

Sun

Khon Kaen

Location: E102°48'32.3", N16°23'06.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2025	Jan	01 (Wed)	05:47	06:37	114	12:12	51S	17:48	246	18:38
2025	Jan	02 (Thu)	05:47	06:37	114	12:13	51S	17:48	246	18:38
2025	Jan	03 (Fri)	05:48	06:38	114	12:13	52S	17:49	246	18:39
2025	Jan	04 (Sat)	05:48	06:38	113	12:14	52S	17:49	247	18:40
2025	Jan	05 (Sun)	05:48	06:38	113	12:14	52S	17:50	247	18:40
2025	Jan	06 (Mon)	05:49	06:39	113	12:15	52S	17:51	247	18:41
2025	Jan	07 (Tue)	05:49	06:39	113	12:15	52S	17:51	247	18:41
2025	Jan	08 (Wed)	05:49	06:39	113	12:15	52S	17:52	247	18:42
2025	Jan	09 (Thu)	05:49	06:39	113	12:16	52S	17:52	247	18:42
2025	Jan	10 (Fri)	05:50	06:40	113	12:16	52S	17:53	247	18:43
2025	Jan	11 (Sat)	05:50	06:40	113	12:17	53S	17:54	248	18:43
2025	Jan	12 (Sun)	05:50	06:40	112	12:17	53S	17:54	248	18:44
2025	Jan	13 (Mon)	05:50	06:40	112	12:17	53S	17:55	248	18:45
2025	Jan	14 (Tue)	05:51	06:40	112	12:18	53S	17:55	248	18:45
2025	Jan	15 (Wed)	05:51	06:40	112	12:18	53S	17:56	248	18:46
2025	Jan	16 (Thu)	05:51	06:41	112	12:19	53S	17:57	248	18:46
2025	Jan	17 (Fri)	05:51	06:41	111	12:19	54S	17:57	249	18:47
2025	Jan	18 (Sat)	05:51	06:41	111	12:19	54S	17:58	249	18:47
2025	Jan	19 (Sun)	05:51	06:41	111	12:19	54S	17:58	249	18:48
2025	Jan	20 (Mon)	05:51	06:41	111	12:20	54S	17:59	249	18:48
2025	Jan	21 (Tue)	05:51	06:41	111	12:20	54S	18:00	250	18:49
2025	Jan	22 (Wed)	05:52	06:41	110	12:20	55S	18:00	250	18:49
2025	Jan	23 (Thu)	05:52	06:41	110	12:21	55S	18:01	250	18:50
2025	Jan	24 (Fri)	05:52	06:41	110	12:21	55S	18:01	250	18:50
2025	Jan	25 (Sat)	05:52	06:40	110	12:21	55S	18:02	251	18:51
2025	Jan	26 (Sun)	05:52	06:40	109	12:21	56S	18:02	251	18:51
2025	Jan	27 (Mon)	05:51	06:40	109	12:21	56S	18:03	251	18:52
2025	Jan	28 (Tue)	05:51	06:40	109	12:22	56S	18:03	251	18:52
2025	Jan	29 (Wed)	05:51	06:40	108	12:22	56S	18:04	252	18:53
2025	Jan	30 (Thu)	05:51	06:40	108	12:22	57S	18:04	252	18:53
2025	Jan	31 (Fri)	05:51	06:40	108	12:22	57S	18:05	252	18:53
2025	Feb	01 (Sat)	05:51	06:39	108	12:22	57S	18:05	253	18:54
2025	Feb	02 (Sun)	05:51	06:39	107	12:22	58S	18:06	253	18:54
2025	Feb	03 (Mon)	05:51	06:39	107	12:23	58S	18:06	253	18:55
2025	Feb	04 (Tue)	05:50	06:39	107	12:23	58S	18:07	253	18:55
2025	Feb	05 (Wed)	05:50	06:38	106	12:23	58S	18:07	254	18:55
2025	Feb	06 (Thu)	05:50	06:38	106	12:23	59S	18:08	254	18:56
2025	Feb	07 (Fri)	05:50	06:38	106	12:23	59S	18:08	254	18:56
2025	Feb	08 (Sat)	05:49	06:37	105	12:23	59S	18:09	255	18:57
2025	Feb	09 (Sun)	05:49	06:37	105	12:23	60S	18:09	255	18:57
2025	Feb	10 (Mon)	05:49	06:37	105	12:23	60S	18:09	255	18:57
2025	Feb	11 (Tue)	05:48	06:36	104	12:23	60S	18:10	256	18:58
2025	Feb	12 (Wed)	05:48	06:36	104	12:23	61S	18:10	256	18:58
2025	Feb	13 (Thu)	05:48	06:35	104	12:23	61S	18:11	256	18:58
2025	Feb	14 (Fri)	05:47	06:35	103	12:23	61S	18:11	257	18:59
2025	Feb	15 (Sat)	05:47	06:34	103	12:23	62S	18:11	257	18:59
2025	Feb	16 (Sun)	05:47	06:34	103	12:23	62S	18:12	258	18:59
2025	Feb	17 (Mon)	05:46	06:33	102	12:23	62S	18:12	258	19:00
2025	Feb	18 (Tue)	05:46	06:33	102	12:23	63S	18:13	258	19:00
2025	Feb	19 (Wed)	05:45	06:32	102	12:23	63S	18:13	259	19:00
2025	Feb	20 (Thu)	05:45	06:32	101	12:22	63S	18:13	259	19:00
2025	Feb	21 (Fri)	05:44	06:31	101	12:22	64S	18:13	259	19:01
2025	Feb	22 (Sat)	05:44	06:31	100	12:22	64S	18:14	260	19:01
2025	Feb	23 (Sun)	05:43	06:30	100	12:22	65S	18:14	260	19:01
2025	Feb	24 (Mon)	05:43	06:30	100	12:22	65S	18:14	261	19:01
2025	Feb	25 (Tue)	05:42	06:29	99	12:22	65S	18:15	261	19:02
2025	Feb	26 (Wed)	05:42	06:28	99	12:22	66S	18:15	261	19:02
2025	Feb	27 (Thu)	05:41	06:28	98	12:21	66S	18:15	262	19:02
2025	Feb	28 (Fri)	05:40	06:27	98	12:21	66S	18:16	262	19:02
2025	Mar	01 (Sat)	05:40	06:27	98	12:21	67S	18:16	263	19:03

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

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

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

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

2025	Dec	15	(Mon)	05:39	06:29	114	12:04	51S	17:39	246	18:29
2025	Dec	16	(Tue)	05:39	06:30	114	12:04	51S	17:39	246	18:30
2025	Dec	17	(Wed)	05:40	06:30	114	12:05	51S	17:40	246	18:30
2025	Dec	18	(Thu)	05:40	06:31	114	12:05	51S	17:40	246	18:30
2025	Dec	19	(Fri)	05:41	06:31	114	12:06	51S	17:40	246	18:31
2025	Dec	20	(Sat)	05:41	06:32	114	12:06	51S	17:41	246	18:31
2025	Dec	21	(Sun)	05:42	06:32	114	12:07	51S	17:41	246	18:32
2025	Dec	22	(Mon)	05:42	06:33	114	12:07	51S	17:42	246	18:32
2025	Dec	23	(Tue)	05:43	06:33	114	12:08	51S	17:42	246	18:33
2025	Dec	24	(Wed)	05:43	06:34	114	12:08	51S	17:43	246	18:33
2025	Dec	25	(Thu)	05:44	06:34	114	12:09	51S	17:44	246	18:34
2025	Dec	26	(Fri)	05:44	06:35	114	12:09	51S	17:44	246	18:34
2025	Dec	27	(Sat)	05:45	06:35	114	12:10	51S	17:45	246	18:35
2025	Dec	28	(Sun)	05:45	06:35	114	12:10	51S	17:45	246	18:36
2025	Dec	29	(Mon)	05:45	06:36	114	12:11	51S	17:46	246	18:36
2025	Dec	30	(Tue)	05:46	06:36	114	12:11	51S	17:46	246	18:37
2025	Dec	31	(Wed)	05:46	06:37	114	12:12	51S	17:47	246	18:37

Sun

Khon Kaen

Location: E102°48'32.3", N16°23'06.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin	Rise	Az.	Transit	Alt.	Set	Az.	End
				Civil Twilight							Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2025	Jan	01	(Wed)	06:14	06:37	114	12:12	51S	17:48	246	18:11
2025	Jan	02	(Thu)	06:14	06:37	114	12:13	51S	17:48	246	18:12
2025	Jan	03	(Fri)	06:14	06:38	114	12:13	52S	17:49	246	18:12
2025	Jan	04	(Sat)	06:15	06:38	113	12:14	52S	17:49	247	18:13
2025	Jan	05	(Sun)	06:15	06:38	113	12:14	52S	17:50	247	18:13
2025	Jan	06	(Mon)	06:15	06:39	113	12:15	52S	17:51	247	18:14
2025	Jan	07	(Tue)	06:16	06:39	113	12:15	52S	17:51	247	18:14
2025	Jan	08	(Wed)	06:16	06:39	113	12:15	52S	17:52	247	18:15
2025	Jan	09	(Thu)	06:16	06:39	113	12:16	52S	17:52	247	18:16
2025	Jan	10	(Fri)	06:16	06:40	113	12:16	52S	17:53	247	18:16
2025	Jan	11	(Sat)	06:17	06:40	113	12:17	53S	17:54	248	18:17
2025	Jan	12	(Sun)	06:17	06:40	112	12:17	53S	17:54	248	18:17
2025	Jan	13	(Mon)	06:17	06:40	112	12:17	53S	17:55	248	18:18
2025	Jan	14	(Tue)	06:17	06:40	112	12:18	53S	17:55	248	18:19
2025	Jan	15	(Wed)	06:17	06:40	112	12:18	53S	17:56	248	18:19
2025	Jan	16	(Thu)	06:17	06:41	112	12:19	53S	17:57	248	18:20
2025	Jan	17	(Fri)	06:18	06:41	111	12:19	54S	17:57	249	18:20
2025	Jan	18	(Sat)	06:18	06:41	111	12:19	54S	17:58	249	18:21
2025	Jan	19	(Sun)	06:18	06:41	111	12:19	54S	17:58	249	18:21
2025	Jan	20	(Mon)	06:18	06:41	111	12:20	54S	17:59	249	18:22
2025	Jan	21	(Tue)	06:18	06:41	111	12:20	54S	18:00	250	18:22
2025	Jan	22	(Wed)	06:18	06:41	110	12:20	55S	18:00	250	18:23
2025	Jan	23	(Thu)	06:18	06:41	110	12:21	55S	18:01	250	18:23
2025	Jan	24	(Fri)	06:18	06:41	110	12:21	55S	18:01	250	18:24
2025	Jan	25	(Sat)	06:18	06:40	110	12:21	55S	18:02	251	18:24
2025	Jan	26	(Sun)	06:18	06:40	109	12:21	56S	18:02	251	18:25
2025	Jan	27	(Mon)	06:18	06:40	109	12:21	56S	18:03	251	18:26
2025	Jan	28	(Tue)	06:18	06:40	109	12:22	56S	18:03	251	18:26
2025	Jan	29	(Wed)	06:17	06:40	108	12:22	56S	18:04	252	18:26
2025	Jan	30	(Thu)	06:17	06:40	108	12:22	57S	18:04	252	18:27
2025	Jan	31	(Fri)	06:17	06:40	108	12:22	57S	18:05	252	18:27
2025	Feb	01	(Sat)	06:17	06:39	108	12:22	57S	18:05	253	18:28
2025	Feb	02	(Sun)	06:17	06:39	107	12:22	58S	18:06	253	18:28
2025	Feb	03	(Mon)	06:16	06:39	107	12:23	58S	18:06	253	18:29
2025	Feb	04	(Tue)	06:16	06:39	107	12:23	58S	18:07	253	18:29
2025	Feb	05	(Wed)	06:16	06:38	106	12:23	58S	18:07	254	18:30
2025	Feb	06	(Thu)	06:16	06:38	106	12:23	59S	18:08	254	18:30
2025	Feb	07	(Fri)	06:15	06:38	106	12:23	59S	18:08	254	18:31
2025	Feb	08	(Sat)	06:15	06:37	105	12:23	59S	18:09	255	18:31
2025	Feb	09	(Sun)	06:15	06:37	105	12:23	60S	18:09	255	18:31
2025	Feb	10	(Mon)	06:14	06:37	105	12:23	60S	18:09	255	18:32
2025	Feb	11	(Tue)	06:14	06:36	104	12:23	60S	18:10	256	18:32

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

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

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

2025	Sep	16	(Tue)	05:36	05:57	87	12:04	77S	18:10	273	18:31
2025	Sep	17	(Wed)	05:36	05:57	87	12:03	76S	18:09	272	18:31
2025	Sep	18	(Thu)	05:36	05:57	88	12:03	76S	18:08	272	18:30
2025	Sep	19	(Fri)	05:36	05:57	88	12:03	76S	18:07	272	18:29
2025	Sep	20	(Sat)	05:36	05:58	89	12:02	75S	18:07	271	18:28
2025	Sep	21	(Sun)	05:36	05:58	89	12:02	75S	18:06	271	18:27
2025	Sep	22	(Mon)	05:36	05:58	89	12:02	75S	18:05	270	18:27
2025	Sep	23	(Tue)	05:36	05:58	90	12:01	74S	18:04	270	18:26
2025	Sep	24	(Wed)	05:36	05:58	90	12:01	74S	18:03	270	18:25
2025	Sep	25	(Thu)	05:37	05:58	91	12:00	73S	18:03	269	18:24
2025	Sep	26	(Fri)	05:37	05:58	91	12:00	73S	18:02	269	18:23
2025	Sep	27	(Sat)	05:37	05:58	91	12:00	73S	18:01	268	18:23
2025	Sep	28	(Sun)	05:37	05:58	92	11:59	72S	18:00	268	18:22
2025	Sep	29	(Mon)	05:37	05:59	92	11:59	72S	17:59	268	18:21
2025	Sep	30	(Tue)	05:37	05:59	93	11:59	71S	17:59	267	18:20
2025	Oct	01	(Wed)	05:37	05:59	93	11:58	71S	17:58	267	18:19
2025	Oct	02	(Thu)	05:37	05:59	93	11:58	71S	17:57	266	18:19
2025	Oct	03	(Fri)	05:38	05:59	94	11:58	70S	17:56	266	18:18
2025	Oct	04	(Sat)	05:38	05:59	94	11:58	70S	17:56	266	18:17
2025	Oct	05	(Sun)	05:38	05:59	95	11:57	69S	17:55	265	18:16
2025	Oct	06	(Mon)	05:38	06:00	95	11:57	69S	17:54	265	18:16
2025	Oct	07	(Tue)	05:38	06:00	95	11:57	69S	17:53	264	18:15
2025	Oct	08	(Wed)	05:38	06:00	96	11:56	68S	17:53	264	18:14
2025	Oct	09	(Thu)	05:38	06:00	96	11:56	68S	17:52	264	18:13
2025	Oct	10	(Fri)	05:39	06:00	97	11:56	68S	17:51	263	18:13
2025	Oct	11	(Sat)	05:39	06:00	97	11:56	67S	17:50	263	18:12
2025	Oct	12	(Sun)	05:39	06:01	97	11:55	67S	17:50	262	18:11
2025	Oct	13	(Mon)	05:39	06:01	98	11:55	66S	17:49	262	18:11
2025	Oct	14	(Tue)	05:39	06:01	98	11:55	66S	17:48	262	18:10
2025	Oct	15	(Wed)	05:39	06:01	99	11:55	66S	17:48	261	18:09
2025	Oct	16	(Thu)	05:40	06:01	99	11:54	65S	17:47	261	18:09
2025	Oct	17	(Fri)	05:40	06:02	99	11:54	65S	17:46	260	18:08
2025	Oct	18	(Sat)	05:40	06:02	100	11:54	65S	17:46	260	18:08
2025	Oct	19	(Sun)	05:40	06:02	100	11:54	64S	17:45	260	18:07
2025	Oct	20	(Mon)	05:41	06:02	101	11:54	64S	17:45	259	18:06
2025	Oct	21	(Tue)	05:41	06:03	101	11:53	64S	17:44	259	18:06
2025	Oct	22	(Wed)	05:41	06:03	101	11:53	63S	17:43	259	18:05
2025	Oct	23	(Thu)	05:41	06:03	102	11:53	63S	17:43	258	18:05
2025	Oct	24	(Fri)	05:42	06:03	102	11:53	62S	17:42	258	18:04
2025	Oct	25	(Sat)	05:42	06:04	102	11:53	62S	17:42	257	18:04
2025	Oct	26	(Sun)	05:42	06:04	103	11:53	62S	17:41	257	18:03
2025	Oct	27	(Mon)	05:42	06:04	103	11:53	61S	17:41	257	18:03
2025	Oct	28	(Tue)	05:43	06:05	103	11:53	61S	17:40	256	18:02
2025	Oct	29	(Wed)	05:43	06:05	104	11:53	61S	17:40	256	18:02
2025	Oct	30	(Thu)	05:43	06:05	104	11:52	60S	17:39	256	18:01
2025	Oct	31	(Fri)	05:44	06:06	104	11:52	60S	17:39	255	18:01
2025	Nov	01	(Sat)	05:44	06:06	105	11:52	60S	17:38	255	18:01
2025	Nov	02	(Sun)	05:44	06:07	105	11:52	60S	17:38	255	18:00
2025	Nov	03	(Mon)	05:45	06:07	105	11:52	59S	17:38	254	18:00
2025	Nov	04	(Tue)	05:45	06:07	106	11:52	59S	17:37	254	18:00
2025	Nov	05	(Wed)	05:45	06:08	106	11:52	59S	17:37	254	17:59
2025	Nov	06	(Thu)	05:46	06:08	106	11:52	58S	17:37	253	17:59
2025	Nov	07	(Fri)	05:46	06:08	107	11:52	58S	17:36	253	17:59
2025	Nov	08	(Sat)	05:46	06:09	107	11:53	58S	17:36	253	17:58
2025	Nov	09	(Sun)	05:47	06:09	107	11:53	57S	17:36	253	17:58
2025	Nov	10	(Mon)	05:47	06:10	108	11:53	57S	17:35	252	17:58
2025	Nov	11	(Tue)	05:48	06:10	108	11:53	57S	17:35	252	17:58
2025	Nov	12	(Wed)	05:48	06:11	108	11:53	57S	17:35	252	17:57
2025	Nov	13	(Thu)	05:49	06:11	108	11:53	56S	17:35	251	17:57
2025	Nov	14	(Fri)	05:49	06:12	109	11:53	56S	17:35	251	17:57
2025	Nov	15	(Sat)	05:50	06:12	109	11:53	56S	17:34	251	17:57
2025	Nov	16	(Sun)	05:50	06:13	109	11:54	56S	17:34	251	17:57
2025	Nov	17	(Mon)	05:50	06:13	110	11:54	55S	17:34	250	17:57
2025	Nov	18	(Tue)	05:51	06:14	110	11:54	55S	17:34	250	17:57
2025	Nov	19	(Wed)	05:51	06:14	110	11:54	55S	17:34	250	17:57
2025	Nov	20	(Thu)	05:52	06:15	110	11:54	55S	17:34	250	17:57
2025	Nov	21	(Fri)	05:52	06:15	111	11:55	54S	17:34	249	17:57
2025	Nov	22	(Sat)	05:53	06:16	111	11:55	54S	17:34	249	17:57
2025	Nov	23	(Sun)	05:53	06:16	111	11:55	54S	17:34	249	17:57
2025	Nov	24	(Mon)	05:54	06:17	111	11:55	54S	17:34	249	17:57
2025	Nov	25	(Tue)	05:54	06:18	111	11:56	54S	17:34	248	17:57
2025	Nov	26	(Wed)	05:55	06:18	112	11:56	53S	17:34	248	17:57

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

Moon

Khon Kaen

Location: E102°48'32.3", N16°23'06.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:47	117		13:26	49S		19:08	245	
2025 Jan 02 (Thu)	08:37	113		14:21	53S		20:08	249	
2025 Jan 03 (Fri)	09:22	108		15:13	58S		21:07	255	
2025 Jan 04 (Sat)	10:04	101		16:02	65S		22:03	262	
2025 Jan 05 (Sun)	10:43	95		16:49	71S		22:59	269	
2025 Jan 06 (Mon)	11:22	87		17:36	78S		23:55	276	
2025 Jan 07 (Tue)	12:01	80		18:24	85S				
2025 Jan 08 (Wed)	12:43	74		19:15	90N		00:52	283	
2025 Jan 09 (Thu)	13:29	68		20:09	85N		01:51	289	
2025 Jan 10 (Fri)	14:20	64		21:07	81N		02:53	295	
2025 Jan 11 (Sat)	15:16	61		22:08	79N		03:58	298	
2025 Jan 12 (Sun)	16:17	60		23:10	79N		05:01	300	
2025 Jan 13 (Mon)	17:19	62					06:02	299	
2025 Jan 14 (Tue)	18:20	65		00:09	80N		06:56	297	
2025 Jan 15 (Wed)	19:18	69		01:04	84N		07:45	293	
2025 Jan 16 (Thu)	20:12	75		01:55	89N		08:27	288	
2025 Jan 17 (Fri)	21:02	81		02:40	87S		09:05	282	
2025 Jan 18 (Sat)	21:50	87		03:23	82S		09:40	276	
2025 Jan 19 (Sun)	22:37	93		04:03	76S		10:13	270	
2025 Jan 20 (Mon)	23:23	99		04:42	70S		10:45	264	
2025 Jan 21 (Tue)				05:22	64S		11:18	258	
2025 Jan 22 (Wed)	00:10	105		06:03	59S		11:52	253	
2025 Jan 23 (Thu)	00:59	110		06:46	54S		12:30	248	
2025 Jan 24 (Fri)	01:51	114		07:33	50S		13:13	244	
2025 Jan 25 (Sat)	02:46	118		08:24	47S		14:00	241	

2025	Jan	26	(Sun)	03:43	120	09:18	45S	14:54	240
2025	Jan	27	(Mon)	04:40	120	10:16	45S	15:52	241
2025	Jan	28	(Tue)	05:35	118	11:13	47S	16:53	243
2025	Jan	29	(Wed)	06:28	115	12:10	51S	17:55	247
2025	Jan	30	(Thu)	07:16	110	13:04	56S	18:56	253
2025	Jan	31	(Fri)	08:00	104	13:55	62S	19:55	259
2025	Feb	01	(Sat)	08:41	97	14:45	69S	20:52	267
2025	Feb	02	(Sun)	09:21	90	15:33	76S	21:49	274
2025	Feb	03	(Mon)	10:01	82	16:22	83S	22:47	281
2025	Feb	04	(Tue)	10:42	75	17:12	90S	23:46	288
2025	Feb	05	(Wed)	11:27	69	18:05	86N		
2025	Feb	06	(Thu)	12:16	65	19:01	82N	00:47	293
2025	Feb	07	(Fri)	13:10	61	20:00	79N	01:50	297
2025	Feb	08	(Sat)	14:08	60	21:01	78N	02:53	300
2025	Feb	09	(Sun)	15:08	61	21:59	79N	03:53	300
2025	Feb	10	(Mon)	16:09	63	22:55	82N	04:49	298
2025	Feb	11	(Tue)	17:07	67	23:47	87N	05:38	295
2025	Feb	12	(Wed)	18:02	72			06:22	290
2025	Feb	13	(Thu)	18:53	78	00:34	90S	07:02	285
2025	Feb	14	(Fri)	19:42	84	01:17	84S	07:37	279
2025	Feb	15	(Sat)	20:29	91	01:58	78S	08:11	272
2025	Feb	16	(Sun)	21:16	97	02:38	72S	08:43	266
2025	Feb	17	(Mon)	22:03	103	03:18	66S	09:16	260
2025	Feb	18	(Tue)	22:51	108	03:58	60S	09:50	255
2025	Feb	19	(Wed)	23:42	113	04:40	55S	10:26	250
2025	Feb	20	(Thu)			05:25	51S	11:06	245
2025	Feb	21	(Fri)	00:34	116	06:13	48S	11:51	242
2025	Feb	22	(Sat)	01:29	119	07:05	46S	12:41	240
2025	Feb	23	(Sun)	02:26	120	08:01	45S	13:36	240
2025	Feb	24	(Mon)	03:21	119	08:57	46S	14:35	242
2025	Feb	25	(Tue)	04:14	117	09:54	49S	15:36	245
2025	Feb	26	(Wed)	05:04	113	10:49	53S	16:38	250
2025	Feb	27	(Thu)	05:50	107	11:42	59S	17:38	256
2025	Feb	28	(Fri)	06:34	100	12:34	66S	18:38	263
2025	Mar	01	(Sat)	07:15	93	13:24	73S	19:37	271
2025	Mar	02	(Sun)	07:56	85	14:14	81S	20:36	279
2025	Mar	03	(Mon)	08:38	78	15:05	88S	21:37	286
2025	Mar	04	(Tue)	09:23	71	15:59	87N	22:39	292
2025	Mar	05	(Wed)	10:12	66	16:56	83N	23:43	296
2025	Mar	06	(Thu)	11:05	62	17:55	79N		
2025	Mar	07	(Fri)	12:03	60	18:55	78N	00:47	299
2025	Mar	08	(Sat)	13:02	60	19:54	79N	01:48	300
2025	Mar	09	(Sun)	14:02	62	20:51	81N	02:45	299
2025	Mar	10	(Mon)	15:01	66	21:42	85N	03:36	296
2025	Mar	11	(Tue)	15:56	71	22:30	90N	04:21	292
2025	Mar	12	(Wed)	16:48	76	23:14	86S	05:01	287
2025	Mar	13	(Thu)	17:37	82	23:56	80S	05:37	281
2025	Mar	14	(Fri)	18:24	88			06:11	275
2025	Mar	15	(Sat)	19:11	95	00:36	74S	06:43	269
2025	Mar	16	(Sun)	19:58	101	01:15	68S	07:16	262
2025	Mar	17	(Mon)	20:45	106	01:55	62S	07:49	257
2025	Mar	18	(Tue)	21:35	111	02:36	57S	08:24	251
2025	Mar	19	(Wed)	22:26	115	03:20	53S	09:03	247
2025	Mar	20	(Thu)	23:20	118	04:07	49S	09:45	243
2025	Mar	21	(Fri)			04:57	46S	10:32	241
2025	Mar	22	(Sat)	00:15	120	05:50	45S	11:24	240
2025	Mar	23	(Sun)	01:09	120	06:44	45S	12:20	241
2025	Mar	24	(Mon)	02:02	118	07:40	47S	13:19	243
2025	Mar	25	(Tue)	02:52	115	08:34	51S	14:19	247
2025	Mar	26	(Wed)	03:39	110	09:27	56S	15:19	253
2025	Mar	27	(Thu)	04:23	104	10:19	62S	16:18	259
2025	Mar	28	(Fri)	05:05	97	11:09	69S	17:17	267
2025	Mar	29	(Sat)	05:46	89	11:59	77S	18:17	275
2025	Mar	30	(Sun)	06:29	81	12:51	84S	19:19	282
2025	Mar	31	(Mon)	07:14	74	13:46	90N	20:22	289
2025	Apr	01	(Tue)	08:02	68	14:43	85N	21:28	295
2025	Apr	02	(Wed)	08:56	63	15:44	80N	22:35	298
2025	Apr	03	(Thu)	09:54	61	16:46	78N	23:40	300
2025	Apr	04	(Fri)	10:55	60	17:48	78N		
2025	Apr	05	(Sat)	11:56	62	18:46	80N	00:40	299
2025	Apr	06	(Sun)	12:56	65	19:40	84N	01:33	297
2025	Apr	07	(Mon)	13:52	69	20:29	88N	02:20	293

2025 Apr 08 (Tue)	14:44 74	21:13 88S	03:02 288
2025 Apr 09 (Wed)	15:34 80	21:55 82S	03:39 283
2025 Apr 10 (Thu)	16:21 86	22:35 76S	04:13 277
2025 Apr 11 (Fri)	17:08 92	23:14 70S	04:45 271
2025 Apr 12 (Sat)	17:54 99	23:54 64S	05:17 265
2025 Apr 13 (Sun)	18:41 104		05:50 259
2025 Apr 14 (Mon)	19:30 109	00:34 59S	06:25 253
2025 Apr 15 (Tue)	20:21 114	01:17 54S	07:02 248
2025 Apr 16 (Wed)	21:14 117	02:03 50S	07:43 244
2025 Apr 17 (Thu)	22:08 119	02:52 47S	08:28 242
2025 Apr 18 (Fri)	23:02 120	03:44 45S	09:18 240
2025 Apr 19 (Sat)	23:55 119	04:37 45S	10:12 240
2025 Apr 20 (Sun)		05:31 46S	11:09 242
2025 Apr 21 (Mon)	00:45 116	06:24 49S	12:06 245
2025 Apr 22 (Tue)	01:31 112	07:16 54S	13:04 250
2025 Apr 23 (Wed)	02:15 107	08:07 59S	14:02 256
2025 Apr 24 (Thu)	02:56 100	08:56 66S	14:59 263
2025 Apr 25 (Fri)	03:37 93	09:45 73S	15:57 271
2025 Apr 26 (Sat)	04:18 85	10:35 80S	16:57 278
2025 Apr 27 (Sun)	05:01 78	11:28 88S	18:00 286
2025 Apr 28 (Mon)	05:48 71	12:25 87N	19:06 292
2025 Apr 29 (Tue)	06:40 66	13:25 82N	20:14 297
2025 Apr 30 (Wed)	07:38 62	14:29 79N	21:23 299
2025 May 01 (Thu)	08:40 60	15:34 78N	22:27 300
2025 May 02 (Fri)	09:44 61	16:36 80N	23:25 298
2025 May 03 (Sat)	10:46 63	17:33 82N	
2025 May 04 (Sun)	11:45 68	18:25 87N	00:16 294
2025 May 05 (Mon)	12:40 73	19:11 90S	01:00 290
2025 May 06 (Tue)	13:31 78	19:54 84S	01:39 284
2025 May 07 (Wed)	14:19 84	20:35 78S	02:14 279
2025 May 08 (Thu)	15:05 91	21:14 72S	02:47 272
2025 May 09 (Fri)	15:52 97	21:53 66S	03:19 266
2025 May 10 (Sat)	16:38 102	22:33 61S	03:52 260
2025 May 11 (Sun)	17:27 108	23:16 56S	04:26 255
2025 May 12 (Mon)	18:17 112		05:02 250
2025 May 13 (Tue)	19:09 116	00:01 51S	05:42 246
2025 May 14 (Wed)	20:03 119	00:49 48S	06:26 242
2025 May 15 (Thu)	20:58 120	01:40 46S	07:15 241
2025 May 16 (Fri)	21:51 119	02:33 45S	08:08 240
2025 May 17 (Sat)	22:41 117	03:27 46S	09:03 241
2025 May 18 (Sun)	23:28 114	04:20 48S	10:00 244
2025 May 19 (Mon)		05:11 52S	10:57 249
2025 May 20 (Tue)	00:11 109	06:00 57S	11:53 254
2025 May 21 (Wed)	00:52 103	06:48 63S	12:48 260
2025 May 22 (Thu)	01:31 96	07:35 70S	13:44 268
2025 May 23 (Fri)	02:10 89	08:23 77S	14:41 275
2025 May 24 (Sat)	02:51 81	09:13 84S	15:40 282
2025 May 25 (Sun)	03:35 74	10:07 90N	16:43 289
2025 May 26 (Mon)	04:24 68	11:05 85N	17:50 295
2025 May 27 (Tue)	05:19 64	12:08 81N	18:59 298
2025 May 28 (Wed)	06:20 61	13:13 79N	20:07 300
2025 May 29 (Thu)	07:25 60	14:18 79N	21:10 299
2025 May 30 (Fri)	08:30 62	15:19 81N	22:06 296
2025 May 31 (Sat)	09:33 66	16:15 85N	22:54 292
2025 Jun 01 (Sun)	10:31 71	17:05 90N	23:36 286
2025 Jun 02 (Mon)	11:24 76	17:51 86S	
2025 Jun 03 (Tue)	12:14 82	18:33 80S	00:13 281
2025 Jun 04 (Wed)	13:02 89	19:13 74S	00:48 274
2025 Jun 05 (Thu)	13:48 95	19:52 68S	01:20 268
2025 Jun 06 (Fri)	14:35 101	20:32 62S	01:52 262
2025 Jun 07 (Sat)	15:22 106	21:13 57S	02:26 257
2025 Jun 08 (Sun)	16:12 111	21:57 53S	03:01 251
2025 Jun 09 (Mon)	17:04 115	22:44 49S	03:40 247
2025 Jun 10 (Tue)	17:58 118	23:35 46S	04:23 243
2025 Jun 11 (Wed)	18:53 120		05:11 241
2025 Jun 12 (Thu)	19:47 120	00:28 45S	06:03 240
2025 Jun 13 (Fri)	20:38 118	01:22 46S	06:58 241
2025 Jun 14 (Sat)	21:26 115	02:16 48S	07:55 243
2025 Jun 15 (Sun)	22:11 110	03:08 51S	08:52 247
2025 Jun 16 (Mon)	22:52 104	03:58 56S	09:49 252
2025 Jun 17 (Tue)	23:30 98	04:46 61S	10:43 259
2025 Jun 18 (Wed)		05:32 68S	11:38 265

2025 Jun 19 (Thu)	00:09 91	06:18 75S	12:32 272
2025 Jun 20 (Fri)	00:47 84	07:06 82S	13:29 280
2025 Jun 21 (Sat)	01:28 77	07:56 88S	14:28 286
2025 Jun 22 (Sun)	02:13 71	08:50 87N	15:31 292
2025 Jun 23 (Mon)	03:04 65	09:49 82N	16:38 297
2025 Jun 24 (Tue)	04:01 62	10:53 79N	17:46 299
2025 Jun 25 (Wed)	05:04 60	11:58 78N	18:51 299
2025 Jun 26 (Thu)	06:10 61	13:01 80N	19:51 297
2025 Jun 27 (Fri)	07:15 64	14:01 83N	20:43 294
2025 Jun 28 (Sat)	08:16 69	14:55 88N	21:29 289
2025 Jun 29 (Sun)	09:13 74	15:43 88S	22:09 283
2025 Jun 30 (Mon)	10:05 80	16:27 82S	22:45 277
2025 Jul 01 (Tue)	10:55 86	17:09 76S	23:19 270
2025 Jul 02 (Wed)	11:42 93	17:49 70S	23:52 264
2025 Jul 03 (Thu)	12:29 99	18:29 64S	
2025 Jul 04 (Fri)	13:17 104	19:10 59S	00:25 258
2025 Jul 05 (Sat)	14:06 110	19:53 54S	01:00 253
2025 Jul 06 (Sun)	14:57 114	20:39 50S	01:37 248
2025 Jul 07 (Mon)	15:50 117	21:28 47S	02:19 244
2025 Jul 08 (Tue)	16:45 119	22:20 46S	03:05 242
2025 Jul 09 (Wed)	17:40 120	23:15 45S	03:55 240
2025 Jul 10 (Thu)	18:33 119		04:50 241
2025 Jul 11 (Fri)	19:23 116	00:09 47S	05:48 242
2025 Jul 12 (Sat)	20:09 112	01:03 50S	06:46 246
2025 Jul 13 (Sun)	20:51 106	01:54 54S	07:43 251
2025 Jul 14 (Mon)	21:31 100	02:43 60S	08:39 257
2025 Jul 15 (Tue)	22:09 93	03:31 66S	09:34 263
2025 Jul 16 (Wed)	22:47 86	04:17 73S	10:28 271
2025 Jul 17 (Thu)	23:27 79	05:03 80S	11:23 278
2025 Jul 18 (Fri)		05:52 87S	12:21 284
2025 Jul 19 (Sat)	00:09 73	06:43 89N	13:21 291
2025 Jul 20 (Sun)	00:57 67	07:39 84N	14:25 295
2025 Jul 21 (Mon)	01:50 63	08:39 80N	15:30 299
2025 Jul 22 (Tue)	02:49 61	09:42 78N	16:35 300
2025 Jul 23 (Wed)	03:52 60	10:45 79N	17:37 299
2025 Jul 24 (Thu)	04:57 63	11:46 81N	18:32 296
2025 Jul 25 (Fri)	06:00 66	12:42 86N	19:20 291
2025 Jul 26 (Sat)	06:59 71	13:33 91S	20:03 285
2025 Jul 27 (Sun)	07:54 77	14:19 85S	20:41 279
2025 Jul 28 (Mon)	08:45 84	15:03 79S	21:16 273
2025 Jul 29 (Tue)	09:34 90	15:44 72S	21:49 267
2025 Jul 30 (Wed)	10:22 96	16:24 66S	22:23 261
2025 Jul 31 (Thu)	11:09 102	17:05 61S	22:57 255
2025 Aug 01 (Fri)	11:58 108	17:47 56S	23:33 250
2025 Aug 02 (Sat)	12:48 112	18:32 51S	
2025 Aug 03 (Sun)	13:40 116	19:20 48S	00:13 246
2025 Aug 04 (Mon)	14:35 119	20:11 46S	00:57 242
2025 Aug 05 (Tue)	15:29 120	21:04 45S	01:46 241
2025 Aug 06 (Wed)	16:23 119	21:59 46S	02:39 240
2025 Aug 07 (Thu)	17:15 117	22:54 48S	03:36 241
2025 Aug 08 (Fri)	18:03 113	23:47 52S	04:35 244
2025 Aug 09 (Sat)	18:47 108		05:33 249
2025 Aug 10 (Sun)	19:29 102	00:37 58S	06:31 255
2025 Aug 11 (Mon)	20:08 95	01:26 64S	07:27 261
2025 Aug 12 (Tue)	20:47 88	02:13 71S	08:23 268
2025 Aug 13 (Wed)	21:27 81	03:01 78S	09:18 276
2025 Aug 14 (Thu)	22:09 74	03:49 85S	10:16 283
2025 Aug 15 (Fri)	22:54 68	04:40 90N	11:15 289
2025 Aug 16 (Sat)	23:45 64	05:34 85N	12:18 294
2025 Aug 17 (Sun)		06:32 81N	13:22 298
2025 Aug 18 (Mon)	00:41 61	07:33 79N	14:26 300
2025 Aug 19 (Tue)	01:42 60	08:35 78N	15:28 299
2025 Aug 20 (Wed)	02:45 61	09:36 80N	16:24 297
2025 Aug 21 (Thu)	03:47 65	10:32 84N	17:14 293
2025 Aug 22 (Fri)	04:47 69	11:24 88N	17:58 288
2025 Aug 23 (Sat)	05:43 75	12:12 87S	18:37 282
2025 Aug 24 (Sun)	06:36 81	12:56 81S	19:13 276
2025 Aug 25 (Mon)	07:25 87	13:38 75S	19:47 269
2025 Aug 26 (Tue)	08:14 94	14:19 69S	20:21 263
2025 Aug 27 (Wed)	09:02 100	15:00 63S	20:55 257
2025 Aug 28 (Thu)	09:50 106	15:42 58S	21:30 252
2025 Aug 29 (Fri)	10:40 111	16:25 53S	22:08 247

2025 Aug 30 (Sat)	11:31 115	17:12 49S	22:50 244
2025 Aug 31 (Sun)	12:24 118	18:01 47S	23:37 241
2025 Sep 01 (Mon)	13:18 120	18:53 45S	
2025 Sep 02 (Tue)	14:12 120	19:47 45S	00:28 240
2025 Sep 03 (Wed)	15:04 118	20:41 47S	01:22 241
2025 Sep 04 (Thu)	15:53 115	21:35 50S	02:20 243
2025 Sep 05 (Fri)	16:39 111	22:26 55S	03:18 247
2025 Sep 06 (Sat)	17:22 105	23:16 61S	04:16 252
2025 Sep 07 (Sun)	18:03 98		05:14 258
2025 Sep 08 (Mon)	18:43 91	00:05 68S	06:11 265
2025 Sep 09 (Tue)	19:23 84	00:53 75S	07:08 273
2025 Sep 10 (Wed)	20:05 77	01:43 82S	08:06 280
2025 Sep 11 (Thu)	20:51 70	02:34 89S	09:07 287
2025 Sep 12 (Fri)	21:41 65	03:28 87N	10:10 293
2025 Sep 13 (Sat)	22:36 62	04:26 82N	11:15 297
2025 Sep 14 (Sun)	23:36 60	05:27 79N	12:20 299
2025 Sep 15 (Mon)		06:29 78N	13:22 300
2025 Sep 16 (Tue)	00:38 61	07:30 79N	14:20 298
2025 Sep 17 (Wed)	01:40 63	08:27 82N	15:11 295
2025 Sep 18 (Thu)	02:40 67	09:20 87N	15:56 290
2025 Sep 19 (Fri)	03:36 73	10:08 89S	16:36 284
2025 Sep 20 (Sat)	04:29 79	10:52 84S	17:12 278
2025 Sep 21 (Sun)	05:19 85	11:35 77S	17:47 272
2025 Sep 22 (Mon)	06:07 91	12:15 71S	18:20 265
2025 Sep 23 (Tue)	06:55 98	12:56 65S	18:54 259
2025 Sep 24 (Wed)	07:43 104	13:37 60S	19:28 254
2025 Sep 25 (Thu)	08:33 109	14:20 55S	20:06 249
2025 Sep 26 (Fri)	09:23 113	15:06 51S	20:46 245
2025 Sep 27 (Sat)	10:16 117	15:54 47S	21:30 242
2025 Sep 28 (Sun)	11:09 119	16:44 46S	22:19 240
2025 Sep 29 (Mon)	12:02 120	17:37 45S	23:11 240
2025 Sep 30 (Tue)	12:54 119	18:30 46S	
2025 Oct 01 (Wed)	13:44 117	19:22 49S	00:06 242
2025 Oct 02 (Thu)	14:30 113	20:14 53S	01:03 245
2025 Oct 03 (Fri)	15:14 108	21:04 58S	02:00 249
2025 Oct 04 (Sat)	15:55 102	21:52 64S	02:57 255
2025 Oct 05 (Sun)	16:35 95	22:41 71S	03:54 262
2025 Oct 06 (Mon)	17:15 87	23:30 79S	04:51 269
2025 Oct 07 (Tue)	17:57 80		05:50 276
2025 Oct 08 (Wed)	18:42 73	00:21 86S	06:51 284
2025 Oct 09 (Thu)	19:32 67	01:16 89N	07:55 290
2025 Oct 10 (Fri)	20:27 63	02:15 84N	09:01 296
2025 Oct 11 (Sat)	21:28 60	03:17 80N	10:09 299
2025 Oct 12 (Sun)	22:31 60	04:21 78N	11:14 300
2025 Oct 13 (Mon)	23:34 62	05:24 79N	12:15 299
2025 Oct 14 (Tue)		06:23 81N	13:08 296
2025 Oct 15 (Wed)	00:35 66	07:17 85N	13:55 291
2025 Oct 16 (Thu)	01:32 71	08:06 90N	14:36 286
2025 Oct 17 (Fri)	02:25 77	08:51 85S	15:13 280
2025 Oct 18 (Sat)	03:15 83	09:34 79S	15:48 274
2025 Oct 19 (Sun)	04:04 89	10:14 73S	16:21 268
2025 Oct 20 (Mon)	04:51 96	10:54 67S	16:54 261
2025 Oct 21 (Tue)	05:39 102	11:35 62S	17:28 256
2025 Oct 22 (Wed)	06:27 107	12:18 56S	18:05 251
2025 Oct 23 (Thu)	07:18 112	13:02 52S	18:44 246
2025 Oct 24 (Fri)	08:09 116	13:49 48S	19:27 243
2025 Oct 25 (Sat)	09:02 118	14:39 46S	20:14 241
2025 Oct 26 (Sun)	09:55 120	15:30 45S	21:04 240
2025 Oct 27 (Mon)	10:47 120	16:22 46S	21:58 241
2025 Oct 28 (Tue)	11:37 118	17:14 48S	22:53 243
2025 Oct 29 (Wed)	12:23 115	18:04 51S	23:48 247
2025 Oct 30 (Thu)	13:06 110	18:53 56S	
2025 Oct 31 (Fri)	13:47 105	19:41 61S	00:43 252
2025 Nov 01 (Sat)	14:26 98	20:28 68S	01:38 258
2025 Nov 02 (Sun)	15:06 91	21:16 75S	02:33 265
2025 Nov 03 (Mon)	15:46 84	22:05 82S	03:30 273
2025 Nov 04 (Tue)	16:29 77	22:58 89S	04:29 280
2025 Nov 05 (Wed)	17:17 70	23:56 86N	05:32 287
2025 Nov 06 (Thu)	18:11 65		06:38 293
2025 Nov 07 (Fri)	19:11 61	00:58 82N	07:48 297
2025 Nov 08 (Sat)	20:16 60	02:04 79N	08:57 299
2025 Nov 09 (Sun)	21:22 62	03:10 79N	10:03 299

2025 Nov 10 (Mon)	22:26 65	04:13 80N	11:01 297
2025 Nov 11 (Tue)	23:26 70	05:11 84N	11:52 293
2025 Nov 12 (Wed)		06:03 89N	12:35 288
2025 Nov 13 (Thu)	00:21 75	06:50 87S	13:14 282
2025 Nov 14 (Fri)	01:13 81	07:33 81S	13:50 276
2025 Nov 15 (Sat)	02:01 87	08:14 75S	14:23 269
2025 Nov 16 (Sun)	02:49 94	08:54 69S	14:56 263
2025 Nov 17 (Mon)	03:36 100	09:34 63S	15:30 258
2025 Nov 18 (Tue)	04:24 105	10:16 58S	16:05 252
2025 Nov 19 (Wed)	05:13 110	11:00 53S	16:43 248
2025 Nov 20 (Thu)	06:05 114	11:46 50S	17:25 244
2025 Nov 21 (Fri)	06:57 118	12:35 47S	18:11 242
2025 Nov 22 (Sat)	07:50 119	13:26 46S	19:01 240
2025 Nov 23 (Sun)	08:43 120	14:18 46S	19:53 241
2025 Nov 24 (Mon)	09:33 118	15:09 47S	20:47 243
2025 Nov 25 (Tue)	10:20 116	16:00 50S	21:42 246
2025 Nov 26 (Wed)	11:03 112	16:48 54S	22:36 251
2025 Nov 27 (Thu)	11:44 107	17:35 59S	23:29 256
2025 Nov 28 (Fri)	12:22 101	18:20 65S	
2025 Nov 29 (Sat)	13:00 94	19:06 72S	00:22 262
2025 Nov 30 (Sun)	13:38 87	19:52 79S	01:16 269
2025 Dec 01 (Mon)	14:18 80	20:42 86S	02:11 276
2025 Dec 02 (Tue)	15:02 73	21:35 89N	03:10 284
2025 Dec 03 (Wed)	15:52 67	22:35 84N	04:13 290
2025 Dec 04 (Thu)	16:49 63	23:39 80N	05:21 295
2025 Dec 05 (Fri)	17:53 61		06:31 299
2025 Dec 06 (Sat)	19:00 61	00:46 79N	07:41 300
2025 Dec 07 (Sun)	20:08 63	01:53 79N	08:44 298
2025 Dec 08 (Mon)	21:12 68	02:56 82N	09:41 295
2025 Dec 09 (Tue)	22:11 73	03:53 87N	10:29 290
2025 Dec 10 (Wed)	23:06 79	04:43 89S	11:11 284
2025 Dec 11 (Thu)	23:57 86	05:29 83S	11:49 278
2025 Dec 12 (Fri)		06:12 77S	12:23 271
2025 Dec 13 (Sat)	00:45 92	06:53 71S	12:57 265
2025 Dec 14 (Sun)	01:33 98	07:33 65S	13:30 259
2025 Dec 15 (Mon)	02:21 104	08:14 59S	14:05 254
2025 Dec 16 (Tue)	03:09 109	08:57 55S	14:42 249
2025 Dec 17 (Wed)	04:00 113	09:43 51S	15:23 245
2025 Dec 18 (Thu)	04:52 117	10:31 48S	16:08 242
2025 Dec 19 (Fri)	05:45 119	11:21 46S	16:56 241
2025 Dec 20 (Sat)	06:38 120	12:13 45S	17:49 241
2025 Dec 21 (Sun)	07:30 119	13:06 47S	18:43 242
2025 Dec 22 (Mon)	08:18 116	13:57 49S	19:38 245
2025 Dec 23 (Tue)	09:02 113	14:46 53S	20:32 249
2025 Dec 24 (Wed)	09:44 108	15:33 58S	21:25 255
2025 Dec 25 (Thu)	10:22 102	16:18 63S	22:18 261
2025 Dec 26 (Fri)	10:59 96	17:02 70S	23:10 267
2025 Dec 27 (Sat)	11:36 89	17:47 76S	
2025 Dec 28 (Sun)	12:13 83	18:33 83S	00:02 274
2025 Dec 29 (Mon)	12:54 76	19:23 89S	00:58 281
2025 Dec 30 (Tue)	13:39 70	20:17 86N	01:56 287
2025 Dec 31 (Wed)	14:31 65	21:17 82N	03:00 293