)	05:15	06:02	81	12:16	83S	18:30	280	19:18
2024	Apr	13	(Sat)	05:14	06:02	80	12:16	84S	18:30	280	19:18
2024	Apr	14	(Sun)	05:13	06:01	80	12:16	84S	18:31	280	19:18
2024	Apr	15	(Mon)	05:13	06:00	79	12:15	84S	18:31	281	19:18
2024	Apr	16	(Tue)	05:12	06:00	79	12:15	85S	18:31	281	19:19
2024	Apr	17	(Wed)	05:11	05:59	79	12:15	85S	18:31	281	19:19
2024	Apr	18	(Thu)	05:10	05:58	78	12:15	85S	18:31	282	19:19
2024	Apr	19	(Fri)	05:10	05:58	78	12:14	86S	18:32	282	19:20
2024	Apr	20	(Sat)	05:09	05:57	78	12:14	86S	18:32	283	19:20
2024	Apr	21	(Sun)	05:08	05:56	77	12:14	86S	18:32	283	19:20
2024	Apr	22	(Mon)	05:07	05:56	77	12:14	87S	18:32	283	19:21
2024	Apr	23	(Tue)	05:07	05:55	77	12:14	87S	18:33	284	19:21
2024	Apr	24	(Wed)	05:06	05:54	76	12:13	87S	18:33	284	19:21
2024	Apr	25	(Thu)	05:05	05:54	76	12:13	88S	18:33	284	19:21
2024	Apr	26	(Fri)	05:05	05:53	76	12:13	88S	18:33	285	19:22
2024	Apr	27	(Sat)	05:04	05:53	75	12:13	88S	18:33	285	19:22
2024	Apr	28	(Sun)	05:03	05:52	75	12:13	89S	18:34	285	19:22
2024	Apr	29	(Mon)	05:03	05:52	75	12:13	89S	18:34	286	19:23
2024	Apr	30	(Tue)	05:02	05:51	74	12:13	89S	18:34	286	19:23
2024	May	01	(Wed)	05:02	05:51	74	12:12	90S	18:35	286	19:24

2024	May	02	(Thu)	05:01	05:50	74	12:12	90S	18:35	287	19:24
2024	May	03	(Fri)	05:00	05:50	73	12:12	90S	18:35	287	19:24
2024	May	04	(Sat)	05:00	05:49	73	12:12	90S	18:35	287	19:25
2024	May	05	(Sun)	04:59	05:49	73	12:12	91S	18:36	287	19:25
2024	May	06	(Mon)	04:59	05:48	72	12:12	90N	18:36	288	19:25
2024	May	07	(Tue)	04:58	05:48	72	12:12	90N	18:36	288	19:26
2024	May	08	(Wed)	04:58	05:47	72	12:12	90N	18:37	288	19:26
2024	May	09	(Thu)	04:57	05:47	72	12:12	90N	18:37	289	19:27
2024	May	10	(Fri)	04:57	05:47	71	12:12	89N	18:37	289	19:27
2024	May	11	(Sat)	04:56	05:46	71	12:12	89N	18:37	289	19:27
2024	May	12	(Sun)	04:56	05:46	71	12:12	89N	18:38	289	19:28
2024	May	13	(Mon)	04:55	05:46	70	12:12	89N	18:38	290	19:28
2024	May	14	(Tue)	04:55	05:45	70	12:12	88N	18:38	290	19:29
2024	May	15	(Wed)	04:55	05:45	70	12:12	88N	18:39	290	19:29
2024	May	16	(Thu)	04:54	05:45	70	12:12	88N	18:39	290	19:30
2024	May	17	(Fri)	04:54	05:44	69	12:12	88N	18:39	291	19:30
2024	May	18	(Sat)	04:54	05:44	69	12:12	87N	18:40	291	19:30
2024	May	19	(Sun)	04:53	05:44	69	12:12	87N	18:40	291	19:31
2024	May	20	(Mon)	04:53	05:44	69	12:12	87N	18:40	291	19:31
2024	May	21	(Tue)	04:53	05:43	69	12:12	87N	18:41	292	19:32
2024	May	22	(Wed)	04:52	05:43	68	12:12	87N	18:41	292	19:32
2024	May	23	(Thu)	04:52	05:43	68	12:12	86N	18:42	292	19:32
2024	May	24	(Fri)	04:52	05:43	68	12:12	86N	18:42	292	19:33
2024	May	25	(Sat)	04:52	05:43	68	12:12	86N	18:42	292	19:33
2024	May	26	(Sun)	04:51	05:43	68	12:12	86N	18:43	292	19:34
2024	May	27	(Mon)	04:51	05:42	67	12:13	86N	18:43	293	19:34
2024	May	28	(Tue)	04:51	05:42	67	12:13	86N	18:43	293	19:35
2024	May	29	(Wed)	04:51	05:42	67	12:13	85N	18:44	293	19:35
2024	May	30	(Thu)	04:51	05:42	67	12:13	85N	18:44	293	19:35
2024	May	31	(Fri)	04:51	05:42	67	12:13	85N	18:44	293	19:36
2024	Jun	01	(Sat)	04:50	05:42	67	12:13	85N	18:45	293	19:36
2024	Jun	02	(Sun)	04:50	05:42	67	12:13	85N	18:45	294	19:37
2024	Jun	03	(Mon)	04:50	05:42	66	12:14	85N	18:45	294	19:37
2024	Jun	04	(Tue)	04:50	05:42	66	12:14	85N	18:46	294	19:37
2024	Jun	05	(Wed)	04:50	05:42	66	12:14	85N	18:46	294	19:38
2024	Jun	06	(Thu)	04:50	05:42	66	12:14	84N	18:46	294	19:38
2024	Jun	07	(Fri)	04:50	05:42	66	12:14	84N	18:47	294	19:39
2024	Jun	08	(Sat)	04:50	05:42	66	12:15	84N	18:47	294	19:39
2024	Jun	09	(Sun)	04:50	05:42	66	12:15	84N	18:47	294	19:39
2024	Jun	10	(Mon)	04:50	05:42	66	12:15	84N	18:48	294	19:40
2024	Jun	11	(Tue)	04:50	05:42	66	12:15	84N	18:48	294	19:40
2024	Jun	12	(Wed)	04:50	05:43	66	12:15	84N	18:48	295	19:40
2024	Jun	13	(Thu)	04:51	05:43	65	12:16	84N	18:48	295	19:41
2024	Jun	14	(Fri)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2024	Jun	15	(Sat)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2024	Jun	16	(Sun)	04:51	05:43	65	12:16	84N	18:49	295	19:41
2024	Jun	17	(Mon)	04:51	05:43	65	12:16	84N	18:50	295	19:42
2024	Jun	18	(Tue)	04:51	05:43	65	12:17	84N	18:50	295	19:42
2024	Jun	19	(Wed)	04:51	05:44	65	12:17	84N	18:50	295	19:42
2024	Jun	20	(Thu)	04:52	05:44	65	12:17	84N	18:50	295	19:42
2024	Jun	21	(Fri)	04:52	05:44	65	12:17	84N	18:50	295	19:43
2024	Jun	22	(Sat)	04:52	05:44	65	12:17	84N	18:51	295	19:43
2024	Jun	23	(Sun)	04:52	05:44	65	12:18	84N	18:51	295	19:43
2024	Jun	24	(Mon)	04:53	05:45	65	12:18	84N	18:51	295	19:43
2024	Jun	25	(Tue)	04:53	05:45	65	12:18	84N	18:51	295	19:43
2024	Jun	26	(Wed)	04:53	05:45	65	12:18	84N	18:51	295	19:44
2024	Jun	27	(Thu)	04:53	05:46	65	12:19	84N	18:52	295	19:44
2024	Jun	28	(Fri)	04:54	05:46	65	12:19	84N	18:52	295	19:44
2024	Jun	29	(Sat)	04:54	05:46	65	12:19	84N	18:52	295	19:44
2024	Jun	30	(Sun)	04:54	05:46	66	12:19	84N	18:52	294	19:44
2024	Jul	01	(Mon)	04:55	05:47	66	12:19	84N	18:52	294	19:44
2024	Jul	02	(Tue)	04:55	05:47	66	12:20	84N	18:52	294	19:44
2024	Jul	03	(Wed)	04:55	05:47	66	12:20	84N	18:52	294	19:44
2024	Jul	04	(Thu)	04:56	05:48	66	12:20	84N	18:52	294	19:44
2024	Jul	05	(Fri)	04:56	05:48	66	12:20	84N	18:52	294	19:44
2024	Jul	06	(Sat)	04:56	05:48	66	12:20	84N	18:52	294	19:44
2024	Jul	07	(Sun)	04:57	05:48	66	12:20	85N	18:52	294	19:44

2024	Jul	08	(Mon)	04:57	05:49	66	12:21	85N	18:52	294	19:44
2024	Jul	09	(Tue)	04:57	05:49	66	12:21	85N	18:52	294	19:44
2024	Jul	10	(Wed)	04:58	05:49	67	12:21	85N	18:52	293	19:44
2024	Jul	11	(Thu)	04:58	05:50	67	12:21	85N	18:52	293	19:44
2024	Jul	12	(Fri)	04:59	05:50	67	12:21	85N	18:52	293	19:43
2024	Jul	13	(Sat)	04:59	05:50	67	12:21	85N	18:52	293	19:43
2024	Jul	14	(Sun)	04:59	05:51	67	12:21	86N	18:52	293	19:43
2024	Jul	15	(Mon)	05:00	05:51	67	12:21	86N	18:52	293	19:43
2024	Jul	16	(Tue)	05:00	05:51	67	12:22	86N	18:52	292	19:43
2024	Jul	17	(Wed)	05:00	05:52	68	12:22	86N	18:51	292	19:43
2024	Jul	18	(Thu)	05:01	05:52	68	12:22	86N	18:51	292	19:42
2024	Jul	19	(Fri)	05:01	05:52	68	12:22	86N	18:51	292	19:42
2024	Jul	20	(Sat)	05:02	05:53	68	12:22	87N	18:51	292	19:42
2024	Jul	21	(Sun)	05:02	05:53	68	12:22	87N	18:51	291	19:41
2024	Jul	22	(Mon)	05:02	05:53	69	12:22	87N	18:50	291	19:41
2024	Jul	23	(Tue)	05:03	05:54	69	12:22	87N	18:50	291	19:41
2024	Jul	24	(Wed)	05:03	05:54	69	12:22	87N	18:50	291	19:40
2024	Jul	25	(Thu)	05:04	05:54	69	12:22	88N	18:50	291	19:40
2024	Jul	26	(Fri)	05:04	05:54	70	12:22	88N	18:49	290	19:40
2024	Jul	27	(Sat)	05:04	05:55	70	12:22	88N	18:49	290	19:39
2024	Jul	28	(Sun)	05:05	05:55	70	12:22	88N	18:49	290	19:39
2024	Jul	29	(Mon)	05:05	05:55	70	12:22	89N	18:48	290	19:38
2024	Jul	30	(Tue)	05:06	05:56	70	12:22	89N	18:48	289	19:38
2024	Jul	31	(Wed)	05:06	05:56	71	12:22	89N	18:47	289	19:37
2024	Aug	01	(Thu)	05:06	05:56	71	12:22	89N	18:47	289	19:37
2024	Aug	02	(Fri)	05:07	05:56	71	12:22	90N	18:47	289	19:36
2024	Aug	03	(Sat)	05:07	05:57	72	12:22	90N	18:46	288	19:36
2024	Aug	04	(Sun)	05:07	05:57	72	12:21	90N	18:46	288	19:35
2024	Aug	05	(Mon)	05:08	05:57	72	12:21	90N	18:45	288	19:35
2024	Aug	06	(Tue)	05:08	05:57	72	12:21	91N	18:45	287	19:34
2024	Aug	07	(Wed)	05:08	05:58	73	12:21	91S	18:44	287	19:34
2024	Aug	08	(Thu)	05:09	05:58	73	12:21	90S	18:44	287	19:33
2024	Aug	09	(Fri)	05:09	05:58	73	12:21	90S	18:43	287	19:32
2024	Aug	10	(Sat)	05:09	05:58	74	12:21	90S	18:43	286	19:32
2024	Aug	11	(Sun)	05:10	05:59	74	12:21	89S	18:42	286	19:31
2024	Aug	12	(Mon)	05:10	05:59	74	12:20	89S	18:42	286	19:31
2024	Aug	13	(Tue)	05:10	05:59	75	12:20	89S	18:41	285	19:30
2024	Aug	14	(Wed)	05:11	05:59	75	12:20	88S	18:41	285	19:29
2024	Aug	15	(Thu)	05:11	06:00	75	12:20	88S	18:40	285	19:29
2024	Aug	16	(Fri)	05:11	06:00	75	12:20	88S	18:39	284	19:28
2024	Aug	17	(Sat)	05:11	06:00	76	12:19	88S	18:39	284	19:27
2024	Aug	18	(Sun)	05:12	06:00	76	12:19	87S	18:38	284	19:26
2024	Aug	19	(Mon)	05:12	06:00	77	12:19	87S	18:37	283	19:26
2024	Aug	20	(Tue)	05:12	06:00	77	12:19	87S	18:37	283	19:25
2024	Aug	21	(Wed)	05:12	06:01	77	12:18	86S	18:36	283	19:24
2024	Aug	22	(Thu)	05:13	06:01	78	12:18	86S	18:35	282	19:23
2024	Aug	23	(Fri)	05:13	06:01	78	12:18	86S	18:35	282	19:23
2024	Aug	24	(Sat)	05:13	06:01	78	12:18	85S	18:34	282	19:22
2024	Aug	25	(Sun)	05:13	06:01	79	12:17	85S	18:33	281	19:21
2024	Aug	26	(Mon)	05:14	06:01	79	12:17	85S	18:33	281	19:20
2024	Aug	27	(Tue)	05:14	06:02	79	12:17	84S	18:32	280	19:20
2024	Aug	28	(Wed)	05:14	06:02	80	12:17	84S	18:31	280	19:19
2024	Aug	29	(Thu)	05:14	06:02	80	12:16	83S	18:30	280	19:18
2024	Aug	30	(Fri)	05:14	06:02	80	12:16	83S	18:30	279	19:17
2024	Aug	31	(Sat)	05:15	06:02	81	12:16	83S	18:29	279	19:16
2024	Sep	01	(Sun)	05:15	06:02	81	12:15	82S	18:28	279	19:16
2024	Sep	02	(Mon)	05:15	06:02	82	12:15	82S	18:27	278	19:15
2024	Sep	03	(Tue)	05:15	06:02	82	12:15	82S	18:27	278	19:14
2024	Sep	04	(Wed)	05:15	06:03	82	12:14	81S	18:26	277	19:13
2024	Sep	05	(Thu)	05:15	06:03	83	12:14	81S	18:25	277	19:12
2024	Sep	06	(Fri)	05:16	06:03	83	12:14	81S	18:24	277	19:11
2024	Sep	07	(Sat)	05:16	06:03	84	12:13	80S	18:24	276	19:11
2024	Sep	08	(Sun)	05:16	06:03	84	12:13	80S	18:23	276	19:10
2024	Sep	09	(Mon)	05:16	06:03	84	12:13	79S	18:22	275	19:09
2024	Sep	10	(Tue)	05:16	06:03	85	12:12	79S	18:21	275	19:08
2024	Sep	11	(Wed)	05:16	06:03	85	12:12	79S	18:20	275	19:07
2024	Sep	12	(Thu)	05:17	06:03	85	12:12	78S	18:20	274	19:06

2024	Sep	13	(Fri)	05:17	06:03	86	12:11	78S	18:19	274	19:06
2024	Sep	14	(Sat)	05:17	06:04	86	12:11	78S	18:18	273	19:05
2024	Sep	15	(Sun)	05:17	06:04	87	12:11	77S	18:17	273	19:04
2024	Sep	16	(Mon)	05:17	06:04	87	12:10	77S	18:16	273	19:03
2024	Sep	17	(Tue)	05:17	06:04	88	12:10	76S	18:15	272	19:02
2024	Sep	18	(Wed)	05:17	06:04	88	12:09	76S	18:15	272	19:01
2024	Sep	19	(Thu)	05:17	06:04	88	12:09	76S	18:14	271	19:00
2024	Sep	20	(Fri)	05:18	06:04	89	12:09	75S	18:13	271	19:00
2024	Sep	21	(Sat)	05:18	06:04	89	12:08	75S	18:12	271	18:59
2024	Sep	22	(Sun)	05:18	06:04	90	12:08	74S	18:11	270	18:58
2024	Sep	23	(Mon)	05:18	06:04	90	12:08	74S	18:11	270	18:57
2024	Sep	24	(Tue)	05:18	06:05	90	12:07	74S	18:10	269	18:56
2024	Sep	25	(Wed)	05:18	06:05	91	12:07	73S	18:09	269	18:56
2024	Sep	26	(Thu)	05:18	06:05	91	12:07	73S	18:08	269	18:55
2024	Sep	27	(Fri)	05:18	06:05	92	12:06	72S	18:07	268	18:54
2024	Sep	28	(Sat)	05:18	06:05	92	12:06	72S	18:07	268	18:53
2024	Sep	29	(Sun)	05:19	06:05	92	12:06	72S	18:06	267	18:52
2024	Sep	30	(Mon)	05:19	06:05	93	12:05	71S	18:05	267	18:52
2024	Oct	01	(Tue)	05:19	06:05	93	12:05	71S	18:04	267	18:51
2024	Oct	02	(Wed)	05:19	06:06	94	12:05	71S	18:03	266	18:50
2024	Oct	03	(Thu)	05:19	06:06	94	12:04	70S	18:03	266	18:49
2024	Oct	04	(Fri)	05:19	06:06	94	12:04	70S	18:02	265	18:49
2024	Oct	05	(Sat)	05:19	06:06	95	12:04	69S	18:01	265	18:48
2024	Oct	06	(Sun)	05:20	06:06	95	12:03	69S	18:00	265	18:47
2024	Oct	07	(Mon)	05:20	06:06	96	12:03	69S	18:00	264	18:46
2024	Oct	08	(Tue)	05:20	06:07	96	12:03	68S	17:59	264	18:46
2024	Oct	09	(Wed)	05:20	06:07	96	12:03	68S	17:58	263	18:45
2024	Oct	10	(Thu)	05:20	06:07	97	12:02	67S	17:58	263	18:44
2024	Oct	11	(Fri)	05:20	06:07	97	12:02	67S	17:57	263	18:44
2024	Oct	12	(Sat)	05:20	06:07	98	12:02	67S	17:56	262	18:43
2024	Oct	13	(Sun)	05:21	06:07	98	12:02	66S	17:55	262	18:42
2024	Oct	14	(Mon)	05:21	06:08	98	12:01	66S	17:55	261	18:42
2024	Oct	15	(Tue)	05:21	06:08	99	12:01	66S	17:54	261	18:41
2024	Oct	16	(Wed)	05:21	06:08	99	12:01	65S	17:53	261	18:40
2024	Oct	17	(Thu)	05:21	06:08	99	12:01	65S	17:53	260	18:40
2024	Oct	18	(Fri)	05:21	06:09	100	12:00	64S	17:52	260	18:39
2024	Oct	19	(Sat)	05:22	06:09	100	12:00	64S	17:52	260	18:39
2024	Oct	20	(Sun)	05:22	06:09	101	12:00	64S	17:51	259	18:38
2024	Oct	21	(Mon)	05:22	06:09	101	12:00	63S	17:50	259	18:38
2024	Oct	22	(Tue)	05:22	06:10	101	12:00	63S	17:50	258	18:37
2024	Oct	23	(Wed)	05:23	06:10	102	12:00	63S	17:49	258	18:37
2024	Oct	24	(Thu)	05:23	06:10	102	12:00	62S	17:49	258	18:36
2024	Oct	25	(Fri)	05:23	06:10	102	11:59	62S	17:48	257	18:36
2024	Oct	26	(Sat)	05:23	06:11	103	11:59	62S	17:48	257	18:35
2024	Oct	27	(Sun)	05:24	06:11	103	11:59	61S	17:47	257	18:35
2024	Oct	28	(Mon)	05:24	06:11	104	11:59	61S	17:47	256	18:34
2024	Oct	29	(Tue)	05:24	06:12	104	11:59	61S	17:46	256	18:34
2024	Oct	30	(Wed)	05:24	06:12	104	11:59	60S	17:46	256	18:33
2024	Oct	31	(Thu)	05:25	06:12	105	11:59	60S	17:45	255	18:33
2024	Nov	01	(Fri)	05:25	06:13	105	11:59	60S	17:45	255	18:33
2024	Nov	02	(Sat)	05:25	06:13	105	11:59	59S	17:44	255	18:32
2024	Nov	03	(Sun)	05:26	06:14	106	11:59	59S	17:44	254	18:32
2024	Nov	04	(Mon)	05:26	06:14	106	11:59	59S	17:44	254	18:32
2024	Nov	05	(Tue)	05:26	06:14	106	11:59	58S	17:43	254	18:31
2024	Nov	06	(Wed)	05:27	06:15	106	11:59	58S	17:43	253	18:31
2024	Nov	07	(Thu)	05:27	06:15	107	11:59	58S	17:43	253	18:31
2024	Nov	08	(Fri)	05:27	06:16	107	11:59	58S	17:42	253	18:31
2024	Nov	09	(Sat)	05:28	06:16	107	11:59	57S	17:42	252	18:31
2024	Nov	10	(Sun)	05:28	06:17	108	11:59	57S	17:42	252	18:30
2024	Nov	11	(Mon)	05:28	06:17	108	11:59	57S	17:42	252	18:30
2024	Nov	12	(Tue)	05:29	06:18	108	12:00	56S	17:41	252	18:30
2024	Nov	13	(Wed)	05:29	06:18	109	12:00	56S	17:41	251	18:30
2024	Nov	14	(Thu)	05:30	06:18	109	12:00	56S	17:41	251	18:30
2024	Nov	15	(Fri)	05:30	06:19	109	12:00	56S	17:41	251	18:30
2024	Nov	16	(Sat)	05:31	06:19	109	12:00	55S	17:41	251	18:30
2024	Nov	17	(Sun)	05:31	06:20	110	12:00	55S	17:41	250	18:30
2024	Nov	18	(Mon)	05:31	06:20	110	12:01	55S	17:41	250	18:30

2024	Nov	19	(Tue)	05:32	06:21	110	12:01	55S	17:40	250	18:30
2024	Nov	20	(Wed)	05:32	06:22	110	12:01	54S	17:40	250	18:30
2024	Nov	21	(Thu)	05:33	06:22	111	12:01	54S	17:40	249	18:30
2024	Nov	22	(Fri)	05:33	06:23	111	12:02	54S	17:40	249	18:30
2024	Nov	23	(Sat)	05:34	06:23	111	12:02	54S	17:40	249	18:30
2024	Nov	24	(Sun)	05:34	06:24	111	12:02	54S	17:40	249	18:30
2024	Nov	25	(Mon)	05:35	06:24	111	12:02	53S	17:40	248	18:30
2024	Nov	26	(Tue)	05:35	06:25	112	12:03	53S	17:40	248	18:30
2024	Nov	27	(Wed)	05:36	06:25	112	12:03	53S	17:41	248	18:30
2024	Nov	28	(Thu)	05:36	06:26	112	12:03	53S	17:41	248	18:30
2024	Nov	29	(Fri)	05:37	06:27	112	12:04	53S	17:41	248	18:31
2024	Nov	30	(Sat)	05:37	06:27	112	12:04	53S	17:41	248	18:31
2024	Dec	01	(Sun)	05:38	06:28	113	12:04	52S	17:41	247	18:31
2024	Dec	02	(Mon)	05:38	06:28	113	12:05	52S	17:41	247	18:31
2024	Dec	03	(Tue)	05:39	06:29	113	12:05	52S	17:41	247	18:31
2024	Dec	04	(Wed)	05:39	06:29	113	12:06	52S	17:42	247	18:32
2024	Dec	05	(Thu)	05:40	06:30	113	12:06	52S	17:42	247	18:32
2024	Dec	06	(Fri)	05:41	06:31	113	12:06	52S	17:42	247	18:32
2024	Dec	07	(Sat)	05:41	06:31	113	12:07	52S	17:43	247	18:33
2024	Dec	08	(Sun)	05:42	06:32	113	12:07	52S	17:43	246	18:33
2024	Dec	09	(Mon)	05:42	06:32	114	12:08	51S	17:43	246	18:33
2024	Dec	10	(Tue)	05:43	06:33	114	12:08	51S	17:43	246	18:34
2024	Dec	11	(Wed)	05:43	06:34	114	12:09	51S	17:44	246	18:34
2024	Dec	12	(Thu)	05:44	06:34	114	12:09	51S	17:44	246	18:35
2024	Dec	13	(Fri)	05:44	06:35	114	12:10	51S	17:45	246	18:35
2024	Dec	14	(Sat)	05:45	06:35	114	12:10	51S	17:45	246	18:35
2024	Dec	15	(Sun)	05:45	06:36	114	12:11	51S	17:45	246	18:36
2024	Dec	16	(Mon)	05:46	06:36	114	12:11	51S	17:46	246	18:36
2024	Dec	17	(Tue)	05:46	06:37	114	12:12	51S	17:46	246	18:37
2024	Dec	18	(Wed)	05:47	06:37	114	12:12	51S	17:47	246	18:37
2024	Dec	19	(Thu)	05:47	06:38	114	12:13	51S	17:47	246	18:38
2024	Dec	20	(Fri)	05:48	06:38	114	12:13	51S	17:48	246	18:38
2024	Dec	21	(Sat)	05:49	06:39	114	12:14	51S	17:48	246	18:39
2024	Dec	22	(Sun)	05:49	06:39	114	12:14	51S	17:49	246	18:39
2024	Dec	23	(Mon)	05:49	06:40	114	12:15	51S	17:49	246	18:40
2024	Dec	24	(Tue)	05:50	06:40	114	12:15	51S	17:50	246	18:40
2024	Dec	25	(Wed)	05:50	06:41	114	12:16	51S	17:50	246	18:41
2024	Dec	26	(Thu)	05:51	06:41	114	12:16	51S	17:51	246	18:41
2024	Dec	27	(Fri)	05:51	06:42	114	12:17	51S	17:51	246	18:42
2024	Dec	28	(Sat)	05:52	06:42	114	12:17	51S	17:52	246	18:42
2024	Dec	29	(Sun)	05:52	06:43	114	12:17	51S	17:52	246	18:43
2024	Dec	30	(Mon)	05:53	06:43	114	12:18	51S	17:53	246	18:43
2024	Dec	31	(Tue)	05:53	06:43	114	12:18	51S	17:54	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
2024	Jan 01 (Mon)	06:20	06:43 114	12:19 51S	17:54 246		18:17
2024	Jan 02 (Tue)	06:20	06:44 114	12:19 51S	17:54 246		18:18
2024	Jan 03 (Wed)	06:21	06:44 114	12:20 51S	17:55 246		18:18
2024	Jan 04 (Thu)	06:21	06:45 114	12:20 52S	17:55 246		18:19
2024	Jan 05 (Fri)	06:21	06:45 113	12:20 52S	17:56 247		18:19
2024	Jan 06 (Sat)	06:22	06:45 113	12:21 52S	17:57 247		18:20
2024	Jan 07 (Sun)	06:22	06:45 113	12:21 52S	17:57 247		18:21
2024	Jan 08 (Mon)	06:22	06:46 113	12:22 52S	17:58 247		18:21
2024	Jan 09 (Tue)	06:23	06:46 113	12:22 52S	17:59 247		18:22
2024	Jan 10 (Wed)	06:23	06:46 113	12:23 52S	17:59 247		18:22
2024	Jan 11 (Thu)	06:23	06:46 113	12:23 52S	18:00 247		18:23

2024	Jan	12	(Fri)	06:23	06:47	112	12:23	53S	18:00	248	18:23
2024	Jan	13	(Sat)	06:24	06:47	112	12:24	53S	18:01	248	18:24
2024	Jan	14	(Sun)	06:24	06:47	112	12:24	53S	18:02	248	18:25
2024	Jan	15	(Mon)	06:24	06:47	112	12:25	53S	18:02	248	18:25
2024	Jan	16	(Tue)	06:24	06:47	112	12:25	53S	18:03	248	18:26
2024	Jan	17	(Wed)	06:24	06:47	112	12:25	53S	18:03	249	18:26
2024	Jan	18	(Thu)	06:24	06:47	111	12:26	54S	18:04	249	18:27
2024	Jan	19	(Fri)	06:24	06:47	111	12:26	54S	18:05	249	18:27
2024	Jan	20	(Sat)	06:24	06:47	111	12:26	54S	18:05	249	18:28
2024	Jan	21	(Sun)	06:24	06:47	111	12:26	54S	18:06	249	18:29
2024	Jan	22	(Mon)	06:25	06:47	110	12:27	54S	18:06	250	18:29
2024	Jan	23	(Tue)	06:25	06:47	110	12:27	55S	18:07	250	18:30
2024	Jan	24	(Wed)	06:24	06:47	110	12:27	55S	18:07	250	18:30
2024	Jan	25	(Thu)	06:24	06:47	110	12:28	55S	18:08	250	18:31
2024	Jan	26	(Fri)	06:24	06:47	109	12:28	55S	18:08	251	18:31
2024	Jan	27	(Sat)	06:24	06:47	109	12:28	56S	18:09	251	18:32
2024	Jan	28	(Sun)	06:24	06:47	109	12:28	56S	18:10	251	18:32
2024	Jan	29	(Mon)	06:24	06:47	109	12:28	56S	18:10	251	18:33
2024	Jan	30	(Tue)	06:24	06:47	108	12:29	56S	18:11	252	18:33
2024	Jan	31	(Wed)	06:24	06:46	108	12:29	57S	18:11	252	18:34
2024	Feb	01	(Thu)	06:24	06:46	108	12:29	57S	18:12	252	18:34
2024	Feb	02	(Fri)	06:23	06:46	108	12:29	57S	18:12	253	18:35
2024	Feb	03	(Sat)	06:23	06:46	107	12:29	58S	18:13	253	18:35
2024	Feb	04	(Sun)	06:23	06:45	107	12:29	58S	18:13	253	18:35
2024	Feb	05	(Mon)	06:23	06:45	107	12:29	58S	18:14	254	18:36
2024	Feb	06	(Tue)	06:23	06:45	106	12:29	59S	18:14	254	18:36
2024	Feb	07	(Wed)	06:22	06:45	106	12:29	59S	18:14	254	18:37
2024	Feb	08	(Thu)	06:22	06:44	106	12:29	59S	18:15	255	18:37
2024	Feb	09	(Fri)	06:22	06:44	105	12:30	59S	18:15	255	18:38
2024	Feb	10	(Sat)	06:21	06:44	105	12:30	60S	18:16	255	18:38
2024	Feb	11	(Sun)	06:21	06:43	105	12:30	60S	18:16	256	18:38
2024	Feb	12	(Mon)	06:21	06:43	104	12:30	60S	18:17	256	18:39
2024	Feb	13	(Tue)	06:20	06:42	104	12:30	61S	18:17	256	18:39
2024	Feb	14	(Wed)	06:20	06:42	104	12:30	61S	18:17	257	18:39
2024	Feb	15	(Thu)	06:19	06:41	103	12:30	61S	18:18	257	18:40
2024	Feb	16	(Fri)	06:19	06:41	103	12:29	62S	18:18	257	18:40
2024	Feb	17	(Sat)	06:19	06:41	103	12:29	62S	18:18	258	18:40
2024	Feb	18	(Sun)	06:18	06:40	102	12:29	62S	18:19	258	18:41
2024	Feb	19	(Mon)	06:18	06:40	102	12:29	63S	18:19	258	18:41
2024	Feb	20	(Tue)	06:17	06:39	101	12:29	63S	18:20	259	18:41
2024	Feb	21	(Wed)	06:17	06:38	101	12:29	64S	18:20	259	18:42
2024	Feb	22	(Thu)	06:16	06:38	101	12:29	64S	18:20	260	18:42
2024	Feb	23	(Fri)	06:16	06:37	100	12:29	64S	18:20	260	18:42
2024	Feb	24	(Sat)	06:15	06:37	100	12:29	65S	18:21	260	18:43
2024	Feb	25	(Sun)	06:14	06:36	100	12:29	65S	18:21	261	18:43
2024	Feb	26	(Mon)	06:14	06:36	99	12:28	65S	18:21	261	18:43
2024	Feb	27	(Tue)	06:13	06:35	99	12:28	66S	18:22	261	18:43
2024	Feb	28	(Wed)	06:13	06:34	98	12:28	66S	18:22	262	18:44
2024	Feb	29	(Thu)	06:12	06:34	98	12:28	67S	18:22	262	18:44
2024	Mar	01	(Fri)	06:11	06:33	98	12:28	67S	18:22	263	18:44
2024	Mar	02	(Sat)	06:11	06:32	97	12:27	67S	18:23	263	18:44
2024	Mar	03	(Sun)	06:10	06:32	97	12:27	68S	18:23	263	18:45
2024	Mar	04	(Mon)	06:09	06:31	96	12:27	68S	18:23	264	18:45
2024	Mar	05	(Tue)	06:09	06:30	96	12:27	68S	18:23	264	18:45
2024	Mar	06	(Wed)	06:08	06:30	96	12:27	69S	18:24	265	18:45
2024	Mar	07	(Thu)	06:07	06:29	95	12:26	69S	18:24	265	18:45
2024	Mar	08	(Fri)	06:07	06:28	95	12:26	70S	18:24	265	18:46
2024	Mar	09	(Sat)	06:06	06:28	94	12:26	70S	18:24	266	18:46
2024	Mar	10	(Sun)	06:05	06:27	94	12:26	70S	18:24	266	18:46
2024	Mar	11	(Mon)	06:05	06:26	94	12:25	71S	18:25	267	18:46
2024	Mar	12	(Tue)	06:04	06:25	93	12:25	71S	18:25	267	18:46
2024	Mar	13	(Wed)	06:03	06:25	93	12:25	72S	18:25	268	18:47
2024	Mar	14	(Thu)	06:02	06:24	92	12:25	72S	18:25	268	18:47
2024	Mar	15	(Fri)	06:02	06:23	92	12:24	72S	18:25	268	18:47
2024	Mar	16	(Sat)	06:01	06:22	91	12:24	73S	18:26	269	18:47
2024	Mar	17	(Sun)	06:00	06:22	91	12:24	73S	18:26	269	18:47
2024	Mar	18	(Mon)	05:59	06:21	91	12:23	74S	18:26	270	18:48

2024	Mar	19	(Tue)	05:59	06:20	90	12:23	74S	18:26	270	18:48
2024	Mar	20	(Wed)	05:58	06:19	90	12:23	74S	18:26	270	18:48
2024	Mar	21	(Thu)	05:57	06:19	89	12:22	75S	18:26	271	18:48
2024	Mar	22	(Fri)	05:56	06:18	89	12:22	75S	18:27	271	18:48
2024	Mar	23	(Sat)	05:56	06:17	89	12:22	76S	18:27	272	18:48
2024	Mar	24	(Sun)	05:55	06:16	88	12:22	76S	18:27	272	18:49
2024	Mar	25	(Mon)	05:54	06:16	88	12:21	76S	18:27	272	18:49
2024	Mar	26	(Tue)	05:53	06:15	87	12:21	77S	18:27	273	18:49
2024	Mar	27	(Wed)	05:53	06:14	87	12:21	77S	18:27	273	18:49
2024	Mar	28	(Thu)	05:52	06:13	87	12:20	77S	18:28	274	18:49
2024	Mar	29	(Fri)	05:51	06:13	86	12:20	78S	18:28	274	18:49
2024	Mar	30	(Sat)	05:50	06:12	86	12:20	78S	18:28	274	18:50
2024	Mar	31	(Sun)	05:49	06:11	85	12:19	79S	18:28	275	18:50
2024	Apr	01	(Mon)	05:49	06:10	85	12:19	79S	18:28	275	18:50
2024	Apr	02	(Tue)	05:48	06:10	85	12:19	79S	18:28	276	18:50
2024	Apr	03	(Wed)	05:47	06:09	84	12:19	80S	18:29	276	18:50
2024	Apr	04	(Thu)	05:46	06:08	84	12:18	80S	18:29	276	18:51
2024	Apr	05	(Fri)	05:46	06:07	83	12:18	81S	18:29	277	18:51
2024	Apr	06	(Sat)	05:45	06:07	83	12:18	81S	18:29	277	18:51
2024	Apr	07	(Sun)	05:44	06:06	83	12:17	81S	18:29	278	18:51
2024	Apr	08	(Mon)	05:43	06:05	82	12:17	82S	18:29	278	18:51
2024	Apr	09	(Tue)	05:43	06:04	82	12:17	82S	18:30	278	18:51
2024	Apr	10	(Wed)	05:42	06:04	81	12:17	82S	18:30	279	18:52
2024	Apr	11	(Thu)	05:41	06:03	81	12:16	83S	18:30	279	18:52
2024	Apr	12	(Fri)	05:40	06:02	81	12:16	83S	18:30	280	18:52
2024	Apr	13	(Sat)	05:40	06:02	80	12:16	84S	18:30	280	18:52
2024	Apr	14	(Sun)	05:39	06:01	80	12:16	84S	18:31	280	18:53
2024	Apr	15	(Mon)	05:38	06:00	79	12:15	84S	18:31	281	18:53
2024	Apr	16	(Tue)	05:38	06:00	79	12:15	85S	18:31	281	18:53
2024	Apr	17	(Wed)	05:37	05:59	79	12:15	85S	18:31	281	18:53
2024	Apr	18	(Thu)	05:36	05:58	78	12:15	85S	18:31	282	18:53
2024	Apr	19	(Fri)	05:35	05:58	78	12:14	86S	18:32	282	18:54
2024	Apr	20	(Sat)	05:35	05:57	78	12:14	86S	18:32	283	18:54
2024	Apr	21	(Sun)	05:34	05:56	77	12:14	86S	18:32	283	18:54
2024	Apr	22	(Mon)	05:33	05:56	77	12:14	87S	18:32	283	18:54
2024	Apr	23	(Tue)	05:33	05:55	77	12:14	87S	18:33	284	18:55
2024	Apr	24	(Wed)	05:32	05:54	76	12:13	87S	18:33	284	18:55
2024	Apr	25	(Thu)	05:32	05:54	76	12:13	88S	18:33	284	18:55
2024	Apr	26	(Fri)	05:31	05:53	76	12:13	88S	18:33	285	18:56
2024	Apr	27	(Sat)	05:30	05:53	75	12:13	88S	18:33	285	18:56
2024	Apr	28	(Sun)	05:30	05:52	75	12:13	89S	18:34	285	18:56
2024	Apr	29	(Mon)	05:29	05:52	75	12:13	89S	18:34	286	18:56
2024	Apr	30	(Tue)	05:29	05:51	74	12:13	89S	18:34	286	18:57
2024	May	01	(Wed)	05:28	05:51	74	12:12	90S	18:35	286	18:57
2024	May	02	(Thu)	05:28	05:50	74	12:12	90S	18:35	287	18:57
2024	May	03	(Fri)	05:27	05:50	73	12:12	90S	18:35	287	18:58
2024	May	04	(Sat)	05:26	05:49	73	12:12	90S	18:35	287	18:58
2024	May	05	(Sun)	05:26	05:49	73	12:12	91S	18:36	287	18:58
2024	May	06	(Mon)	05:26	05:48	72	12:12	90N	18:36	288	18:59
2024	May	07	(Tue)	05:25	05:48	72	12:12	90N	18:36	288	18:59
2024	May	08	(Wed)	05:25	05:47	72	12:12	90N	18:37	288	18:59
2024	May	09	(Thu)	05:24	05:47	72	12:12	90N	18:37	289	19:00
2024	May	10	(Fri)	05:24	05:47	71	12:12	89N	18:37	289	19:00
2024	May	11	(Sat)	05:23	05:46	71	12:12	89N	18:37	289	19:00
2024	May	12	(Sun)	05:23	05:46	71	12:12	89N	18:38	289	19:01
2024	May	13	(Mon)	05:23	05:46	70	12:12	89N	18:38	290	19:01
2024	May	14	(Tue)	05:22	05:45	70	12:12	88N	18:38	290	19:02
2024	May	15	(Wed)	05:22	05:45	70	12:12	88N	18:39	290	19:02
2024	May	16	(Thu)	05:21	05:45	70	12:12	88N	18:39	290	19:02
2024	May	17	(Fri)	05:21	05:44	69	12:12	88N	18:39	291	19:03
2024	May	18	(Sat)	05:21	05:44	69	12:12	87N	18:40	291	19:03
2024	May	19	(Sun)	05:21	05:44	69	12:12	87N	18:40	291	19:03
2024	May	20	(Mon)	05:20	05:44	69	12:12	87N	18:40	291	19:04
2024	May	21	(Tue)	05:20	05:43	69	12:12	87N	18:41	292	19:04
2024	May	22	(Wed)	05:20	05:43	68	12:12	87N	18:41	292	19:05
2024	May	23	(Thu)	05:20	05:43	68	12:12	86N	18:42	292	19:05
2024	May	24	(Fri)	05:19	05:43	68	12:12	86N	18:42	292	19:05

2024	May	25	(Sat)	05:19	05:43	68	12:12	86N	18:42	292	19:06
2024	May	26	(Sun)	05:19	05:43	68	12:12	86N	18:43	292	19:06
2024	May	27	(Mon)	05:19	05:42	67	12:13	86N	18:43	293	19:06
2024	May	28	(Tue)	05:19	05:42	67	12:13	86N	18:43	293	19:07
2024	May	29	(Wed)	05:19	05:42	67	12:13	85N	18:44	293	19:07
2024	May	30	(Thu)	05:19	05:42	67	12:13	85N	18:44	293	19:08
2024	May	31	(Fri)	05:18	05:42	67	12:13	85N	18:44	293	19:08
2024	Jun	01	(Sat)	05:18	05:42	67	12:13	85N	18:45	293	19:08
2024	Jun	02	(Sun)	05:18	05:42	67	12:13	85N	18:45	294	19:09
2024	Jun	03	(Mon)	05:18	05:42	66	12:14	85N	18:45	294	19:09
2024	Jun	04	(Tue)	05:18	05:42	66	12:14	85N	18:46	294	19:09
2024	Jun	05	(Wed)	05:18	05:42	66	12:14	85N	18:46	294	19:10
2024	Jun	06	(Thu)	05:18	05:42	66	12:14	84N	18:46	294	19:10
2024	Jun	07	(Fri)	05:18	05:42	66	12:14	84N	18:47	294	19:10
2024	Jun	08	(Sat)	05:18	05:42	66	12:15	84N	18:47	294	19:11
2024	Jun	09	(Sun)	05:18	05:42	66	12:15	84N	18:47	294	19:11
2024	Jun	10	(Mon)	05:18	05:42	66	12:15	84N	18:48	294	19:11
2024	Jun	11	(Tue)	05:19	05:42	66	12:15	84N	18:48	294	19:12
2024	Jun	12	(Wed)	05:19	05:43	66	12:15	84N	18:48	295	19:12
2024	Jun	13	(Thu)	05:19	05:43	65	12:16	84N	18:48	295	19:12
2024	Jun	14	(Fri)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2024	Jun	15	(Sat)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2024	Jun	16	(Sun)	05:19	05:43	65	12:16	84N	18:49	295	19:13
2024	Jun	17	(Mon)	05:19	05:43	65	12:16	84N	18:50	295	19:13
2024	Jun	18	(Tue)	05:19	05:43	65	12:17	84N	18:50	295	19:14
2024	Jun	19	(Wed)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2024	Jun	20	(Thu)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2024	Jun	21	(Fri)	05:20	05:44	65	12:17	84N	18:50	295	19:14
2024	Jun	22	(Sat)	05:20	05:44	65	12:17	84N	18:51	295	19:15
2024	Jun	23	(Sun)	05:21	05:44	65	12:18	84N	18:51	295	19:15
2024	Jun	24	(Mon)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2024	Jun	25	(Tue)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2024	Jun	26	(Wed)	05:21	05:45	65	12:18	84N	18:51	295	19:15
2024	Jun	27	(Thu)	05:22	05:46	65	12:19	84N	18:52	295	19:15
2024	Jun	28	(Fri)	05:22	05:46	65	12:19	84N	18:52	295	19:16
2024	Jun	29	(Sat)	05:22	05:46	65	12:19	84N	18:52	295	19:16
2024	Jun	30	(Sun)	05:22	05:46	66	12:19	84N	18:52	294	19:16
2024	Jul	01	(Mon)	05:23	05:47	66	12:19	84N	18:52	294	19:16
2024	Jul	02	(Tue)	05:23	05:47	66	12:20	84N	18:52	294	19:16
2024	Jul	03	(Wed)	05:23	05:47	66	12:20	84N	18:52	294	19:16
2024	Jul	04	(Thu)	05:24	05:48	66	12:20	84N	18:52	294	19:16
2024	Jul	05	(Fri)	05:24	05:48	66	12:20	84N	18:52	294	19:16
2024	Jul	06	(Sat)	05:24	05:48	66	12:20	84N	18:52	294	19:16
2024	Jul	07	(Sun)	05:25	05:48	66	12:20	85N	18:52	294	19:16
2024	Jul	08	(Mon)	05:25	05:49	66	12:21	85N	18:52	294	19:16
2024	Jul	09	(Tue)	05:25	05:49	66	12:21	85N	18:52	294	19:16
2024	Jul	10	(Wed)	05:26	05:49	67	12:21	85N	18:52	293	19:16
2024	Jul	11	(Thu)	05:26	05:50	67	12:21	85N	18:52	293	19:16
2024	Jul	12	(Fri)	05:26	05:50	67	12:21	85N	18:52	293	19:16
2024	Jul	13	(Sat)	05:27	05:50	67	12:21	85N	18:52	293	19:15
2024	Jul	14	(Sun)	05:27	05:51	67	12:21	86N	18:52	293	19:15
2024	Jul	15	(Mon)	05:27	05:51	67	12:21	86N	18:52	293	19:15
2024	Jul	16	(Tue)	05:28	05:51	67	12:22	86N	18:52	292	19:15
2024	Jul	17	(Wed)	05:28	05:52	68	12:22	86N	18:51	292	19:15
2024	Jul	18	(Thu)	05:29	05:52	68	12:22	86N	18:51	292	19:15
2024	Jul	19	(Fri)	05:29	05:52	68	12:22	86N	18:51	292	19:14
2024	Jul	20	(Sat)	05:29	05:53	68	12:22	87N	18:51	292	19:14
2024	Jul	21	(Sun)	05:30	05:53	68	12:22	87N	18:51	291	19:14
2024	Jul	22	(Mon)	05:30	05:53	69	12:22	87N	18:50	291	19:14
2024	Jul	23	(Tue)	05:30	05:54	69	12:22	87N	18:50	291	19:13
2024	Jul	24	(Wed)	05:31	05:54	69	12:22	87N	18:50	291	19:13
2024	Jul	25	(Thu)	05:31	05:54	69	12:22	88N	18:50	291	19:13
2024	Jul	26	(Fri)	05:31	05:54	70	12:22	88N	18:49	290	19:12
2024	Jul	27	(Sat)	05:32	05:55	70	12:22	88N	18:49	290	19:12
2024	Jul	28	(Sun)	05:32	05:55	70	12:22	88N	18:49	290	19:12
2024	Jul	29	(Mon)	05:32	05:55	70	12:22	89N	18:48	290	19:11
2024	Jul	30	(Tue)	05:33	05:56	70	12:22	89N	18:48	289	19:11

2024	Jul	31	(Wed)	05:33	05:56	71	12:22	89N	18:47	289	19:10
2024	Aug	01	(Thu)	05:33	05:56	71	12:22	89N	18:47	289	19:10
2024	Aug	02	(Fri)	05:34	05:56	71	12:22	90N	18:47	289	19:10
2024	Aug	03	(Sat)	05:34	05:57	72	12:22	90N	18:46	288	19:09
2024	Aug	04	(Sun)	05:34	05:57	72	12:21	90N	18:46	288	19:09
2024	Aug	05	(Mon)	05:34	05:57	72	12:21	90N	18:45	288	19:08
2024	Aug	06	(Tue)	05:35	05:57	72	12:21	91N	18:45	287	19:08
2024	Aug	07	(Wed)	05:35	05:58	73	12:21	91S	18:44	287	19:07
2024	Aug	08	(Thu)	05:35	05:58	73	12:21	90S	18:44	287	19:06
2024	Aug	09	(Fri)	05:36	05:58	73	12:21	90S	18:43	287	19:06
2024	Aug	10	(Sat)	05:36	05:58	74	12:21	90S	18:43	286	19:05
2024	Aug	11	(Sun)	05:36	05:59	74	12:21	89S	18:42	286	19:05
2024	Aug	12	(Mon)	05:36	05:59	74	12:20	89S	18:42	286	19:04
2024	Aug	13	(Tue)	05:37	05:59	75	12:20	89S	18:41	285	19:04
2024	Aug	14	(Wed)	05:37	05:59	75	12:20	88S	18:41	285	19:03
2024	Aug	15	(Thu)	05:37	06:00	75	12:20	88S	18:40	285	19:02
2024	Aug	16	(Fri)	05:37	06:00	75	12:20	88S	18:39	284	19:02
2024	Aug	17	(Sat)	05:38	06:00	76	12:19	88S	18:39	284	19:01
2024	Aug	18	(Sun)	05:38	06:00	76	12:19	87S	18:38	284	19:00
2024	Aug	19	(Mon)	05:38	06:00	77	12:19	87S	18:37	283	19:00
2024	Aug	20	(Tue)	05:38	06:00	77	12:19	87S	18:37	283	18:59
2024	Aug	21	(Wed)	05:38	06:01	77	12:18	86S	18:36	283	18:58
2024	Aug	22	(Thu)	05:39	06:01	78	12:18	86S	18:35	282	18:58
2024	Aug	23	(Fri)	05:39	06:01	78	12:18	86S	18:35	282	18:57
2024	Aug	24	(Sat)	05:39	06:01	78	12:18	85S	18:34	282	18:56
2024	Aug	25	(Sun)	05:39	06:01	79	12:17	85S	18:33	281	18:55
2024	Aug	26	(Mon)	05:39	06:01	79	12:17	85S	18:33	281	18:55
2024	Aug	27	(Tue)	05:40	06:02	79	12:17	84S	18:32	280	18:54
2024	Aug	28	(Wed)	05:40	06:02	80	12:17	84S	18:31	280	18:53
2024	Aug	29	(Thu)	05:40	06:02	80	12:16	83S	18:30	280	18:52
2024	Aug	30	(Fri)	05:40	06:02	80	12:16	83S	18:30	279	18:52
2024	Aug	31	(Sat)	05:40	06:02	81	12:16	83S	18:29	279	18:51
2024	Sep	01	(Sun)	05:40	06:02	81	12:15	82S	18:28	279	18:50
2024	Sep	02	(Mon)	05:40	06:02	82	12:15	82S	18:27	278	18:49
2024	Sep	03	(Tue)	05:41	06:02	82	12:15	82S	18:27	278	18:48
2024	Sep	04	(Wed)	05:41	06:03	82	12:14	81S	18:26	277	18:48
2024	Sep	05	(Thu)	05:41	06:03	83	12:14	81S	18:25	277	18:47
2024	Sep	06	(Fri)	05:41	06:03	83	12:14	81S	18:24	277	18:46
2024	Sep	07	(Sat)	05:41	06:03	84	12:13	80S	18:24	276	18:45
2024	Sep	08	(Sun)	05:41	06:03	84	12:13	80S	18:23	276	18:44
2024	Sep	09	(Mon)	05:41	06:03	84	12:13	79S	18:22	275	18:44
2024	Sep	10	(Tue)	05:42	06:03	85	12:12	79S	18:21	275	18:43
2024	Sep	11	(Wed)	05:42	06:03	85	12:12	79S	18:20	275	18:42
2024	Sep	12	(Thu)	05:42	06:03	85	12:12	78S	18:20	274	18:41
2024	Sep	13	(Fri)	05:42	06:03	86	12:11	78S	18:19	274	18:40
2024	Sep	14	(Sat)	05:42	06:04	86	12:11	78S	18:18	273	18:40
2024	Sep	15	(Sun)	05:42	06:04	87	12:11	77S	18:17	273	18:39
2024	Sep	16	(Mon)	05:42	06:04	87	12:10	77S	18:16	273	18:38
2024	Sep	17	(Tue)	05:42	06:04	88	12:10	76S	18:15	272	18:37
2024	Sep	18	(Wed)	05:42	06:04	88	12:09	76S	18:15	272	18:36
2024	Sep	19	(Thu)	05:43	06:04	88	12:09	76S	18:14	271	18:35
2024	Sep	20	(Fri)	05:43	06:04	89	12:09	75S	18:13	271	18:35
2024	Sep	21	(Sat)	05:43	06:04	89	12:08	75S	18:12	271	18:34
2024	Sep	22	(Sun)	05:43	06:04	90	12:08	74S	18:11	270	18:33
2024	Sep	23	(Mon)	05:43	06:04	90	12:08	74S	18:11	270	18:32
2024	Sep	24	(Tue)	05:43	06:05	90	12:07	74S	18:10	269	18:31
2024	Sep	25	(Wed)	05:43	06:05	91	12:07	73S	18:09	269	18:31
2024	Sep	26	(Thu)	05:43	06:05	91	12:07	73S	18:08	269	18:30
2024	Sep	27	(Fri)	05:43	06:05	92	12:06	72S	18:07	268	18:29
2024	Sep	28	(Sat)	05:44	06:05	92	12:06	72S	18:07	268	18:28
2024	Sep	29	(Sun)	05:44	06:05	92	12:06	72S	18:06	267	18:27
2024	Sep	30	(Mon)	05:44	06:05	93	12:05	71S	18:05	267	18:27
2024	Oct	01	(Tue)	05:44	06:05	93	12:05	71S	18:04	267	18:26
2024	Oct	02	(Wed)	05:44	06:06	94	12:05	71S	18:03	266	18:25
2024	Oct	03	(Thu)	05:44	06:06	94	12:04	70S	18:03	266	18:24
2024	Oct	04	(Fri)	05:44	06:06	94	12:04	70S	18:02	265	18:24
2024	Oct	05	(Sat)	05:44	06:06	95	12:04	69S	18:01	265	18:23

2024	Oct	06	(Sun)	05:45	06:06	95	12:03	69S	18:00	265	18:22
2024	Oct	07	(Mon)	05:45	06:06	96	12:03	69S	18:00	264	18:21
2024	Oct	08	(Tue)	05:45	06:07	96	12:03	68S	17:59	264	18:21
2024	Oct	09	(Wed)	05:45	06:07	96	12:03	68S	17:58	263	18:20
2024	Oct	10	(Thu)	05:45	06:07	97	12:02	67S	17:58	263	18:19
2024	Oct	11	(Fri)	05:45	06:07	97	12:02	67S	17:57	263	18:19
2024	Oct	12	(Sat)	05:46	06:07	98	12:02	67S	17:56	262	18:18
2024	Oct	13	(Sun)	05:46	06:07	98	12:02	66S	17:55	262	18:17
2024	Oct	14	(Mon)	05:46	06:08	98	12:01	66S	17:55	261	18:17
2024	Oct	15	(Tue)	05:46	06:08	99	12:01	66S	17:54	261	18:16
2024	Oct	16	(Wed)	05:46	06:08	99	12:01	65S	17:53	261	18:15
2024	Oct	17	(Thu)	05:47	06:08	99	12:01	65S	17:53	260	18:15
2024	Oct	18	(Fri)	05:47	06:09	100	12:00	64S	17:52	260	18:14
2024	Oct	19	(Sat)	05:47	06:09	100	12:00	64S	17:52	260	18:13
2024	Oct	20	(Sun)	05:47	06:09	101	12:00	64S	17:51	259	18:13
2024	Oct	21	(Mon)	05:47	06:09	101	12:00	63S	17:50	259	18:12
2024	Oct	22	(Tue)	05:48	06:10	101	12:00	63S	17:50	258	18:12
2024	Oct	23	(Wed)	05:48	06:10	102	12:00	63S	17:49	258	18:11
2024	Oct	24	(Thu)	05:48	06:10	102	12:00	62S	17:49	258	18:11
2024	Oct	25	(Fri)	05:48	06:10	102	11:59	62S	17:48	257	18:10
2024	Oct	26	(Sat)	05:49	06:11	103	11:59	62S	17:48	257	18:10
2024	Oct	27	(Sun)	05:49	06:11	103	11:59	61S	17:47	257	18:09
2024	Oct	28	(Mon)	05:49	06:11	104	11:59	61S	17:47	256	18:09
2024	Oct	29	(Tue)	05:50	06:12	104	11:59	61S	17:46	256	18:08
2024	Oct	30	(Wed)	05:50	06:12	104	11:59	60S	17:46	256	18:08
2024	Oct	31	(Thu)	05:50	06:12	105	11:59	60S	17:45	255	18:07
2024	Nov	01	(Fri)	05:51	06:13	105	11:59	60S	17:45	255	18:07
2024	Nov	02	(Sat)	05:51	06:13	105	11:59	59S	17:44	255	18:07
2024	Nov	03	(Sun)	05:51	06:14	106	11:59	59S	17:44	254	18:06
2024	Nov	04	(Mon)	05:52	06:14	106	11:59	59S	17:44	254	18:06
2024	Nov	05	(Tue)	05:52	06:14	106	11:59	58S	17:43	254	18:06
2024	Nov	06	(Wed)	05:52	06:15	106	11:59	58S	17:43	253	18:05
2024	Nov	07	(Thu)	05:53	06:15	107	11:59	58S	17:43	253	18:05
2024	Nov	08	(Fri)	05:53	06:16	107	11:59	58S	17:42	253	18:05
2024	Nov	09	(Sat)	05:54	06:16	107	11:59	57S	17:42	252	18:05
2024	Nov	10	(Sun)	05:54	06:17	108	11:59	57S	17:42	252	18:04
2024	Nov	11	(Mon)	05:54	06:17	108	11:59	57S	17:42	252	18:04
2024	Nov	12	(Tue)	05:55	06:18	108	12:00	56S	17:41	252	18:04
2024	Nov	13	(Wed)	05:55	06:18	109	12:00	56S	17:41	251	18:04
2024	Nov	14	(Thu)	05:56	06:18	109	12:00	56S	17:41	251	18:04
2024	Nov	15	(Fri)	05:56	06:19	109	12:00	56S	17:41	251	18:04
2024	Nov	16	(Sat)	05:57	06:19	109	12:00	55S	17:41	251	18:03
2024	Nov	17	(Sun)	05:57	06:20	110	12:00	55S	17:41	250	18:03
2024	Nov	18	(Mon)	05:58	06:20	110	12:01	55S	17:41	250	18:03
2024	Nov	19	(Tue)	05:58	06:21	110	12:01	55S	17:40	250	18:03
2024	Nov	20	(Wed)	05:59	06:22	110	12:01	54S	17:40	250	18:03
2024	Nov	21	(Thu)	05:59	06:22	111	12:01	54S	17:40	249	18:03
2024	Nov	22	(Fri)	06:00	06:23	111	12:02	54S	17:40	249	18:03
2024	Nov	23	(Sat)	06:00	06:23	111	12:02	54S	17:40	249	18:03
2024	Nov	24	(Sun)	06:01	06:24	111	12:02	54S	17:40	249	18:03
2024	Nov	25	(Mon)	06:01	06:24	111	12:02	53S	17:40	248	18:03
2024	Nov	26	(Tue)	06:02	06:25	112	12:03	53S	17:40	248	18:04
2024	Nov	27	(Wed)	06:02	06:25	112	12:03	53S	17:41	248	18:04
2024	Nov	28	(Thu)	06:03	06:26	112	12:03	53S	17:41	248	18:04
2024	Nov	29	(Fri)	06:03	06:27	112	12:04	53S	17:41	248	18:04
2024	Nov	30	(Sat)	06:04	06:27	112	12:04	53S	17:41	248	18:04
2024	Dec	01	(Sun)	06:05	06:28	113	12:04	52S	17:41	247	18:04
2024	Dec	02	(Mon)	06:05	06:28	113	12:05	52S	17:41	247	18:05
2024	Dec	03	(Tue)	06:06	06:29	113	12:05	52S	17:41	247	18:05
2024	Dec	04	(Wed)	06:06	06:29	113	12:06	52S	17:42	247	18:05
2024	Dec	05	(Thu)	06:07	06:30	113	12:06	52S	17:42	247	18:05
2024	Dec	06	(Fri)	06:07	06:31	113	12:06	52S	17:42	247	18:06
2024	Dec	07	(Sat)	06:08	06:31	113	12:07	52S	17:43	247	18:06
2024	Dec	08	(Sun)	06:08	06:32	113	12:07	52S	17:43	246	18:06
2024	Dec	09	(Mon)	06:09	06:32	114	12:08	51S	17:43	246	18:06
2024	Dec	10	(Tue)	06:10	06:33	114	12:08	51S	17:43	246	18:07
2024	Dec	11	(Wed)	06:10	06:34	114	12:09	51S	17:44	246	18:07

2024	Dec 12	(Thu)	06:11	06:34	114	12:09	51S	17:44	246	18:08
2024	Dec 13	(Fri)	06:11	06:35	114	12:10	51S	17:45	246	18:08
2024	Dec 14	(Sat)	06:12	06:35	114	12:10	51S	17:45	246	18:08
2024	Dec 15	(Sun)	06:12	06:36	114	12:11	51S	17:45	246	18:09
2024	Dec 16	(Mon)	06:13	06:36	114	12:11	51S	17:46	246	18:09
2024	Dec 17	(Tue)	06:13	06:37	114	12:12	51S	17:46	246	18:10
2024	Dec 18	(Wed)	06:14	06:37	114	12:12	51S	17:47	246	18:10
2024	Dec 19	(Thu)	06:14	06:38	114	12:13	51S	17:47	246	18:11
2024	Dec 20	(Fri)	06:15	06:38	114	12:13	51S	17:48	246	18:11
2024	Dec 21	(Sat)	06:15	06:39	114	12:14	51S	17:48	246	18:12
2024	Dec 22	(Sun)	06:16	06:39	114	12:14	51S	17:49	246	18:12
2024	Dec 23	(Mon)	06:16	06:40	114	12:15	51S	17:49	246	18:13
2024	Dec 24	(Tue)	06:17	06:40	114	12:15	51S	17:50	246	18:13
2024	Dec 25	(Wed)	06:17	06:41	114	12:16	51S	17:50	246	18:14
2024	Dec 26	(Thu)	06:18	06:41	114	12:16	51S	17:51	246	18:14
2024	Dec 27	(Fri)	06:18	06:42	114	12:17	51S	17:51	246	18:15
2024	Dec 28	(Sat)	06:19	06:42	114	12:17	51S	17:52	246	18:15
2024	Dec 29	(Sun)	06:19	06:43	114	12:17	51S	17:52	246	18:16
2024	Dec 30	(Mon)	06:20	06:43	114	12:18	51S	17:53	246	18:16
2024	Dec 31	(Tue)	06:20	06:43	114	12:18	51S	17:54	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	°	h	m	°
2024 Jan 01 (Mon)	22:26	80		04:06	87S		10:31	282	
2024 Jan 02 (Tue)	23:12	86		04:47	82S		11:04	277	
2024 Jan 03 (Wed)	23:58	92		05:26	76S		11:36	271	
2024 Jan 04 (Thu)				06:05	70S		12:09	265	
2024 Jan 05 (Fri)	00:45	98		06:45	65S		12:42	259	
2024 Jan 06 (Sat)	01:35	104		07:28	59S		13:19	253	
2024 Jan 07 (Sun)	02:27	110		08:15	54S		14:00	248	
2024 Jan 08 (Mon)	03:24	114		09:07	50S		14:47	244	
2024 Jan 09 (Tue)	04:25	118		10:04	47S		15:42	241	
2024 Jan 10 (Wed)	05:28	119		11:05	45S		16:43	240	
2024 Jan 11 (Thu)	06:31	119		12:09	46S		17:48	242	
2024 Jan 12 (Fri)	07:31	117		13:12	49S		18:56	245	
2024 Jan 13 (Sat)	08:25	112		14:12	54S		20:01	251	
2024 Jan 14 (Sun)	09:13	106		15:07	60S		21:04	257	
2024 Jan 15 (Mon)	09:57	99		15:58	67S		22:03	264	
2024 Jan 16 (Tue)	10:38	92		16:47	74S		23:00	272	
2024 Jan 17 (Wed)	11:18	85		17:35	81S		23:57	279	
2024 Jan 18 (Thu)	11:57	78		18:23	87S				
2024 Jan 19 (Fri)	12:39	72		19:12	88N		00:53	285	
2024 Jan 20 (Sat)	13:23	67		20:04	84N		01:50	291	
2024 Jan 21 (Sun)	14:11	63		20:58	81N		02:48	295	
2024 Jan 22 (Mon)	15:03	61		21:53	79N		03:47	298	
2024 Jan 23 (Tue)	15:57	61		22:48	79N		04:44	299	
2024 Jan 24 (Wed)	16:53	62		23:42	80N		05:38	299	
2024 Jan 25 (Thu)	17:48	64					06:28	297	
2024 Jan 26 (Fri)	18:41	68		00:32	83N		07:13	294	
2024 Jan 27 (Sat)	19:32	73		01:19	87N		07:53	289	
2024 Jan 28 (Sun)	20:20	78		02:03	89S		08:30	284	
2024 Jan 29 (Mon)	21:07	84		02:44	84S		09:04	279	
2024 Jan 30 (Tue)	21:53	90		03:23	78S		09:36	273	
2024 Jan 31 (Wed)	22:39	96		04:02	72S		10:08	267	
2024 Feb 01 (Thu)	23:26	102		04:41	67S		10:40	261	
2024 Feb 02 (Fri)				05:22	61S		11:15	255	
2024 Feb 03 (Sat)	00:16	108		06:06	56S		11:53	250	
2024 Feb 04 (Sun)	01:10	113		06:54	51S		12:36	246	

2024 Feb 05 (Mon)	02:07 116	07:47 48S	13:26 242
2024 Feb 06 (Tue)	03:08 119	08:45 46S	14:22 240
2024 Feb 07 (Wed)	04:11 120	09:47 45S	15:25 241
2024 Feb 08 (Thu)	05:12 118	10:51 47S	16:32 243
2024 Feb 09 (Fri)	06:09 115	11:52 51S	17:39 248
2024 Feb 10 (Sat)	07:01 109	12:51 57S	18:45 254
2024 Feb 11 (Sun)	07:48 103	13:46 64S	19:48 261
2024 Feb 12 (Mon)	08:32 95	14:38 71S	20:48 269
2024 Feb 13 (Tue)	09:13 88	15:28 78S	21:47 276
2024 Feb 14 (Wed)	09:54 80	16:17 85S	22:45 283
2024 Feb 15 (Thu)	10:36 74	17:08 90N	23:43 289
2024 Feb 16 (Fri)	11:20 68	18:00 85N	
2024 Feb 17 (Sat)	12:08 64	18:54 81N	00:43 294
2024 Feb 18 (Sun)	12:59 61	19:49 79N	01:42 298
2024 Feb 19 (Mon)	13:53 60	20:44 79N	02:40 299
2024 Feb 20 (Tue)	14:48 61	21:37 80N	03:35 299
2024 Feb 21 (Wed)	15:43 63	22:28 82N	04:25 298
2024 Feb 22 (Thu)	16:36 67	23:16 86N	05:11 295
2024 Feb 23 (Fri)	17:28 71		05:53 291
2024 Feb 24 (Sat)	18:16 77	00:01 90N	06:30 286
2024 Feb 25 (Sun)	19:04 82	00:42 86S	07:04 281
2024 Feb 26 (Mon)	19:50 88	01:22 80S	07:37 275
2024 Feb 27 (Tue)	20:36 94	02:01 74S	08:09 269
2024 Feb 28 (Wed)	21:22 100	02:40 68S	08:41 263
2024 Feb 29 (Thu)	22:11 106	03:20 63S	09:15 257
2024 Mar 01 (Fri)	23:02 111	04:02 57S	09:51 252
2024 Mar 02 (Sat)	23:57 115	04:48 53S	10:31 247
2024 Mar 03 (Sun)		05:38 49S	11:17 243
2024 Mar 04 (Mon)	00:55 118	06:32 46S	12:09 241
2024 Mar 05 (Tue)	01:55 120	07:31 45S	13:07 240
2024 Mar 06 (Wed)	02:55 119	08:32 46S	14:10 242
2024 Mar 07 (Thu)	03:52 117	09:33 49S	15:15 245
2024 Mar 08 (Fri)	04:45 112	10:32 54S	16:21 250
2024 Mar 09 (Sat)	05:34 106	11:28 60S	17:25 257
2024 Mar 10 (Sun)	06:20 99	12:21 67S	18:27 265
2024 Mar 11 (Mon)	07:03 91	13:13 74S	19:28 272
2024 Mar 12 (Tue)	07:45 84	14:04 82S	20:29 280
2024 Mar 13 (Wed)	08:28 77	14:56 89S	21:29 287
2024 Mar 14 (Thu)	09:13 70	15:50 87N	22:31 293
2024 Mar 15 (Fri)	10:01 65	16:45 82N	23:32 297
2024 Mar 16 (Sat)	10:52 62	17:41 79N	
2024 Mar 17 (Sun)	11:46 60	18:38 78N	00:32 299
2024 Mar 18 (Mon)	12:42 60	19:33 79N	01:30 300
2024 Mar 19 (Tue)	13:38 62	20:25 81N	02:22 299
2024 Mar 20 (Wed)	14:32 65	21:14 84N	03:10 296
2024 Mar 21 (Thu)	15:24 70	21:59 89N	03:53 292
2024 Mar 22 (Fri)	16:13 75	22:41 88S	04:31 288
2024 Mar 23 (Sat)	17:01 80	23:22 82S	05:06 282
2024 Mar 24 (Sun)	17:47 86		05:39 277
2024 Mar 25 (Mon)	18:33 92	00:01 76S	06:11 271
2024 Mar 26 (Tue)	19:20 98	00:40 70S	06:43 265
2024 Mar 27 (Wed)	20:08 104	01:19 64S	07:16 259
2024 Mar 28 (Thu)	20:58 110	02:01 59S	07:51 253
2024 Mar 29 (Fri)	21:52 114	02:46 54S	08:30 248
2024 Mar 30 (Sat)	22:48 118	03:34 50S	09:14 244
2024 Mar 31 (Sun)	23:46 120	04:26 47S	10:03 241
2024 Apr 01 (Mon)		05:22 45S	10:58 240
2024 Apr 02 (Tue)	00:45 120	06:21 45S	11:57 241
2024 Apr 03 (Wed)	01:41 118	07:20 47S	13:00 243
2024 Apr 04 (Thu)	02:34 115	08:17 51S	14:03 248
2024 Apr 05 (Fri)	03:24 109	09:13 56S	15:06 253
2024 Apr 06 (Sat)	04:09 103	10:06 63S	16:07 260
2024 Apr 07 (Sun)	04:52 96	10:57 70S	17:07 268
2024 Apr 08 (Mon)	05:34 88	11:48 78S	18:08 276
2024 Apr 09 (Tue)	06:16 80	12:40 85S	19:09 283
2024 Apr 10 (Wed)	07:01 73	13:34 90N	20:11 290
2024 Apr 11 (Thu)	07:48 68	14:30 84N	21:15 295

2024 Apr 12 (Fri)	08:40 63	15:28 80N	22:18 298
2024 Apr 13 (Sat)	09:35 61	16:26 79N	23:19 300
2024 Apr 14 (Sun)	10:32 60	17:24 79N	
2024 Apr 15 (Mon)	11:29 61	18:19 80N	00:15 299
2024 Apr 16 (Tue)	12:25 64	19:09 83N	01:06 297
2024 Apr 17 (Wed)	13:19 68	19:56 87N	01:51 294
2024 Apr 18 (Thu)	14:09 73	20:40 89S	02:31 289
2024 Apr 19 (Fri)	14:57 78	21:20 84S	03:07 284
2024 Apr 20 (Sat)	15:44 84	22:00 78S	03:40 279
2024 Apr 21 (Sun)	16:30 90	22:39 72S	04:12 273
2024 Apr 22 (Mon)	17:16 96	23:18 66S	04:44 267
2024 Apr 23 (Tue)	18:04 102	23:59 61S	05:17 261
2024 Apr 24 (Wed)	18:54 108		05:52 255
2024 Apr 25 (Thu)	19:47 113	00:43 56S	06:30 250
2024 Apr 26 (Fri)	20:43 117	01:31 51S	07:12 245
2024 Apr 27 (Sat)	21:41 119	02:22 48S	08:00 242
2024 Apr 28 (Sun)	22:39 120	03:17 46S	08:53 240
2024 Apr 29 (Mon)	23:36 119	04:15 45S	09:51 240
2024 Apr 30 (Tue)		05:13 47S	10:52 242
2024 May 01 (Wed)	00:29 116	06:10 50S	11:54 246
2024 May 02 (Thu)	01:18 111	07:05 54S	12:55 251
2024 May 03 (Fri)	02:04 106	07:57 60S	13:54 258
2024 May 04 (Sat)	02:46 99	08:47 67S	14:53 265
2024 May 05 (Sun)	03:27 91	09:37 74S	15:51 272
2024 May 06 (Mon)	04:07 84	10:26 82S	16:50 280
2024 May 07 (Tue)	04:50 77	11:18 89S	17:51 287
2024 May 08 (Wed)	05:36 70	12:13 87N	18:54 293
2024 May 09 (Thu)	06:25 65	13:10 82N	19:58 297
2024 May 10 (Fri)	07:19 62	14:10 79N	21:02 299
2024 May 11 (Sat)	08:17 60	15:09 78N	22:02 300
2024 May 12 (Sun)	09:16 61	16:07 79N	22:56 298
2024 May 13 (Mon)	10:14 63	17:01 82N	23:45 295
2024 May 14 (Tue)	11:10 66	17:50 86N	
2024 May 15 (Wed)	12:02 71	18:35 90N	00:27 291
2024 May 16 (Thu)	12:51 76	19:17 86S	01:05 286
2024 May 17 (Fri)	13:39 82	19:57 80S	01:40 281
2024 May 18 (Sat)	14:25 88	20:36 75S	02:12 275
2024 May 19 (Sun)	15:11 94	21:15 69S	02:44 269
2024 May 20 (Mon)	15:58 100	21:56 63S	03:17 263
2024 May 21 (Tue)	16:47 106	22:39 57S	03:51 257
2024 May 22 (Wed)	17:39 111	23:25 53S	04:28 252
2024 May 23 (Thu)	18:35 115		05:09 247
2024 May 24 (Fri)	19:33 118	00:16 49S	05:55 243
2024 May 25 (Sat)	20:33 120	01:11 46S	06:47 241
2024 May 26 (Sun)	21:31 119	02:09 45S	07:45 240
2024 May 27 (Mon)	22:26 117	03:08 46S	08:46 242
2024 May 28 (Tue)	23:16 113	04:06 49S	09:48 245
2024 May 29 (Wed)		05:01 53S	10:49 250
2024 May 30 (Thu)	00:02 107	05:53 59S	11:48 256
2024 May 31 (Fri)	00:44 101	06:43 65S	12:46 262
2024 Jun 01 (Sat)	01:24 94	07:31 72S	13:42 270
2024 Jun 02 (Sun)	02:04 87	08:19 79S	14:39 277
2024 Jun 03 (Mon)	02:44 80	09:09 86S	15:37 284
2024 Jun 04 (Tue)	03:27 73	10:00 89N	16:38 290
2024 Jun 05 (Wed)	04:14 67	10:56 84N	17:41 295
2024 Jun 06 (Thu)	05:06 63	11:54 80N	18:44 298
2024 Jun 07 (Fri)	06:02 61	12:54 79N	19:46 300
2024 Jun 08 (Sat)	07:01 60	13:53 79N	20:44 299
2024 Jun 09 (Sun)	08:00 62	14:49 81N	21:35 297
2024 Jun 10 (Mon)	08:58 65	15:41 84N	22:21 293
2024 Jun 11 (Tue)	09:52 69	16:29 88N	23:01 288
2024 Jun 12 (Wed)	10:43 74	17:12 88S	23:38 283
2024 Jun 13 (Thu)	11:32 80	17:53 82S	
2024 Jun 14 (Fri)	12:18 86	18:33 77S	00:11 277
2024 Jun 15 (Sat)	13:04 92	19:11 71S	00:43 271
2024 Jun 16 (Sun)	13:51 98	19:51 65S	01:15 265
2024 Jun 17 (Mon)	14:39 104	20:33 59S	01:48 259

2024 Jun 18 (Tue)	15:30	109	21:18	54S	02:24	254
2024 Jun 19 (Wed)	16:24	114	22:07	50S	03:03	249
2024 Jun 20 (Thu)	17:22	117	23:00	47S	03:47	244
2024 Jun 21 (Fri)	18:22	119	23:58	45S	04:38	242
2024 Jun 22 (Sat)	19:22	120			05:34	240
2024 Jun 23 (Sun)	20:19	118	00:58	46S	06:36	241
2024 Jun 24 (Mon)	21:12	114	01:58	48S	07:39	244
2024 Jun 25 (Tue)	22:00	109	02:56	52S	08:42	248
2024 Jun 26 (Wed)	22:44	103	03:50	57S	09:43	254
2024 Jun 27 (Thu)	23:25	96	04:41	63S	10:41	261
2024 Jun 28 (Fri)			05:29	70S	11:38	268
2024 Jun 29 (Sat)	00:04	89	06:17	77S	12:34	275
2024 Jun 30 (Sun)	00:43	81	07:05	84S	13:31	282
2024 Jul 01 (Mon)	01:25	75	07:55	90S	14:29	288
2024 Jul 02 (Tue)	02:09	69	08:47	86N	15:30	294
2024 Jul 03 (Wed)	02:58	64	09:43	82N	16:32	297
2024 Jul 04 (Thu)	03:51	61	10:41	79N	17:33	299
2024 Jul 05 (Fri)	04:48	60	11:40	79N	18:32	299
2024 Jul 06 (Sat)	05:47	61	12:38	80N	19:26	298
2024 Jul 07 (Sun)	06:46	64	13:31	83N	20:14	294
2024 Jul 08 (Mon)	07:42	67	14:21	87N	20:57	290
2024 Jul 09 (Tue)	08:35	72	15:07	90S	21:35	285
2024 Jul 10 (Wed)	09:24	78	15:49	85S	22:09	279
2024 Jul 11 (Thu)	10:12	84	16:29	79S	22:42	273
2024 Jul 12 (Fri)	10:58	90	17:08	73S	23:14	267
2024 Jul 13 (Sat)	11:44	96	17:47	67S	23:46	261
2024 Jul 14 (Sun)	12:31	102	18:27	61S		
2024 Jul 15 (Mon)	13:20	107	19:10	56S	00:20	256
2024 Jul 16 (Tue)	14:12	112	19:56	52S	00:57	251
2024 Jul 17 (Wed)	15:08	116	20:48	48S	01:39	246
2024 Jul 18 (Thu)	16:06	119	21:44	46S	02:26	243
2024 Jul 19 (Fri)	17:07	120	22:43	45S	03:20	241
2024 Jul 20 (Sat)	18:06	119	23:44	47S	04:19	240
2024 Jul 21 (Sun)	19:02	116			05:23	242
2024 Jul 22 (Mon)	19:53	111	00:44	50S	06:28	246
2024 Jul 23 (Tue)	20:40	105	01:41	55S	07:31	252
2024 Jul 24 (Wed)	21:23	98	02:34	61S	08:33	258
2024 Jul 25 (Thu)	22:03	91	03:25	68S	09:31	266
2024 Jul 26 (Fri)	22:43	83	04:14	75S	10:29	273
2024 Jul 27 (Sat)	23:24	77	05:02	82S	11:26	280
2024 Jul 28 (Sun)			05:52	89S	12:24	287
2024 Jul 29 (Mon)	00:07	70	06:44	87N	13:24	292
2024 Jul 30 (Tue)	00:54	66	07:38	82N	14:25	297
2024 Jul 31 (Wed)	01:46	62	08:35	80N	15:26	299
2024 Aug 01 (Thu)	02:41	60	09:33	78N	16:25	300
2024 Aug 02 (Fri)	03:39	61	10:30	79N	17:20	299
2024 Aug 03 (Sat)	04:37	62	11:24	81N	18:09	296
2024 Aug 04 (Sun)	05:33	66	12:15	85N	18:53	292
2024 Aug 05 (Mon)	06:27	70	13:02	90N	19:33	287
2024 Aug 06 (Tue)	07:18	76	13:45	87S	20:08	281
2024 Aug 07 (Wed)	08:06	81	14:26	81S	20:41	275
2024 Aug 08 (Thu)	08:52	87	15:05	75S	21:13	269
2024 Aug 09 (Fri)	09:38	94	15:43	69S	21:45	263
2024 Aug 10 (Sat)	10:24	100	16:23	63S	22:18	258
2024 Aug 11 (Sun)	11:12	105	17:04	58S	22:53	252
2024 Aug 12 (Mon)	12:02	110	17:49	53S	23:32	248
2024 Aug 13 (Tue)	12:55	115	18:37	49S		
2024 Aug 14 (Wed)	13:52	118	19:30	46S	00:16	244
2024 Aug 15 (Thu)	14:51	120	20:26	45S	01:06	241
2024 Aug 16 (Fri)	15:50	120	21:26	46S	02:02	240
2024 Aug 17 (Sat)	16:47	118	22:26	48S	03:04	241
2024 Aug 18 (Sun)	17:41	114	23:25	52S	04:08	244
2024 Aug 19 (Mon)	18:30	108			05:13	249
2024 Aug 20 (Tue)	19:15	101	00:21	58S	06:16	255
2024 Aug 21 (Wed)	19:58	94	01:14	65S	07:18	262
2024 Aug 22 (Thu)	20:39	86	02:05	72S	08:17	270
2024 Aug 23 (Fri)	21:21	79	02:56	80S	09:17	278

2024 Aug 24 (Sat)	22:04	72	03:46	87S	10:16	285
2024 Aug 25 (Sun)	22:51	67	04:39	88N	11:17	291
2024 Aug 26 (Mon)	23:42	63	05:33	84N	12:19	296
2024 Aug 27 (Tue)			06:30	80N	13:20	299
2024 Aug 28 (Wed)	00:36	61	07:28	78N	14:20	300
2024 Aug 29 (Thu)	01:33	60	08:25	79N	15:16	299
2024 Aug 30 (Fri)	02:31	62	09:20	80N	16:07	297
2024 Aug 31 (Sat)	03:28	65	10:11	84N	16:52	293
2024 Sep 01 (Sun)	04:22	69	10:59	88N	17:32	289
2024 Sep 02 (Mon)	05:13	74	11:43	88S	18:09	283
2024 Sep 03 (Tue)	06:02	79	12:24	83S	18:42	278
2024 Sep 04 (Wed)	06:49	85	13:03	77S	19:14	272
2024 Sep 05 (Thu)	07:34	92	13:42	71S	19:46	265
2024 Sep 06 (Fri)	08:20	98	14:21	65S	20:18	260
2024 Sep 07 (Sat)	09:07	103	15:01	60S	20:53	254
2024 Sep 08 (Sun)	09:56	109	15:44	55S	21:30	249
2024 Sep 09 (Mon)	10:47	113	16:30	51S	22:11	245
2024 Sep 10 (Tue)	11:42	117	17:20	47S	22:57	242
2024 Sep 11 (Wed)	12:38	119	18:14	45S	23:49	240
2024 Sep 12 (Thu)	13:36	120	19:11	45S		
2024 Sep 13 (Fri)	14:33	119	20:10	46S	00:47	240
2024 Sep 14 (Sat)	15:27	116	21:08	50S	01:48	242
2024 Sep 15 (Sun)	16:17	111	22:04	55S	02:52	246
2024 Sep 16 (Mon)	17:04	105	22:59	61S	03:55	252
2024 Sep 17 (Tue)	17:48	98	23:51	68S	04:57	258
2024 Sep 18 (Wed)	18:30	90			05:58	266
2024 Sep 19 (Thu)	19:13	82	00:42	76S	06:59	274
2024 Sep 20 (Fri)	19:57	75	01:34	84S	08:01	282
2024 Sep 21 (Sat)	20:44	69	02:28	90S	09:03	289
2024 Sep 22 (Sun)	21:35	64	03:23	85N	10:07	294
2024 Sep 23 (Mon)	22:29	61	04:21	81N	11:11	298
2024 Sep 24 (Tue)	23:27	60	05:21	79N	12:13	300
2024 Sep 25 (Wed)			06:20	78N	13:11	300
2024 Sep 26 (Thu)	00:25	61	07:16	80N	14:04	298
2024 Sep 27 (Fri)	01:23	63	08:09	82N	14:51	295
2024 Sep 28 (Sat)	02:18	67	08:57	86N	15:33	290
2024 Sep 29 (Sun)	03:10	72	09:42	90S	16:10	285
2024 Sep 30 (Mon)	03:59	78	10:23	85S	16:44	279
2024 Oct 01 (Tue)	04:46	83	11:03	79S	17:17	274
2024 Oct 02 (Wed)	05:32	89	11:42	73S	17:48	267
2024 Oct 03 (Thu)	06:18	96	12:21	67S	18:20	262
2024 Oct 04 (Fri)	07:04	101	13:01	62S	18:54	256
2024 Oct 05 (Sat)	07:52	107	13:42	56S	19:30	251
2024 Oct 06 (Sun)	08:43	112	14:27	52S	20:09	246
2024 Oct 07 (Mon)	09:36	116	15:16	48S	20:53	243
2024 Oct 08 (Tue)	10:31	119	16:07	46S	21:43	241
2024 Oct 09 (Wed)	11:27	120	17:02	45S	22:37	240
2024 Oct 10 (Thu)	12:23	120	17:59	46S	23:36	241
2024 Oct 11 (Fri)	13:17	117	18:55	48S		
2024 Oct 12 (Sat)	14:07	114	19:51	52S	00:36	244
2024 Oct 13 (Sun)	14:53	108	20:44	58S	01:37	249
2024 Oct 14 (Mon)	15:37	102	21:36	64S	02:38	255
2024 Oct 15 (Tue)	16:19	94	22:26	72S	03:38	262
2024 Oct 16 (Wed)	17:01	86	23:18	80S	04:38	270
2024 Oct 17 (Thu)	17:45	79			05:39	278
2024 Oct 18 (Fri)	18:31	72	00:11	87S	06:42	285
2024 Oct 19 (Sat)	19:21	66	01:06	88N	07:46	291
2024 Oct 20 (Sun)	20:16	62	02:05	83N	08:53	296
2024 Oct 21 (Mon)	21:15	60	03:06	80N	09:58	299
2024 Oct 22 (Tue)	22:15	60	04:08	78N	11:01	300
2024 Oct 23 (Wed)	23:15	62	05:07	79N	11:58	299
2024 Oct 24 (Thu)			06:03	81N	12:48	296
2024 Oct 25 (Fri)	00:12	66	06:53	85N	13:32	292
2024 Oct 26 (Sat)	01:05	70	07:40	90N	14:11	287
2024 Oct 27 (Sun)	01:55	76	08:22	87S	14:46	281
2024 Oct 28 (Mon)	02:43	81	09:03	81S	15:18	275
2024 Oct 29 (Tue)	03:29	87	09:42	75S	15:50	269

2024	Oct	30	(Wed)	04:15	94	10:20	69S	16:22	263
2024	Oct	31	(Thu)	05:01	100	11:00	63S	16:55	258
2024	Nov	01	(Fri)	05:49	105	11:41	58S	17:30	252
2024	Nov	02	(Sat)	06:39	110	12:25	53S	18:09	248
2024	Nov	03	(Sun)	07:31	115	13:13	49S	18:52	244
2024	Nov	04	(Mon)	08:26	118	14:04	47S	19:40	241
2024	Nov	05	(Tue)	09:22	120	14:58	45S	20:33	240
2024	Nov	06	(Wed)	10:18	120	15:53	45S	21:29	241
2024	Nov	07	(Thu)	11:12	118	16:49	47S	22:28	243
2024	Nov	08	(Fri)	12:02	115	17:43	51S	23:28	247
2024	Nov	09	(Sat)	12:48	110	18:36	56S		
2024	Nov	10	(Sun)	13:31	104	19:26	62S	00:26	252
2024	Nov	11	(Mon)	14:12	97	20:15	68S	01:24	259
2024	Nov	12	(Tue)	14:52	90	21:04	76S	02:22	266
2024	Nov	13	(Wed)	15:34	83	21:54	83S	03:20	274
2024	Nov	14	(Thu)	16:17	75	22:48	90S	04:20	281
2024	Nov	15	(Fri)	17:05	69	23:45	85N	05:23	288
2024	Nov	16	(Sat)	17:58	64			06:29	294
2024	Nov	17	(Sun)	18:56	61	00:46	81N	07:36	298
2024	Nov	18	(Mon)	19:58	60	01:49	79N	08:42	300
2024	Nov	19	(Tue)	21:00	61	02:51	79N	09:43	299
2024	Nov	20	(Wed)	22:00	64	03:50	80N	10:38	297
2024	Nov	21	(Thu)	22:57	69	04:45	83N	11:26	293
2024	Nov	22	(Fri)	23:49	74	05:34	88N	12:08	289
2024	Nov	23	(Sat)			06:19	88S	12:45	283
2024	Nov	24	(Sun)	00:38	79	07:00	83S	13:19	277
2024	Nov	25	(Mon)	01:25	85	07:40	77S	13:51	272
2024	Nov	26	(Tue)	02:11	92	08:18	71S	14:23	266
2024	Nov	27	(Wed)	02:57	98	08:58	65S	14:55	260
2024	Nov	28	(Thu)	03:44	103	09:38	60S	15:29	254
2024	Nov	29	(Fri)	04:33	109	10:21	55S	16:07	249
2024	Nov	30	(Sat)	05:25	113	11:08	51S	16:49	245
2024	Dec	01	(Sun)	06:20	117	11:59	47S	17:36	242
2024	Dec	02	(Mon)	07:16	119	12:52	46S	18:28	240
2024	Dec	03	(Tue)	08:13	120	13:48	45S	19:24	240
2024	Dec	04	(Wed)	09:08	119	14:45	47S	20:23	242
2024	Dec	05	(Thu)	09:59	116	15:40	50S	21:23	246
2024	Dec	06	(Fri)	10:46	112	16:32	54S	22:21	251
2024	Dec	07	(Sat)	11:30	106	17:22	60S	23:18	257
2024	Dec	08	(Sun)	12:10	100	18:10	66S		
2024	Dec	09	(Mon)	12:49	93	18:58	73S	00:14	264
2024	Dec	10	(Tue)	13:29	85	19:45	80S	01:10	271
2024	Dec	11	(Wed)	14:09	78	20:36	87S	02:07	278
2024	Dec	12	(Thu)	14:54	72	21:29	88N	03:06	285
2024	Dec	13	(Fri)	15:43	66	22:27	83N	04:09	291
2024	Dec	14	(Sat)	16:38	62	23:28	80N	05:14	296
2024	Dec	15	(Sun)	17:38	60			06:20	299
2024	Dec	16	(Mon)	18:41	61	00:31	78N	07:24	300
2024	Dec	17	(Tue)	19:43	63	01:33	79N	08:23	298
2024	Dec	18	(Wed)	20:43	67	02:31	82N	09:15	295
2024	Dec	19	(Thu)	21:38	72	03:24	86N	10:01	291
2024	Dec	20	(Fri)	22:30	77	04:11	91S	10:41	285
2024	Dec	21	(Sat)	23:18	83	04:55	85S	11:16	280
2024	Dec	22	(Sun)			05:36	79S	11:49	274
2024	Dec	23	(Mon)	00:05	89	06:15	73S	12:21	268
2024	Dec	24	(Tue)	00:51	95	06:54	67S	12:54	262
2024	Dec	25	(Wed)	01:37	101	07:34	62S	13:27	256
2024	Dec	26	(Thu)	02:25	107	08:16	57S	14:03	251
2024	Dec	27	(Fri)	03:16	112	09:01	52S	14:43	246
2024	Dec	28	(Sat)	04:10	116	09:50	48S	15:28	243
2024	Dec	29	(Sun)	05:06	118	10:43	46S	16:19	241
2024	Dec	30	(Mon)	06:03	120	11:39	45S	17:15	240
2024	Dec	31	(Tue)	07:00	119	12:36	46S	18:14	242