

Sun

Kamphaeng Phet
 Location: E 99°31'40.8", N16°28'22.7", 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)	06:00	06:50	114	12:25 51S	18:01 246		18:51
2025	Jan	02 (Thu)	06:00	06:51	114	12:26 51S	18:01 246		18:51
2025	Jan	03 (Fri)	06:01	06:51	114	12:26 51S	18:02 246		18:52
2025	Jan	04 (Sat)	06:01	06:51	113	12:27 52S	18:02 247		18:53
2025	Jan	05 (Sun)	06:02	06:52	113	12:27 52S	18:03 247		18:53
2025	Jan	06 (Mon)	06:02	06:52	113	12:28 52S	18:04 247		18:54
2025	Jan	07 (Tue)	06:02	06:52	113	12:28 52S	18:04 247		18:54
2025	Jan	08 (Wed)	06:02	06:52	113	12:29 52S	18:05 247		18:55
2025	Jan	09 (Thu)	06:03	06:53	113	12:29 52S	18:05 247		18:55
2025	Jan	10 (Fri)	06:03	06:53	113	12:29 52S	18:06 247		18:56
2025	Jan	11 (Sat)	06:03	06:53	113	12:30 52S	18:07 248		18:56
2025	Jan	12 (Sun)	06:03	06:53	112	12:30 53S	18:07 248		18:57
2025	Jan	13 (Mon)	06:04	06:53	112	12:31 53S	18:08 248		18:58
2025	Jan	14 (Tue)	06:04	06:54	112	12:31 53S	18:08 248		18:58
2025	Jan	15 (Wed)	06:04	06:54	112	12:31 53S	18:09 248		18:59
2025	Jan	16 (Thu)	06:04	06:54	112	12:32 53S	18:10 248		18:59
2025	Jan	17 (Fri)	06:04	06:54	111	12:32 54S	18:10 249		19:00
2025	Jan	18 (Sat)	06:04	06:54	111	12:32 54S	18:11 249		19:00
2025	Jan	19 (Sun)	06:05	06:54	111	12:33 54S	18:11 249		19:01
2025	Jan	20 (Mon)	06:05	06:54	111	12:33 54S	18:12 249		19:01
2025	Jan	21 (Tue)	06:05	06:54	111	12:33 54S	18:13 250		19:02
2025	Jan	22 (Wed)	06:05	06:54	110	12:33 55S	18:13 250		19:02
2025	Jan	23 (Thu)	06:05	06:54	110	12:34 55S	18:14 250		19:03
2025	Jan	24 (Fri)	06:05	06:54	110	12:34 55S	18:14 250		19:03
2025	Jan	25 (Sat)	06:05	06:54	110	12:34 55S	18:15 251		19:04
2025	Jan	26 (Sun)	06:05	06:54	109	12:34 56S	18:15 251		19:04
2025	Jan	27 (Mon)	06:05	06:54	109	12:35 56S	18:16 251		19:05
2025	Jan	28 (Tue)	06:05	06:53	109	12:35 56S	18:16 251		19:05
2025	Jan	29 (Wed)	06:05	06:53	108	12:35 56S	18:17 252		19:06
2025	Jan	30 (Thu)	06:04	06:53	108	12:35 57S	18:17 252		19:06
2025	Jan	31 (Fri)	06:04	06:53	108	12:35 57S	18:18 252		19:06
2025	Feb	01 (Sat)	06:04	06:53	108	12:35 57S	18:18 253		19:07
2025	Feb	02 (Sun)	06:04	06:52	107	12:36 57S	18:19 253		19:07
2025	Feb	03 (Mon)	06:04	06:52	107	12:36 58S	18:19 253		19:08
2025	Feb	04 (Tue)	06:04	06:52	107	12:36 58S	18:20 253		19:08
2025	Feb	05 (Wed)	06:03	06:52	106	12:36 58S	18:20 254		19:08
2025	Feb	06 (Thu)	06:03	06:51	106	12:36 59S	18:21 254		19:09
2025	Feb	07 (Fri)	06:03	06:51	106	12:36 59S	18:21 254		19:09
2025	Feb	08 (Sat)	06:03	06:51	105	12:36 59S	18:22 255		19:10
2025	Feb	09 (Sun)	06:02	06:50	105	12:36 60S	18:22 255		19:10
2025	Feb	10 (Mon)	06:02	06:50	105	12:36 60S	18:23 255		19:10
2025	Feb	11 (Tue)	06:02	06:49	104	12:36 60S	18:23 256		19:11
2025	Feb	12 (Wed)	06:01	06:49	104	12:36 61S	18:23 256		19:11
2025	Feb	13 (Thu)	06:01	06:49	104	12:36 61S	18:24 256		19:11
2025	Feb	14 (Fri)	06:01	06:48	103	12:36 61S	18:24 257		19:12
2025	Feb	15 (Sat)	06:00	06:48	103	12:36 62S	18:24 257		19:12
2025	Feb	16 (Sun)	06:00	06:47	103	12:36 62S	18:25 258		19:12
2025	Feb	17 (Mon)	05:59	06:47	102	12:36 62S	18:25 258		19:13
2025	Feb	18 (Tue)	05:59	06:46	102	12:36 63S	18:26 258		19:13
2025	Feb	19 (Wed)	05:58	06:46	102	12:36 63S	18:26 259		19:13
2025	Feb	20 (Thu)	05:58	06:45	101	12:36 63S	18:26 259		19:13
2025	Feb	21 (Fri)	05:57	06:45	101	12:35 64S	18:27 259		19:14
2025	Feb	22 (Sat)	05:57	06:44	100	12:35 64S	18:27 260		19:14
2025	Feb	23 (Sun)	05:56	06:43	100	12:35 65S	18:27 260		19:14
2025	Feb	24 (Mon)	05:56	06:43	100	12:35 65S	18:27 261		19:14
2025	Feb	25 (Tue)	05:55	06:42	99	12:35 65S	18:28 261		19:15
2025	Feb	26 (Wed)	05:55	06:42	99	12:35 66S	18:28 261		19:15
2025	Feb	27 (Thu)	05:54	06:41	98	12:35 66S	18:28 262		19:15
2025	Feb	28 (Fri)	05:54	06:40	98	12:34 66S	18:29 262		19:15
2025	Mar	01 (Sat)	05:53	06:40	98	12:34 67S	18:29 263		19:16

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

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

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

2025	Oct	04	(Sat)	05:26	06:12	94	12:11	70S	18:09	266	18:55
2025	Oct	05	(Sun)	05:26	06:13	95	12:10	69S	18:08	265	18:55
2025	Oct	06	(Mon)	05:26	06:13	95	12:10	69S	18:07	265	18:54
2025	Oct	07	(Tue)	05:26	06:13	95	12:10	69S	18:06	264	18:53
2025	Oct	08	(Wed)	05:26	06:13	96	12:09	68S	18:06	264	18:52
2025	Oct	09	(Thu)	05:26	06:13	96	12:09	68S	18:05	264	18:52
2025	Oct	10	(Fri)	05:27	06:13	97	12:09	67S	18:04	263	18:51
2025	Oct	11	(Sat)	05:27	06:14	97	12:09	67S	18:03	263	18:50
2025	Oct	12	(Sun)	05:27	06:14	97	12:08	67S	18:03	262	18:50
2025	Oct	13	(Mon)	05:27	06:14	98	12:08	66S	18:02	262	18:49
2025	Oct	14	(Tue)	05:27	06:14	98	12:08	66S	18:01	262	18:48
2025	Oct	15	(Wed)	05:27	06:14	99	12:08	66S	18:01	261	18:48
2025	Oct	16	(Thu)	05:28	06:15	99	12:07	65S	18:00	261	18:47
2025	Oct	17	(Fri)	05:28	06:15	99	12:07	65S	17:59	260	18:46
2025	Oct	18	(Sat)	05:28	06:15	100	12:07	65S	17:59	260	18:46
2025	Oct	19	(Sun)	05:28	06:15	100	12:07	64S	17:58	260	18:45
2025	Oct	20	(Mon)	05:28	06:16	101	12:07	64S	17:58	259	18:45
2025	Oct	21	(Tue)	05:29	06:16	101	12:07	63S	17:57	259	18:44
2025	Oct	22	(Wed)	05:29	06:16	101	12:06	63S	17:56	259	18:44
2025	Oct	23	(Thu)	05:29	06:16	102	12:06	63S	17:56	258	18:43
2025	Oct	24	(Fri)	05:29	06:17	102	12:06	62S	17:55	258	18:43
2025	Oct	25	(Sat)	05:30	06:17	102	12:06	62S	17:55	257	18:42
2025	Oct	26	(Sun)	05:30	06:17	103	12:06	62S	17:54	257	18:42
2025	Oct	27	(Mon)	05:30	06:18	103	12:06	61S	17:54	257	18:41
2025	Oct	28	(Tue)	05:30	06:18	103	12:06	61S	17:53	256	18:41
2025	Oct	29	(Wed)	05:31	06:18	104	12:06	61S	17:53	256	18:40
2025	Oct	30	(Thu)	05:31	06:19	104	12:06	60S	17:52	256	18:40
2025	Oct	31	(Fri)	05:31	06:19	104	12:06	60S	17:52	255	18:40
2025	Nov	01	(Sat)	05:32	06:19	105	12:05	60S	17:51	255	18:39
2025	Nov	02	(Sun)	05:32	06:20	105	12:05	59S	17:51	255	18:39
2025	Nov	03	(Mon)	05:32	06:20	105	12:05	59S	17:51	254	18:39
2025	Nov	04	(Tue)	05:32	06:21	106	12:05	59S	17:50	254	18:38
2025	Nov	05	(Wed)	05:33	06:21	106	12:05	58S	17:50	254	18:38
2025	Nov	06	(Thu)	05:33	06:21	106	12:06	58S	17:50	253	18:38
2025	Nov	07	(Fri)	05:33	06:22	107	12:06	58S	17:49	253	18:38
2025	Nov	08	(Sat)	05:34	06:22	107	12:06	58S	17:49	253	18:37
2025	Nov	09	(Sun)	05:34	06:23	107	12:06	57S	17:49	253	18:37
2025	Nov	10	(Mon)	05:35	06:23	108	12:06	57S	17:48	252	18:37
2025	Nov	11	(Tue)	05:35	06:24	108	12:06	57S	17:48	252	18:37
2025	Nov	12	(Wed)	05:35	06:24	108	12:06	56S	17:48	252	18:37
2025	Nov	13	(Thu)	05:36	06:24	109	12:06	56S	17:48	251	18:36
2025	Nov	14	(Fri)	05:36	06:25	109	12:06	56S	17:48	251	18:36
2025	Nov	15	(Sat)	05:37	06:25	109	12:06	56S	17:47	251	18:36
2025	Nov	16	(Sun)	05:37	06:26	109	12:07	55S	17:47	251	18:36
2025	Nov	17	(Mon)	05:37	06:26	110	12:07	55S	17:47	250	18:36
2025	Nov	18	(Tue)	05:38	06:27	110	12:07	55S	17:47	250	18:36
2025	Nov	19	(Wed)	05:38	06:27	110	12:07	55S	17:47	250	18:36
2025	Nov	20	(Thu)	05:39	06:28	110	12:07	54S	17:47	250	18:36
2025	Nov	21	(Fri)	05:39	06:29	111	12:08	54S	17:47	249	18:36
2025	Nov	22	(Sat)	05:40	06:29	111	12:08	54S	17:47	249	18:36
2025	Nov	23	(Sun)	05:40	06:30	111	12:08	54S	17:47	249	18:36
2025	Nov	24	(Mon)	05:41	06:30	111	12:09	54S	17:47	249	18:36
2025	Nov	25	(Tue)	05:41	06:31	111	12:09	53S	17:47	248	18:36
2025	Nov	26	(Wed)	05:42	06:31	112	12:09	53S	17:47	248	18:36
2025	Nov	27	(Thu)	05:42	06:32	112	12:09	53S	17:47	248	18:37
2025	Nov	28	(Fri)	05:43	06:32	112	12:10	53S	17:47	248	18:37
2025	Nov	29	(Sat)	05:43	06:33	112	12:10	53S	17:47	248	18:37
2025	Nov	30	(Sun)	05:44	06:34	112	12:11	53S	17:47	248	18:37
2025	Dec	01	(Mon)	05:44	06:34	113	12:11	52S	17:47	247	18:37
2025	Dec	02	(Tue)	05:45	06:35	113	12:11	52S	17:48	247	18:38
2025	Dec	03	(Wed)	05:45	06:35	113	12:12	52S	17:48	247	18:38
2025	Dec	04	(Thu)	05:46	06:36	113	12:12	52S	17:48	247	18:38
2025	Dec	05	(Fri)	05:46	06:37	113	12:12	52S	17:48	247	18:38
2025	Dec	06	(Sat)	05:47	06:37	113	12:13	52S	17:49	247	18:39
2025	Dec	07	(Sun)	05:48	06:38	113	12:13	52S	17:49	247	18:39
2025	Dec	08	(Mon)	05:48	06:38	113	12:14	51S	17:49	246	18:39
2025	Dec	09	(Tue)	05:49	06:39	114	12:14	51S	17:49	246	18:40
2025	Dec	10	(Wed)	05:49	06:39	114	12:15	51S	17:50	246	18:40
2025	Dec	11	(Thu)	05:50	06:40	114	12:15	51S	17:50	246	18:40
2025	Dec	12	(Fri)	05:50	06:41	114	12:16	51S	17:50	246	18:41
2025	Dec	13	(Sat)	05:51	06:41	114	12:16	51S	17:51	246	18:41
2025	Dec	14	(Sun)	05:51	06:42	114	12:17	51S	17:51	246	18:42

2025	Dec	15	(Mon)	05:52	06:42	114	12:17	51S	17:52	246	18:42
2025	Dec	16	(Tue)	05:52	06:43	114	12:17	51S	17:52	246	18:43
2025	Dec	17	(Wed)	05:53	06:43	114	12:18	51S	17:53	246	18:43
2025	Dec	18	(Thu)	05:53	06:44	114	12:18	51S	17:53	246	18:43
2025	Dec	19	(Fri)	05:54	06:44	114	12:19	51S	17:53	246	18:44
2025	Dec	20	(Sat)	05:54	06:45	114	12:19	51S	17:54	246	18:44
2025	Dec	21	(Sun)	05:55	06:45	114	12:20	51S	17:54	246	18:45
2025	Dec	22	(Mon)	05:55	06:46	114	12:20	51S	17:55	246	18:45
2025	Dec	23	(Tue)	05:56	06:46	114	12:21	51S	17:55	246	18:46
2025	Dec	24	(Wed)	05:56	06:47	114	12:21	51S	17:56	246	18:46
2025	Dec	25	(Thu)	05:57	06:47	114	12:22	51S	17:56	246	18:47
2025	Dec	26	(Fri)	05:57	06:48	114	12:22	51S	17:57	246	18:47
2025	Dec	27	(Sat)	05:58	06:48	114	12:23	51S	17:58	246	18:48
2025	Dec	28	(Sun)	05:58	06:49	114	12:23	51S	17:58	246	18:49
2025	Dec	29	(Mon)	05:59	06:49	114	12:24	51S	17:59	246	18:49
2025	Dec	30	(Tue)	05:59	06:50	114	12:24	51S	17:59	246	18:50
2025	Dec	31	(Wed)	06:00	06:50	114	12:25	51S	18:00	246	18:50

Sun

Kamphaeng Phet

Location: E 99°31'40.8", N16°28'22.7", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

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

2025	Apr	25	(Fri)	05:38	06:00	76	12:20	88S	18:39	284	19:02
2025	Apr	26	(Sat)	05:38	06:00	76	12:20	88S	18:40	285	19:02
2025	Apr	27	(Sun)	05:37	05:59	75	12:20	88S	18:40	285	19:02
2025	Apr	28	(Mon)	05:36	05:59	75	12:19	88S	18:40	285	19:03
2025	Apr	29	(Tue)	05:36	05:58	75	12:19	89S	18:40	286	19:03
2025	Apr	30	(Wed)	05:35	05:58	74	12:19	89S	18:41	286	19:03
2025	May	01	(Thu)	05:35	05:57	74	12:19	89S	18:41	286	19:04
2025	May	02	(Fri)	05:34	05:57	74	12:19	90S	18:41	286	19:04
2025	May	03	(Sat)	05:34	05:56	73	12:19	90S	18:42	287	19:04
2025	May	04	(Sun)	05:33	05:56	73	12:19	90S	18:42	287	19:05
2025	May	05	(Mon)	05:33	05:55	73	12:19	91S	18:42	287	19:05
2025	May	06	(Tue)	05:32	05:55	72	12:19	91N	18:42	288	19:05
2025	May	07	(Wed)	05:32	05:54	72	12:18	90N	18:43	288	19:06
2025	May	08	(Thu)	05:31	05:54	72	12:18	90N	18:43	288	19:06
2025	May	09	(Fri)	05:31	05:54	72	12:18	90N	18:43	289	19:06
2025	May	10	(Sat)	05:30	05:53	71	12:18	89N	18:44	289	19:07
2025	May	11	(Sun)	05:30	05:53	71	12:18	89N	18:44	289	19:07
2025	May	12	(Mon)	05:29	05:52	71	12:18	89N	18:44	289	19:07
2025	May	13	(Tue)	05:29	05:52	71	12:18	89N	18:45	290	19:08
2025	May	14	(Wed)	05:29	05:52	70	12:18	88N	18:45	290	19:08
2025	May	15	(Thu)	05:28	05:51	70	12:18	88N	18:45	290	19:08
2025	May	16	(Fri)	05:28	05:51	70	12:18	88N	18:46	290	19:09
2025	May	17	(Sat)	05:28	05:51	70	12:18	88N	18:46	291	19:09
2025	May	18	(Sun)	05:27	05:51	69	12:18	88N	18:46	291	19:09
2025	May	19	(Mon)	05:27	05:50	69	12:18	87N	18:47	291	19:10
2025	May	20	(Tue)	05:27	05:50	69	12:18	87N	18:47	291	19:10
2025	May	21	(Wed)	05:26	05:50	69	12:18	87N	18:47	291	19:11
2025	May	22	(Thu)	05:26	05:50	68	12:19	87N	18:48	292	19:11
2025	May	23	(Fri)	05:26	05:49	68	12:19	87N	18:48	292	19:11
2025	May	24	(Sat)	05:26	05:49	68	12:19	86N	18:48	292	19:12
2025	May	25	(Sun)	05:26	05:49	68	12:19	86N	18:49	292	19:12
2025	May	26	(Mon)	05:25	05:49	68	12:19	86N	18:49	292	19:13
2025	May	27	(Tue)	05:25	05:49	67	12:19	86N	18:49	293	19:13
2025	May	28	(Wed)	05:25	05:49	67	12:19	86N	18:50	293	19:13
2025	May	29	(Thu)	05:25	05:49	67	12:19	86N	18:50	293	19:14
2025	May	30	(Fri)	05:25	05:49	67	12:19	85N	18:50	293	19:14
2025	May	31	(Sat)	05:25	05:48	67	12:20	85N	18:51	293	19:14
2025	Jun	01	(Sun)	05:25	05:48	67	12:20	85N	18:51	293	19:15
2025	Jun	02	(Mon)	05:25	05:48	67	12:20	85N	18:52	294	19:15
2025	Jun	03	(Tue)	05:25	05:48	66	12:20	85N	18:52	294	19:16
2025	Jun	04	(Wed)	05:25	05:48	66	12:20	85N	18:52	294	19:16
2025	Jun	05	(Thu)	05:25	05:48	66	12:20	85N	18:53	294	19:16
2025	Jun	06	(Fri)	05:25	05:48	66	12:21	85N	18:53	294	19:17
2025	Jun	07	(Sat)	05:25	05:48	66	12:21	84N	18:53	294	19:17
2025	Jun	08	(Sun)	05:25	05:49	66	12:21	84N	18:53	294	19:17
2025	Jun	09	(Mon)	05:25	05:49	66	12:21	84N	18:54	294	19:18
2025	Jun	10	(Tue)	05:25	05:49	66	12:21	84N	18:54	294	19:18
2025	Jun	11	(Wed)	05:25	05:49	66	12:22	84N	18:54	294	19:18
2025	Jun	12	(Thu)	05:25	05:49	66	12:22	84N	18:55	295	19:19
2025	Jun	13	(Fri)	05:25	05:49	65	12:22	84N	18:55	295	19:19
2025	Jun	14	(Sat)	05:25	05:49	65	12:22	84N	18:55	295	19:19
2025	Jun	15	(Sun)	05:25	05:49	65	12:22	84N	18:56	295	19:19
2025	Jun	16	(Mon)	05:26	05:49	65	12:23	84N	18:56	295	19:20
2025	Jun	17	(Tue)	05:26	05:50	65	12:23	84N	18:56	295	19:20
2025	Jun	18	(Wed)	05:26	05:50	65	12:23	84N	18:56	295	19:20
2025	Jun	19	(Thu)	05:26	05:50	65	12:23	84N	18:57	295	19:20
2025	Jun	20	(Fri)	05:26	05:50	65	12:23	84N	18:57	295	19:21
2025	Jun	21	(Sat)	05:26	05:50	65	12:24	84N	18:57	295	19:21
2025	Jun	22	(Sun)	05:27	05:51	65	12:24	84N	18:57	295	19:21
2025	Jun	23	(Mon)	05:27	05:51	65	12:24	84N	18:57	295	19:21
2025	Jun	24	(Tue)	05:27	05:51	65	12:24	84N	18:58	295	19:22
2025	Jun	25	(Wed)	05:27	05:51	65	12:25	84N	18:58	295	19:22
2025	Jun	26	(Thu)	05:28	05:52	65	12:25	84N	18:58	295	19:22
2025	Jun	27	(Fri)	05:28	05:52	65	12:25	84N	18:58	295	19:22
2025	Jun	28	(Sat)	05:28	05:52	65	12:25	84N	18:58	295	19:22
2025	Jun	29	(Sun)	05:28	05:52	65	12:25	84N	18:58	295	19:22
2025	Jun	30	(Mon)	05:29	05:53	66	12:26	84N	18:58	294	19:22
2025	Jul	01	(Tue)	05:29	05:53	66	12:26	84N	18:59	294	19:22
2025	Jul	02	(Wed)	05:29	05:53	66	12:26	84N	18:59	294	19:22
2025	Jul	03	(Thu)	05:30	05:54	66	12:26	84N	18:59	294	19:23
2025	Jul	04	(Fri)	05:30	05:54	66	12:26	84N	18:59	294	19:23
2025	Jul	05	(Sat)	05:30	05:54	66	12:27	84N	18:59	294	19:23

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

2025	Sep	16	(Tue)	05:49	06:10	87	12:17	77S	18:23	273	18:45
2025	Sep	17	(Wed)	05:49	06:10	87	12:16	76S	18:22	272	18:44
2025	Sep	18	(Thu)	05:49	06:10	88	12:16	76S	18:21	272	18:43
2025	Sep	19	(Fri)	05:49	06:11	88	12:16	76S	18:21	272	18:42
2025	Sep	20	(Sat)	05:49	06:11	89	12:15	75S	18:20	271	18:41
2025	Sep	21	(Sun)	05:49	06:11	89	12:15	75S	18:19	271	18:41
2025	Sep	22	(Mon)	05:49	06:11	89	12:15	74S	18:18	270	18:40
2025	Sep	23	(Tue)	05:49	06:11	90	12:14	74S	18:17	270	18:39
2025	Sep	24	(Wed)	05:50	06:11	90	12:14	74S	18:17	270	18:38
2025	Sep	25	(Thu)	05:50	06:11	91	12:14	73S	18:16	269	18:37
2025	Sep	26	(Fri)	05:50	06:11	91	12:13	73S	18:15	269	18:36
2025	Sep	27	(Sat)	05:50	06:11	91	12:13	73S	18:14	268	18:36
2025	Sep	28	(Sun)	05:50	06:12	92	12:13	72S	18:13	268	18:35
2025	Sep	29	(Mon)	05:50	06:12	92	12:12	72S	18:13	268	18:34
2025	Sep	30	(Tue)	05:50	06:12	93	12:12	71S	18:12	267	18:33
2025	Oct	01	(Wed)	05:50	06:12	93	12:12	71S	18:11	267	18:33
2025	Oct	02	(Thu)	05:51	06:12	93	12:11	71S	18:10	266	18:32
2025	Oct	03	(Fri)	05:51	06:12	94	12:11	70S	18:09	266	18:31
2025	Oct	04	(Sat)	05:51	06:12	94	12:11	70S	18:09	266	18:30
2025	Oct	05	(Sun)	05:51	06:13	95	12:10	69S	18:08	265	18:29
2025	Oct	06	(Mon)	05:51	06:13	95	12:10	69S	18:07	265	18:29
2025	Oct	07	(Tue)	05:51	06:13	95	12:10	69S	18:06	264	18:28
2025	Oct	08	(Wed)	05:51	06:13	96	12:09	68S	18:06	264	18:27
2025	Oct	09	(Thu)	05:52	06:13	96	12:09	68S	18:05	264	18:27
2025	Oct	10	(Fri)	05:52	06:13	97	12:09	67S	18:04	263	18:26
2025	Oct	11	(Sat)	05:52	06:14	97	12:09	67S	18:03	263	18:25
2025	Oct	12	(Sun)	05:52	06:14	97	12:08	67S	18:03	262	18:24
2025	Oct	13	(Mon)	05:52	06:14	98	12:08	66S	18:02	262	18:24
2025	Oct	14	(Tue)	05:52	06:14	98	12:08	66S	18:01	262	18:23
2025	Oct	15	(Wed)	05:53	06:14	99	12:08	66S	18:01	261	18:23
2025	Oct	16	(Thu)	05:53	06:15	99	12:07	65S	18:00	261	18:22
2025	Oct	17	(Fri)	05:53	06:15	99	12:07	65S	17:59	260	18:21
2025	Oct	18	(Sat)	05:53	06:15	100	12:07	65S	17:59	260	18:21
2025	Oct	19	(Sun)	05:53	06:15	100	12:07	64S	17:58	260	18:20
2025	Oct	20	(Mon)	05:54	06:16	101	12:07	64S	17:58	259	18:19
2025	Oct	21	(Tue)	05:54	06:16	101	12:07	63S	17:57	259	18:19
2025	Oct	22	(Wed)	05:54	06:16	101	12:06	63S	17:56	259	18:18
2025	Oct	23	(Thu)	05:54	06:16	102	12:06	63S	17:56	258	18:18
2025	Oct	24	(Fri)	05:55	06:17	102	12:06	62S	17:55	258	18:17
2025	Oct	25	(Sat)	05:55	06:17	102	12:06	62S	17:55	257	18:17
2025	Oct	26	(Sun)	05:55	06:17	103	12:06	62S	17:54	257	18:16
2025	Oct	27	(Mon)	05:56	06:18	103	12:06	61S	17:54	257	18:16
2025	Oct	28	(Tue)	05:56	06:18	103	12:06	61S	17:53	256	18:15
2025	Oct	29	(Wed)	05:56	06:18	104	12:06	61S	17:53	256	18:15
2025	Oct	30	(Thu)	05:56	06:19	104	12:06	60S	17:52	256	18:14
2025	Oct	31	(Fri)	05:57	06:19	104	12:06	60S	17:52	255	18:14
2025	Nov	01	(Sat)	05:57	06:19	105	12:05	60S	17:51	255	18:14
2025	Nov	02	(Sun)	05:57	06:20	105	12:05	59S	17:51	255	18:13
2025	Nov	03	(Mon)	05:58	06:20	105	12:05	59S	17:51	254	18:13
2025	Nov	04	(Tue)	05:58	06:21	106	12:05	59S	17:50	254	18:13
2025	Nov	05	(Wed)	05:59	06:21	106	12:05	58S	17:50	254	18:12
2025	Nov	06	(Thu)	05:59	06:21	106	12:06	58S	17:50	253	18:12
2025	Nov	07	(Fri)	05:59	06:22	107	12:06	58S	17:49	253	18:12
2025	Nov	08	(Sat)	06:00	06:22	107	12:06	58S	17:49	253	18:11
2025	Nov	09	(Sun)	06:00	06:23	107	12:06	57S	17:49	253	18:11
2025	Nov	10	(Mon)	06:01	06:23	108	12:06	57S	17:48	252	18:11
2025	Nov	11	(Tue)	06:01	06:24	108	12:06	57S	17:48	252	18:11
2025	Nov	12	(Wed)	06:01	06:24	108	12:06	56S	17:48	252	18:10
2025	Nov	13	(Thu)	06:02	06:24	109	12:06	56S	17:48	251	18:10
2025	Nov	14	(Fri)	06:02	06:25	109	12:06	56S	17:48	251	18:10
2025	Nov	15	(Sat)	06:03	06:25	109	12:06	56S	17:47	251	18:10
2025	Nov	16	(Sun)	06:03	06:26	109	12:07	55S	17:47	251	18:10
2025	Nov	17	(Mon)	06:04	06:26	110	12:07	55S	17:47	250	18:10
2025	Nov	18	(Tue)	06:04	06:27	110	12:07	55S	17:47	250	18:10
2025	Nov	19	(Wed)	06:05	06:27	110	12:07	55S	17:47	250	18:10
2025	Nov	20	(Thu)	06:05	06:28	110	12:07	54S	17:47	250	18:10
2025	Nov	21	(Fri)	06:06	06:29	111	12:08	54S	17:47	249	18:10
2025	Nov	22	(Sat)	06:06	06:29	111	12:08	54S	17:47	249	18:10
2025	Nov	23	(Sun)	06:07	06:30	111	12:08	54S	17:47	249	18:10
2025	Nov	24	(Mon)	06:07	06:30	111	12:09	54S	17:47	249	18:10
2025	Nov	25	(Tue)	06:08	06:31	111	12:09	53S	17:47	248	18:10
2025	Nov	26	(Wed)	06:08	06:31	112	12:09	53S	17:47	248	18:10

2025	Nov	27	(Thu)	06:09	06:32	112	12:09	53S	17:47	248	18:10
2025	Nov	28	(Fri)	06:09	06:32	112	12:10	53S	17:47	248	18:10
2025	Nov	29	(Sat)	06:10	06:33	112	12:10	53S	17:47	248	18:10
2025	Nov	30	(Sun)	06:10	06:34	112	12:11	53S	17:47	248	18:11
2025	Dec	01	(Mon)	06:11	06:34	113	12:11	52S	17:47	247	18:11
2025	Dec	02	(Tue)	06:12	06:35	113	12:11	52S	17:48	247	18:11
2025	Dec	03	(Wed)	06:12	06:35	113	12:12	52S	17:48	247	18:11
2025	Dec	04	(Thu)	06:13	06:36	113	12:12	52S	17:48	247	18:11
2025	Dec	05	(Fri)	06:13	06:37	113	12:12	52S	17:48	247	18:12
2025	Dec	06	(Sat)	06:14	06:37	113	12:13	52S	17:49	247	18:12
2025	Dec	07	(Sun)	06:14	06:38	113	12:13	52S	17:49	247	18:12
2025	Dec	08	(Mon)	06:15	06:38	113	12:14	51S	17:49	246	18:12
2025	Dec	09	(Tue)	06:15	06:39	114	12:14	51S	17:49	246	18:13
2025	Dec	10	(Wed)	06:16	06:39	114	12:15	51S	17:50	246	18:13
2025	Dec	11	(Thu)	06:17	06:40	114	12:15	51S	17:50	246	18:14
2025	Dec	12	(Fri)	06:17	06:41	114	12:16	51S	17:50	246	18:14
2025	Dec	13	(Sat)	06:18	06:41	114	12:16	51S	17:51	246	18:14
2025	Dec	14	(Sun)	06:18	06:42	114	12:17	51S	17:51	246	18:15
2025	Dec	15	(Mon)	06:19	06:42	114	12:17	51S	17:52	246	18:15
2025	Dec	16	(Tue)	06:19	06:43	114	12:17	51S	17:52	246	18:16
2025	Dec	17	(Wed)	06:20	06:43	114	12:18	51S	17:53	246	18:16
2025	Dec	18	(Thu)	06:20	06:44	114	12:18	51S	17:53	246	18:16
2025	Dec	19	(Fri)	06:21	06:44	114	12:19	51S	17:53	246	18:17
2025	Dec	20	(Sat)	06:21	06:45	114	12:19	51S	17:54	246	18:17
2025	Dec	21	(Sun)	06:22	06:45	114	12:20	51S	17:54	246	18:18
2025	Dec	22	(Mon)	06:22	06:46	114	12:20	51S	17:55	246	18:18
2025	Dec	23	(Tue)	06:23	06:46	114	12:21	51S	17:55	246	18:19
2025	Dec	24	(Wed)	06:23	06:47	114	12:21	51S	17:56	246	18:19
2025	Dec	25	(Thu)	06:24	06:47	114	12:22	51S	17:56	246	18:20
2025	Dec	26	(Fri)	06:24	06:48	114	12:22	51S	17:57	246	18:20
2025	Dec	27	(Sat)	06:25	06:48	114	12:23	51S	17:58	246	18:21
2025	Dec	28	(Sun)	06:25	06:49	114	12:23	51S	17:58	246	18:22
2025	Dec	29	(Mon)	06:26	06:49	114	12:24	51S	17:59	246	18:22
2025	Dec	30	(Tue)	06:26	06:50	114	12:24	51S	17:59	246	18:23
2025	Dec	31	(Wed)	06:26	06:50	114	12:25	51S	18:00	246	18:23

Moon

Kamphaeng Phet
Location: E 99°31'40.8", N16°28'22.7", 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)	08:01	117		13:40	49S		19:22	245	
2025 Jan 02 (Thu)	08:50	113		14:35	53S		20:22	249	
2025 Jan 03 (Fri)	09:35	108		15:26	58S		21:20	255	
2025 Jan 04 (Sat)	10:17	101		16:15	65S		22:17	262	
2025 Jan 05 (Sun)	10:57	94		17:02	71S		23:13	269	
2025 Jan 06 (Mon)	11:35	87		17:50	78S				
2025 Jan 07 (Tue)	12:15	80		18:38	85S		00:08	276	
2025 Jan 08 (Wed)	12:57	74		19:29	90N		01:05	283	
2025 Jan 09 (Thu)	13:42	68		20:23	85N		02:05	290	
2025 Jan 10 (Fri)	14:33	64		21:21	81N		03:07	295	
2025 Jan 11 (Sat)	15:30	61		22:22	79N		04:11	298	
2025 Jan 12 (Sun)	16:31	60		23:24	79N		05:15	300	
2025 Jan 13 (Mon)	17:33	62					06:16	299	
2025 Jan 14 (Tue)	18:34	65		00:23	81N		07:10	297	
2025 Jan 15 (Wed)	19:31	69		01:18	84N		07:59	293	
2025 Jan 16 (Thu)	20:25	75		02:08	89N		08:41	288	
2025 Jan 17 (Fri)	21:16	81		02:54	87S		09:19	282	
2025 Jan 18 (Sat)	22:04	87		03:36	81S		09:53	276	
2025 Jan 19 (Sun)	22:50	93		04:17	75S		10:26	270	
2025 Jan 20 (Mon)	23:37	99		04:56	69S		10:58	264	
2025 Jan 21 (Tue)				05:35	64S		11:31	258	
2025 Jan 22 (Wed)	00:24	105		06:16	58S		12:06	253	
2025 Jan 23 (Thu)	01:13	110		07:00	54S		12:44	248	
2025 Jan 24 (Fri)	02:05	114		07:47	50S		13:26	244	
2025 Jan 25 (Sat)	03:00	118		08:38	47S		14:14	241	

2025	Jan	26	(Sun)	03:57	120	09:32	45S	15:07	240
2025	Jan	27	(Mon)	04:54	120	10:29	45S	16:05	241
2025	Jan	28	(Tue)	05:49	118	11:27	47S	17:07	243
2025	Jan	29	(Wed)	06:41	115	12:24	51S	18:08	247
2025	Jan	30	(Thu)	07:29	110	13:18	56S	19:09	253
2025	Jan	31	(Fri)	08:13	104	14:09	62S	20:08	260
2025	Feb	01	(Sat)	08:55	97	14:58	69S	21:06	267
2025	Feb	02	(Sun)	09:34	89	15:46	76S	22:03	274
2025	Feb	03	(Mon)	10:14	82	16:35	83S	23:01	281
2025	Feb	04	(Tue)	10:56	75	17:26	90S	24:00	288
2025	Feb	05	(Wed)	11:40	69	18:19	86N		
2025	Feb	06	(Thu)	12:29	65	19:15	82N	01:01	293
2025	Feb	07	(Fri)	13:23	61	20:14	79N	02:04	297
2025	Feb	08	(Sat)	14:21	60	21:14	78N	03:07	300
2025	Feb	09	(Sun)	15:22	61	22:13	80N	04:07	300
2025	Feb	10	(Mon)	16:22	63	23:09	82N	05:02	298
2025	Feb	11	(Tue)	17:20	67			05:52	295
2025	Feb	12	(Wed)	18:15	73	00:00	87N	06:36	290
2025	Feb	13	(Thu)	19:07	78	00:47	90S	07:15	285
2025	Feb	14	(Fri)	19:56	84	01:31	84S	07:51	279
2025	Feb	15	(Sat)	20:43	91	02:12	78S	08:24	272
2025	Feb	16	(Sun)	21:30	97	02:52	72S	08:57	266
2025	Feb	17	(Mon)	22:17	103	03:31	66S	09:29	260
2025	Feb	18	(Tue)	23:05	108	04:11	60S	10:03	255
2025	Feb	19	(Wed)	23:55	113	04:54	55S	10:39	250
2025	Feb	20	(Thu)			05:39	51S	11:19	245
2025	Feb	21	(Fri)	00:48	117	06:27	48S	12:04	242
2025	Feb	22	(Sat)	01:43	119	07:19	46S	12:54	240
2025	Feb	23	(Sun)	02:39	120	08:14	45S	13:49	240
2025	Feb	24	(Mon)	03:35	119	09:11	46S	14:48	242
2025	Feb	25	(Tue)	04:28	117	10:08	49S	15:50	245
2025	Feb	26	(Wed)	05:18	113	11:03	53S	16:51	250
2025	Feb	27	(Thu)	06:04	107	11:56	59S	17:52	256
2025	Feb	28	(Fri)	06:47	100	12:47	66S	18:51	263
2025	Mar	01	(Sat)	07:29	93	13:37	73S	19:50	271
2025	Mar	02	(Sun)	08:10	85	14:27	81S	20:50	279
2025	Mar	03	(Mon)	08:52	78	15:19	88S	21:50	286
2025	Mar	04	(Tue)	09:37	71	16:13	88N	22:53	292
2025	Mar	05	(Wed)	10:25	66	17:09	83N	23:57	297
2025	Mar	06	(Thu)	11:19	62	18:09	80N		
2025	Mar	07	(Fri)	12:16	60	19:09	78N	01:01	299
2025	Mar	08	(Sat)	13:16	60	20:08	79N	02:02	300
2025	Mar	09	(Sun)	14:16	62	21:04	81N	02:59	299
2025	Mar	10	(Mon)	15:14	66	21:56	85N	03:50	296
2025	Mar	11	(Tue)	16:09	71	22:44	90N	04:34	292
2025	Mar	12	(Wed)	17:01	76	23:28	86S	05:14	287
2025	Mar	13	(Thu)	17:50	82			05:51	281
2025	Mar	14	(Fri)	18:38	88	00:09	80S	06:24	275
2025	Mar	15	(Sat)	19:24	95	00:49	74S	06:57	268
2025	Mar	16	(Sun)	20:11	101	01:28	68S	07:29	262
2025	Mar	17	(Mon)	20:59	106	02:08	62S	08:02	257
2025	Mar	18	(Tue)	21:49	111	02:50	57S	08:38	251
2025	Mar	19	(Wed)	22:40	115	03:34	52S	09:16	247
2025	Mar	20	(Thu)	23:34	118	04:20	49S	09:58	243
2025	Mar	21	(Fri)			05:10	46S	10:46	241
2025	Mar	22	(Sat)	00:29	120	06:03	45S	11:38	240
2025	Mar	23	(Sun)	01:23	120	06:58	45S	12:34	241
2025	Mar	24	(Mon)	02:16	118	07:53	47S	13:33	243
2025	Mar	25	(Tue)	03:06	115	08:48	51S	14:32	247
2025	Mar	26	(Wed)	03:53	110	09:41	56S	15:32	253
2025	Mar	27	(Thu)	04:37	104	10:32	62S	16:32	260
2025	Mar	28	(Fri)	05:19	97	11:23	69S	17:31	267
2025	Mar	29	(Sat)	06:00	89	12:13	77S	18:31	275
2025	Mar	30	(Sun)	06:42	81	13:05	84S	19:32	282
2025	Mar	31	(Mon)	07:27	74	13:59	90N	20:36	289
2025	Apr	01	(Tue)	08:16	68	14:57	85N	21:42	295
2025	Apr	02	(Wed)	09:09	63	15:58	81N	22:49	298
2025	Apr	03	(Thu)	10:07	61	17:00	79N	23:54	300
2025	Apr	04	(Fri)	11:08	60	18:01	79N		
2025	Apr	05	(Sat)	12:10	62	19:00	80N	00:54	299
2025	Apr	06	(Sun)	13:09	65	19:53	84N	01:47	297
2025	Apr	07	(Mon)	14:05	69	20:42	88N	02:34	293

2025 Apr 08 (Tue)	14:58 74	21:27 88S	03:15 288
2025 Apr 09 (Wed)	15:47 80	22:09 82S	03:52 283
2025 Apr 10 (Thu)	16:35 86	22:49 76S	04:26 277
2025 Apr 11 (Fri)	17:21 93	23:28 70S	04:59 271
2025 Apr 12 (Sat)	18:08 99		05:31 264
2025 Apr 13 (Sun)	18:55 104	00:07 64S	06:03 259
2025 Apr 14 (Mon)	19:44 110	00:48 59S	06:38 253
2025 Apr 15 (Tue)	20:35 114	01:31 54S	07:15 248
2025 Apr 16 (Wed)	21:28 117	02:17 50S	07:56 244
2025 Apr 17 (Thu)	22:22 119	03:06 47S	08:42 242
2025 Apr 18 (Fri)	23:16 120	03:57 45S	09:32 240
2025 Apr 19 (Sat)		04:51 45S	10:25 240
2025 Apr 20 (Sun)	00:09 119	05:45 46S	11:22 242
2025 Apr 21 (Mon)	00:59 116	06:38 49S	12:20 245
2025 Apr 22 (Tue)	01:45 112	07:30 54S	13:18 250
2025 Apr 23 (Wed)	02:28 107	08:20 59S	14:15 256
2025 Apr 24 (Thu)	03:10 100	09:09 66S	15:13 263
2025 Apr 25 (Fri)	03:50 93	09:58 73S	16:11 271
2025 Apr 26 (Sat)	04:31 85	10:49 80S	17:11 278
2025 Apr 27 (Sun)	05:14 78	11:42 88S	18:14 286
2025 Apr 28 (Mon)	06:01 71	12:38 87N	19:20 292
2025 Apr 29 (Tue)	06:54 65	13:39 82N	20:28 297
2025 Apr 30 (Wed)	07:51 62	14:43 79N	21:37 299
2025 May 01 (Thu)	08:54 60	15:48 78N	22:41 300
2025 May 02 (Fri)	09:58 61	16:49 80N	23:39 298
2025 May 03 (Sat)	11:00 63	17:47 83N	
2025 May 04 (Sun)	11:59 68	18:38 87N	00:30 294
2025 May 05 (Mon)	12:53 73	19:25 89S	01:14 290
2025 May 06 (Tue)	13:44 78	20:08 84S	01:53 284
2025 May 07 (Wed)	14:32 84	20:48 78S	02:28 278
2025 May 08 (Thu)	15:19 91	21:28 72S	03:01 272
2025 May 09 (Fri)	16:05 97	22:07 66S	03:33 266
2025 May 10 (Sat)	16:52 103	22:47 61S	04:05 260
2025 May 11 (Sun)	17:40 108	23:29 56S	04:39 255
2025 May 12 (Mon)	18:31 113		05:15 250
2025 May 13 (Tue)	19:23 116	00:14 51S	05:55 246
2025 May 14 (Wed)	20:17 119	01:02 48S	06:39 242
2025 May 15 (Thu)	21:12 120	01:53 46S	07:28 241
2025 May 16 (Fri)	22:05 119	02:46 45S	08:21 240
2025 May 17 (Sat)	22:55 117	03:40 46S	09:17 241
2025 May 18 (Sun)	23:42 114	04:33 48S	10:14 244
2025 May 19 (Mon)		05:25 52S	11:10 249
2025 May 20 (Tue)	00:25 109	06:14 57S	12:06 254
2025 May 21 (Wed)	01:06 103	07:02 63S	13:02 260
2025 May 22 (Thu)	01:45 96	07:49 70S	13:57 268
2025 May 23 (Fri)	02:24 89	08:37 77S	14:54 275
2025 May 24 (Sat)	03:05 81	09:27 84S	15:54 282
2025 May 25 (Sun)	03:49 74	10:20 90N	16:57 289
2025 May 26 (Mon)	04:37 68	11:19 85N	18:04 295
2025 May 27 (Tue)	05:32 63	12:21 81N	19:13 298
2025 May 28 (Wed)	06:33 61	13:27 79N	20:21 300
2025 May 29 (Thu)	07:38 60	14:32 79N	21:24 299
2025 May 30 (Fri)	08:44 62	15:33 81N	22:20 296
2025 May 31 (Sat)	09:46 66	16:29 85N	23:08 292
2025 Jun 01 (Sun)	10:44 71	17:19 90N	23:50 286
2025 Jun 02 (Mon)	11:38 76	18:04 86S	
2025 Jun 03 (Tue)	12:28 82	18:46 80S	00:27 280
2025 Jun 04 (Wed)	13:15 89	19:26 74S	01:01 274
2025 Jun 05 (Thu)	14:02 95	20:05 68S	01:34 268
2025 Jun 06 (Fri)	14:48 101	20:45 62S	02:06 262
2025 Jun 07 (Sat)	15:36 106	21:27 57S	02:39 257
2025 Jun 08 (Sun)	16:26 111	22:11 53S	03:15 251
2025 Jun 09 (Mon)	17:18 115	22:58 49S	03:53 247
2025 Jun 10 (Tue)	18:12 118	23:48 46S	04:36 243
2025 Jun 11 (Wed)	19:06 120		05:24 241
2025 Jun 12 (Thu)	20:00 120	00:41 45S	06:16 240
2025 Jun 13 (Fri)	20:52 118	01:36 46S	07:12 241
2025 Jun 14 (Sat)	21:40 115	02:30 48S	08:09 243
2025 Jun 15 (Sun)	22:24 110	03:22 51S	09:06 247
2025 Jun 16 (Mon)	23:05 104	04:12 56S	10:02 253
2025 Jun 17 (Tue)	23:44 98	04:59 61S	10:57 259
2025 Jun 18 (Wed)		05:46 68S	11:51 265

2025 Jun 19 (Thu)	00:22 91	06:32 75S	12:46 273
2025 Jun 20 (Fri)	01:01 84	07:19 82S	13:42 280
2025 Jun 21 (Sat)	01:42 77	08:09 88S	14:42 286
2025 Jun 22 (Sun)	02:27 71	09:04 87N	15:45 292
2025 Jun 23 (Mon)	03:18 65	10:03 82N	16:52 297
2025 Jun 24 (Tue)	04:15 62	11:06 79N	18:00 299
2025 Jun 25 (Wed)	05:18 60	12:12 79N	19:05 299
2025 Jun 26 (Thu)	06:23 61	13:15 80N	20:05 297
2025 Jun 27 (Fri)	07:28 64	14:14 83N	20:57 294
2025 Jun 28 (Sat)	08:29 69	15:08 88N	21:43 289
2025 Jun 29 (Sun)	09:26 74	15:56 88S	22:23 283
2025 Jun 30 (Mon)	10:19 80	16:41 82S	22:59 277
2025 Jul 01 (Tue)	11:08 86	17:22 76S	23:32 270
2025 Jul 02 (Wed)	11:56 93	18:02 70S	
2025 Jul 03 (Thu)	12:43 99	18:42 64S	00:05 264
2025 Jul 04 (Fri)	13:30 104	19:23 59S	00:38 258
2025 Jul 05 (Sat)	14:19 110	20:06 54S	01:13 253
2025 Jul 06 (Sun)	15:10 114	20:52 50S	01:50 248
2025 Jul 07 (Mon)	16:04 117	21:42 47S	02:32 244
2025 Jul 08 (Tue)	16:58 119	22:34 45S	03:18 242
2025 Jul 09 (Wed)	17:53 120	23:28 45S	04:09 240
2025 Jul 10 (Thu)	18:46 119		05:04 241
2025 Jul 11 (Fri)	19:36 116	00:23 47S	06:01 242
2025 Jul 12 (Sat)	20:22 112	01:17 50S	06:59 246
2025 Jul 13 (Sun)	21:05 106	02:08 54S	07:57 251
2025 Jul 14 (Mon)	21:45 100	02:57 60S	08:53 257
2025 Jul 15 (Tue)	22:23 93	03:44 66S	09:47 264
2025 Jul 16 (Wed)	23:01 86	04:30 73S	10:42 271
2025 Jul 17 (Thu)	23:40 79	05:17 80S	11:37 278
2025 Jul 18 (Fri)		06:05 86S	12:34 285
2025 Jul 19 (Sat)	00:23 72	06:57 89N	13:35 291
2025 Jul 20 (Sun)	01:10 67	07:53 84N	14:39 296
2025 Jul 21 (Mon)	02:03 63	08:53 80N	15:44 299
2025 Jul 22 (Tue)	03:02 61	09:56 79N	16:49 300
2025 Jul 23 (Wed)	04:06 60	10:59 79N	17:51 299
2025 Jul 24 (Thu)	05:11 63	12:00 82N	18:46 296
2025 Jul 25 (Fri)	06:13 66	12:56 86N	19:34 291
2025 Jul 26 (Sat)	07:12 72	13:47 91S	20:16 285
2025 Jul 27 (Sun)	08:07 77	14:33 85S	20:54 279
2025 Jul 28 (Mon)	08:59 84	15:16 78S	21:29 273
2025 Jul 29 (Tue)	09:48 90	15:57 72S	22:03 267
2025 Jul 30 (Wed)	10:35 96	16:37 66S	22:36 261
2025 Jul 31 (Thu)	11:23 102	17:18 61S	23:10 255
2025 Aug 01 (Fri)	12:12 108	18:01 56S	23:47 250
2025 Aug 02 (Sat)	13:02 112	18:45 51S	
2025 Aug 03 (Sun)	13:54 116	19:33 48S	00:26 246
2025 Aug 04 (Mon)	14:48 119	20:24 46S	01:10 242
2025 Aug 05 (Tue)	15:43 120	21:18 45S	01:59 241
2025 Aug 06 (Wed)	16:37 119	22:13 46S	02:53 240
2025 Aug 07 (Thu)	17:29 117	23:07 48S	03:49 241
2025 Aug 08 (Fri)	18:17 113		04:48 244
2025 Aug 09 (Sat)	19:01 108	00:00 52S	05:47 249
2025 Aug 10 (Sun)	19:43 102	00:51 58S	06:44 255
2025 Aug 11 (Mon)	20:22 95	01:40 64S	07:41 261
2025 Aug 12 (Tue)	21:01 88	02:27 71S	08:36 268
2025 Aug 13 (Wed)	21:40 81	03:14 78S	09:32 276
2025 Aug 14 (Thu)	22:22 74	04:03 85S	10:30 283
2025 Aug 15 (Fri)	23:08 68	04:53 90N	11:29 289
2025 Aug 16 (Sat)	23:58 64	05:48 85N	12:32 294
2025 Aug 17 (Sun)		06:46 81N	13:36 298
2025 Aug 18 (Mon)	00:55 61	07:47 79N	14:40 300
2025 Aug 19 (Tue)	01:56 60	08:49 79N	15:42 299
2025 Aug 20 (Wed)	02:59 61	09:49 80N	16:38 297
2025 Aug 21 (Thu)	04:01 65	10:46 84N	17:27 293
2025 Aug 22 (Fri)	05:01 69	11:38 89N	18:11 288
2025 Aug 23 (Sat)	05:56 75	12:26 87S	18:51 282
2025 Aug 24 (Sun)	06:49 81	13:10 81S	19:27 276
2025 Aug 25 (Mon)	07:39 88	13:52 75S	20:01 269
2025 Aug 26 (Tue)	08:27 94	14:33 69S	20:34 263
2025 Aug 27 (Wed)	09:15 100	15:13 63S	21:08 257
2025 Aug 28 (Thu)	10:04 106	15:55 57S	21:44 252
2025 Aug 29 (Fri)	10:53 111	16:39 53S	22:22 247

2025 Aug 30 (Sat)	11:45 115	17:25 49S	23:04 244
2025 Aug 31 (Sun)	12:38 118	18:15 46S	23:50 241
2025 Sep 01 (Mon)	13:32 120	19:07 45S	
2025 Sep 02 (Tue)	14:26 120	20:00 45S	00:41 240
2025 Sep 03 (Wed)	15:18 118	20:55 47S	01:36 241
2025 Sep 04 (Thu)	16:07 115	21:48 50S	02:33 243
2025 Sep 05 (Fri)	16:53 111	22:40 55S	03:32 247
2025 Sep 06 (Sat)	17:36 105	23:30 61S	04:30 252
2025 Sep 07 (Sun)	18:17 98		05:27 258
2025 Sep 08 (Mon)	18:57 91	00:19 68S	06:24 265
2025 Sep 09 (Tue)	19:37 84	01:07 75S	07:22 273
2025 Sep 10 (Wed)	20:19 76	01:56 82S	08:20 280
2025 Sep 11 (Thu)	21:04 70	02:47 89S	09:21 287
2025 Sep 12 (Fri)	21:54 65	03:42 87N	10:24 293
2025 Sep 13 (Sat)	22:50 62	04:40 82N	11:29 297
2025 Sep 14 (Sun)	23:50 60	05:41 79N	12:34 300
2025 Sep 15 (Mon)		06:43 78N	13:36 300
2025 Sep 16 (Tue)	00:52 61	07:44 80N	14:33 298
2025 Sep 17 (Wed)	01:54 63	08:41 82N	15:24 295
2025 Sep 18 (Thu)	02:53 68	09:33 87N	16:09 290
2025 Sep 19 (Fri)	03:49 73	10:21 89S	16:49 284
2025 Sep 20 (Sat)	04:42 79	11:06 83S	17:26 278
2025 Sep 21 (Sun)	05:32 85	11:48 77S	18:00 272
2025 Sep 22 (Mon)	06:21 91	12:29 71S	18:33 265
2025 Sep 23 (Tue)	07:09 98	13:10 65S	19:07 259
2025 Sep 24 (Wed)	07:57 104	13:51 59S	19:42 254
2025 Sep 25 (Thu)	08:46 109	14:34 55S	20:19 249
2025 Sep 26 (Fri)	09:37 113	15:19 50S	20:59 245
2025 Sep 27 (Sat)	10:29 117	16:07 47S	21:44 242
2025 Sep 28 (Sun)	11:23 119	16:58 45S	22:32 240
2025 Sep 29 (Mon)	12:16 120	17:50 45S	23:25 240
2025 Sep 30 (Tue)	13:08 119	18:43 46S	
2025 Oct 01 (Wed)	13:57 117	19:36 49S	00:20 242
2025 Oct 02 (Thu)	14:44 113	20:27 53S	01:17 245
2025 Oct 03 (Fri)	15:27 108	21:17 58S	02:14 249
2025 Oct 04 (Sat)	16:08 102	22:06 64S	03:11 255
2025 Oct 05 (Sun)	16:48 95	22:54 71S	04:07 262
2025 Oct 06 (Mon)	17:29 87	23:44 78S	05:05 269
2025 Oct 07 (Tue)	18:11 80		06:03 277
2025 Oct 08 (Wed)	18:56 73	00:35 86S	07:04 284
2025 Oct 09 (Thu)	19:45 67	01:30 89N	08:08 290
2025 Oct 10 (Fri)	20:41 63	02:28 84N	09:15 296
2025 Oct 11 (Sat)	21:41 60	03:31 80N	10:23 299
2025 Oct 12 (Sun)	22:44 60	04:35 78N	11:28 300
2025 Oct 13 (Mon)	23:48 62	05:37 79N	12:29 299
2025 Oct 14 (Tue)		06:36 82N	13:22 296
2025 Oct 15 (Wed)	00:48 66	07:30 85N	14:09 291
2025 Oct 16 (Thu)	01:45 71	08:20 90N	14:50 286
2025 Oct 17 (Fri)	02:39 77	09:05 85S	15:27 280
2025 Oct 18 (Sat)	03:29 83	09:47 79S	16:01 274
2025 Oct 19 (Sun)	04:17 89	10:28 73S	16:34 268
2025 Oct 20 (Mon)	05:05 96	11:08 67S	17:08 261
2025 Oct 21 (Tue)	05:52 102	11:49 61S	17:42 256
2025 Oct 22 (Wed)	06:41 107	12:31 56S	18:18 251
2025 Oct 23 (Thu)	07:31 112	13:16 52S	18:57 246
2025 Oct 24 (Fri)	08:23 116	14:03 48S	19:40 243
2025 Oct 25 (Sat)	09:16 118	14:52 46S	20:27 241
2025 Oct 26 (Sun)	10:09 120	15:44 45S	21:18 240
2025 Oct 27 (Mon)	11:01 120	16:36 46S	22:11 241
2025 Oct 28 (Tue)	11:50 118	17:27 48S	23:06 243
2025 Oct 29 (Wed)	12:37 115	18:18 51S	
2025 Oct 30 (Thu)	13:20 110	19:07 56S	00:02 247
2025 Oct 31 (Fri)	14:01 105	19:54 61S	00:57 252
2025 Nov 01 (Sat)	14:40 98	20:41 68S	01:52 258
2025 Nov 02 (Sun)	15:19 91	21:29 75S	02:47 265
2025 Nov 03 (Mon)	15:59 84	22:19 82S	03:44 273
2025 Nov 04 (Tue)	16:43 77	23:12 89S	04:43 280
2025 Nov 05 (Wed)	17:31 70		05:46 287
2025 Nov 06 (Thu)	18:24 65	00:09 86N	06:52 293
2025 Nov 07 (Fri)	19:25 61	01:12 82N	08:02 297
2025 Nov 08 (Sat)	20:29 60	02:17 79N	09:11 300
2025 Nov 09 (Sun)	21:36 62	03:23 79N	10:17 299

2025 Nov 10 (Mon)	22:40 65	04:27 81N	11:15 297
2025 Nov 11 (Tue)	23:39 70	05:24 84N	12:05 293
2025 Nov 12 (Wed)		06:16 89N	12:49 288
2025 Nov 13 (Thu)	00:35 75	07:03 87S	13:28 282
2025 Nov 14 (Fri)	01:26 81	07:47 81S	14:03 276
2025 Nov 15 (Sat)	02:15 88	08:28 75S	14:36 269
2025 Nov 16 (Sun)	03:02 94	09:08 69S	15:09 263
2025 Nov 17 (Mon)	03:50 100	09:48 63S	15:43 257
2025 Nov 18 (Tue)	04:38 105	10:29 58S	16:18 252
2025 Nov 19 (Wed)	05:27 110	11:13 53S	16:57 248
2025 Nov 20 (Thu)	06:18 115	11:59 49S	17:38 244
2025 Nov 21 (Fri)	07:11 118	12:48 47S	18:24 241
2025 Nov 22 (Sat)	08:04 119	13:39 45S	19:14 240
2025 Nov 23 (Sun)	08:57 120	14:31 46S	20:07 241
2025 Nov 24 (Mon)	09:47 118	15:23 47S	21:01 243
2025 Nov 25 (Tue)	10:33 116	16:13 50S	21:55 246
2025 Nov 26 (Wed)	11:17 112	17:02 54S	22:50 251
2025 Nov 27 (Thu)	11:57 107	17:48 59S	23:43 256
2025 Nov 28 (Fri)	12:36 101	18:34 65S	
2025 Nov 29 (Sat)	13:13 94	19:19 72S	00:36 262
2025 Nov 30 (Sun)	13:51 87	20:06 79S	01:29 269
2025 Dec 01 (Mon)	14:31 80	20:55 86S	02:25 277
2025 Dec 02 (Tue)	15:16 73	21:49 89N	03:24 284
2025 Dec 03 (Wed)	16:06 67	22:48 84N	04:27 290
2025 Dec 04 (Thu)	17:02 63	23:53 80N	05:35 295
2025 Dec 05 (Fri)	18:06 61		06:45 299
2025 Dec 06 (Sat)	19:14 61	01:00 79N	07:55 300
2025 Dec 07 (Sun)	20:21 63	02:07 80N	08:58 298
2025 Dec 08 (Mon)	21:26 68	03:10 82N	09:54 295
2025 Dec 09 (Tue)	22:25 73	04:06 87N	10:43 290
2025 Dec 10 (Wed)	23:19 79	04:57 89S	11:25 284
2025 Dec 11 (Thu)		05:43 83S	12:02 278
2025 Dec 12 (Fri)	00:10 86	06:25 77S	12:37 271
2025 Dec 13 (Sat)	00:59 92	07:06 71S	13:10 265
2025 Dec 14 (Sun)	01:46 98	07:47 65S	13:44 259
2025 Dec 15 (Mon)	02:34 104	08:28 59S	14:18 254
2025 Dec 16 (Tue)	03:23 109	09:11 55S	14:56 249
2025 Dec 17 (Wed)	04:14 113	09:56 51S	15:36 245
2025 Dec 18 (Thu)	05:06 117	10:44 48S	16:21 242
2025 Dec 19 (Fri)	05:59 119	11:35 46S	17:10 241
2025 Dec 20 (Sat)	06:52 120	12:27 45S	18:02 241
2025 Dec 21 (Sun)	07:43 119	13:19 47S	18:56 242
2025 Dec 22 (Mon)	08:32 116	14:10 49S	19:51 245
2025 Dec 23 (Tue)	09:16 113	15:00 53S	20:46 249
2025 Dec 24 (Wed)	09:57 108	15:46 58S	21:39 255
2025 Dec 25 (Thu)	10:36 102	16:32 63S	22:31 261
2025 Dec 26 (Fri)	11:12 96	17:16 70S	23:23 267
2025 Dec 27 (Sat)	11:49 89	18:00 76S	
2025 Dec 28 (Sun)	12:27 83	18:47 83S	00:16 274
2025 Dec 29 (Mon)	13:07 76	19:37 89S	01:11 281
2025 Dec 30 (Tue)	13:53 70	20:31 86N	02:10 287
2025 Dec 31 (Wed)	14:44 65	21:31 82N	03:13 293