

Sun

PathumThani

Location: E100°33'28.8", N14°00'03.5", 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)	05:52	06:41 114		12:21 54S	18:00 246		18:50
2024 Jan 02 (Tue)	05:52	06:42 114		12:21 54S	18:01 247		18:51
2024 Jan 03 (Wed)	05:53	06:42 113		12:22 54S	18:02 247		18:51
2024 Jan 04 (Thu)	05:53	06:43 113		12:22 54S	18:02 247		18:52
2024 Jan 05 (Fri)	05:53	06:43 113		12:23 54S	18:03 247		18:52
2024 Jan 06 (Sat)	05:54	06:43 113		12:23 54S	18:03 247		18:53
2024 Jan 07 (Sun)	05:54	06:44 113		12:24 54S	18:04 247		18:53
2024 Jan 08 (Mon)	05:54	06:44 113		12:24 54S	18:05 247		18:54
2024 Jan 09 (Tue)	05:55	06:44 113		12:25 55S	18:05 247		18:55
2024 Jan 10 (Wed)	05:55	06:44 113		12:25 55S	18:06 248		18:55
2024 Jan 11 (Thu)	05:55	06:45 112		12:25 55S	18:06 248		18:56
2024 Jan 12 (Fri)	05:56	06:45 112		12:26 55S	18:07 248		18:56
2024 Jan 13 (Sat)	05:56	06:45 112		12:26 55S	18:07 248		18:57
2024 Jan 14 (Sun)	05:56	06:45 112		12:27 55S	18:08 248		18:57
2024 Jan 15 (Mon)	05:56	06:45 112		12:27 55S	18:09 248		18:58
2024 Jan 16 (Tue)	05:56	06:46 112		12:27 56S	18:09 249		18:58
2024 Jan 17 (Wed)	05:57	06:46 111		12:28 56S	18:10 249		18:59
2024 Jan 18 (Thu)	05:57	06:46 111		12:28 56S	18:10 249		18:59
2024 Jan 19 (Fri)	05:57	06:46 111		12:28 56S	18:11 249		19:00
2024 Jan 20 (Sat)	05:57	06:46 111		12:29 56S	18:11 249		19:00
2024 Jan 21 (Sun)	05:57	06:46 110		12:29 57S	18:12 250		19:01
2024 Jan 22 (Mon)	05:57	06:46 110		12:29 57S	18:12 250		19:01
2024 Jan 23 (Tue)	05:57	06:46 110		12:29 57S	18:13 250		19:01
2024 Jan 24 (Wed)	05:58	06:46 110		12:30 57S	18:13 250		19:02
2024 Jan 25 (Thu)	05:58	06:46 110		12:30 58S	18:14 251		19:02
2024 Jan 26 (Fri)	05:58	06:46 109		12:30 58S	18:14 251		19:03
2024 Jan 27 (Sat)	05:58	06:46 109		12:30 58S	18:15 251		19:03
2024 Jan 28 (Sun)	05:58	06:46 109		12:31 58S	18:15 251		19:04
2024 Jan 29 (Mon)	05:58	06:46 108		12:31 59S	18:16 252		19:04
2024 Jan 30 (Tue)	05:58	06:46 108		12:31 59S	18:16 252		19:04
2024 Jan 31 (Wed)	05:58	06:46 108		12:31 59S	18:17 252		19:05
2024 Feb 01 (Thu)	05:57	06:45 108		12:31 59S	18:17 253		19:05
2024 Feb 02 (Fri)	05:57	06:45 107		12:31 60S	18:18 253		19:05
2024 Feb 03 (Sat)	05:57	06:45 107		12:31 60S	18:18 253		19:06
2024 Feb 04 (Sun)	05:57	06:45 107		12:32 60S	18:18 253		19:06
2024 Feb 05 (Mon)	05:57	06:45 106		12:32 61S	18:19 254		19:07
2024 Feb 06 (Tue)	05:57	06:44 106		12:32 61S	18:19 254		19:07
2024 Feb 07 (Wed)	05:57	06:44 106		12:32 61S	18:20 254		19:07
2024 Feb 08 (Thu)	05:56	06:44 105		12:32 62S	18:20 255		19:08
2024 Feb 09 (Fri)	05:56	06:44 105		12:32 62S	18:20 255		19:08
2024 Feb 10 (Sat)	05:56	06:43 105		12:32 62S	18:21 255		19:08
2024 Feb 11 (Sun)	05:56	06:43 104		12:32 63S	18:21 256		19:08
2024 Feb 12 (Mon)	05:55	06:43 104		12:32 63S	18:21 256		19:09
2024 Feb 13 (Tue)	05:55	06:42 104		12:32 63S	18:22 256		19:09
2024 Feb 14 (Wed)	05:55	06:42 103		12:32 64S	18:22 257		19:09
2024 Feb 15 (Thu)	05:55	06:42 103		12:32 64S	18:22 257		19:09
2024 Feb 16 (Fri)	05:54	06:41 103		12:32 64S	18:23 257		19:10
2024 Feb 17 (Sat)	05:54	06:41 102		12:32 65S	18:23 258		19:10
2024 Feb 18 (Sun)	05:53	06:40 102		12:32 65S	18:23 258		19:10
2024 Feb 19 (Mon)	05:53	06:40 102		12:32 65S	18:24 258		19:10
2024 Feb 20 (Tue)	05:53	06:39 101		12:32 66S	18:24 259		19:11
2024 Feb 21 (Wed)	05:52	06:39 101		12:31 66S	18:24 259		19:11
2024 Feb 22 (Thu)	05:52	06:38 101		12:31 66S	18:24 260		19:11
2024 Feb 23 (Fri)	05:51	06:38 100		12:31 67S	18:25 260		19:11
2024 Feb 24 (Sat)	05:51	06:37 100		12:31 67S	18:25 260		19:11

2024	Feb	25	(Sun)	05:50	06:37	99	12:31	67S	18:25	261	19:12
2024	Feb	26	(Mon)	05:50	06:36	99	12:31	68S	18:25	261	19:12
2024	Feb	27	(Tue)	05:49	06:36	99	12:31	68S	18:26	262	19:12
2024	Feb	28	(Wed)	05:49	06:35	98	12:30	69S	18:26	262	19:12
2024	Feb	29	(Thu)	05:48	06:35	98	12:30	69S	18:26	262	19:12
2024	Mar	01	(Fri)	05:48	06:34	98	12:30	69S	18:26	263	19:12
2024	Mar	02	(Sat)	05:47	06:34	97	12:30	70S	18:26	263	19:13
2024	Mar	03	(Sun)	05:47	06:33	97	12:30	70S	18:26	263	19:13
2024	Mar	04	(Mon)	05:46	06:32	96	12:29	70S	18:27	264	19:13
2024	Mar	05	(Tue)	05:46	06:32	96	12:29	71S	18:27	264	19:13
2024	Mar	06	(Wed)	05:45	06:31	96	12:29	71S	18:27	265	19:13
2024	Mar	07	(Thu)	05:44	06:31	95	12:29	72S	18:27	265	19:13
2024	Mar	08	(Fri)	05:44	06:30	95	12:28	72S	18:27	265	19:13
2024	Mar	09	(Sat)	05:43	06:29	94	12:28	72S	18:27	266	19:13
2024	Mar	10	(Sun)	05:43	06:29	94	12:28	73S	18:28	266	19:14
2024	Mar	11	(Mon)	05:42	06:28	94	12:28	73S	18:28	267	19:14
2024	Mar	12	(Tue)	05:41	06:27	93	12:27	74S	18:28	267	19:14
2024	Mar	13	(Wed)	05:41	06:27	93	12:27	74S	18:28	267	19:14
2024	Mar	14	(Thu)	05:40	06:26	92	12:27	74S	18:28	268	19:14
2024	Mar	15	(Fri)	05:39	06:25	92	12:27	75S	18:28	268	19:14
2024	Mar	16	(Sat)	05:39	06:25	91	12:26	75S	18:28	269	19:14
2024	Mar	17	(Sun)	05:38	06:24	91	12:26	76S	18:28	269	19:14
2024	Mar	18	(Mon)	05:37	06:23	91	12:26	76S	18:28	270	19:15
2024	Mar	19	(Tue)	05:37	06:23	90	12:25	76S	18:29	270	19:15
2024	Mar	20	(Wed)	05:36	06:22	90	12:25	77S	18:29	270	19:15
2024	Mar	21	(Thu)	05:35	06:21	89	12:25	77S	18:29	271	19:15
2024	Mar	22	(Fri)	05:34	06:20	89	12:25	78S	18:29	271	19:15
2024	Mar	23	(Sat)	05:34	06:20	89	12:24	78S	18:29	272	19:15
2024	Mar	24	(Sun)	05:33	06:19	88	12:24	78S	18:29	272	19:15
2024	Mar	25	(Mon)	05:32	06:18	88	12:24	79S	18:29	272	19:15
2024	Mar	26	(Tue)	05:32	06:18	87	12:23	79S	18:29	273	19:15
2024	Mar	27	(Wed)	05:31	06:17	87	12:23	79S	18:29	273	19:15
2024	Mar	28	(Thu)	05:30	06:16	87	12:23	80S	18:29	274	19:16
2024	Mar	29	(Fri)	05:29	06:16	86	12:22	80S	18:29	274	19:16
2024	Mar	30	(Sat)	05:29	06:15	86	12:22	81S	18:30	274	19:16
2024	Mar	31	(Sun)	05:28	06:14	85	12:22	81S	18:30	275	19:16
2024	Apr	01	(Mon)	05:27	06:14	85	12:22	81S	18:30	275	19:16
2024	Apr	02	(Tue)	05:27	06:13	85	12:21	82S	18:30	276	19:16
2024	Apr	03	(Wed)	05:26	06:12	84	12:21	82S	18:30	276	19:16
2024	Apr	04	(Thu)	05:25	06:12	84	12:21	83S	18:30	276	19:17
2024	Apr	05	(Fri)	05:24	06:11	83	12:20	83S	18:30	277	19:17
2024	Apr	06	(Sat)	05:24	06:10	83	12:20	83S	18:30	277	19:17
2024	Apr	07	(Sun)	05:23	06:10	83	12:20	84S	18:30	278	19:17
2024	Apr	08	(Mon)	05:22	06:09	82	12:20	84S	18:30	278	19:17
2024	Apr	09	(Tue)	05:22	06:08	82	12:19	84S	18:31	278	19:17
2024	Apr	10	(Wed)	05:21	06:08	82	12:19	85S	18:31	279	19:17
2024	Apr	11	(Thu)	05:20	06:07	81	12:19	85S	18:31	279	19:18
2024	Apr	12	(Fri)	05:19	06:06	81	12:18	86S	18:31	279	19:18
2024	Apr	13	(Sat)	05:19	06:06	80	12:18	86S	18:31	280	19:18
2024	Apr	14	(Sun)	05:18	06:05	80	12:18	86S	18:31	280	19:18
2024	Apr	15	(Mon)	05:17	06:04	80	12:18	87S	18:31	281	19:18
2024	Apr	16	(Tue)	05:17	06:04	79	12:18	87S	18:31	281	19:19
2024	Apr	17	(Wed)	05:16	06:03	79	12:17	87S	18:32	281	19:19
2024	Apr	18	(Thu)	05:15	06:03	79	12:17	88S	18:32	282	19:19
2024	Apr	19	(Fri)	05:15	06:02	78	12:17	88S	18:32	282	19:19
2024	Apr	20	(Sat)	05:14	06:01	78	12:17	88S	18:32	282	19:19
2024	Apr	21	(Sun)	05:13	06:01	77	12:16	89S	18:32	283	19:20
2024	Apr	22	(Mon)	05:13	06:00	77	12:16	89S	18:32	283	19:20
2024	Apr	23	(Tue)	05:12	06:00	77	12:16	89S	18:32	283	19:20
2024	Apr	24	(Wed)	05:12	05:59	76	12:16	90S	18:33	284	19:20
2024	Apr	25	(Thu)	05:11	05:59	76	12:16	90S	18:33	284	19:21
2024	Apr	26	(Fri)	05:10	05:58	76	12:16	90S	18:33	284	19:21
2024	Apr	27	(Sat)	05:10	05:58	75	12:15	91S	18:33	285	19:21
2024	Apr	28	(Sun)	05:09	05:57	75	12:15	90N	18:33	285	19:21
2024	Apr	29	(Mon)	05:09	05:57	75	12:15	90N	18:34	285	19:22
2024	Apr	30	(Tue)	05:08	05:56	74	12:15	90N	18:34	286	19:22
2024	May	01	(Wed)	05:08	05:56	74	12:15	89N	18:34	286	19:22

2024	May	02	(Thu)	05:07	05:55	74	12:15	89N	18:34	286	19:23
2024	May	03	(Fri)	05:07	05:55	74	12:15	89N	18:34	287	19:23
2024	May	04	(Sat)	05:06	05:55	73	12:15	89N	18:35	287	19:23
2024	May	05	(Sun)	05:06	05:54	73	12:14	88N	18:35	287	19:24
2024	May	06	(Mon)	05:05	05:54	73	12:14	88N	18:35	287	19:24
2024	May	07	(Tue)	05:05	05:53	72	12:14	88N	18:35	288	19:24
2024	May	08	(Wed)	05:04	05:53	72	12:14	87N	18:36	288	19:25
2024	May	09	(Thu)	05:04	05:53	72	12:14	87N	18:36	288	19:25
2024	May	10	(Fri)	05:03	05:52	72	12:14	87N	18:36	289	19:25
2024	May	11	(Sat)	05:03	05:52	71	12:14	87N	18:36	289	19:26
2024	May	12	(Sun)	05:03	05:52	71	12:14	86N	18:37	289	19:26
2024	May	13	(Mon)	05:02	05:51	71	12:14	86N	18:37	289	19:26
2024	May	14	(Tue)	05:02	05:51	70	12:14	86N	18:37	290	19:27
2024	May	15	(Wed)	05:01	05:51	70	12:14	86N	18:38	290	19:27
2024	May	16	(Thu)	05:01	05:51	70	12:14	85N	18:38	290	19:27
2024	May	17	(Fri)	05:01	05:50	70	12:14	85N	18:38	290	19:28
2024	May	18	(Sat)	05:00	05:50	70	12:14	85N	18:38	291	19:28
2024	May	19	(Sun)	05:00	05:50	69	12:14	85N	18:39	291	19:29
2024	May	20	(Mon)	05:00	05:50	69	12:14	85N	18:39	291	19:29
2024	May	21	(Tue)	05:00	05:50	69	12:14	84N	18:39	291	19:29
2024	May	22	(Wed)	04:59	05:49	69	12:14	84N	18:40	291	19:30
2024	May	23	(Thu)	04:59	05:49	68	12:15	84N	18:40	292	19:30
2024	May	24	(Fri)	04:59	05:49	68	12:15	84N	18:40	292	19:30
2024	May	25	(Sat)	04:59	05:49	68	12:15	84N	18:41	292	19:31
2024	May	26	(Sun)	04:59	05:49	68	12:15	83N	18:41	292	19:31
2024	May	27	(Mon)	04:58	05:49	68	12:15	83N	18:41	292	19:32
2024	May	28	(Tue)	04:58	05:49	68	12:15	83N	18:41	293	19:32
2024	May	29	(Wed)	04:58	05:49	67	12:15	83N	18:42	293	19:32
2024	May	30	(Thu)	04:58	05:49	67	12:15	83N	18:42	293	19:33
2024	May	31	(Fri)	04:58	05:49	67	12:16	83N	18:42	293	19:33
2024	Jun	01	(Sat)	04:58	05:49	67	12:16	83N	18:43	293	19:33
2024	Jun	02	(Sun)	04:58	05:49	67	12:16	82N	18:43	293	19:34
2024	Jun	03	(Mon)	04:58	05:49	67	12:16	82N	18:43	293	19:34
2024	Jun	04	(Tue)	04:58	05:49	67	12:16	82N	18:44	293	19:35
2024	Jun	05	(Wed)	04:58	05:49	66	12:16	82N	18:44	294	19:35
2024	Jun	06	(Thu)	04:58	05:49	66	12:17	82N	18:44	294	19:35
2024	Jun	07	(Fri)	04:58	05:49	66	12:17	82N	18:45	294	19:36
2024	Jun	08	(Sat)	04:58	05:49	66	12:17	82N	18:45	294	19:36
2024	Jun	09	(Sun)	04:58	05:49	66	12:17	82N	18:45	294	19:36
2024	Jun	10	(Mon)	04:58	05:49	66	12:17	82N	18:45	294	19:37
2024	Jun	11	(Tue)	04:58	05:49	66	12:17	82N	18:46	294	19:37
2024	Jun	12	(Wed)	04:58	05:49	66	12:18	82N	18:46	294	19:37
2024	Jun	13	(Thu)	04:58	05:50	66	12:18	81N	18:46	294	19:38
2024	Jun	14	(Fri)	04:58	05:50	66	12:18	81N	18:47	294	19:38
2024	Jun	15	(Sat)	04:59	05:50	66	12:18	81N	18:47	294	19:38
2024	Jun	16	(Sun)	04:59	05:50	66	12:19	81N	18:47	294	19:38
2024	Jun	17	(Mon)	04:59	05:50	66	12:19	81N	18:47	294	19:39
2024	Jun	18	(Tue)	04:59	05:50	66	12:19	81N	18:48	294	19:39
2024	Jun	19	(Wed)	04:59	05:51	66	12:19	81N	18:48	294	19:39
2024	Jun	20	(Thu)	04:59	05:51	66	12:19	81N	18:48	294	19:39
2024	Jun	21	(Fri)	05:00	05:51	66	12:20	81N	18:48	294	19:40
2024	Jun	22	(Sat)	05:00	05:51	66	12:20	81N	18:48	294	19:40
2024	Jun	23	(Sun)	05:00	05:51	66	12:20	81N	18:49	294	19:40
2024	Jun	24	(Mon)	05:00	05:52	66	12:20	81N	18:49	294	19:40
2024	Jun	25	(Tue)	05:01	05:52	66	12:20	81N	18:49	294	19:40
2024	Jun	26	(Wed)	05:01	05:52	66	12:21	81N	18:49	294	19:40
2024	Jun	27	(Thu)	05:01	05:52	66	12:21	81N	18:49	294	19:41
2024	Jun	28	(Fri)	05:01	05:53	66	12:21	81N	18:49	294	19:41
2024	Jun	29	(Sat)	05:02	05:53	66	12:21	82N	18:50	294	19:41
2024	Jun	30	(Sun)	05:02	05:53	66	12:22	82N	18:50	294	19:41
2024	Jul	01	(Mon)	05:02	05:54	66	12:22	82N	18:50	294	19:41
2024	Jul	02	(Tue)	05:03	05:54	66	12:22	82N	18:50	294	19:41
2024	Jul	03	(Wed)	05:03	05:54	66	12:22	82N	18:50	294	19:41
2024	Jul	04	(Thu)	05:03	05:54	66	12:22	82N	18:50	294	19:41
2024	Jul	05	(Fri)	05:04	05:55	66	12:22	82N	18:50	294	19:41
2024	Jul	06	(Sat)	05:04	05:55	66	12:23	82N	18:50	294	19:41
2024	Jul	07	(Sun)	05:04	05:55	66	12:23	82N	18:50	293	19:41

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

2024	Sep	13	(Fri)	05:20	06:07	86	12:14	80S	18:20	274	19:07
2024	Sep	14	(Sat)	05:20	06:07	86	12:13	80S	18:20	273	19:06
2024	Sep	15	(Sun)	05:20	06:07	87	12:13	80S	18:19	273	19:05
2024	Sep	16	(Mon)	05:20	06:07	87	12:13	79S	18:18	273	19:04
2024	Sep	17	(Tue)	05:21	06:07	88	12:12	79S	18:17	272	19:04
2024	Sep	18	(Wed)	05:21	06:07	88	12:12	78S	18:17	272	19:03
2024	Sep	19	(Thu)	05:21	06:07	88	12:11	78S	18:16	271	19:02
2024	Sep	20	(Fri)	05:21	06:07	89	12:11	78S	18:15	271	19:01
2024	Sep	21	(Sat)	05:21	06:07	89	12:11	77S	18:14	271	19:01
2024	Sep	22	(Sun)	05:21	06:07	90	12:10	77S	18:14	270	19:00
2024	Sep	23	(Mon)	05:21	06:07	90	12:10	76S	18:13	270	18:59
2024	Sep	24	(Tue)	05:21	06:07	90	12:10	76S	18:12	269	18:58
2024	Sep	25	(Wed)	05:21	06:07	91	12:09	76S	18:12	269	18:58
2024	Sep	26	(Thu)	05:21	06:07	91	12:09	75S	18:11	269	18:57
2024	Sep	27	(Fri)	05:21	06:07	92	12:09	75S	18:10	268	18:56
2024	Sep	28	(Sat)	05:21	06:07	92	12:08	74S	18:09	268	18:55
2024	Sep	29	(Sun)	05:21	06:07	92	12:08	74S	18:09	267	18:55
2024	Sep	30	(Mon)	05:21	06:07	93	12:08	74S	18:08	267	18:54
2024	Oct	01	(Tue)	05:21	06:07	93	12:07	73S	18:07	267	18:53
2024	Oct	02	(Wed)	05:21	06:07	94	12:07	73S	18:07	266	18:53
2024	Oct	03	(Thu)	05:21	06:07	94	12:07	73S	18:06	266	18:52
2024	Oct	04	(Fri)	05:21	06:07	94	12:06	72S	18:05	265	18:51
2024	Oct	05	(Sat)	05:21	06:08	95	12:06	72S	18:04	265	18:51
2024	Oct	06	(Sun)	05:22	06:08	95	12:06	71S	18:04	265	18:50
2024	Oct	07	(Mon)	05:22	06:08	96	12:06	71S	18:03	264	18:49
2024	Oct	08	(Tue)	05:22	06:08	96	12:05	71S	18:02	264	18:49
2024	Oct	09	(Wed)	05:22	06:08	96	12:05	70S	18:02	263	18:48
2024	Oct	10	(Thu)	05:22	06:08	97	12:05	70S	18:01	263	18:47
2024	Oct	11	(Fri)	05:22	06:08	97	12:04	70S	18:01	263	18:47
2024	Oct	12	(Sat)	05:22	06:08	98	12:04	69S	18:00	262	18:46
2024	Oct	13	(Sun)	05:22	06:08	98	12:04	69S	17:59	262	18:46
2024	Oct	14	(Mon)	05:22	06:09	98	12:04	68S	17:59	262	18:45
2024	Oct	15	(Tue)	05:22	06:09	99	12:03	68S	17:58	261	18:44
2024	Oct	16	(Wed)	05:22	06:09	99	12:03	68S	17:57	261	18:44
2024	Oct	17	(Thu)	05:23	06:09	99	12:03	67S	17:57	260	18:43
2024	Oct	18	(Fri)	05:23	06:09	100	12:03	67S	17:56	260	18:43
2024	Oct	19	(Sat)	05:23	06:09	100	12:03	67S	17:56	260	18:42
2024	Oct	20	(Sun)	05:23	06:10	101	12:03	66S	17:55	259	18:42
2024	Oct	21	(Mon)	05:23	06:10	101	12:02	66S	17:55	259	18:41
2024	Oct	22	(Tue)	05:23	06:10	101	12:02	65S	17:54	259	18:41
2024	Oct	23	(Wed)	05:23	06:10	102	12:02	65S	17:54	258	18:41
2024	Oct	24	(Thu)	05:24	06:10	102	12:02	65S	17:53	258	18:40
2024	Oct	25	(Fri)	05:24	06:11	102	12:02	64S	17:53	257	18:40
2024	Oct	26	(Sat)	05:24	06:11	103	12:02	64S	17:52	257	18:39
2024	Oct	27	(Sun)	05:24	06:11	103	12:02	64S	17:52	257	18:39
2024	Oct	28	(Mon)	05:24	06:11	103	12:02	63S	17:51	256	18:39
2024	Oct	29	(Tue)	05:25	06:12	104	12:01	63S	17:51	256	18:38
2024	Oct	30	(Wed)	05:25	06:12	104	12:01	63S	17:51	256	18:38
2024	Oct	31	(Thu)	05:25	06:12	104	12:01	62S	17:50	255	18:38
2024	Nov	01	(Fri)	05:25	06:13	105	12:01	62S	17:50	255	18:37
2024	Nov	02	(Sat)	05:26	06:13	105	12:01	62S	17:50	255	18:37
2024	Nov	03	(Sun)	05:26	06:13	105	12:01	61S	17:49	254	18:37
2024	Nov	04	(Mon)	05:26	06:14	106	12:01	61S	17:49	254	18:37
2024	Nov	05	(Tue)	05:26	06:14	106	12:01	61S	17:49	254	18:36
2024	Nov	06	(Wed)	05:27	06:14	106	12:01	61S	17:48	254	18:36
2024	Nov	07	(Thu)	05:27	06:15	107	12:01	60S	17:48	253	18:36
2024	Nov	08	(Fri)	05:27	06:15	107	12:02	60S	17:48	253	18:36
2024	Nov	09	(Sat)	05:28	06:15	107	12:02	60S	17:48	253	18:36
2024	Nov	10	(Sun)	05:28	06:16	108	12:02	59S	17:47	252	18:35
2024	Nov	11	(Mon)	05:28	06:16	108	12:02	59S	17:47	252	18:35
2024	Nov	12	(Tue)	05:29	06:17	108	12:02	59S	17:47	252	18:35
2024	Nov	13	(Wed)	05:29	06:17	108	12:02	59S	17:47	251	18:35
2024	Nov	14	(Thu)	05:29	06:17	109	12:02	58S	17:47	251	18:35
2024	Nov	15	(Fri)	05:30	06:18	109	12:02	58S	17:47	251	18:35
2024	Nov	16	(Sat)	05:30	06:18	109	12:03	58S	17:47	251	18:35
2024	Nov	17	(Sun)	05:30	06:19	109	12:03	58S	17:47	250	18:35
2024	Nov	18	(Mon)	05:31	06:19	110	12:03	57S	17:47	250	18:35

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

Sun

PathumThani

Location: E100°33'28.8", N14°00'03.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m				
2024	Jan	01	(Mon)	06:18	06:41	114	12:21	54S	18:00	246	18:24
2024	Jan	02	(Tue)	06:19	06:42	114	12:21	54S	18:01	247	18:24
2024	Jan	03	(Wed)	06:19	06:42	113	12:22	54S	18:02	247	18:25
2024	Jan	04	(Thu)	06:19	06:43	113	12:22	54S	18:02	247	18:25
2024	Jan	05	(Fri)	06:20	06:43	113	12:23	54S	18:03	247	18:26
2024	Jan	06	(Sat)	06:20	06:43	113	12:23	54S	18:03	247	18:26
2024	Jan	07	(Sun)	06:21	06:44	113	12:24	54S	18:04	247	18:27
2024	Jan	08	(Mon)	06:21	06:44	113	12:24	54S	18:05	247	18:28
2024	Jan	09	(Tue)	06:21	06:44	113	12:25	55S	18:05	247	18:28
2024	Jan	10	(Wed)	06:21	06:44	113	12:25	55S	18:06	248	18:29
2024	Jan	11	(Thu)	06:22	06:45	112	12:25	55S	18:06	248	18:29

2024	Jan	12	(Fri)	06:22	06:45	112	12:26	55S	18:07	248	18:30
2024	Jan	13	(Sat)	06:22	06:45	112	12:26	55S	18:07	248	18:30
2024	Jan	14	(Sun)	06:22	06:45	112	12:27	55S	18:08	248	18:31
2024	Jan	15	(Mon)	06:23	06:45	112	12:27	55S	18:09	248	18:31
2024	Jan	16	(Tue)	06:23	06:46	112	12:27	56S	18:09	249	18:32
2024	Jan	17	(Wed)	06:23	06:46	111	12:28	56S	18:10	249	18:32
2024	Jan	18	(Thu)	06:23	06:46	111	12:28	56S	18:10	249	18:33
2024	Jan	19	(Fri)	06:23	06:46	111	12:28	56S	18:11	249	18:33
2024	Jan	20	(Sat)	06:23	06:46	111	12:29	56S	18:11	249	18:34
2024	Jan	21	(Sun)	06:23	06:46	110	12:29	57S	18:12	250	18:34
2024	Jan	22	(Mon)	06:23	06:46	110	12:29	57S	18:12	250	18:35
2024	Jan	23	(Tue)	06:23	06:46	110	12:29	57S	18:13	250	18:35
2024	Jan	24	(Wed)	06:24	06:46	110	12:30	57S	18:13	250	18:36
2024	Jan	25	(Thu)	06:24	06:46	110	12:30	58S	18:14	251	18:36
2024	Jan	26	(Fri)	06:24	06:46	109	12:30	58S	18:14	251	18:37
2024	Jan	27	(Sat)	06:24	06:46	109	12:30	58S	18:15	251	18:37
2024	Jan	28	(Sun)	06:23	06:46	109	12:31	58S	18:15	251	18:38
2024	Jan	29	(Mon)	06:23	06:46	108	12:31	59S	18:16	252	18:38
2024	Jan	30	(Tue)	06:23	06:46	108	12:31	59S	18:16	252	18:39
2024	Jan	31	(Wed)	06:23	06:46	108	12:31	59S	18:17	252	18:39
2024	Feb	01	(Thu)	06:23	06:45	108	12:31	59S	18:17	253	18:39
2024	Feb	02	(Fri)	06:23	06:45	107	12:31	60S	18:18	253	18:40
2024	Feb	03	(Sat)	06:23	06:45	107	12:31	60S	18:18	253	18:40
2024	Feb	04	(Sun)	06:23	06:45	107	12:32	60S	18:18	253	18:41
2024	Feb	05	(Mon)	06:23	06:45	106	12:32	61S	18:19	254	18:41
2024	Feb	06	(Tue)	06:22	06:44	106	12:32	61S	18:19	254	18:41
2024	Feb	07	(Wed)	06:22	06:44	106	12:32	61S	18:20	254	18:42
2024	Feb	08	(Thu)	06:22	06:44	105	12:32	62S	18:20	255	18:42
2024	Feb	09	(Fri)	06:22	06:44	105	12:32	62S	18:20	255	18:42
2024	Feb	10	(Sat)	06:21	06:43	105	12:32	62S	18:21	255	18:43
2024	Feb	11	(Sun)	06:21	06:43	104	12:32	63S	18:21	256	18:43
2024	Feb	12	(Mon)	06:21	06:43	104	12:32	63S	18:21	256	18:43
2024	Feb	13	(Tue)	06:20	06:42	104	12:32	63S	18:22	256	18:44
2024	Feb	14	(Wed)	06:20	06:42	103	12:32	64S	18:22	257	18:44
2024	Feb	15	(Thu)	06:20	06:42	103	12:32	64S	18:22	257	18:44
2024	Feb	16	(Fri)	06:19	06:41	103	12:32	64S	18:23	257	18:45
2024	Feb	17	(Sat)	06:19	06:41	102	12:32	65S	18:23	258	18:45
2024	Feb	18	(Sun)	06:19	06:40	102	12:32	65S	18:23	258	18:45
2024	Feb	19	(Mon)	06:18	06:40	102	12:32	65S	18:24	258	18:45
2024	Feb	20	(Tue)	06:18	06:39	101	12:32	66S	18:24	259	18:46
2024	Feb	21	(Wed)	06:17	06:39	101	12:31	66S	18:24	259	18:46
2024	Feb	22	(Thu)	06:17	06:38	101	12:31	66S	18:24	260	18:46
2024	Feb	23	(Fri)	06:16	06:38	100	12:31	67S	18:25	260	18:46
2024	Feb	24	(Sat)	06:16	06:37	100	12:31	67S	18:25	260	18:46
2024	Feb	25	(Sun)	06:15	06:37	99	12:31	67S	18:25	261	18:47
2024	Feb	26	(Mon)	06:15	06:36	99	12:31	68S	18:25	261	18:47
2024	Feb	27	(Tue)	06:14	06:36	99	12:31	68S	18:26	262	18:47
2024	Feb	28	(Wed)	06:14	06:35	98	12:30	69S	18:26	262	18:47
2024	Feb	29	(Thu)	06:13	06:35	98	12:30	69S	18:26	262	18:47
2024	Mar	01	(Fri)	06:13	06:34	98	12:30	69S	18:26	263	18:48
2024	Mar	02	(Sat)	06:12	06:34	97	12:30	70S	18:26	263	18:48
2024	Mar	03	(Sun)	06:12	06:33	97	12:30	70S	18:26	263	18:48
2024	Mar	04	(Mon)	06:11	06:32	96	12:29	70S	18:27	264	18:48
2024	Mar	05	(Tue)	06:10	06:32	96	12:29	71S	18:27	264	18:48
2024	Mar	06	(Wed)	06:10	06:31	96	12:29	71S	18:27	265	18:48
2024	Mar	07	(Thu)	06:09	06:31	95	12:29	72S	18:27	265	18:48
2024	Mar	08	(Fri)	06:09	06:30	95	12:28	72S	18:27	265	18:49
2024	Mar	09	(Sat)	06:08	06:29	94	12:28	72S	18:27	266	18:49
2024	Mar	10	(Sun)	06:07	06:29	94	12:28	73S	18:28	266	18:49
2024	Mar	11	(Mon)	06:07	06:28	94	12:28	73S	18:28	267	18:49
2024	Mar	12	(Tue)	06:06	06:27	93	12:27	74S	18:28	267	18:49
2024	Mar	13	(Wed)	06:05	06:27	93	12:27	74S	18:28	267	18:49
2024	Mar	14	(Thu)	06:05	06:26	92	12:27	74S	18:28	268	18:49
2024	Mar	15	(Fri)	06:04	06:25	92	12:27	75S	18:28	268	18:49
2024	Mar	16	(Sat)	06:03	06:25	91	12:26	75S	18:28	269	18:50
2024	Mar	17	(Sun)	06:03	06:24	91	12:26	76S	18:28	269	18:50
2024	Mar	18	(Mon)	06:02	06:23	91	12:26	76S	18:28	270	18:50

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

2024	May	25	(Sat)	05:26	05:49	68	12:15	84N	18:41	292	19:04
2024	May	26	(Sun)	05:26	05:49	68	12:15	83N	18:41	292	19:04
2024	May	27	(Mon)	05:26	05:49	68	12:15	83N	18:41	292	19:04
2024	May	28	(Tue)	05:26	05:49	68	12:15	83N	18:41	293	19:05
2024	May	29	(Wed)	05:26	05:49	67	12:15	83N	18:42	293	19:05
2024	May	30	(Thu)	05:25	05:49	67	12:15	83N	18:42	293	19:05
2024	May	31	(Fri)	05:25	05:49	67	12:16	83N	18:42	293	19:06
2024	Jun	01	(Sat)	05:25	05:49	67	12:16	83N	18:43	293	19:06
2024	Jun	02	(Sun)	05:25	05:49	67	12:16	82N	18:43	293	19:06
2024	Jun	03	(Mon)	05:25	05:49	67	12:16	82N	18:43	293	19:07
2024	Jun	04	(Tue)	05:25	05:49	67	12:16	82N	18:44	293	19:07
2024	Jun	05	(Wed)	05:25	05:49	66	12:16	82N	18:44	294	19:07
2024	Jun	06	(Thu)	05:25	05:49	66	12:17	82N	18:44	294	19:08
2024	Jun	07	(Fri)	05:25	05:49	66	12:17	82N	18:45	294	19:08
2024	Jun	08	(Sat)	05:26	05:49	66	12:17	82N	18:45	294	19:08
2024	Jun	09	(Sun)	05:26	05:49	66	12:17	82N	18:45	294	19:09
2024	Jun	10	(Mon)	05:26	05:49	66	12:17	82N	18:45	294	19:09
2024	Jun	11	(Tue)	05:26	05:49	66	12:17	82N	18:46	294	19:09
2024	Jun	12	(Wed)	05:26	05:49	66	12:18	82N	18:46	294	19:10
2024	Jun	13	(Thu)	05:26	05:50	66	12:18	81N	18:46	294	19:10
2024	Jun	14	(Fri)	05:26	05:50	66	12:18	81N	18:47	294	19:10
2024	Jun	15	(Sat)	05:26	05:50	66	12:18	81N	18:47	294	19:10
2024	Jun	16	(Sun)	05:26	05:50	66	12:19	81N	18:47	294	19:11
2024	Jun	17	(Mon)	05:27	05:50	66	12:19	81N	18:47	294	19:11
2024	Jun	18	(Tue)	05:27	05:50	66	12:19	81N	18:48	294	19:11
2024	Jun	19	(Wed)	05:27	05:51	66	12:19	81N	18:48	294	19:11
2024	Jun	20	(Thu)	05:27	05:51	66	12:19	81N	18:48	294	19:12
2024	Jun	21	(Fri)	05:27	05:51	66	12:20	81N	18:48	294	19:12
2024	Jun	22	(Sat)	05:28	05:51	66	12:20	81N	18:48	294	19:12
2024	Jun	23	(Sun)	05:28	05:51	66	12:20	81N	18:49	294	19:12
2024	Jun	24	(Mon)	05:28	05:52	66	12:20	81N	18:49	294	19:12
2024	Jun	25	(Tue)	05:28	05:52	66	12:20	81N	18:49	294	19:13
2024	Jun	26	(Wed)	05:29	05:52	66	12:21	81N	18:49	294	19:13
2024	Jun	27	(Thu)	05:29	05:52	66	12:21	81N	18:49	294	19:13
2024	Jun	28	(Fri)	05:29	05:53	66	12:21	81N	18:49	294	19:13
2024	Jun	29	(Sat)	05:29	05:53	66	12:21	82N	18:50	294	19:13
2024	Jun	30	(Sun)	05:30	05:53	66	12:22	82N	18:50	294	19:13
2024	Jul	01	(Mon)	05:30	05:54	66	12:22	82N	18:50	294	19:13
2024	Jul	02	(Tue)	05:30	05:54	66	12:22	82N	18:50	294	19:13
2024	Jul	03	(Wed)	05:31	05:54	66	12:22	82N	18:50	294	19:13
2024	Jul	04	(Thu)	05:31	05:54	66	12:22	82N	18:50	294	19:14
2024	Jul	05	(Fri)	05:31	05:55	66	12:22	82N	18:50	294	19:14
2024	Jul	06	(Sat)	05:32	05:55	66	12:23	82N	18:50	294	19:14
2024	Jul	07	(Sun)	05:32	05:55	66	12:23	82N	18:50	293	19:14
2024	Jul	08	(Mon)	05:32	05:56	67	12:23	82N	18:50	293	19:14
2024	Jul	09	(Tue)	05:32	05:56	67	12:23	82N	18:50	293	19:14
2024	Jul	10	(Wed)	05:33	05:56	67	12:23	83N	18:50	293	19:14
2024	Jul	11	(Thu)	05:33	05:56	67	12:23	83N	18:50	293	19:13
2024	Jul	12	(Fri)	05:33	05:57	67	12:23	83N	18:50	293	19:13
2024	Jul	13	(Sat)	05:34	05:57	67	12:24	83N	18:50	293	19:13
2024	Jul	14	(Sun)	05:34	05:57	67	12:24	83N	18:50	292	19:13
2024	Jul	15	(Mon)	05:34	05:58	68	12:24	83N	18:50	292	19:13
2024	Jul	16	(Tue)	05:35	05:58	68	12:24	83N	18:50	292	19:13
2024	Jul	17	(Wed)	05:35	05:58	68	12:24	84N	18:50	292	19:13
2024	Jul	18	(Thu)	05:35	05:58	68	12:24	84N	18:50	292	19:13
2024	Jul	19	(Fri)	05:36	05:59	68	12:24	84N	18:49	292	19:12
2024	Jul	20	(Sat)	05:36	05:59	69	12:24	84N	18:49	291	19:12
2024	Jul	21	(Sun)	05:36	05:59	69	12:24	84N	18:49	291	19:12
2024	Jul	22	(Mon)	05:37	06:00	69	12:24	85N	18:49	291	19:12
2024	Jul	23	(Tue)	05:37	06:00	69	12:24	85N	18:49	291	19:12
2024	Jul	24	(Wed)	05:37	06:00	69	12:24	85N	18:48	291	19:11
2024	Jul	25	(Thu)	05:37	06:00	70	12:24	85N	18:48	290	19:11
2024	Jul	26	(Fri)	05:38	06:01	70	12:24	85N	18:48	290	19:11
2024	Jul	27	(Sat)	05:38	06:01	70	12:24	86N	18:48	290	19:10
2024	Jul	28	(Sun)	05:38	06:01	70	12:24	86N	18:47	290	19:10
2024	Jul	29	(Mon)	05:39	06:01	70	12:24	86N	18:47	289	19:10
2024	Jul	30	(Tue)	05:39	06:02	71	12:24	86N	18:47	289	19:09

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

2024	Oct	06	(Sun)	05:46	06:08	95	12:06	71S	18:04	265	18:25
2024	Oct	07	(Mon)	05:46	06:08	96	12:06	71S	18:03	264	18:24
2024	Oct	08	(Tue)	05:46	06:08	96	12:05	71S	18:02	264	18:24
2024	Oct	09	(Wed)	05:47	06:08	96	12:05	70S	18:02	263	18:23
2024	Oct	10	(Thu)	05:47	06:08	97	12:05	70S	18:01	263	18:23
2024	Oct	11	(Fri)	05:47	06:08	97	12:04	70S	18:01	263	18:22
2024	Oct	12	(Sat)	05:47	06:08	98	12:04	69S	18:00	262	18:21
2024	Oct	13	(Sun)	05:47	06:08	98	12:04	69S	17:59	262	18:21
2024	Oct	14	(Mon)	05:47	06:09	98	12:04	68S	17:59	262	18:20
2024	Oct	15	(Tue)	05:47	06:09	99	12:03	68S	17:58	261	18:20
2024	Oct	16	(Wed)	05:47	06:09	99	12:03	68S	17:57	261	18:19
2024	Oct	17	(Thu)	05:47	06:09	99	12:03	67S	17:57	260	18:18
2024	Oct	18	(Fri)	05:48	06:09	100	12:03	67S	17:56	260	18:18
2024	Oct	19	(Sat)	05:48	06:09	100	12:03	67S	17:56	260	18:17
2024	Oct	20	(Sun)	05:48	06:10	101	12:03	66S	17:55	259	18:17
2024	Oct	21	(Mon)	05:48	06:10	101	12:02	66S	17:55	259	18:16
2024	Oct	22	(Tue)	05:48	06:10	101	12:02	65S	17:54	259	18:16
2024	Oct	23	(Wed)	05:49	06:10	102	12:02	65S	17:54	258	18:15
2024	Oct	24	(Thu)	05:49	06:10	102	12:02	65S	17:53	258	18:15
2024	Oct	25	(Fri)	05:49	06:11	102	12:02	64S	17:53	257	18:15
2024	Oct	26	(Sat)	05:49	06:11	103	12:02	64S	17:52	257	18:14
2024	Oct	27	(Sun)	05:49	06:11	103	12:02	64S	17:52	257	18:14
2024	Oct	28	(Mon)	05:50	06:11	103	12:02	63S	17:51	256	18:13
2024	Oct	29	(Tue)	05:50	06:12	104	12:01	63S	17:51	256	18:13
2024	Oct	30	(Wed)	05:50	06:12	104	12:01	63S	17:51	256	18:13
2024	Oct	31	(Thu)	05:50	06:12	104	12:01	62S	17:50	255	18:12
2024	Nov	01	(Fri)	05:51	06:13	105	12:01	62S	17:50	255	18:12
2024	Nov	02	(Sat)	05:51	06:13	105	12:01	62S	17:50	255	18:12
2024	Nov	03	(Sun)	05:51	06:13	105	12:01	61S	17:49	254	18:11
2024	Nov	04	(Mon)	05:52	06:14	106	12:01	61S	17:49	254	18:11
2024	Nov	05	(Tue)	05:52	06:14	106	12:01	61S	17:49	254	18:11
2024	Nov	06	(Wed)	05:52	06:14	106	12:01	61S	17:48	254	18:11
2024	Nov	07	(Thu)	05:52	06:15	107	12:01	60S	17:48	253	18:10
2024	Nov	08	(Fri)	05:53	06:15	107	12:02	60S	17:48	253	18:10
2024	Nov	09	(Sat)	05:53	06:15	107	12:02	60S	17:48	253	18:10
2024	Nov	10	(Sun)	05:54	06:16	108	12:02	59S	17:47	252	18:10
2024	Nov	11	(Mon)	05:54	06:16	108	12:02	59S	17:47	252	18:10
2024	Nov	12	(Tue)	05:54	06:17	108	12:02	59S	17:47	252	18:09
2024	Nov	13	(Wed)	05:55	06:17	108	12:02	59S	17:47	251	18:09
2024	Nov	14	(Thu)	05:55	06:17	109	12:02	58S	17:47	251	18:09
2024	Nov	15	(Fri)	05:55	06:18	109	12:02	58S	17:47	251	18:09
2024	Nov	16	(Sat)	05:56	06:18	109	12:03	58S	17:47	251	18:09
2024	Nov	17	(Sun)	05:56	06:19	109	12:03	58S	17:47	250	18:09
2024	Nov	18	(Mon)	05:57	06:19	110	12:03	57S	17:47	250	18:09
2024	Nov	19	(Tue)	05:57	06:20	110	12:03	57S	17:47	250	18:09
2024	Nov	20	(Wed)	05:58	06:20	110	12:03	57S	17:46	250	18:09
2024	Nov	21	(Thu)	05:58	06:21	110	12:04	57S	17:46	250	18:09
2024	Nov	22	(Fri)	05:59	06:21	111	12:04	56S	17:47	249	18:09
2024	Nov	23	(Sat)	05:59	06:22	111	12:04	56S	17:47	249	18:09
2024	Nov	24	(Sun)	06:00	06:22	111	12:04	56S	17:47	249	18:09
2024	Nov	25	(Mon)	06:00	06:23	111	12:05	56S	17:47	249	18:09
2024	Nov	26	(Tue)	06:01	06:23	111	12:05	56S	17:47	248	18:10
2024	Nov	27	(Wed)	06:01	06:24	112	12:05	55S	17:47	248	18:10
2024	Nov	28	(Thu)	06:02	06:24	112	12:06	55S	17:47	248	18:10
2024	Nov	29	(Fri)	06:02	06:25	112	12:06	55S	17:47	248	18:10
2024	Nov	30	(Sat)	06:03	06:25	112	12:06	55S	17:47	248	18:10
2024	Dec	01	(Sun)	06:03	06:26	112	12:07	55S	17:48	248	18:11
2024	Dec	02	(Mon)	06:04	06:27	112	12:07	55S	17:48	247	18:11
2024	Dec	03	(Tue)	06:04	06:27	113	12:08	55S	17:48	247	18:11
2024	Dec	04	(Wed)	06:05	06:28	113	12:08	54S	17:48	247	18:11
2024	Dec	05	(Thu)	06:05	06:28	113	12:08	54S	17:49	247	18:12
2024	Dec	06	(Fri)	06:06	06:29	113	12:09	54S	17:49	247	18:12
2024	Dec	07	(Sat)	06:06	06:29	113	12:09	54S	17:49	247	18:12
2024	Dec	08	(Sun)	06:07	06:30	113	12:10	54S	17:50	247	18:13
2024	Dec	09	(Mon)	06:07	06:30	113	12:10	54S	17:50	247	18:13
2024	Dec	10	(Tue)	06:08	06:31	113	12:11	54S	17:50	247	18:13
2024	Dec	11	(Wed)	06:08	06:32	114	12:11	54S	17:51	246	18:14

2024	Dec 12	(Thu)	06:09	06:32	114	12:12	54S	17:51	246	18:14
2024	Dec 13	(Fri)	06:10	06:33	114	12:12	54S	17:51	246	18:15
2024	Dec 14	(Sat)	06:10	06:33	114	12:13	53S	17:52	246	18:15
2024	Dec 15	(Sun)	06:11	06:34	114	12:13	53S	17:52	246	18:15
2024	Dec 16	(Mon)	06:11	06:34	114	12:13	53S	17:53	246	18:16
2024	Dec 17	(Tue)	06:12	06:35	114	12:14	53S	17:53	246	18:16
2024	Dec 18	(Wed)	06:12	06:35	114	12:14	53S	17:54	246	18:17
2024	Dec 19	(Thu)	06:13	06:36	114	12:15	53S	17:54	246	18:17
2024	Dec 20	(Fri)	06:13	06:36	114	12:15	53S	17:55	246	18:18
2024	Dec 21	(Sat)	06:14	06:37	114	12:16	53S	17:55	246	18:18
2024	Dec 22	(Sun)	06:14	06:37	114	12:16	53S	17:55	246	18:19
2024	Dec 23	(Mon)	06:15	06:38	114	12:17	53S	17:56	246	18:19
2024	Dec 24	(Tue)	06:15	06:38	114	12:17	53S	17:57	246	18:20
2024	Dec 25	(Wed)	06:16	06:39	114	12:18	53S	17:57	246	18:20
2024	Dec 26	(Thu)	06:16	06:39	114	12:18	53S	17:58	246	18:21
2024	Dec 27	(Fri)	06:17	06:40	114	12:19	53S	17:58	246	18:21
2024	Dec 28	(Sat)	06:17	06:40	114	12:19	53S	17:59	246	18:22
2024	Dec 29	(Sun)	06:17	06:41	114	12:20	54S	17:59	246	18:22
2024	Dec 30	(Mon)	06:18	06:41	114	12:20	54S	18:00	246	18:23
2024	Dec 31	(Tue)	06:18	06:41	114	12:21	54S	18:00	246	18:23

Moon

PathumThani
Location: E100°33'28.8", N14°00'03.5", 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	°
2024	Jan 01	(Mon)	22:30	80	04:09	90S	10:31	282
2024	Jan 02	(Tue)	23:15	86	04:49	84S	11:05	277
2024	Jan 03	(Wed)			05:28	79S	11:39	271
2024	Jan 04	(Thu)	00:00	92	06:08	73S	12:12	265
2024	Jan 05	(Fri)	00:46	98	06:48	67S	12:47	259
2024	Jan 06	(Sat)	01:34	104	07:31	61S	13:25	253
2024	Jan 07	(Sun)	02:26	109	08:18	56S	14:07	248
2024	Jan 08	(Mon)	03:22	114	09:09	52S	14:55	244
2024	Jan 09	(Tue)	04:22	117	10:06	49S	15:50	242
2024	Jan 10	(Wed)	05:25	119	11:08	48S	16:51	241
2024	Jan 11	(Thu)	06:28	119	12:12	49S	17:57	242
2024	Jan 12	(Fri)	07:28	116	13:15	52S	19:03	246
2024	Jan 13	(Sat)	08:23	112	14:14	56S	20:08	251
2024	Jan 14	(Sun)	09:13	106	15:09	62S	21:09	257
2024	Jan 15	(Mon)	09:58	99	16:01	69S	22:07	264
2024	Jan 16	(Tue)	10:40	92	16:50	76S	23:03	272
2024	Jan 17	(Wed)	11:21	85	17:37	83S	23:57	279
2024	Jan 18	(Thu)	12:02	78	18:25	90S		
2024	Jan 19	(Fri)	12:44	72	19:15	86N	00:52	285
2024	Jan 20	(Sat)	13:30	67	20:06	81N	01:49	291
2024	Jan 21	(Sun)	14:19	64	21:00	78N	02:46	295
2024	Jan 22	(Mon)	15:11	61	21:55	76N	03:44	298
2024	Jan 23	(Tue)	16:06	61	22:51	76N	04:41	299
2024	Jan 24	(Wed)	17:01	62	23:44	78N	05:35	299
2024	Jan 25	(Thu)	17:56	65			06:25	297
2024	Jan 26	(Fri)	18:48	68	00:34	81N	07:11	293
2024	Jan 27	(Sat)	19:38	73	01:21	85N	07:52	289
2024	Jan 28	(Sun)	20:25	79	02:05	90N	08:30	284
2024	Jan 29	(Mon)	21:11	84	02:46	86S	09:04	279
2024	Jan 30	(Tue)	21:55	90	03:26	81S	09:38	273
2024	Jan 31	(Wed)	22:40	96	04:04	75S	10:11	267
2024	Feb 01	(Thu)	23:27	102	04:44	69S	10:44	261
2024	Feb 02	(Fri)			05:25	63S	11:20	255
2024	Feb 03	(Sat)	00:16	107	06:09	58S	11:59	250
2024	Feb 04	(Sun)	01:08	112	06:57	54S	12:43	246

2024 Feb 05 (Mon)	02:05 116	07:50 50S	13:34 243
2024 Feb 06 (Tue)	03:05 119	08:48 48S	14:30 241
2024 Feb 07 (Wed)	04:07 119	09:50 48S	15:33 241
2024 Feb 08 (Thu)	05:09 118	10:53 50S	16:39 244
2024 Feb 09 (Fri)	06:07 114	11:55 54S	17:46 248
2024 Feb 10 (Sat)	07:00 109	12:53 59S	18:50 254
2024 Feb 11 (Sun)	07:48 102	13:48 66S	19:52 261
2024 Feb 12 (Mon)	08:33 95	14:40 73S	20:51 269
2024 Feb 13 (Tue)	09:16 88	15:30 81S	21:48 276
2024 Feb 14 (Wed)	09:58 80	16:20 88S	22:45 283
2024 Feb 15 (Thu)	10:41 74	17:10 87N	23:42 289
2024 Feb 16 (Fri)	11:27 68	18:02 82N	
2024 Feb 17 (Sat)	12:15 64	18:56 79N	00:40 294
2024 Feb 18 (Sun)	13:07 62	19:51 77N	01:39 297
2024 Feb 19 (Mon)	14:01 61	20:46 76N	02:36 299
2024 Feb 20 (Tue)	14:56 61	21:40 77N	03:31 299
2024 Feb 21 (Wed)	15:51 64	22:31 80N	04:22 298
2024 Feb 22 (Thu)	16:43 67	23:19 83N	05:09 295
2024 Feb 23 (Fri)	17:34 72		05:51 291
2024 Feb 24 (Sat)	18:21 77	00:03 88N	06:29 286
2024 Feb 25 (Sun)	19:07 82	00:45 88S	07:05 280
2024 Feb 26 (Mon)	19:52 88	01:25 83S	07:39 275
2024 Feb 27 (Tue)	20:37 94	02:03 77S	08:12 269
2024 Feb 28 (Wed)	21:23 100	02:42 71S	08:45 263
2024 Feb 29 (Thu)	22:10 106	03:23 65S	09:19 257
2024 Mar 01 (Fri)	23:01 111	04:05 60S	09:57 252
2024 Mar 02 (Sat)	23:55 115	04:50 55S	10:38 247
2024 Mar 03 (Sun)		05:40 51S	11:24 243
2024 Mar 04 (Mon)	00:52 118	06:35 49S	12:17 241
2024 Mar 05 (Tue)	01:51 119	07:33 48S	13:15 241
2024 Mar 06 (Wed)	02:51 119	08:34 48S	14:18 242
2024 Mar 07 (Thu)	03:49 117	09:35 51S	15:23 245
2024 Mar 08 (Fri)	04:44 112	10:34 56S	16:27 251
2024 Mar 09 (Sat)	05:34 106	11:30 62S	17:30 257
2024 Mar 10 (Sun)	06:21 99	12:24 69S	18:31 265
2024 Mar 11 (Mon)	07:05 91	13:16 77S	19:30 272
2024 Mar 12 (Tue)	07:49 84	14:07 84S	20:29 280
2024 Mar 13 (Wed)	08:33 77	14:59 90N	21:29 287
2024 Mar 14 (Thu)	09:19 70	15:52 84N	22:29 292
2024 Mar 15 (Fri)	10:08 66	16:47 80N	23:29 296
2024 Mar 16 (Sat)	11:00 62	17:44 77N	
2024 Mar 17 (Sun)	11:55 61	18:40 76N	00:29 299
2024 Mar 18 (Mon)	12:51 61	19:35 77N	01:26 299
2024 Mar 19 (Tue)	13:46 63	20:28 79N	02:19 298
2024 Mar 20 (Wed)	14:39 66	21:16 82N	03:07 296
2024 Mar 21 (Thu)	15:30 70	22:02 86N	03:51 292
2024 Mar 22 (Fri)	16:19 75	22:44 90S	04:30 288
2024 Mar 23 (Sat)	17:05 80	23:24 84S	05:06 282
2024 Mar 24 (Sun)	17:50 86		05:40 277
2024 Mar 25 (Mon)	18:35 92	00:03 79S	06:13 271
2024 Mar 26 (Tue)	19:20 98	00:42 73S	06:46 265
2024 Mar 27 (Wed)	20:08 104	01:22 67S	07:20 259
2024 Mar 28 (Thu)	20:57 109	02:04 61S	07:57 253
2024 Mar 29 (Fri)	21:50 114	02:48 56S	08:37 248
2024 Mar 30 (Sat)	22:45 117	03:36 52S	09:21 244
2024 Mar 31 (Sun)	23:43 119	04:29 49S	10:11 242
2024 Apr 01 (Mon)		05:25 48S	11:06 240
2024 Apr 02 (Tue)	00:41 119	06:23 48S	12:05 241
2024 Apr 03 (Wed)	01:38 118	07:22 50S	13:07 244
2024 Apr 04 (Thu)	02:32 114	08:20 54S	14:10 248
2024 Apr 05 (Fri)	03:22 109	09:15 59S	15:11 254
2024 Apr 06 (Sat)	04:09 103	10:08 66S	16:11 261
2024 Apr 07 (Sun)	04:53 96	11:00 73S	17:10 268
2024 Apr 08 (Mon)	05:37 88	11:51 80S	18:09 276
2024 Apr 09 (Tue)	06:21 80	12:43 88S	19:09 283
2024 Apr 10 (Wed)	07:06 74	13:36 87N	20:10 290
2024 Apr 11 (Thu)	07:55 68	14:32 82N	21:12 295

2024 Apr 12 (Fri)	08:48 64	15:30 78N	22:15 298
2024 Apr 13 (Sat)	09:43 61	16:29 76N	23:15 299
2024 Apr 14 (Sun)	10:40 61	17:26 76N	
2024 Apr 15 (Mon)	11:38 62	18:21 78N	00:12 299
2024 Apr 16 (Tue)	12:33 64	19:12 81N	01:03 297
2024 Apr 17 (Wed)	13:25 68	19:59 85N	01:49 294
2024 Apr 18 (Thu)	14:15 73	20:42 90N	02:29 289
2024 Apr 19 (Fri)	15:02 78	21:23 86S	03:07 284
2024 Apr 20 (Sat)	15:47 84	22:02 81S	03:41 279
2024 Apr 21 (Sun)	16:32 90	22:41 75S	04:14 273
2024 Apr 22 (Mon)	17:17 96	23:21 69S	04:47 267
2024 Apr 23 (Tue)	18:04 102		05:21 261
2024 Apr 24 (Wed)	18:53 108	00:02 63S	05:57 255
2024 Apr 25 (Thu)	19:45 112	00:46 58S	06:36 250
2024 Apr 26 (Fri)	20:40 116	01:33 53S	07:19 246
2024 Apr 27 (Sat)	21:38 119	02:25 50S	08:08 242
2024 Apr 28 (Sun)	22:36 120	03:20 48S	09:01 241
2024 Apr 29 (Mon)	23:33 118	04:18 48S	09:59 241
2024 Apr 30 (Tue)		05:16 49S	11:00 243
2024 May 01 (Wed)	00:27 116	06:13 52S	12:01 246
2024 May 02 (Thu)	01:17 111	07:07 57S	13:01 251
2024 May 03 (Fri)	02:03 105	07:59 63S	13:59 258
2024 May 04 (Sat)	02:47 99	08:50 70S	14:56 265
2024 May 05 (Sun)	03:29 91	09:39 77S	15:53 272
2024 May 06 (Mon)	04:11 84	10:29 84S	16:51 280
2024 May 07 (Tue)	04:55 77	11:21 90N	17:50 287
2024 May 08 (Wed)	05:42 71	12:15 84N	18:52 292
2024 May 09 (Thu)	06:33 66	13:13 80N	19:55 297
2024 May 10 (Fri)	07:28 62	14:12 77N	20:58 299
2024 May 11 (Sat)	08:26 61	15:12 76N	21:58 299
2024 May 12 (Sun)	09:24 61	16:10 77N	22:53 298
2024 May 13 (Mon)	10:22 63	17:03 79N	23:42 295
2024 May 14 (Tue)	11:17 67	17:53 83N	
2024 May 15 (Wed)	12:08 71	18:38 88N	00:26 291
2024 May 16 (Thu)	12:56 76	19:20 88S	01:05 286
2024 May 17 (Fri)	13:42 82	20:00 83S	01:40 281
2024 May 18 (Sat)	14:27 88	20:39 77S	02:14 275
2024 May 19 (Sun)	15:12 94	21:18 71S	02:47 269
2024 May 20 (Mon)	15:58 100	21:58 65S	03:20 263
2024 May 21 (Tue)	16:47 106	22:41 60S	03:55 257
2024 May 22 (Wed)	17:38 111	23:28 55S	04:33 252
2024 May 23 (Thu)	18:33 115		05:16 247
2024 May 24 (Fri)	19:30 118	00:19 51S	06:03 243
2024 May 25 (Sat)	20:30 119	01:13 49S	06:56 241
2024 May 26 (Sun)	21:28 119	02:11 48S	07:53 241
2024 May 27 (Mon)	22:23 117	03:10 49S	08:54 242
2024 May 28 (Tue)	23:15 113	04:08 51S	09:55 245
2024 May 29 (Wed)		05:04 55S	10:55 250
2024 May 30 (Thu)	00:01 107	05:56 61S	11:53 256
2024 May 31 (Fri)	00:45 101	06:46 67S	12:50 263
2024 Jun 01 (Sat)	01:26 94	07:34 74S	13:45 270
2024 Jun 02 (Sun)	02:07 87	08:22 82S	14:40 277
2024 Jun 03 (Mon)	02:49 80	09:11 88S	15:37 284
2024 Jun 04 (Tue)	03:33 73	10:03 87N	16:37 290
2024 Jun 05 (Wed)	04:21 68	10:58 82N	17:38 295
2024 Jun 06 (Thu)	05:13 63	11:56 78N	18:41 298
2024 Jun 07 (Fri)	06:10 61	12:56 76N	19:43 299
2024 Jun 08 (Sat)	07:09 61	13:55 76N	20:40 299
2024 Jun 09 (Sun)	08:08 62	14:52 78N	21:33 296
2024 Jun 10 (Mon)	09:05 65	15:44 82N	22:19 293
2024 Jun 11 (Tue)	09:59 69	16:31 86N	23:01 288
2024 Jun 12 (Wed)	10:49 74	17:15 90S	23:38 283
2024 Jun 13 (Thu)	11:36 80	17:56 85S	
2024 Jun 14 (Fri)	12:22 86	18:35 79S	00:12 277
2024 Jun 15 (Sat)	13:06 92	19:14 73S	00:46 271
2024 Jun 16 (Sun)	13:52 98	19:54 67S	01:19 265
2024 Jun 17 (Mon)	14:39 104	20:35 62S	01:53 259

2024 Jun 18 (Tue)	15:28 109	21:20 57S	02:29 254
2024 Jun 19 (Wed)	16:22 113	22:09 53S	03:09 249
2024 Jun 20 (Thu)	17:19 117	23:03 49S	03:55 245
2024 Jun 21 (Fri)	18:18 119		04:46 242
2024 Jun 22 (Sat)	19:18 119	00:01 48S	05:43 241
2024 Jun 23 (Sun)	20:16 117	01:01 48S	06:44 241
2024 Jun 24 (Mon)	21:10 114	02:01 50S	07:47 244
2024 Jun 25 (Tue)	21:59 109	02:58 54S	08:49 248
2024 Jun 26 (Wed)	22:44 103	03:52 59S	09:48 254
2024 Jun 27 (Thu)	23:26 96	04:43 66S	10:45 261
2024 Jun 28 (Fri)		05:32 73S	11:41 268
2024 Jun 29 (Sat)	00:07 89	06:19 80S	12:36 275
2024 Jun 30 (Sun)	00:47 82	07:07 87S	13:31 282
2024 Jul 01 (Mon)	01:30 75	07:57 89N	14:28 288
2024 Jul 02 (Tue)	02:15 69	08:50 83N	15:28 293
2024 Jul 03 (Wed)	03:05 65	09:46 79N	16:29 297
2024 Jul 04 (Thu)	03:59 62	10:44 77N	17:30 299
2024 Jul 05 (Fri)	04:57 61	11:43 76N	18:29 299
2024 Jul 06 (Sat)	05:55 61	12:40 77N	19:23 297
2024 Jul 07 (Sun)	06:53 64	13:34 80N	20:12 294
2024 Jul 08 (Mon)	07:49 68	14:24 84N	20:55 290
2024 Jul 09 (Tue)	08:40 72	15:09 89N	21:34 285
2024 Jul 10 (Wed)	09:29 78	15:51 87S	22:10 279
2024 Jul 11 (Thu)	10:15 84	16:31 81S	22:44 273
2024 Jul 12 (Fri)	11:00 90	17:10 75S	23:17 267
2024 Jul 13 (Sat)	11:45 96	17:49 70S	23:50 262
2024 Jul 14 (Sun)	12:31 101	18:29 64S	
2024 Jul 15 (Mon)	13:19 107	19:12 59S	00:25 256
2024 Jul 16 (Tue)	14:10 112	19:59 54S	01:03 251
2024 Jul 17 (Wed)	15:05 116	20:50 51S	01:46 246
2024 Jul 18 (Thu)	16:03 118	21:46 48S	02:34 243
2024 Jul 19 (Fri)	17:03 119	22:45 48S	03:28 241
2024 Jul 20 (Sat)	18:03 118	23:46 49S	04:28 241
2024 Jul 21 (Sun)	19:00 116		05:31 243
2024 Jul 22 (Mon)	19:52 111	00:46 52S	06:35 246
2024 Jul 23 (Tue)	20:40 105	01:43 57S	07:37 252
2024 Jul 24 (Wed)	21:24 98	02:37 63S	08:37 258
2024 Jul 25 (Thu)	22:06 91	03:27 70S	09:35 266
2024 Jul 26 (Fri)	22:47 83	04:16 78S	10:31 273
2024 Jul 27 (Sat)	23:29 77	05:05 85S	11:27 280
2024 Jul 28 (Sun)		05:54 90N	12:24 287
2024 Jul 29 (Mon)	00:13 71	06:46 84N	13:22 292
2024 Jul 30 (Tue)	01:01 66	07:40 80N	14:22 296
2024 Jul 31 (Wed)	01:53 62	08:37 77N	15:22 299
2024 Aug 01 (Thu)	02:49 61	09:35 76N	16:21 299
2024 Aug 02 (Fri)	03:47 61	10:32 77N	17:16 298
2024 Aug 03 (Sat)	04:45 63	11:27 79N	18:07 296
2024 Aug 04 (Sun)	05:40 66	12:17 83N	18:52 292
2024 Aug 05 (Mon)	06:33 71	13:04 87N	19:32 287
2024 Aug 06 (Tue)	07:23 76	13:47 89S	20:09 281
2024 Aug 07 (Wed)	08:10 82	14:28 83S	20:43 275
2024 Aug 08 (Thu)	08:55 88	15:07 77S	21:16 269
2024 Aug 09 (Fri)	09:40 94	15:46 72S	21:49 264
2024 Aug 10 (Sat)	10:25 99	16:25 66S	22:23 258
2024 Aug 11 (Sun)	11:12 105	17:07 61S	22:59 253
2024 Aug 12 (Mon)	12:01 110	17:51 56S	23:39 248
2024 Aug 13 (Tue)	12:53 114	18:39 52S	
2024 Aug 14 (Wed)	13:49 118	19:32 49S	00:24 244
2024 Aug 15 (Thu)	14:47 119	20:29 48S	01:14 241
2024 Aug 16 (Fri)	15:46 119	21:29 48S	02:11 240
2024 Aug 17 (Sat)	16:44 117	22:29 50S	03:12 241
2024 Aug 18 (Sun)	17:39 113	23:28 55S	04:15 244
2024 Aug 19 (Mon)	18:29 108		05:19 249
2024 Aug 20 (Tue)	19:16 101	00:24 60S	06:21 255
2024 Aug 21 (Wed)	20:00 94	01:17 67S	07:21 262
2024 Aug 22 (Thu)	20:42 86	02:08 75S	08:20 270
2024 Aug 23 (Fri)	21:25 79	02:58 82S	09:18 278

2024 Aug 24 (Sat)	22:10	72	03:49	89S	10:16	285
2024 Aug 25 (Sun)	22:58	67	04:41	86N	11:16	291
2024 Aug 26 (Mon)	23:50	63	05:36	81N	12:16	295
2024 Aug 27 (Tue)			06:32	78N	13:17	298
2024 Aug 28 (Wed)	00:45	61	07:30	76N	14:17	300
2024 Aug 29 (Thu)	01:42	61	08:28	76N	15:13	299
2024 Aug 30 (Fri)	02:39	62	09:22	78N	16:04	297
2024 Aug 31 (Sat)	03:35	65	10:14	81N	16:50	293
2024 Sep 01 (Sun)	04:28	69	11:01	85N	17:31	288
2024 Sep 02 (Mon)	05:18	74	11:45	91N	18:09	283
2024 Sep 03 (Tue)	06:06	80	12:26	85S	18:43	277
2024 Sep 04 (Wed)	06:52	85	13:06	79S	19:17	272
2024 Sep 05 (Thu)	07:37	91	13:44	74S	19:49	266
2024 Sep 06 (Fri)	08:21	97	14:24	68S	20:23	260
2024 Sep 07 (Sat)	09:07	103	15:04	62S	20:58	254
2024 Sep 08 (Sun)	09:55	108	15:47	57S	21:36	249
2024 Sep 09 (Mon)	10:45	113	16:33	53S	22:18	245
2024 Sep 10 (Tue)	11:39	117	17:23	50S	23:05	242
2024 Sep 11 (Wed)	12:35	119	18:17	48S	23:58	241
2024 Sep 12 (Thu)	13:32	120	19:14	47S		
2024 Sep 13 (Fri)	14:29	119	20:12	49S	00:55	241
2024 Sep 14 (Sat)	15:24	116	21:10	52S	01:56	243
2024 Sep 15 (Sun)	16:16	111	22:07	57S	02:59	246
2024 Sep 16 (Mon)	17:04	105	23:01	64S	04:01	252
2024 Sep 17 (Tue)	17:49	98	23:53	71S	05:02	259
2024 Sep 18 (Wed)	18:33	90			06:02	266
2024 Sep 19 (Thu)	19:17	82	00:45	78S	07:01	274
2024 Sep 20 (Fri)	20:02	75	01:37	86S	08:01	282
2024 Sep 21 (Sat)	20:50	69	02:30	88N	09:02	288
2024 Sep 22 (Sun)	21:42	64	03:26	83N	10:05	294
2024 Sep 23 (Mon)	22:38	61	04:24	79N	11:08	298
2024 Sep 24 (Tue)	23:35	60	05:23	76N	12:10	299
2024 Sep 25 (Wed)			06:22	76N	13:08	299
2024 Sep 26 (Thu)	00:34	61	07:18	77N	14:01	298
2024 Sep 27 (Fri)	01:31	64	08:11	80N	14:49	294
2024 Sep 28 (Sat)	02:25	68	08:59	84N	15:31	290
2024 Sep 29 (Sun)	03:15	72	09:44	89N	16:10	285
2024 Sep 30 (Mon)	04:04	78	10:26	87S	16:45	279
2024 Oct 01 (Tue)	04:50	83	11:06	81S	17:18	273
2024 Oct 02 (Wed)	05:34	90	11:44	76S	17:51	268
2024 Oct 03 (Thu)	06:19	96	12:23	70S	18:24	262
2024 Oct 04 (Fri)	07:05	101	13:03	64S	18:59	256
2024 Oct 05 (Sat)	07:52	107	13:45	59S	19:36	251
2024 Oct 06 (Sun)	08:41	112	14:30	54S	20:16	246
2024 Oct 07 (Mon)	09:33	116	15:18	51S	21:01	243
2024 Oct 08 (Tue)	10:28	118	16:10	48S	21:51	241
2024 Oct 09 (Wed)	11:24	120	17:05	47S	22:46	240
2024 Oct 10 (Thu)	12:20	119	18:01	48S	23:44	241
2024 Oct 11 (Fri)	13:14	117	18:58	51S		
2024 Oct 12 (Sat)	14:05	113	19:53	55S	00:44	244
2024 Oct 13 (Sun)	14:52	108	20:46	60S	01:44	249
2024 Oct 14 (Mon)	15:38	101	21:38	67S	02:43	255
2024 Oct 15 (Tue)	16:21	94	22:29	74S	03:42	262
2024 Oct 16 (Wed)	17:04	86	23:20	82S	04:41	270
2024 Oct 17 (Thu)	17:49	79			05:40	278
2024 Oct 18 (Fri)	18:37	72	00:13	89S	06:41	285
2024 Oct 19 (Sat)	19:28	66	01:09	86N	07:45	291
2024 Oct 20 (Sun)	20:24	62	02:08	80N	08:50	296
2024 Oct 21 (Mon)	21:23	61	03:09	77N	09:55	299
2024 Oct 22 (Tue)	22:24	61	04:10	76N	10:57	300
2024 Oct 23 (Wed)	23:23	63	05:10	76N	11:54	298
2024 Oct 24 (Thu)			06:05	79N	12:45	296
2024 Oct 25 (Fri)	00:19	66	06:56	83N	13:30	292
2024 Oct 26 (Sat)	01:11	71	07:42	87N	14:10	287
2024 Oct 27 (Sun)	02:01	76	08:25	89S	14:46	281
2024 Oct 28 (Mon)	02:47	82	09:05	83S	15:20	275
2024 Oct 29 (Tue)	03:32	88	09:44	77S	15:53	269

2024	Oct	30	(Wed)	04:17	94	10:23	72S	16:26	264
2024	Oct	31	(Thu)	05:02	99	11:02	66S	17:00	258
2024	Nov	01	(Fri)	05:49	105	11:43	60S	17:36	252
2024	Nov	02	(Sat)	06:38	110	12:28	56S	18:15	248
2024	Nov	03	(Sun)	07:29	114	13:15	52S	18:59	244
2024	Nov	04	(Mon)	08:23	118	14:06	49S	19:48	241
2024	Nov	05	(Tue)	09:19	119	15:00	48S	20:41	240
2024	Nov	06	(Wed)	10:15	119	15:56	48S	21:38	241
2024	Nov	07	(Thu)	11:09	118	16:52	50S	22:36	243
2024	Nov	08	(Fri)	11:59	115	17:46	53S	23:35	247
2024	Nov	09	(Sat)	12:47	110	18:38	58S		
2024	Nov	10	(Sun)	13:31	104	19:28	64S	00:32	253
2024	Nov	11	(Mon)	14:13	97	20:17	71S	01:29	259
2024	Nov	12	(Tue)	14:55	90	21:06	78S	02:25	266
2024	Nov	13	(Wed)	15:37	83	21:57	86S	03:22	274
2024	Nov	14	(Thu)	16:22	76	22:50	89N	04:20	281
2024	Nov	15	(Fri)	17:12	69	23:47	83N	05:22	288
2024	Nov	16	(Sat)	18:06	64			06:27	294
2024	Nov	17	(Sun)	19:05	61	00:48	79N	07:33	297
2024	Nov	18	(Mon)	20:06	61	01:51	76N	08:38	299
2024	Nov	19	(Tue)	21:08	62	02:54	76N	09:40	299
2024	Nov	20	(Wed)	22:08	65	03:53	78N	10:35	297
2024	Nov	21	(Thu)	23:03	69	04:47	81N	11:24	293
2024	Nov	22	(Fri)	23:55	74	05:37	85N	12:07	288
2024	Nov	23	(Sat)			06:21	91N	12:45	283
2024	Nov	24	(Sun)	00:43	80	07:03	85S	13:20	277
2024	Nov	25	(Mon)	01:28	86	07:42	79S	13:53	271
2024	Nov	26	(Tue)	02:13	92	08:21	74S	14:26	266
2024	Nov	27	(Wed)	02:58	97	09:00	68S	14:59	260
2024	Nov	28	(Thu)	03:44	103	09:41	62S	15:35	254
2024	Nov	29	(Fri)	04:32	108	10:24	57S	16:13	249
2024	Nov	30	(Sat)	05:23	113	11:11	53S	16:56	245
2024	Dec	01	(Sun)	06:17	117	12:01	50S	17:44	242
2024	Dec	02	(Mon)	07:13	119	12:55	48S	18:36	241
2024	Dec	03	(Tue)	08:10	119	13:51	48S	19:33	241
2024	Dec	04	(Wed)	09:05	118	14:47	49S	20:31	243
2024	Dec	05	(Thu)	09:57	116	15:42	52S	21:30	246
2024	Dec	06	(Fri)	10:45	111	16:35	57S	22:27	251
2024	Dec	07	(Sat)	11:29	106	17:25	62S	23:23	257
2024	Dec	08	(Sun)	12:11	100	18:13	69S		
2024	Dec	09	(Mon)	12:51	93	19:00	76S	00:18	264
2024	Dec	10	(Tue)	13:32	85	19:48	83S	01:12	271
2024	Dec	11	(Wed)	14:14	78	20:38	90S	02:08	278
2024	Dec	12	(Thu)	15:00	72	21:31	86N	03:06	285
2024	Dec	13	(Fri)	15:50	67	22:29	81N	04:07	291
2024	Dec	14	(Sat)	16:46	63	23:30	77N	05:11	296
2024	Dec	15	(Sun)	17:46	61			06:17	299
2024	Dec	16	(Mon)	18:49	61	00:34	76N	07:21	299
2024	Dec	17	(Tue)	19:51	63	01:35	77N	08:20	298
2024	Dec	18	(Wed)	20:50	67	02:33	79N	09:13	295
2024	Dec	19	(Thu)	21:44	72	03:26	83N	09:59	290
2024	Dec	20	(Fri)	22:34	77	04:14	88N	10:40	285
2024	Dec	21	(Sat)	23:22	83	04:57	87S	11:17	280
2024	Dec	22	(Sun)			05:38	82S	11:51	274
2024	Dec	23	(Mon)	00:07	89	06:17	76S	12:24	268
2024	Dec	24	(Tue)	00:52	95	06:56	70S	12:58	262
2024	Dec	25	(Wed)	01:38	101	07:36	64S	13:32	256
2024	Dec	26	(Thu)	02:25	107	08:18	59S	14:09	251
2024	Dec	27	(Fri)	03:14	111	09:03	55S	14:50	247
2024	Dec	28	(Sat)	04:07	115	09:52	51S	15:36	243
2024	Dec	29	(Sun)	05:03	118	10:45	48S	16:27	241
2024	Dec	30	(Mon)	06:00	119	11:41	48S	17:23	241
2024	Dec	31	(Tue)	06:57	119	12:39	48S	18:22	242