

Sun

Nakhon Phanom

Location: E104°46'51.6", N17°24'32.3", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

2025	Mar	02	(Sun)	05:32	06:19	97	12:13	66S	18:08	263	18:55
2025	Mar	03	(Mon)	05:31	06:18	97	12:13	67S	18:08	263	18:55
2025	Mar	04	(Tue)	05:30	06:17	96	12:13	67S	18:08	264	18:55
2025	Mar	05	(Wed)	05:30	06:17	96	12:12	67S	18:08	264	18:55
2025	Mar	06	(Thu)	05:29	06:16	96	12:12	68S	18:09	265	18:56
2025	Mar	07	(Fri)	05:28	06:15	95	12:12	68S	18:09	265	18:56
2025	Mar	08	(Sat)	05:27	06:14	95	12:12	69S	18:09	265	18:56
2025	Mar	09	(Sun)	05:27	06:14	94	12:11	69S	18:09	266	18:56
2025	Mar	10	(Mon)	05:26	06:13	94	12:11	69S	18:10	266	18:57
2025	Mar	11	(Tue)	05:25	06:12	94	12:11	70S	18:10	267	18:57
2025	Mar	12	(Wed)	05:25	06:11	93	12:11	70S	18:10	267	18:57
2025	Mar	13	(Thu)	05:24	06:11	93	12:10	70S	18:10	267	18:57
2025	Mar	14	(Fri)	05:23	06:10	92	12:10	71S	18:11	268	18:57
2025	Mar	15	(Sat)	05:22	06:09	92	12:10	71S	18:11	268	18:58
2025	Mar	16	(Sun)	05:21	06:08	92	12:09	72S	18:11	269	18:58
2025	Mar	17	(Mon)	05:21	06:07	91	12:09	72S	18:11	269	18:58
2025	Mar	18	(Tue)	05:20	06:07	91	12:09	72S	18:11	269	18:58
2025	Mar	19	(Wed)	05:19	06:06	90	12:09	73S	18:12	270	18:58
2025	Mar	20	(Thu)	05:18	06:05	90	12:08	73S	18:12	270	18:59
2025	Mar	21	(Fri)	05:18	06:04	89	12:08	74S	18:12	271	18:59
2025	Mar	22	(Sat)	05:17	06:04	89	12:08	74S	18:12	271	18:59
2025	Mar	23	(Sun)	05:16	06:03	89	12:07	74S	18:12	272	18:59
2025	Mar	24	(Mon)	05:15	06:02	88	12:07	75S	18:13	272	18:59
2025	Mar	25	(Tue)	05:14	06:01	88	12:07	75S	18:13	272	19:00
2025	Mar	26	(Wed)	05:13	06:00	87	12:07	76S	18:13	273	19:00
2025	Mar	27	(Thu)	05:13	06:00	87	12:06	76S	18:13	273	19:00
2025	Mar	28	(Fri)	05:12	05:59	87	12:06	76S	18:13	274	19:00
2025	Mar	29	(Sat)	05:11	05:58	86	12:06	77S	18:14	274	19:01
2025	Mar	30	(Sun)	05:10	05:57	86	12:05	77S	18:14	274	19:01
2025	Mar	31	(Mon)	05:09	05:56	85	12:05	78S	18:14	275	19:01
2025	Apr	01	(Tue)	05:08	05:56	85	12:05	78S	18:14	275	19:01
2025	Apr	02	(Wed)	05:08	05:55	85	12:04	78S	18:14	276	19:02
2025	Apr	03	(Thu)	05:07	05:54	84	12:04	79S	18:14	276	19:02
2025	Apr	04	(Fri)	05:06	05:53	84	12:04	79S	18:15	276	19:02
2025	Apr	05	(Sat)	05:05	05:53	83	12:04	79S	18:15	277	19:02
2025	Apr	06	(Sun)	05:04	05:52	83	12:03	80S	18:15	277	19:03
2025	Apr	07	(Mon)	05:04	05:51	83	12:03	80S	18:15	278	19:03
2025	Apr	08	(Tue)	05:03	05:50	82	12:03	81S	18:15	278	19:03
2025	Apr	09	(Wed)	05:02	05:49	82	12:02	81S	18:16	278	19:03
2025	Apr	10	(Thu)	05:01	05:49	81	12:02	81S	18:16	279	19:04
2025	Apr	11	(Fri)	05:00	05:48	81	12:02	82S	18:16	279	19:04
2025	Apr	12	(Sat)	05:00	05:47	81	12:02	82S	18:16	280	19:04
2025	Apr	13	(Sun)	04:59	05:47	80	12:01	82S	18:17	280	19:04
2025	Apr	14	(Mon)	04:58	05:46	80	12:01	83S	18:17	280	19:05
2025	Apr	15	(Tue)	04:57	05:45	80	12:01	83S	18:17	281	19:05
2025	Apr	16	(Wed)	04:56	05:44	79	12:01	84S	18:17	281	19:05
2025	Apr	17	(Thu)	04:56	05:44	79	12:00	84S	18:17	281	19:06
2025	Apr	18	(Fri)	04:55	05:43	78	12:00	84S	18:18	282	19:06
2025	Apr	19	(Sat)	04:54	05:42	78	12:00	85S	18:18	282	19:06
2025	Apr	20	(Sun)	04:53	05:42	78	12:00	85S	18:18	283	19:07
2025	Apr	21	(Mon)	04:53	05:41	77	12:00	85S	18:18	283	19:07
2025	Apr	22	(Tue)	04:52	05:40	77	11:59	86S	18:19	283	19:07
2025	Apr	23	(Wed)	04:51	05:40	77	11:59	86S	18:19	284	19:08
2025	Apr	24	(Thu)	04:50	05:39	76	11:59	86S	18:19	284	19:08
2025	Apr	25	(Fri)	04:50	05:38	76	11:59	87S	18:19	284	19:08
2025	Apr	26	(Sat)	04:49	05:38	76	11:59	87S	18:20	285	19:09
2025	Apr	27	(Sun)	04:48	05:37	75	11:59	87S	18:20	285	19:09
2025	Apr	28	(Mon)	04:48	05:37	75	11:58	88S	18:20	285	19:09
2025	Apr	29	(Tue)	04:47	05:36	75	11:58	88S	18:21	286	19:10
2025	Apr	30	(Wed)	04:46	05:36	74	11:58	88S	18:21	286	19:10
2025	May	01	(Thu)	04:46	05:35	74	11:58	88S	18:21	286	19:10
2025	May	02	(Fri)	04:45	05:34	74	11:58	89S	18:21	287	19:11
2025	May	03	(Sat)	04:45	05:34	73	11:58	89S	18:22	287	19:11
2025	May	04	(Sun)	04:44	05:33	73	11:58	89S	18:22	287	19:12
2025	May	05	(Mon)	04:43	05:33	73	11:58	90S	18:22	287	19:12
2025	May	06	(Tue)	04:43	05:33	72	11:57	90S	18:23	288	19:12
2025	May	07	(Wed)	04:42	05:32	72	11:57	90S	18:23	288	19:13
2025	May	08	(Thu)	04:42	05:32	72	11:57	90S	18:23	288	19:13
2025	May	09	(Fri)	04:41	05:31	72	11:57	91N	18:24	289	19:14
2025	May	10	(Sat)	04:41	05:31	71	11:57	90N	18:24	289	19:14
2025	May	11	(Sun)	04:40	05:30	71	11:57	90N	18:24	289	19:15
2025	May	12	(Mon)	04:40	05:30	71	11:57	90N	18:25	289	19:15

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

2025	Jul	24	(Thu)	04:47	05:38	69	12:07	88N	18:37	291	19:28
2025	Jul	25	(Fri)	04:47	05:38	69	12:07	89N	18:37	291	19:28
2025	Jul	26	(Sat)	04:48	05:38	69	12:07	89N	18:36	291	19:27
2025	Jul	27	(Sun)	04:48	05:39	70	12:07	89N	18:36	290	19:27
2025	Jul	28	(Mon)	04:48	05:39	70	12:07	89N	18:36	290	19:26
2025	Jul	29	(Tue)	04:49	05:39	70	12:07	89N	18:35	290	19:26
2025	Jul	30	(Wed)	04:49	05:40	70	12:07	90N	18:35	290	19:25
2025	Jul	31	(Thu)	04:50	05:40	71	12:07	90N	18:35	289	19:25
2025	Aug	01	(Fri)	04:50	05:40	71	12:07	90N	18:34	289	19:24
2025	Aug	02	(Sat)	04:50	05:41	71	12:07	90N	18:34	289	19:24
2025	Aug	03	(Sun)	04:51	05:41	71	12:07	91N	18:33	288	19:23
2025	Aug	04	(Mon)	04:51	05:41	72	12:07	90S	18:33	288	19:23
2025	Aug	05	(Tue)	04:51	05:41	72	12:07	90S	18:32	288	19:22
2025	Aug	06	(Wed)	04:52	05:42	72	12:07	90S	18:32	288	19:22
2025	Aug	07	(Thu)	04:52	05:42	72	12:07	90S	18:31	287	19:21
2025	Aug	08	(Fri)	04:53	05:42	73	12:07	89S	18:31	287	19:20
2025	Aug	09	(Sat)	04:53	05:42	73	12:06	89S	18:30	287	19:20
2025	Aug	10	(Sun)	04:53	05:43	73	12:06	89S	18:30	286	19:19
2025	Aug	11	(Mon)	04:54	05:43	74	12:06	88S	18:29	286	19:18
2025	Aug	12	(Tue)	04:54	05:43	74	12:06	88S	18:29	286	19:18
2025	Aug	13	(Wed)	04:54	05:43	74	12:06	88S	18:28	285	19:17
2025	Aug	14	(Thu)	04:55	05:44	75	12:06	88S	18:27	285	19:16
2025	Aug	15	(Fri)	04:55	05:44	75	12:05	87S	18:27	285	19:16
2025	Aug	16	(Sat)	04:55	05:44	75	12:05	87S	18:26	285	19:15
2025	Aug	17	(Sun)	04:55	05:44	76	12:05	87S	18:25	284	19:14
2025	Aug	18	(Mon)	04:56	05:45	76	12:05	86S	18:25	284	19:13
2025	Aug	19	(Tue)	04:56	05:45	76	12:05	86S	18:24	283	19:13
2025	Aug	20	(Wed)	04:56	05:45	77	12:04	86S	18:23	283	19:12
2025	Aug	21	(Thu)	04:57	05:45	77	12:04	85S	18:23	283	19:11
2025	Aug	22	(Fri)	04:57	05:45	77	12:04	85S	18:22	282	19:10
2025	Aug	23	(Sat)	04:57	05:46	78	12:04	85S	18:21	282	19:10
2025	Aug	24	(Sun)	04:57	05:46	78	12:03	84S	18:21	282	19:09
2025	Aug	25	(Mon)	04:58	05:46	78	12:03	84S	18:20	281	19:08
2025	Aug	26	(Tue)	04:58	05:46	79	12:03	84S	18:19	281	19:07
2025	Aug	27	(Wed)	04:58	05:46	79	12:02	83S	18:18	281	19:06
2025	Aug	28	(Thu)	04:58	05:46	80	12:02	83S	18:18	280	19:06
2025	Aug	29	(Fri)	04:59	05:47	80	12:02	83S	18:17	280	19:05
2025	Aug	30	(Sat)	04:59	05:47	80	12:02	82S	18:16	280	19:04
2025	Aug	31	(Sun)	04:59	05:47	81	12:01	82S	18:15	279	19:03
2025	Sep	01	(Mon)	04:59	05:47	81	12:01	81S	18:15	279	19:02
2025	Sep	02	(Tue)	05:00	05:47	81	12:01	81S	18:14	278	19:01
2025	Sep	03	(Wed)	05:00	05:47	82	12:00	81S	18:13	278	19:00
2025	Sep	04	(Thu)	05:00	05:47	82	12:00	80S	18:12	278	19:00
2025	Sep	05	(Fri)	05:00	05:48	83	12:00	80S	18:11	277	18:59
2025	Sep	06	(Sat)	05:00	05:48	83	11:59	80S	18:11	277	18:58
2025	Sep	07	(Sun)	05:01	05:48	83	11:59	79S	18:10	276	18:57
2025	Sep	08	(Mon)	05:01	05:48	84	11:59	79S	18:09	276	18:56
2025	Sep	09	(Tue)	05:01	05:48	84	11:58	79S	18:08	276	18:55
2025	Sep	10	(Wed)	05:01	05:48	85	11:58	78S	18:07	275	18:54
2025	Sep	11	(Thu)	05:01	05:48	85	11:58	78S	18:06	275	18:54
2025	Sep	12	(Fri)	05:01	05:49	85	11:57	77S	18:06	274	18:53
2025	Sep	13	(Sat)	05:02	05:49	86	11:57	77S	18:05	274	18:52
2025	Sep	14	(Sun)	05:02	05:49	86	11:56	77S	18:04	274	18:51
2025	Sep	15	(Mon)	05:02	05:49	87	11:56	76S	18:03	273	18:50
2025	Sep	16	(Tue)	05:02	05:49	87	11:56	76S	18:02	273	18:49
2025	Sep	17	(Wed)	05:02	05:49	87	11:55	75S	18:01	272	18:48
2025	Sep	18	(Thu)	05:02	05:49	88	11:55	75S	18:01	272	18:47
2025	Sep	19	(Fri)	05:03	05:49	88	11:55	75S	18:00	272	18:47
2025	Sep	20	(Sat)	05:03	05:50	89	11:54	74S	17:59	271	18:46
2025	Sep	21	(Sun)	05:03	05:50	89	11:54	74S	17:58	271	18:45
2025	Sep	22	(Mon)	05:03	05:50	89	11:54	74S	17:57	270	18:44
2025	Sep	23	(Tue)	05:03	05:50	90	11:53	73S	17:56	270	18:43
2025	Sep	24	(Wed)	05:03	05:50	90	11:53	73S	17:55	270	18:42
2025	Sep	25	(Thu)	05:03	05:50	91	11:53	72S	17:55	269	18:41
2025	Sep	26	(Fri)	05:04	05:50	91	11:52	72S	17:54	269	18:41
2025	Sep	27	(Sat)	05:04	05:51	91	11:52	72S	17:53	268	18:40
2025	Sep	28	(Sun)	05:04	05:51	92	11:52	71S	17:52	268	18:39
2025	Sep	29	(Mon)	05:04	05:51	92	11:51	71S	17:51	268	18:38
2025	Sep	30	(Tue)	05:04	05:51	93	11:51	70S	17:51	267	18:37
2025	Oct	01	(Wed)	05:04	05:51	93	11:51	70S	17:50	267	18:37
2025	Oct	02	(Thu)	05:04	05:51	93	11:50	70S	17:49	266	18:36
2025	Oct	03	(Fri)	05:05	05:52	94	11:50	69S	17:48	266	18:35

2025	Oct	04	(Sat)	05:05	05:52	94	11:50	69S	17:47	266	18:34
2025	Oct	05	(Sun)	05:05	05:52	95	11:49	68S	17:47	265	18:33
2025	Oct	06	(Mon)	05:05	05:52	95	11:49	68S	17:46	265	18:33
2025	Oct	07	(Tue)	05:05	05:52	96	11:49	68S	17:45	264	18:32
2025	Oct	08	(Wed)	05:05	05:52	96	11:48	67S	17:44	264	18:31
2025	Oct	09	(Thu)	05:06	05:53	96	11:48	67S	17:43	264	18:30
2025	Oct	10	(Fri)	05:06	05:53	97	11:48	67S	17:43	263	18:30
2025	Oct	11	(Sat)	05:06	05:53	97	11:48	66S	17:42	263	18:29
2025	Oct	12	(Sun)	05:06	05:53	97	11:47	66S	17:41	262	18:28
2025	Oct	13	(Mon)	05:06	05:53	98	11:47	65S	17:41	262	18:28
2025	Oct	14	(Tue)	05:07	05:54	98	11:47	65S	17:40	262	18:27
2025	Oct	15	(Wed)	05:07	05:54	99	11:47	65S	17:39	261	18:26
2025	Oct	16	(Thu)	05:07	05:54	99	11:46	64S	17:38	261	18:26
2025	Oct	17	(Fri)	05:07	05:54	99	11:46	64S	17:38	260	18:25
2025	Oct	18	(Sat)	05:07	05:55	100	11:46	64S	17:37	260	18:24
2025	Oct	19	(Sun)	05:08	05:55	100	11:46	63S	17:36	260	18:24
2025	Oct	20	(Mon)	05:08	05:55	101	11:46	63S	17:36	259	18:23
2025	Oct	21	(Tue)	05:08	05:56	101	11:46	63S	17:35	259	18:23
2025	Oct	22	(Wed)	05:08	05:56	101	11:45	62S	17:35	258	18:22
2025	Oct	23	(Thu)	05:09	05:56	102	11:45	62S	17:34	258	18:22
2025	Oct	24	(Fri)	05:09	05:57	102	11:45	61S	17:33	258	18:21
2025	Oct	25	(Sat)	05:09	05:57	102	11:45	61S	17:33	257	18:21
2025	Oct	26	(Sun)	05:09	05:57	103	11:45	61S	17:32	257	18:20
2025	Oct	27	(Mon)	05:10	05:58	103	11:45	60S	17:32	257	18:20
2025	Oct	28	(Tue)	05:10	05:58	103	11:45	60S	17:31	256	18:19
2025	Oct	29	(Wed)	05:10	05:58	104	11:45	60S	17:31	256	18:19
2025	Oct	30	(Thu)	05:11	05:59	104	11:45	59S	17:30	256	18:18
2025	Oct	31	(Fri)	05:11	05:59	105	11:45	59S	17:30	255	18:18
2025	Nov	01	(Sat)	05:11	05:59	105	11:44	59S	17:29	255	18:17
2025	Nov	02	(Sun)	05:12	06:00	105	11:44	58S	17:29	255	18:17
2025	Nov	03	(Mon)	05:12	06:00	106	11:44	58S	17:29	254	18:17
2025	Nov	04	(Tue)	05:12	06:01	106	11:44	58S	17:28	254	18:16
2025	Nov	05	(Wed)	05:13	06:01	106	11:44	58S	17:28	254	18:16
2025	Nov	06	(Thu)	05:13	06:01	106	11:45	57S	17:27	253	18:16
2025	Nov	07	(Fri)	05:13	06:02	107	11:45	57S	17:27	253	18:16
2025	Nov	08	(Sat)	05:14	06:02	107	11:45	57S	17:27	253	18:15
2025	Nov	09	(Sun)	05:14	06:03	107	11:45	56S	17:26	252	18:15
2025	Nov	10	(Mon)	05:15	06:03	108	11:45	56S	17:26	252	18:15
2025	Nov	11	(Tue)	05:15	06:04	108	11:45	56S	17:26	252	18:15
2025	Nov	12	(Wed)	05:15	06:04	108	11:45	56S	17:26	252	18:14
2025	Nov	13	(Thu)	05:16	06:05	109	11:45	55S	17:25	251	18:14
2025	Nov	14	(Fri)	05:16	06:05	109	11:45	55S	17:25	251	18:14
2025	Nov	15	(Sat)	05:17	06:06	109	11:45	55S	17:25	251	18:14
2025	Nov	16	(Sun)	05:17	06:06	109	11:46	55S	17:25	250	18:14
2025	Nov	17	(Mon)	05:18	06:07	110	11:46	54S	17:25	250	18:14
2025	Nov	18	(Tue)	05:18	06:07	110	11:46	54S	17:25	250	18:14
2025	Nov	19	(Wed)	05:19	06:08	110	11:46	54S	17:24	250	18:14
2025	Nov	20	(Thu)	05:19	06:08	110	11:46	54S	17:24	249	18:14
2025	Nov	21	(Fri)	05:20	06:09	111	11:47	53S	17:24	249	18:14
2025	Nov	22	(Sat)	05:20	06:10	111	11:47	53S	17:24	249	18:14
2025	Nov	23	(Sun)	05:21	06:10	111	11:47	53S	17:24	249	18:14
2025	Nov	24	(Mon)	05:21	06:11	111	11:48	53S	17:24	249	18:14
2025	Nov	25	(Tue)	05:22	06:11	112	11:48	53S	17:24	248	18:14
2025	Nov	26	(Wed)	05:22	06:12	112	11:48	52S	17:24	248	18:14
2025	Nov	27	(Thu)	05:23	06:12	112	11:48	52S	17:24	248	18:14
2025	Nov	28	(Fri)	05:23	06:13	112	11:49	52S	17:24	248	18:14
2025	Nov	29	(Sat)	05:24	06:14	112	11:49	52S	17:25	248	18:15
2025	Nov	30	(Sun)	05:24	06:14	112	11:50	52S	17:25	247	18:15
2025	Dec	01	(Mon)	05:25	06:15	113	11:50	51S	17:25	247	18:15
2025	Dec	02	(Tue)	05:25	06:15	113	11:50	51S	17:25	247	18:15
2025	Dec	03	(Wed)	05:26	06:16	113	11:51	51S	17:25	247	18:15
2025	Dec	04	(Thu)	05:26	06:17	113	11:51	51S	17:25	247	18:16
2025	Dec	05	(Fri)	05:27	06:17	113	11:51	51S	17:26	247	18:16
2025	Dec	06	(Sat)	05:27	06:18	113	11:52	51S	17:26	247	18:16
2025	Dec	07	(Sun)	05:28	06:18	113	11:52	51S	17:26	246	18:17
2025	Dec	08	(Mon)	05:29	06:19	114	11:53	51S	17:26	246	18:17
2025	Dec	09	(Tue)	05:29	06:20	114	11:53	50S	17:27	246	18:17
2025	Dec	10	(Wed)	05:30	06:20	114	11:54	50S	17:27	246	18:18
2025	Dec	11	(Thu)	05:30	06:21	114	11:54	50S	17:27	246	18:18
2025	Dec	12	(Fri)	05:31	06:21	114	11:55	50S	17:28	246	18:18
2025	Dec	13	(Sat)	05:31	06:22	114	11:55	50S	17:28	246	18:19
2025	Dec	14	(Sun)	05:32	06:22	114	11:55	50S	17:28	246	18:19

2025	Dec 15	(Mon)	05:32	06:23	114	11:56	50S	17:29	246	18:20
2025	Dec 16	(Tue)	05:33	06:24	114	11:56	50S	17:29	246	18:20
2025	Dec 17	(Wed)	05:33	06:24	114	11:57	50S	17:30	246	18:20
2025	Dec 18	(Thu)	05:34	06:25	114	11:57	50S	17:30	246	18:21
2025	Dec 19	(Fri)	05:34	06:25	114	11:58	50S	17:31	246	18:21
2025	Dec 20	(Sat)	05:35	06:26	114	11:58	50S	17:31	246	18:22
2025	Dec 21	(Sun)	05:35	06:26	114	11:59	50S	17:32	246	18:22
2025	Dec 22	(Mon)	05:36	06:27	114	11:59	50S	17:32	246	18:23
2025	Dec 23	(Tue)	05:36	06:27	114	12:00	50S	17:33	246	18:23
2025	Dec 24	(Wed)	05:37	06:28	114	12:00	50S	17:33	246	18:24
2025	Dec 25	(Thu)	05:37	06:28	114	12:01	50S	17:34	246	18:24
2025	Dec 26	(Fri)	05:38	06:29	114	12:01	50S	17:34	246	18:25
2025	Dec 27	(Sat)	05:38	06:29	114	12:02	50S	17:35	246	18:25
2025	Dec 28	(Sun)	05:39	06:29	114	12:02	50S	17:35	246	18:26
2025	Dec 29	(Mon)	05:39	06:30	114	12:03	50S	17:36	246	18:27
2025	Dec 30	(Tue)	05:40	06:30	114	12:03	50S	17:37	246	18:27
2025	Dec 31	(Wed)	05:40	06:31	114	12:04	50S	17:37	246	18:28

Sun

Nakhon Phanom

Location: E104°46'51.6", N17°24'32.3", 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 °	h m
2025	Jan 01	(Wed)	06:08	06:31	114	12:04 50S	17:38	246	18:01
2025	Jan 02	(Thu)	06:08	06:31	114	12:05 50S	17:38	246	18:02
2025	Jan 03	(Fri)	06:08	06:32	114	12:05 51S	17:39	246	18:03
2025	Jan 04	(Sat)	06:09	06:32	114	12:06 51S	17:40	246	18:03
2025	Jan 05	(Sun)	06:09	06:32	113	12:06 51S	17:40	247	18:04
2025	Jan 06	(Mon)	06:09	06:33	113	12:07 51S	17:41	247	18:04
2025	Jan 07	(Tue)	06:09	06:33	113	12:07 51S	17:41	247	18:05
2025	Jan 08	(Wed)	06:10	06:33	113	12:08 51S	17:42	247	18:05
2025	Jan 09	(Thu)	06:10	06:33	113	12:08 51S	17:43	247	18:06
2025	Jan 10	(Fri)	06:10	06:34	113	12:08 51S	17:43	247	18:07
2025	Jan 11	(Sat)	06:10	06:34	113	12:09 52S	17:44	247	18:07
2025	Jan 12	(Sun)	06:11	06:34	112	12:09 52S	17:45	248	18:08
2025	Jan 13	(Mon)	06:11	06:34	112	12:10 52S	17:45	248	18:08
2025	Jan 14	(Tue)	06:11	06:34	112	12:10 52S	17:46	248	18:09
2025	Jan 15	(Wed)	06:11	06:34	112	12:10 52S	17:46	248	18:10
2025	Jan 16	(Thu)	06:11	06:34	112	12:11 52S	17:47	248	18:10
2025	Jan 17	(Fri)	06:11	06:34	112	12:11 53S	17:48	249	18:11
2025	Jan 18	(Sat)	06:11	06:34	111	12:11 53S	17:48	249	18:11
2025	Jan 19	(Sun)	06:11	06:34	111	12:12 53S	17:49	249	18:12
2025	Jan 20	(Mon)	06:11	06:34	111	12:12 53S	17:49	249	18:12
2025	Jan 21	(Tue)	06:11	06:34	111	12:12 53S	17:50	249	18:13
2025	Jan 22	(Wed)	06:11	06:34	110	12:12 54S	17:51	250	18:14
2025	Jan 23	(Thu)	06:11	06:34	110	12:13 54S	17:51	250	18:14
2025	Jan 24	(Fri)	06:11	06:34	110	12:13 54S	17:52	250	18:15
2025	Jan 25	(Sat)	06:11	06:34	110	12:13 54S	17:52	250	18:15
2025	Jan 26	(Sun)	06:11	06:34	109	12:13 55S	17:53	251	18:16
2025	Jan 27	(Mon)	06:11	06:34	109	12:14 55S	17:53	251	18:16
2025	Jan 28	(Tue)	06:11	06:34	109	12:14 55S	17:54	251	18:17
2025	Jan 29	(Wed)	06:11	06:34	109	12:14 55S	17:55	252	18:17
2025	Jan 30	(Thu)	06:11	06:33	108	12:14 56S	17:55	252	18:18
2025	Jan 31	(Fri)	06:10	06:33	108	12:14 56S	17:56	252	18:18
2025	Feb 01	(Sat)	06:10	06:33	108	12:14 56S	17:56	252	18:19
2025	Feb 02	(Sun)	06:10	06:33	107	12:15 57S	17:57	253	18:19
2025	Feb 03	(Mon)	06:10	06:32	107	12:15 57S	17:57	253	18:20
2025	Feb 04	(Tue)	06:10	06:32	107	12:15 57S	17:58	253	18:20
2025	Feb 05	(Wed)	06:09	06:32	106	12:15 57S	17:58	254	18:21
2025	Feb 06	(Thu)	06:09	06:31	106	12:15 58S	17:59	254	18:21
2025	Feb 07	(Fri)	06:09	06:31	106	12:15 58S	17:59	254	18:22
2025	Feb 08	(Sat)	06:08	06:31	105	12:15 58S	18:00	255	18:22
2025	Feb 09	(Sun)	06:08	06:30	105	12:15 59S	18:00	255	18:22
2025	Feb 10	(Mon)	06:08	06:30	105	12:15 59S	18:00	255	18:23
2025	Feb 11	(Tue)	06:07	06:29	104	12:15 59S	18:01	256	18:23

2025	Feb	12	(Wed)	06:07	06:29	104	12:15	60S	18:01	256	18:24
2025	Feb	13	(Thu)	06:06	06:29	104	12:15	60S	18:02	256	18:24
2025	Feb	14	(Fri)	06:06	06:28	103	12:15	60S	18:02	257	18:24
2025	Feb	15	(Sat)	06:05	06:28	103	12:15	61S	18:03	257	18:25
2025	Feb	16	(Sun)	06:05	06:27	103	12:15	61S	18:03	258	18:25
2025	Feb	17	(Mon)	06:04	06:27	102	12:15	61S	18:03	258	18:25
2025	Feb	18	(Tue)	06:04	06:26	102	12:15	62S	18:04	258	18:26
2025	Feb	19	(Wed)	06:03	06:25	102	12:15	62S	18:04	259	18:26
2025	Feb	20	(Thu)	06:03	06:25	101	12:15	62S	18:04	259	18:26
2025	Feb	21	(Fri)	06:02	06:24	101	12:14	63S	18:05	259	18:27
2025	Feb	22	(Sat)	06:02	06:24	100	12:14	63S	18:05	260	18:27
2025	Feb	23	(Sun)	06:01	06:23	100	12:14	64S	18:05	260	18:27
2025	Feb	24	(Mon)	06:01	06:23	100	12:14	64S	18:06	261	18:28
2025	Feb	25	(Tue)	06:00	06:22	99	12:14	64S	18:06	261	18:28
2025	Feb	26	(Wed)	05:59	06:21	99	12:14	65S	18:06	261	18:28
2025	Feb	27	(Thu)	05:59	06:21	98	12:14	65S	18:07	262	18:29
2025	Feb	28	(Fri)	05:58	06:20	98	12:13	65S	18:07	262	18:29
2025	Mar	01	(Sat)	05:57	06:19	98	12:13	66S	18:07	263	18:29
2025	Mar	02	(Sun)	05:57	06:19	97	12:13	66S	18:08	263	18:29
2025	Mar	03	(Mon)	05:56	06:18	97	12:13	67S	18:08	263	18:30
2025	Mar	04	(Tue)	05:55	06:17	96	12:13	67S	18:08	264	18:30
2025	Mar	05	(Wed)	05:55	06:17	96	12:12	67S	18:08	264	18:30
2025	Mar	06	(Thu)	05:54	06:16	96	12:12	68S	18:09	265	18:30
2025	Mar	07	(Fri)	05:53	06:15	95	12:12	68S	18:09	265	18:31
2025	Mar	08	(Sat)	05:53	06:14	95	12:12	69S	18:09	265	18:31
2025	Mar	09	(Sun)	05:52	06:14	94	12:11	69S	18:09	266	18:31
2025	Mar	10	(Mon)	05:51	06:13	94	12:11	69S	18:10	266	18:31
2025	Mar	11	(Tue)	05:50	06:12	94	12:11	70S	18:10	267	18:32
2025	Mar	12	(Wed)	05:50	06:11	93	12:11	70S	18:10	267	18:32
2025	Mar	13	(Thu)	05:49	06:11	93	12:10	70S	18:10	267	18:32
2025	Mar	14	(Fri)	05:48	06:10	92	12:10	71S	18:11	268	18:32
2025	Mar	15	(Sat)	05:47	06:09	92	12:10	71S	18:11	268	18:32
2025	Mar	16	(Sun)	05:47	06:08	92	12:09	72S	18:11	269	18:33
2025	Mar	17	(Mon)	05:46	06:07	91	12:09	72S	18:11	269	18:33
2025	Mar	18	(Tue)	05:45	06:07	91	12:09	72S	18:11	269	18:33
2025	Mar	19	(Wed)	05:44	06:06	90	12:09	73S	18:12	270	18:33
2025	Mar	20	(Thu)	05:43	06:05	90	12:08	73S	18:12	270	18:33
2025	Mar	21	(Fri)	05:43	06:04	89	12:08	74S	18:12	271	18:34
2025	Mar	22	(Sat)	05:42	06:04	89	12:08	74S	18:12	271	18:34
2025	Mar	23	(Sun)	05:41	06:03	89	12:07	74S	18:12	272	18:34
2025	Mar	24	(Mon)	05:40	06:02	88	12:07	75S	18:13	272	18:34
2025	Mar	25	(Tue)	05:39	06:01	88	12:07	75S	18:13	272	18:34
2025	Mar	26	(Wed)	05:39	06:00	87	12:07	76S	18:13	273	18:35
2025	Mar	27	(Thu)	05:38	06:00	87	12:06	76S	18:13	273	18:35
2025	Mar	28	(Fri)	05:37	05:59	87	12:06	76S	18:13	274	18:35
2025	Mar	29	(Sat)	05:36	05:58	86	12:06	77S	18:14	274	18:35
2025	Mar	30	(Sun)	05:35	05:57	86	12:05	77S	18:14	274	18:35
2025	Mar	31	(Mon)	05:35	05:56	85	12:05	78S	18:14	275	18:36
2025	Apr	01	(Tue)	05:34	05:56	85	12:05	78S	18:14	275	18:36
2025	Apr	02	(Wed)	05:33	05:55	85	12:04	78S	18:14	276	18:36
2025	Apr	03	(Thu)	05:32	05:54	84	12:04	79S	18:14	276	18:36
2025	Apr	04	(Fri)	05:31	05:53	84	12:04	79S	18:15	276	18:37
2025	Apr	05	(Sat)	05:31	05:53	83	12:04	79S	18:15	277	18:37
2025	Apr	06	(Sun)	05:30	05:52	83	12:03	80S	18:15	277	18:37
2025	Apr	07	(Mon)	05:29	05:51	83	12:03	80S	18:15	278	18:37
2025	Apr	08	(Tue)	05:28	05:50	82	12:03	81S	18:15	278	18:37
2025	Apr	09	(Wed)	05:28	05:49	82	12:02	81S	18:16	278	18:38
2025	Apr	10	(Thu)	05:27	05:49	81	12:02	81S	18:16	279	18:38
2025	Apr	11	(Fri)	05:26	05:48	81	12:02	82S	18:16	279	18:38
2025	Apr	12	(Sat)	05:25	05:47	81	12:02	82S	18:16	280	18:38
2025	Apr	13	(Sun)	05:24	05:47	80	12:01	82S	18:17	280	18:39
2025	Apr	14	(Mon)	05:24	05:46	80	12:01	83S	18:17	280	18:39
2025	Apr	15	(Tue)	05:23	05:45	80	12:01	83S	18:17	281	18:39
2025	Apr	16	(Wed)	05:22	05:44	79	12:01	84S	18:17	281	18:39
2025	Apr	17	(Thu)	05:22	05:44	79	12:00	84S	18:17	281	18:40
2025	Apr	18	(Fri)	05:21	05:43	78	12:00	84S	18:18	282	18:40
2025	Apr	19	(Sat)	05:20	05:42	78	12:00	85S	18:18	282	18:40
2025	Apr	20	(Sun)	05:19	05:42	78	12:00	85S	18:18	283	18:40
2025	Apr	21	(Mon)	05:19	05:41	77	12:00	85S	18:18	283	18:41
2025	Apr	22	(Tue)	05:18	05:40	77	11:59	86S	18:19	283	18:41
2025	Apr	23	(Wed)	05:17	05:40	77	11:59	86S	18:19	284	18:41
2025	Apr	24	(Thu)	05:17	05:39	76	11:59	86S	18:19	284	18:42

2025	Apr	25	(Fri)	05:16	05:38	76	11:59	87S	18:19	284	18:42
2025	Apr	26	(Sat)	05:15	05:38	76	11:59	87S	18:20	285	18:42
2025	Apr	27	(Sun)	05:15	05:37	75	11:59	87S	18:20	285	18:43
2025	Apr	28	(Mon)	05:14	05:37	75	11:58	88S	18:20	285	18:43
2025	Apr	29	(Tue)	05:14	05:36	75	11:58	88S	18:21	286	18:43
2025	Apr	30	(Wed)	05:13	05:36	74	11:58	88S	18:21	286	18:44
2025	May	01	(Thu)	05:12	05:35	74	11:58	88S	18:21	286	18:44
2025	May	02	(Fri)	05:12	05:34	74	11:58	89S	18:21	287	18:44
2025	May	03	(Sat)	05:11	05:34	73	11:58	89S	18:22	287	18:45
2025	May	04	(Sun)	05:11	05:33	73	11:58	89S	18:22	287	18:45
2025	May	05	(Mon)	05:10	05:33	73	11:58	90S	18:22	287	18:45
2025	May	06	(Tue)	05:10	05:33	72	11:57	90S	18:23	288	18:46
2025	May	07	(Wed)	05:09	05:32	72	11:57	90S	18:23	288	18:46
2025	May	08	(Thu)	05:09	05:32	72	11:57	90S	18:23	288	18:46
2025	May	09	(Fri)	05:08	05:31	72	11:57	91N	18:24	289	18:47
2025	May	10	(Sat)	05:08	05:31	71	11:57	90N	18:24	289	18:47
2025	May	11	(Sun)	05:07	05:30	71	11:57	90N	18:24	289	18:47
2025	May	12	(Mon)	05:07	05:30	71	11:57	90N	18:25	289	18:48
2025	May	13	(Tue)	05:06	05:30	70	11:57	90N	18:25	290	18:48
2025	May	14	(Wed)	05:06	05:29	70	11:57	89N	18:25	290	18:49
2025	May	15	(Thu)	05:06	05:29	70	11:57	89N	18:26	290	18:49
2025	May	16	(Fri)	05:05	05:29	70	11:57	89N	18:26	290	18:49
2025	May	17	(Sat)	05:05	05:28	69	11:57	89N	18:26	291	18:50
2025	May	18	(Sun)	05:05	05:28	69	11:57	89N	18:27	291	18:50
2025	May	19	(Mon)	05:04	05:28	69	11:57	88N	18:27	291	18:51
2025	May	20	(Tue)	05:04	05:27	69	11:57	88N	18:27	291	18:51
2025	May	21	(Wed)	05:04	05:27	69	11:57	88N	18:28	292	18:51
2025	May	22	(Thu)	05:04	05:27	68	11:58	88N	18:28	292	18:52
2025	May	23	(Fri)	05:03	05:27	68	11:58	87N	18:29	292	18:52
2025	May	24	(Sat)	05:03	05:27	68	11:58	87N	18:29	292	18:53
2025	May	25	(Sun)	05:03	05:26	68	11:58	87N	18:29	292	18:53
2025	May	26	(Mon)	05:03	05:26	68	11:58	87N	18:30	293	18:53
2025	May	27	(Tue)	05:03	05:26	67	11:58	87N	18:30	293	18:54
2025	May	28	(Wed)	05:02	05:26	67	11:58	87N	18:30	293	18:54
2025	May	29	(Thu)	05:02	05:26	67	11:58	86N	18:31	293	18:55
2025	May	30	(Fri)	05:02	05:26	67	11:58	86N	18:31	293	18:55
2025	May	31	(Sat)	05:02	05:26	67	11:59	86N	18:31	293	18:55
2025	Jun	01	(Sun)	05:02	05:26	67	11:59	86N	18:32	294	18:56
2025	Jun	02	(Mon)	05:02	05:26	66	11:59	86N	18:32	294	18:56
2025	Jun	03	(Tue)	05:02	05:26	66	11:59	86N	18:33	294	18:56
2025	Jun	04	(Wed)	05:02	05:26	66	11:59	86N	18:33	294	18:57
2025	Jun	05	(Thu)	05:02	05:26	66	11:59	86N	18:33	294	18:57
2025	Jun	06	(Fri)	05:02	05:26	66	12:00	85N	18:34	294	18:58
2025	Jun	07	(Sat)	05:02	05:26	66	12:00	85N	18:34	294	18:58
2025	Jun	08	(Sun)	05:02	05:26	66	12:00	85N	18:34	294	18:58
2025	Jun	09	(Mon)	05:02	05:26	66	12:00	85N	18:35	294	18:59
2025	Jun	10	(Tue)	05:02	05:26	66	12:00	85N	18:35	295	18:59
2025	Jun	11	(Wed)	05:02	05:26	65	12:01	85N	18:35	295	18:59
2025	Jun	12	(Thu)	05:02	05:26	65	12:01	85N	18:35	295	19:00
2025	Jun	13	(Fri)	05:02	05:26	65	12:01	85N	18:36	295	19:00
2025	Jun	14	(Sat)	05:02	05:26	65	12:01	85N	18:36	295	19:00
2025	Jun	15	(Sun)	05:02	05:26	65	12:01	85N	18:36	295	19:00
2025	Jun	16	(Mon)	05:03	05:27	65	12:02	85N	18:37	295	19:01
2025	Jun	17	(Tue)	05:03	05:27	65	12:02	85N	18:37	295	19:01
2025	Jun	18	(Wed)	05:03	05:27	65	12:02	85N	18:37	295	19:01
2025	Jun	19	(Thu)	05:03	05:27	65	12:02	85N	18:37	295	19:01
2025	Jun	20	(Fri)	05:03	05:27	65	12:02	85N	18:38	295	19:02
2025	Jun	21	(Sat)	05:03	05:28	65	12:03	85N	18:38	295	19:02
2025	Jun	22	(Sun)	05:04	05:28	65	12:03	85N	18:38	295	19:02
2025	Jun	23	(Mon)	05:04	05:28	65	12:03	85N	18:38	295	19:02
2025	Jun	24	(Tue)	05:04	05:28	65	12:03	85N	18:38	295	19:02
2025	Jun	25	(Wed)	05:04	05:29	65	12:04	85N	18:39	295	19:03
2025	Jun	26	(Thu)	05:05	05:29	65	12:04	85N	18:39	295	19:03
2025	Jun	27	(Fri)	05:05	05:29	65	12:04	85N	18:39	295	19:03
2025	Jun	28	(Sat)	05:05	05:29	65	12:04	85N	18:39	295	19:03
2025	Jun	29	(Sun)	05:06	05:30	65	12:04	85N	18:39	295	19:03
2025	Jun	30	(Mon)	05:06	05:30	65	12:05	85N	18:39	295	19:03
2025	Jul	01	(Tue)	05:06	05:30	65	12:05	85N	18:39	295	19:03
2025	Jul	02	(Wed)	05:06	05:30	66	12:05	85N	18:39	294	19:03
2025	Jul	03	(Thu)	05:07	05:31	66	12:05	85N	18:39	294	19:03
2025	Jul	04	(Fri)	05:07	05:31	66	12:05	85N	18:40	294	19:03
2025	Jul	05	(Sat)	05:07	05:31	66	12:06	85N	18:40	294	19:03

2025	Jul	06	(Sun)	05:08	05:32	66	12:06	85N	18:40	294	19:03
2025	Jul	07	(Mon)	05:08	05:32	66	12:06	86N	18:40	294	19:03
2025	Jul	08	(Tue)	05:08	05:32	66	12:06	86N	18:40	294	19:03
2025	Jul	09	(Wed)	05:09	05:33	66	12:06	86N	18:40	294	19:03
2025	Jul	10	(Thu)	05:09	05:33	66	12:06	86N	18:39	294	19:03
2025	Jul	11	(Fri)	05:10	05:33	66	12:06	86N	18:39	293	19:03
2025	Jul	12	(Sat)	05:10	05:34	67	12:07	86N	18:39	293	19:03
2025	Jul	13	(Sun)	05:10	05:34	67	12:07	86N	18:39	293	19:03
2025	Jul	14	(Mon)	05:11	05:34	67	12:07	86N	18:39	293	19:03
2025	Jul	15	(Tue)	05:11	05:35	67	12:07	87N	18:39	293	19:03
2025	Jul	16	(Wed)	05:11	05:35	67	12:07	87N	18:39	293	19:02
2025	Jul	17	(Thu)	05:12	05:35	67	12:07	87N	18:39	292	19:02
2025	Jul	18	(Fri)	05:12	05:36	68	12:07	87N	18:38	292	19:02
2025	Jul	19	(Sat)	05:12	05:36	68	12:07	87N	18:38	292	19:02
2025	Jul	20	(Sun)	05:13	05:36	68	12:07	88N	18:38	292	19:02
2025	Jul	21	(Mon)	05:13	05:37	68	12:07	88N	18:38	292	19:01
2025	Jul	22	(Tue)	05:14	05:37	68	12:07	88N	18:38	291	19:01
2025	Jul	23	(Wed)	05:14	05:37	69	12:07	88N	18:37	291	19:01
2025	Jul	24	(Thu)	05:14	05:38	69	12:07	88N	18:37	291	19:00
2025	Jul	25	(Fri)	05:15	05:38	69	12:07	89N	18:37	291	19:00
2025	Jul	26	(Sat)	05:15	05:38	69	12:07	89N	18:36	291	19:00
2025	Jul	27	(Sun)	05:15	05:39	70	12:07	89N	18:36	290	18:59
2025	Jul	28	(Mon)	05:16	05:39	70	12:07	89N	18:36	290	18:59
2025	Jul	29	(Tue)	05:16	05:39	70	12:07	89N	18:35	290	18:59
2025	Jul	30	(Wed)	05:16	05:40	70	12:07	90N	18:35	290	18:58
2025	Jul	31	(Thu)	05:17	05:40	71	12:07	90N	18:35	289	18:58
2025	Aug	01	(Fri)	05:17	05:40	71	12:07	90N	18:34	289	18:57
2025	Aug	02	(Sat)	05:17	05:41	71	12:07	90N	18:34	289	18:57
2025	Aug	03	(Sun)	05:18	05:41	71	12:07	91N	18:33	288	18:56
2025	Aug	04	(Mon)	05:18	05:41	72	12:07	90S	18:33	288	18:56
2025	Aug	05	(Tue)	05:18	05:41	72	12:07	90S	18:32	288	18:55
2025	Aug	06	(Wed)	05:19	05:42	72	12:07	90S	18:32	288	18:55
2025	Aug	07	(Thu)	05:19	05:42	72	12:07	90S	18:31	287	18:54
2025	Aug	08	(Fri)	05:19	05:42	73	12:07	89S	18:31	287	18:54
2025	Aug	09	(Sat)	05:20	05:42	73	12:06	89S	18:30	287	18:53
2025	Aug	10	(Sun)	05:20	05:43	73	12:06	89S	18:30	286	18:52
2025	Aug	11	(Mon)	05:20	05:43	74	12:06	88S	18:29	286	18:52
2025	Aug	12	(Tue)	05:20	05:43	74	12:06	88S	18:29	286	18:51
2025	Aug	13	(Wed)	05:21	05:43	74	12:06	88S	18:28	285	18:51
2025	Aug	14	(Thu)	05:21	05:44	75	12:06	88S	18:27	285	18:50
2025	Aug	15	(Fri)	05:21	05:44	75	12:05	87S	18:27	285	18:49
2025	Aug	16	(Sat)	05:22	05:44	75	12:05	87S	18:26	285	18:49
2025	Aug	17	(Sun)	05:22	05:44	76	12:05	87S	18:25	284	18:48
2025	Aug	18	(Mon)	05:22	05:45	76	12:05	86S	18:25	284	18:47
2025	Aug	19	(Tue)	05:22	05:45	76	12:05	86S	18:24	283	18:46
2025	Aug	20	(Wed)	05:23	05:45	77	12:04	86S	18:23	283	18:46
2025	Aug	21	(Thu)	05:23	05:45	77	12:04	85S	18:23	283	18:45
2025	Aug	22	(Fri)	05:23	05:45	77	12:04	85S	18:22	282	18:44
2025	Aug	23	(Sat)	05:23	05:46	78	12:04	85S	18:21	282	18:44
2025	Aug	24	(Sun)	05:23	05:46	78	12:03	84S	18:21	282	18:43
2025	Aug	25	(Mon)	05:24	05:46	78	12:03	84S	18:20	281	18:42
2025	Aug	26	(Tue)	05:24	05:46	79	12:03	84S	18:19	281	18:41
2025	Aug	27	(Wed)	05:24	05:46	79	12:02	83S	18:18	281	18:41
2025	Aug	28	(Thu)	05:24	05:46	80	12:02	83S	18:18	280	18:40
2025	Aug	29	(Fri)	05:24	05:47	80	12:02	83S	18:17	280	18:39
2025	Aug	30	(Sat)	05:25	05:47	80	12:02	82S	18:16	280	18:38
2025	Aug	31	(Sun)	05:25	05:47	81	12:01	82S	18:15	279	18:37
2025	Sep	01	(Mon)	05:25	05:47	81	12:01	81S	18:15	279	18:37
2025	Sep	02	(Tue)	05:25	05:47	81	12:01	81S	18:14	278	18:36
2025	Sep	03	(Wed)	05:25	05:47	82	12:00	81S	18:13	278	18:35
2025	Sep	04	(Thu)	05:26	05:47	82	12:00	80S	18:12	278	18:34
2025	Sep	05	(Fri)	05:26	05:48	83	12:00	80S	18:11	277	18:33
2025	Sep	06	(Sat)	05:26	05:48	83	11:59	80S	18:11	277	18:32
2025	Sep	07	(Sun)	05:26	05:48	83	11:59	79S	18:10	276	18:32
2025	Sep	08	(Mon)	05:26	05:48	84	11:59	79S	18:09	276	18:31
2025	Sep	09	(Tue)	05:26	05:48	84	11:58	79S	18:08	276	18:30
2025	Sep	10	(Wed)	05:26	05:48	85	11:58	78S	18:07	275	18:29
2025	Sep	11	(Thu)	05:27	05:48	85	11:58	78S	18:06	275	18:28
2025	Sep	12	(Fri)	05:27	05:49	85	11:57	77S	18:06	274	18:27
2025	Sep	13	(Sat)	05:27	05:49	86	11:57	77S	18:05	274	18:26
2025	Sep	14	(Sun)	05:27	05:49	86	11:56	77S	18:04	274	18:26
2025	Sep	15	(Mon)	05:27	05:49	87	11:56	76S	18:03	273	18:25

2025	Sep	16	(Tue)	05:27	05:49	87	11:56	76S	18:02	273	18:24
2025	Sep	17	(Wed)	05:27	05:49	87	11:55	75S	18:01	272	18:23
2025	Sep	18	(Thu)	05:28	05:49	88	11:55	75S	18:01	272	18:22
2025	Sep	19	(Fri)	05:28	05:49	88	11:55	75S	18:00	272	18:21
2025	Sep	20	(Sat)	05:28	05:50	89	11:54	74S	17:59	271	18:21
2025	Sep	21	(Sun)	05:28	05:50	89	11:54	74S	17:58	271	18:20
2025	Sep	22	(Mon)	05:28	05:50	89	11:54	74S	17:57	270	18:19
2025	Sep	23	(Tue)	05:28	05:50	90	11:53	73S	17:56	270	18:18
2025	Sep	24	(Wed)	05:28	05:50	90	11:53	73S	17:55	270	18:17
2025	Sep	25	(Thu)	05:29	05:50	91	11:53	72S	17:55	269	18:16
2025	Sep	26	(Fri)	05:29	05:50	91	11:52	72S	17:54	269	18:15
2025	Sep	27	(Sat)	05:29	05:51	91	11:52	72S	17:53	268	18:15
2025	Sep	28	(Sun)	05:29	05:51	92	11:52	71S	17:52	268	18:14
2025	Sep	29	(Mon)	05:29	05:51	92	11:51	71S	17:51	268	18:13
2025	Sep	30	(Tue)	05:29	05:51	93	11:51	70S	17:51	267	18:12
2025	Oct	01	(Wed)	05:29	05:51	93	11:51	70S	17:50	267	18:11
2025	Oct	02	(Thu)	05:30	05:51	93	11:50	70S	17:49	266	18:11
2025	Oct	03	(Fri)	05:30	05:52	94	11:50	69S	17:48	266	18:10
2025	Oct	04	(Sat)	05:30	05:52	94	11:50	69S	17:47	266	18:09
2025	Oct	05	(Sun)	05:30	05:52	95	11:49	68S	17:47	265	18:08
2025	Oct	06	(Mon)	05:30	05:52	95	11:49	68S	17:46	265	18:07
2025	Oct	07	(Tue)	05:30	05:52	96	11:49	68S	17:45	264	18:07
2025	Oct	08	(Wed)	05:31	05:52	96	11:48	67S	17:44	264	18:06
2025	Oct	09	(Thu)	05:31	05:53	96	11:48	67S	17:43	264	18:05
2025	Oct	10	(Fri)	05:31	05:53	97	11:48	67S	17:43	263	18:05
2025	Oct	11	(Sat)	05:31	05:53	97	11:48	66S	17:42	263	18:04
2025	Oct	12	(Sun)	05:31	05:53	97	11:47	66S	17:41	262	18:03
2025	Oct	13	(Mon)	05:32	05:53	98	11:47	65S	17:41	262	18:02
2025	Oct	14	(Tue)	05:32	05:54	98	11:47	65S	17:40	262	18:02
2025	Oct	15	(Wed)	05:32	05:54	99	11:47	65S	17:39	261	18:01
2025	Oct	16	(Thu)	05:32	05:54	99	11:46	64S	17:38	261	18:00
2025	Oct	17	(Fri)	05:33	05:54	99	11:46	64S	17:38	260	18:00
2025	Oct	18	(Sat)	05:33	05:55	100	11:46	64S	17:37	260	17:59
2025	Oct	19	(Sun)	05:33	05:55	100	11:46	63S	17:36	260	17:58
2025	Oct	20	(Mon)	05:33	05:55	101	11:46	63S	17:36	259	17:58
2025	Oct	21	(Tue)	05:34	05:56	101	11:46	63S	17:35	259	17:57
2025	Oct	22	(Wed)	05:34	05:56	101	11:45	62S	17:35	258	17:57
2025	Oct	23	(Thu)	05:34	05:56	102	11:45	62S	17:34	258	17:56
2025	Oct	24	(Fri)	05:34	05:57	102	11:45	61S	17:33	258	17:56
2025	Oct	25	(Sat)	05:35	05:57	102	11:45	61S	17:33	257	17:55
2025	Oct	26	(Sun)	05:35	05:57	103	11:45	61S	17:32	257	17:54
2025	Oct	27	(Mon)	05:35	05:58	103	11:45	60S	17:32	257	17:54
2025	Oct	28	(Tue)	05:36	05:58	103	11:45	60S	17:31	256	17:53
2025	Oct	29	(Wed)	05:36	05:58	104	11:45	60S	17:31	256	17:53
2025	Oct	30	(Thu)	05:36	05:59	104	11:45	59S	17:30	256	17:53
2025	Oct	31	(Fri)	05:37	05:59	105	11:45	59S	17:30	255	17:52
2025	Nov	01	(Sat)	05:37	05:59	105	11:44	59S	17:29	255	17:52
2025	Nov	02	(Sun)	05:37	06:00	105	11:44	58S	17:29	255	17:51
2025	Nov	03	(Mon)	05:38	06:00	106	11:44	58S	17:29	254	17:51
2025	Nov	04	(Tue)	05:38	06:01	106	11:44	58S	17:28	254	17:51
2025	Nov	05	(Wed)	05:39	06:01	106	11:44	58S	17:28	254	17:50
2025	Nov	06	(Thu)	05:39	06:01	106	11:45	57S	17:27	253	17:50
2025	Nov	07	(Fri)	05:39	06:02	107	11:45	57S	17:27	253	17:50
2025	Nov	08	(Sat)	05:40	06:02	107	11:45	57S	17:27	253	17:49
2025	Nov	09	(Sun)	05:40	06:03	107	11:45	56S	17:26	252	17:49
2025	Nov	10	(Mon)	05:41	06:03	108	11:45	56S	17:26	252	17:49
2025	Nov	11	(Tue)	05:41	06:04	108	11:45	56S	17:26	252	17:49
2025	Nov	12	(Wed)	05:42	06:04	108	11:45	56S	17:26	252	17:48
2025	Nov	13	(Thu)	05:42	06:05	109	11:45	55S	17:25	251	17:48
2025	Nov	14	(Fri)	05:42	06:05	109	11:45	55S	17:25	251	17:48
2025	Nov	15	(Sat)	05:43	06:06	109	11:45	55S	17:25	251	17:48
2025	Nov	16	(Sun)	05:43	06:06	109	11:46	55S	17:25	250	17:48
2025	Nov	17	(Mon)	05:44	06:07	110	11:46	54S	17:25	250	17:48
2025	Nov	18	(Tue)	05:44	06:07	110	11:46	54S	17:25	250	17:47
2025	Nov	19	(Wed)	05:45	06:08	110	11:46	54S	17:24	250	17:47
2025	Nov	20	(Thu)	05:45	06:08	110	11:46	54S	17:24	249	17:47
2025	Nov	21	(Fri)	05:46	06:09	111	11:47	53S	17:24	249	17:47
2025	Nov	22	(Sat)	05:47	06:10	111	11:47	53S	17:24	249	17:47
2025	Nov	23	(Sun)	05:47	06:10	111	11:47	53S	17:24	249	17:47
2025	Nov	24	(Mon)	05:48	06:11	111	11:48	53S	17:24	249	17:47
2025	Nov	25	(Tue)	05:48	06:11	112	11:48	53S	17:24	248	17:47
2025	Nov	26	(Wed)	05:49	06:12	112	11:48	52S	17:24	248	17:48

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

Moon

Nakhon Phanom
Location: E104°46'51.6", N17°24'32.3", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Rise	Az.	Transit Alt.			Set	Az.		
				h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	07:41	117		13:18	48S		18:58	244	
2025	Jan	02	(Thu)	08:30	113		14:13	52S		19:58	249	
2025	Jan	03	(Fri)	09:15	108		15:04	57S		20:57	255	
2025	Jan	04	(Sat)	09:56	102		15:53	63S		21:55	262	
2025	Jan	05	(Sun)	10:35	95		16:41	70S		22:51	269	
2025	Jan	06	(Mon)	11:13	87		17:28	77S		23:47	276	
2025	Jan	07	(Tue)	11:52	80		18:16	84S				
2025	Jan	08	(Wed)	12:34	74		19:07	90S		00:45	283	
2025	Jan	09	(Thu)	13:19	68		20:01	86N		01:45	290	
2025	Jan	10	(Fri)	14:10	63		20:59	82N		02:47	295	
2025	Jan	11	(Sat)	15:06	61		22:00	80N		03:52	298	
2025	Jan	12	(Sun)	16:06	60		23:02	80N		04:56	300	
2025	Jan	13	(Mon)	17:09	62					05:56	299	
2025	Jan	14	(Tue)	18:10	65		00:01	82N		06:51	297	
2025	Jan	15	(Wed)	19:08	69		00:56	85N		07:39	293	
2025	Jan	16	(Thu)	20:02	75		01:46	90N		08:21	288	
2025	Jan	17	(Fri)	20:53	81		02:32	86S		08:58	282	
2025	Jan	18	(Sat)	21:42	87		03:15	81S		09:32	276	
2025	Jan	19	(Sun)	22:29	93		03:55	75S		10:05	270	
2025	Jan	20	(Mon)	23:15	99		04:34	69S		10:36	264	
2025	Jan	21	(Tue)				05:14	63S		11:09	258	
2025	Jan	22	(Wed)	00:03	105		05:55	58S		11:43	253	
2025	Jan	23	(Thu)	00:53	110		06:38	53S		12:20	248	
2025	Jan	24	(Fri)	01:45	114		07:25	49S		13:02	244	
2025	Jan	25	(Sat)	02:40	118		08:16	46S		13:50	241	

2025	Jan	26	(Sun)	03:37	120	09:10	44S	14:43	240
2025	Jan	27	(Mon)	04:34	120	10:07	44S	15:41	240
2025	Jan	28	(Tue)	05:30	118	11:05	46S	16:43	243
2025	Jan	29	(Wed)	06:22	115	12:02	50S	17:45	247
2025	Jan	30	(Thu)	07:09	110	12:56	55S	18:46	253
2025	Jan	31	(Fri)	07:53	104	13:47	61S	19:46	259
2025	Feb	01	(Sat)	08:34	97	14:36	68S	20:44	267
2025	Feb	02	(Sun)	09:13	90	15:25	75S	21:41	274
2025	Feb	03	(Mon)	09:52	82	16:13	82S	22:39	281
2025	Feb	04	(Tue)	10:33	75	17:04	89S	23:39	288
2025	Feb	05	(Wed)	11:17	69	17:57	87N		
2025	Feb	06	(Thu)	12:06	64	18:53	83N	00:41	294
2025	Feb	07	(Fri)	12:59	61	19:52	80N	01:44	298
2025	Feb	08	(Sat)	13:57	60	20:52	79N	02:47	300
2025	Feb	09	(Sun)	14:58	61	21:51	81N	03:47	300
2025	Feb	10	(Mon)	15:58	63	22:47	83N	04:43	298
2025	Feb	11	(Tue)	16:57	67	23:38	88N	05:32	295
2025	Feb	12	(Wed)	17:52	72			06:16	290
2025	Feb	13	(Thu)	18:44	78	00:26	89S	06:55	285
2025	Feb	14	(Fri)	19:34	84	01:09	83S	07:30	279
2025	Feb	15	(Sat)	20:21	91	01:50	77S	08:03	272
2025	Feb	16	(Sun)	21:08	97	02:30	71S	08:35	266
2025	Feb	17	(Mon)	21:56	103	03:09	65S	09:07	260
2025	Feb	18	(Tue)	22:45	108	03:50	59S	09:40	255
2025	Feb	19	(Wed)	23:35	113	04:32	54S	10:16	250
2025	Feb	20	(Thu)			05:17	50S	10:56	245
2025	Feb	21	(Fri)	00:29	117	06:05	47S	11:40	242
2025	Feb	22	(Sat)	01:24	119	06:57	45S	12:30	240
2025	Feb	23	(Sun)	02:20	120	07:52	44S	13:25	240
2025	Feb	24	(Mon)	03:15	120	08:49	45S	14:24	241
2025	Feb	25	(Tue)	04:08	117	09:46	48S	15:26	245
2025	Feb	26	(Wed)	04:58	113	10:41	52S	16:28	250
2025	Feb	27	(Thu)	05:44	107	11:34	58S	17:29	256
2025	Feb	28	(Fri)	06:26	100	12:25	65S	18:29	263
2025	Mar	01	(Sat)	07:07	93	13:15	72S	19:28	271
2025	Mar	02	(Sun)	07:48	85	14:06	80S	20:28	279
2025	Mar	03	(Mon)	08:29	78	14:57	87S	21:30	286
2025	Mar	04	(Tue)	09:13	71	15:51	89N	22:33	292
2025	Mar	05	(Wed)	10:02	66	16:47	84N	23:37	297
2025	Mar	06	(Thu)	10:55	62	17:47	81N		
2025	Mar	07	(Fri)	11:52	60	18:47	79N	00:41	299
2025	Mar	08	(Sat)	12:52	60	19:46	80N	01:43	300
2025	Mar	09	(Sun)	13:52	62	20:42	82N	02:39	299
2025	Mar	10	(Mon)	14:50	66	21:34	86N	03:30	296
2025	Mar	11	(Tue)	15:46	70	22:22	91S	04:14	292
2025	Mar	12	(Wed)	16:38	76	23:06	85S	04:54	287
2025	Mar	13	(Thu)	17:28	82	23:48	79S	05:30	281
2025	Mar	14	(Fri)	18:16	88			06:03	275
2025	Mar	15	(Sat)	19:03	95	00:27	73S	06:35	269
2025	Mar	16	(Sun)	19:50	101	01:07	67S	07:07	262
2025	Mar	17	(Mon)	20:38	106	01:47	61S	07:40	257
2025	Mar	18	(Tue)	21:28	111	02:28	56S	08:15	251
2025	Mar	19	(Wed)	22:20	115	03:12	52S	08:53	247
2025	Mar	20	(Thu)	23:14	118	03:59	48S	09:35	243
2025	Mar	21	(Fri)			04:49	45S	10:22	241
2025	Mar	22	(Sat)	00:09	120	05:41	44S	11:13	240
2025	Mar	23	(Sun)	01:04	120	06:36	44S	12:10	240
2025	Mar	24	(Mon)	01:57	118	07:32	46S	13:09	243
2025	Mar	25	(Tue)	02:46	115	08:26	50S	14:09	247
2025	Mar	26	(Wed)	03:33	110	09:19	55S	15:09	253
2025	Mar	27	(Thu)	04:16	104	10:10	61S	16:09	259
2025	Mar	28	(Fri)	04:57	97	11:01	68S	17:09	267
2025	Mar	29	(Sat)	05:38	89	11:51	76S	18:09	275
2025	Mar	30	(Sun)	06:20	81	12:43	83S	19:11	282
2025	Mar	31	(Mon)	07:04	74	13:38	90S	20:16	289
2025	Apr	01	(Tue)	07:52	68	14:35	86N	21:22	295
2025	Apr	02	(Wed)	08:45	63	15:36	82N	22:29	299
2025	Apr	03	(Thu)	09:43	60	16:38	79N	23:34	300
2025	Apr	04	(Fri)	10:44	60	17:40	79N		
2025	Apr	05	(Sat)	11:46	61	18:38	81N	00:34	300
2025	Apr	06	(Sun)	12:45	64	19:31	85N	01:27	297
2025	Apr	07	(Mon)	13:42	69	20:20	89N	02:14	293

2025 Apr 08 (Tue)	14:35 74	21:05 87S	02:55 288
2025 Apr 09 (Wed)	15:25 80	21:47 81S	03:31 283
2025 Apr 10 (Thu)	16:13 86	22:27 75S	04:05 277
2025 Apr 11 (Fri)	17:00 92	23:06 69S	04:37 271
2025 Apr 12 (Sat)	17:47 99	23:46 63S	05:09 265
2025 Apr 13 (Sun)	18:34 104		05:41 259
2025 Apr 14 (Mon)	19:24 110	00:26 58S	06:15 253
2025 Apr 15 (Tue)	20:15 114	01:09 53S	06:52 248
2025 Apr 16 (Wed)	21:08 117	01:55 49S	07:33 244
2025 Apr 17 (Thu)	22:03 120	02:44 46S	08:18 241
2025 Apr 18 (Fri)	22:57 120	03:35 44S	09:07 240
2025 Apr 19 (Sat)	23:49 119	04:29 44S	10:01 240
2025 Apr 20 (Sun)		05:23 45S	10:58 242
2025 Apr 21 (Mon)	00:39 117	06:16 48S	11:56 245
2025 Apr 22 (Tue)	01:25 112	07:08 53S	12:55 250
2025 Apr 23 (Wed)	02:08 107	07:58 58S	13:53 256
2025 Apr 24 (Thu)	02:49 100	08:48 65S	14:51 263
2025 Apr 25 (Fri)	03:29 93	09:37 72S	15:49 271
2025 Apr 26 (Sat)	04:09 86	10:27 79S	16:50 278
2025 Apr 27 (Sun)	04:52 78	11:20 87S	17:53 286
2025 Apr 28 (Mon)	05:38 71	12:16 88N	18:59 292
2025 Apr 29 (Tue)	06:30 65	13:17 83N	20:08 297
2025 Apr 30 (Wed)	07:27 62	14:21 80N	21:17 300
2025 May 01 (Thu)	08:29 60	15:26 79N	22:22 300
2025 May 02 (Fri)	09:33 61	16:28 81N	23:20 298
2025 May 03 (Sat)	10:36 63	17:25 83N	
2025 May 04 (Sun)	11:35 67	18:16 88N	00:10 295
2025 May 05 (Mon)	12:30 73	19:03 89S	00:54 290
2025 May 06 (Tue)	13:22 78	19:46 83S	01:32 285
2025 May 07 (Wed)	14:10 84	20:27 77S	02:07 279
2025 May 08 (Thu)	14:57 91	21:06 71S	02:39 273
2025 May 09 (Fri)	15:44 97	21:45 65S	03:11 266
2025 May 10 (Sat)	16:31 103	22:25 60S	03:43 260
2025 May 11 (Sun)	17:20 108	23:08 55S	04:16 255
2025 May 12 (Mon)	18:11 113	23:52 50S	04:52 250
2025 May 13 (Tue)	19:03 116		05:32 246
2025 May 14 (Wed)	19:58 119	00:40 47S	06:16 242
2025 May 15 (Thu)	20:52 120	01:31 45S	07:04 240
2025 May 16 (Fri)	21:45 119	02:25 44S	07:57 240
2025 May 17 (Sat)	22:35 117	03:18 45S	08:53 241
2025 May 18 (Sun)	23:22 114	04:11 47S	09:50 244
2025 May 19 (Mon)		05:03 51S	10:47 248
2025 May 20 (Tue)	00:05 109	05:52 56S	11:43 254
2025 May 21 (Wed)	00:45 103	06:40 62S	12:39 260
2025 May 22 (Thu)	01:24 96	07:27 69S	13:35 267
2025 May 23 (Fri)	02:02 89	08:15 76S	14:33 275
2025 May 24 (Sat)	02:42 81	09:05 83S	15:33 282
2025 May 25 (Sun)	03:26 74	09:59 90S	16:36 289
2025 May 26 (Mon)	04:14 68	10:57 86N	17:44 295
2025 May 27 (Tue)	05:08 63	11:59 82N	18:53 298
2025 May 28 (Wed)	06:09 61	13:05 80N	20:01 300
2025 May 29 (Thu)	07:14 60	14:10 80N	21:04 299
2025 May 30 (Fri)	08:19 62	15:11 82N	22:00 296
2025 May 31 (Sat)	09:22 66	16:07 86N	22:48 292
2025 Jun 01 (Sun)	10:21 71	16:57 90S	23:29 286
2025 Jun 02 (Mon)	11:15 76	17:43 85S	
2025 Jun 03 (Tue)	12:05 82	18:25 79S	00:06 281
2025 Jun 04 (Wed)	12:53 89	19:05 73S	00:40 274
2025 Jun 05 (Thu)	13:40 95	19:44 67S	01:12 268
2025 Jun 06 (Fri)	14:27 101	20:24 61S	01:44 262
2025 Jun 07 (Sat)	15:15 106	21:05 56S	02:17 257
2025 Jun 08 (Sun)	16:06 111	21:49 52S	02:52 251
2025 Jun 09 (Mon)	16:58 115	22:36 48S	03:30 247
2025 Jun 10 (Tue)	17:52 118	23:27 45S	04:13 243
2025 Jun 11 (Wed)	18:47 120		05:00 241
2025 Jun 12 (Thu)	19:41 120	00:20 44S	05:52 240
2025 Jun 13 (Fri)	20:32 118	01:14 45S	06:48 241
2025 Jun 14 (Sat)	21:20 115	02:08 47S	07:45 243
2025 Jun 15 (Sun)	22:04 110	03:00 50S	08:42 247
2025 Jun 16 (Mon)	22:45 105	03:50 55S	09:39 252
2025 Jun 17 (Tue)	23:23 98	04:38 60S	10:34 258
2025 Jun 18 (Wed)		05:24 67S	11:29 265

2025 Jun 19 (Thu)	00:01	91	06:10	74S	12:24	272
2025 Jun 20 (Fri)	00:39	84	06:58	81S	13:21	280
2025 Jun 21 (Sat)	01:19	77	07:48	87S	14:21	286
2025 Jun 22 (Sun)	02:04	71	08:42	88N	15:25	292
2025 Jun 23 (Mon)	02:54	65	09:41	83N	16:32	297
2025 Jun 24 (Tue)	03:51	62	10:44	80N	17:40	299
2025 Jun 25 (Wed)	04:53	60	11:50	80N	18:45	300
2025 Jun 26 (Thu)	05:59	61	12:53	81N	19:45	298
2025 Jun 27 (Fri)	07:04	64	13:53	84N	20:37	294
2025 Jun 28 (Sat)	08:06	68	14:46	89N	21:22	289
2025 Jun 29 (Sun)	09:03	74	15:35	87S	22:02	283
2025 Jun 30 (Mon)	09:56	80	16:19	81S	22:38	277
2025 Jul 01 (Tue)	10:46	86	17:01	75S	23:11	271
2025 Jul 02 (Wed)	11:34	93	17:41	69S	23:43	264
2025 Jul 03 (Thu)	12:22	99	18:21	63S		
2025 Jul 04 (Fri)	13:10	104	19:01	58S	00:16	258
2025 Jul 05 (Sat)	13:59	110	19:45	53S	00:50	253
2025 Jul 06 (Sun)	14:50	114	20:31	49S	01:27	248
2025 Jul 07 (Mon)	15:44	117	21:20	46S	02:08	244
2025 Jul 08 (Tue)	16:39	119	22:12	44S	02:54	242
2025 Jul 09 (Wed)	17:34	120	23:06	44S	03:45	240
2025 Jul 10 (Thu)	18:27	119			04:40	240
2025 Jul 11 (Fri)	19:17	116	00:01	46S	05:37	242
2025 Jul 12 (Sat)	20:02	112	00:55	49S	06:36	246
2025 Jul 13 (Sun)	20:44	106	01:46	53S	07:34	251
2025 Jul 14 (Mon)	21:24	100	02:35	59S	08:30	257
2025 Jul 15 (Tue)	22:01	93	03:22	65S	09:25	263
2025 Jul 16 (Wed)	22:39	86	04:09	72S	10:20	270
2025 Jul 17 (Thu)	23:18	79	04:55	79S	11:16	278
2025 Jul 18 (Fri)	24:00	72	05:43	85S	12:14	285
2025 Jul 19 (Sat)			06:35	90N	13:15	291
2025 Jul 20 (Sun)	00:47	67	07:31	85N	14:19	296
2025 Jul 21 (Mon)	01:39	63	08:31	81N	15:25	299
2025 Jul 22 (Tue)	02:38	60	09:34	80N	16:30	300
2025 Jul 23 (Wed)	03:42	60	10:37	80N	17:31	299
2025 Jul 24 (Thu)	04:47	62	11:38	82N	18:26	296
2025 Jul 25 (Fri)	05:50	66	12:34	87N	19:14	291
2025 Jul 26 (Sat)	06:49	71	13:25	90S	19:56	286
2025 Jul 27 (Sun)	07:45	77	14:11	84S	20:34	279
2025 Jul 28 (Mon)	08:36	84	14:54	78S	21:08	273
2025 Jul 29 (Tue)	09:26	90	15:35	71S	21:41	267
2025 Jul 30 (Wed)	10:14	96	16:16	65S	22:14	261
2025 Jul 31 (Thu)	11:02	102	16:57	60S	22:48	255
2025 Aug 01 (Fri)	11:51	108	17:39	55S	23:24	250
2025 Aug 02 (Sat)	12:42	113	18:24	50S		
2025 Aug 03 (Sun)	13:34	116	19:12	47S	00:03	246
2025 Aug 04 (Mon)	14:29	119	20:02	45S	00:47	242
2025 Aug 05 (Tue)	15:24	120	20:56	44S	01:35	240
2025 Aug 06 (Wed)	16:18	120	21:51	45S	02:28	240
2025 Aug 07 (Thu)	17:09	117	22:45	47S	03:25	241
2025 Aug 08 (Fri)	17:57	114	23:38	51S	04:24	244
2025 Aug 09 (Sat)	18:41	108			05:23	249
2025 Aug 10 (Sun)	19:22	102	00:29	57S	06:21	254
2025 Aug 11 (Mon)	20:01	95	01:18	63S	07:18	261
2025 Aug 12 (Tue)	20:39	88	02:05	70S	08:14	268
2025 Aug 13 (Wed)	21:18	81	02:53	77S	09:11	276
2025 Aug 14 (Thu)	21:59	74	03:41	84S	10:09	283
2025 Aug 15 (Fri)	22:44	68	04:32	90S	11:09	289
2025 Aug 16 (Sat)	23:35	64	05:26	86N	12:11	294
2025 Aug 17 (Sun)			06:24	82N	13:16	298
2025 Aug 18 (Mon)	00:31	61	07:25	80N	14:21	300
2025 Aug 19 (Tue)	01:31	60	08:27	79N	15:22	300
2025 Aug 20 (Wed)	02:34	61	09:27	81N	16:18	297
2025 Aug 21 (Thu)	03:37	64	10:24	85N	17:07	293
2025 Aug 22 (Fri)	04:37	69	11:16	89N	17:51	288
2025 Aug 23 (Sat)	05:34	75	12:04	86S	18:30	282
2025 Aug 24 (Sun)	06:27	81	12:48	80S	19:06	276
2025 Aug 25 (Mon)	07:17	87	13:30	74S	19:39	269
2025 Aug 26 (Tue)	08:06	94	14:11	68S	20:12	263
2025 Aug 27 (Wed)	08:54	100	14:52	62S	20:46	257
2025 Aug 28 (Thu)	09:43	106	15:33	57S	21:21	252
2025 Aug 29 (Fri)	10:33	111	16:17	52S	21:58	247

2025 Aug 30 (Sat)	11:25 115	17:04 48S	22:40 243
2025 Aug 31 (Sun)	12:18 118	17:53 45S	23:26 241
2025 Sep 01 (Mon)	13:13 120	18:45 44S	
2025 Sep 02 (Tue)	14:06 120	19:39 44S	00:17 240
2025 Sep 03 (Wed)	14:58 119	20:33 46S	01:12 240
2025 Sep 04 (Thu)	15:47 116	21:26 49S	02:09 243
2025 Sep 05 (Fri)	16:33 111	22:18 54S	03:08 246
2025 Sep 06 (Sat)	17:16 105	23:08 60S	04:07 252
2025 Sep 07 (Sun)	17:56 98	23:57 67S	05:05 258
2025 Sep 08 (Mon)	18:35 91		06:02 265
2025 Sep 09 (Tue)	19:15 84	00:45 74S	07:00 273
2025 Sep 10 (Wed)	19:56 77	01:34 81S	07:59 280
2025 Sep 11 (Thu)	20:41 70	02:26 88S	09:00 287
2025 Sep 12 (Fri)	21:31 65	03:20 88N	10:04 293
2025 Sep 13 (Sat)	22:26 61	04:18 83N	11:09 297
2025 Sep 14 (Sun)	23:25 60	05:19 80N	12:14 300
2025 Sep 15 (Mon)		06:21 79N	13:17 300
2025 Sep 16 (Tue)	00:28 61	07:22 80N	14:14 298
2025 Sep 17 (Wed)	01:30 63	08:19 83N	15:04 295
2025 Sep 18 (Thu)	02:30 67	09:11 88N	15:49 290
2025 Sep 19 (Fri)	03:26 73	10:00 88S	16:29 284
2025 Sep 20 (Sat)	04:20 79	10:44 83S	17:05 278
2025 Sep 21 (Sun)	05:10 85	11:27 76S	17:39 272
2025 Sep 22 (Mon)	05:59 91	12:07 70S	18:12 265
2025 Sep 23 (Tue)	06:48 98	12:48 64S	18:45 259
2025 Sep 24 (Wed)	07:36 104	13:29 59S	19:19 254
2025 Sep 25 (Thu)	08:26 109	14:12 54S	19:56 249
2025 Sep 26 (Fri)	09:17 114	14:58 50S	20:36 245
2025 Sep 27 (Sat)	10:10 117	15:46 46S	21:20 242
2025 Sep 28 (Sun)	11:03 119	16:36 45S	22:08 240
2025 Sep 29 (Mon)	11:57 120	17:28 44S	23:01 240
2025 Sep 30 (Tue)	12:48 119	18:21 45S	23:56 241
2025 Oct 01 (Wed)	13:38 117	19:14 48S	
2025 Oct 02 (Thu)	14:24 113	20:06 52S	00:53 244
2025 Oct 03 (Fri)	15:07 108	20:55 57S	01:50 249
2025 Oct 04 (Sat)	15:48 102	21:44 63S	02:48 255
2025 Oct 05 (Sun)	16:27 95	22:33 70S	03:45 261
2025 Oct 06 (Mon)	17:07 87	23:22 77S	04:43 269
2025 Oct 07 (Tue)	17:48 80		05:42 276
2025 Oct 08 (Wed)	18:33 73	00:13 85S	06:43 284
2025 Oct 09 (Thu)	19:22 67	01:08 90N	07:48 290
2025 Oct 10 (Fri)	20:17 63	02:07 85N	08:55 296
2025 Oct 11 (Sat)	21:17 60	03:09 81N	10:03 299
2025 Oct 12 (Sun)	22:20 60	04:13 79N	11:09 300
2025 Oct 13 (Mon)	23:24 62	05:15 80N	12:09 299
2025 Oct 14 (Tue)		06:15 82N	13:02 296
2025 Oct 15 (Wed)	00:25 66	07:09 86N	13:49 291
2025 Oct 16 (Thu)	01:22 71	07:58 90S	14:29 286
2025 Oct 17 (Fri)	02:16 77	08:43 84S	15:06 280
2025 Oct 18 (Sat)	03:07 83	09:25 78S	15:40 274
2025 Oct 19 (Sun)	03:56 89	10:06 72S	16:13 268
2025 Oct 20 (Mon)	04:43 96	10:46 66S	16:46 261
2025 Oct 21 (Tue)	05:32 102	11:27 61S	17:19 256
2025 Oct 22 (Wed)	06:21 107	12:09 55S	17:55 251
2025 Oct 23 (Thu)	07:11 112	12:54 51S	18:34 246
2025 Oct 24 (Fri)	08:03 116	13:41 47S	19:16 243
2025 Oct 25 (Sat)	08:56 119	14:30 45S	20:03 241
2025 Oct 26 (Sun)	09:50 120	15:22 44S	20:54 240
2025 Oct 27 (Mon)	10:41 120	16:14 45S	21:47 241
2025 Oct 28 (Tue)	11:31 118	17:06 47S	22:42 243
2025 Oct 29 (Wed)	12:17 115	17:56 50S	23:38 247
2025 Oct 30 (Thu)	13:00 110	18:45 54S	
2025 Oct 31 (Fri)	13:40 105	19:33 60S	00:34 252
2025 Nov 01 (Sat)	14:19 98	20:20 67S	01:29 258
2025 Nov 02 (Sun)	14:58 91	21:07 74S	02:25 265
2025 Nov 03 (Mon)	15:37 84	21:57 81S	03:22 272
2025 Nov 04 (Tue)	16:20 77	22:50 88S	04:22 280
2025 Nov 05 (Wed)	17:07 70	23:47 87N	05:25 287
2025 Nov 06 (Thu)	18:01 65		06:32 293
2025 Nov 07 (Fri)	19:00 61	00:50 83N	07:42 298
2025 Nov 08 (Sat)	20:05 60	01:55 80N	08:52 300
2025 Nov 09 (Sun)	21:11 61	03:02 80N	09:57 299

2025 Nov 10 (Mon)	22:16 65	04:05 81N	10:55 297
2025 Nov 11 (Tue)	23:16 69	05:02 85N	11:45 293
2025 Nov 12 (Wed)		05:54 90N	12:29 288
2025 Nov 13 (Thu)	00:12 75	06:42 86S	13:07 282
2025 Nov 14 (Fri)	01:04 81	07:25 80S	13:42 276
2025 Nov 15 (Sat)	01:53 87	08:06 74S	14:15 269
2025 Nov 16 (Sun)	02:41 94	08:46 68S	14:47 263
2025 Nov 17 (Mon)	03:29 100	09:26 62S	15:21 257
2025 Nov 18 (Tue)	04:17 105	10:08 57S	15:56 252
2025 Nov 19 (Wed)	05:07 110	10:51 52S	16:33 248
2025 Nov 20 (Thu)	05:58 115	11:38 49S	17:15 244
2025 Nov 21 (Fri)	06:51 118	12:27 46S	18:00 241
2025 Nov 22 (Sat)	07:45 119	13:18 45S	18:50 240
2025 Nov 23 (Sun)	08:37 120	14:10 45S	19:43 241
2025 Nov 24 (Mon)	09:27 119	15:01 46S	20:37 243
2025 Nov 25 (Tue)	10:14 116	15:52 49S	21:32 246
2025 Nov 26 (Wed)	10:57 112	16:40 53S	22:26 250
2025 Nov 27 (Thu)	11:37 107	17:27 58S	23:20 256
2025 Nov 28 (Fri)	12:15 101	18:12 64S	
2025 Nov 29 (Sat)	12:52 94	18:58 71S	00:13 262
2025 Nov 30 (Sun)	13:29 87	19:44 78S	01:08 269
2025 Dec 01 (Mon)	14:09 80	20:34 84S	02:04 276
2025 Dec 02 (Tue)	14:53 73	21:27 90N	03:03 284
2025 Dec 03 (Wed)	15:42 67	22:26 85N	04:07 290
2025 Dec 04 (Thu)	16:38 63	23:31 81N	05:15 295
2025 Dec 05 (Fri)	17:42 61		06:26 299
2025 Dec 06 (Sat)	18:49 61	00:38 80N	07:35 300
2025 Dec 07 (Sun)	19:57 63	01:45 80N	08:39 298
2025 Dec 08 (Mon)	21:02 67	02:48 83N	09:34 295
2025 Dec 09 (Tue)	22:02 73	03:44 88N	10:22 290
2025 Dec 10 (Wed)	22:57 79	04:35 88S	11:04 284
2025 Dec 11 (Thu)	23:48 85	05:21 82S	11:41 278
2025 Dec 12 (Fri)		06:04 76S	12:15 271
2025 Dec 13 (Sat)	00:37 92	06:45 70S	12:48 265
2025 Dec 14 (Sun)	01:25 98	07:25 64S	13:21 259
2025 Dec 15 (Mon)	02:13 104	08:06 58S	13:56 254
2025 Dec 16 (Tue)	03:03 109	08:49 54S	14:33 249
2025 Dec 17 (Wed)	03:54 113	09:34 50S	15:13 245
2025 Dec 18 (Thu)	04:46 117	10:22 47S	15:57 242
2025 Dec 19 (Fri)	05:40 119	11:13 45S	16:46 240
2025 Dec 20 (Sat)	06:33 120	12:05 44S	17:38 240
2025 Dec 21 (Sun)	07:24 119	12:58 46S	18:32 242
2025 Dec 22 (Mon)	08:12 117	13:49 48S	19:28 245
2025 Dec 23 (Tue)	08:56 113	14:38 52S	20:22 249
2025 Dec 24 (Wed)	09:37 108	15:25 57S	21:16 254
2025 Dec 25 (Thu)	10:15 103	16:10 62S	22:09 260
2025 Dec 26 (Fri)	10:51 96	16:54 69S	23:01 267
2025 Dec 27 (Sat)	11:27 89	17:39 75S	23:55 274
2025 Dec 28 (Sun)	12:05 83	18:25 82S	
2025 Dec 29 (Mon)	12:45 76	19:15 88S	00:50 281
2025 Dec 30 (Tue)	13:30 70	20:09 87N	01:50 287
2025 Dec 31 (Wed)	14:21 65	21:09 83N	02:53 293