

Sun

Chanthaburi

Location: E102°07'22.8", N12°36'35.9", 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)	05:44	06:33	113	12:15 55S	17:57	247	18:47
2025	Jan	02 (Thu)	05:44	06:33	113	12:16 55S	17:58	247	18:47
2025	Jan	03 (Fri)	05:44	06:34	113	12:16 55S	17:58	247	18:48
2025	Jan	04 (Sat)	05:45	06:34	113	12:16 55S	17:59	247	18:48
2025	Jan	05 (Sun)	05:45	06:34	113	12:17 56S	17:59	247	18:49
2025	Jan	06 (Mon)	05:46	06:35	113	12:17 56S	18:00	247	18:49
2025	Jan	07 (Tue)	05:46	06:35	113	12:18 56S	18:01	247	18:50
2025	Jan	08 (Wed)	05:46	06:35	113	12:18 56S	18:01	247	18:50
2025	Jan	09 (Thu)	05:47	06:36	112	12:19 56S	18:02	248	18:51
2025	Jan	10 (Fri)	05:47	06:36	112	12:19 56S	18:02	248	18:51
2025	Jan	11 (Sat)	05:47	06:36	112	12:19 56S	18:03	248	18:52
2025	Jan	12 (Sun)	05:47	06:36	112	12:20 56S	18:03	248	18:52
2025	Jan	13 (Mon)	05:48	06:37	112	12:20 57S	18:04	248	18:53
2025	Jan	14 (Tue)	05:48	06:37	112	12:21 57S	18:04	248	18:53
2025	Jan	15 (Wed)	05:48	06:37	111	12:21 57S	18:05	249	18:54
2025	Jan	16 (Thu)	05:48	06:37	111	12:21 57S	18:05	249	18:54
2025	Jan	17 (Fri)	05:49	06:37	111	12:22 57S	18:06	249	18:55
2025	Jan	18 (Sat)	05:49	06:37	111	12:22 58S	18:07	249	18:55
2025	Jan	19 (Sun)	05:49	06:37	111	12:22 58S	18:07	249	18:56
2025	Jan	20 (Mon)	05:49	06:38	110	12:23 58S	18:08	250	18:56
2025	Jan	21 (Tue)	05:49	06:38	110	12:23 58S	18:08	250	18:56
2025	Jan	22 (Wed)	05:49	06:38	110	12:23 58S	18:09	250	18:57
2025	Jan	23 (Thu)	05:49	06:38	110	12:23 59S	18:09	250	18:57
2025	Jan	24 (Fri)	05:50	06:38	109	12:24 59S	18:09	251	18:58
2025	Jan	25 (Sat)	05:50	06:38	109	12:24 59S	18:10	251	18:58
2025	Jan	26 (Sun)	05:50	06:38	109	12:24 59S	18:10	251	18:58
2025	Jan	27 (Mon)	05:50	06:38	109	12:24 60S	18:11	251	18:59
2025	Jan	28 (Tue)	05:50	06:38	108	12:24 60S	18:11	252	18:59
2025	Jan	29 (Wed)	05:50	06:38	108	12:25 60S	18:12	252	19:00
2025	Jan	30 (Thu)	05:50	06:37	108	12:25 61S	18:12	252	19:00
2025	Jan	31 (Fri)	05:50	06:37	108	12:25 61S	18:13	253	19:00
2025	Feb	01 (Sat)	05:50	06:37	107	12:25 61S	18:13	253	19:01
2025	Feb	02 (Sun)	05:50	06:37	107	12:25 61S	18:13	253	19:01
2025	Feb	03 (Mon)	05:49	06:37	107	12:25 62S	18:14	253	19:01
2025	Feb	04 (Tue)	05:49	06:37	106	12:25 62S	18:14	254	19:02
2025	Feb	05 (Wed)	05:49	06:37	106	12:25 62S	18:15	254	19:02
2025	Feb	06 (Thu)	05:49	06:36	106	12:26 63S	18:15	254	19:02
2025	Feb	07 (Fri)	05:49	06:36	105	12:26 63S	18:15	255	19:02
2025	Feb	08 (Sat)	05:49	06:36	105	12:26 63S	18:16	255	19:03
2025	Feb	09 (Sun)	05:48	06:36	105	12:26 64S	18:16	255	19:03
2025	Feb	10 (Mon)	05:48	06:35	105	12:26 64S	18:16	256	19:03
2025	Feb	11 (Tue)	05:48	06:35	104	12:26 64S	18:17	256	19:04
2025	Feb	12 (Wed)	05:48	06:35	104	12:26 64S	18:17	256	19:04
2025	Feb	13 (Thu)	05:48	06:34	103	12:26 65S	18:17	257	19:04
2025	Feb	14 (Fri)	05:47	06:34	103	12:26 65S	18:17	257	19:04
2025	Feb	15 (Sat)	05:47	06:34	103	12:26 66S	18:18	257	19:04
2025	Feb	16 (Sun)	05:47	06:33	102	12:26 66S	18:18	258	19:05
2025	Feb	17 (Mon)	05:46	06:33	102	12:25 66S	18:18	258	19:05
2025	Feb	18 (Tue)	05:46	06:32	102	12:25 67S	18:18	258	19:05
2025	Feb	19 (Wed)	05:46	06:32	101	12:25 67S	18:19	259	19:05
2025	Feb	20 (Thu)	05:45	06:32	101	12:25 67S	18:19	259	19:05
2025	Feb	21 (Fri)	05:45	06:31	101	12:25 68S	18:19	260	19:06
2025	Feb	22 (Sat)	05:44	06:31	100	12:25 68S	18:19	260	19:06
2025	Feb	23 (Sun)	05:44	06:30	100	12:25 68S	18:20	260	19:06
2025	Feb	24 (Mon)	05:44	06:30	100	12:25 69S	18:20	261	19:06
2025	Feb	25 (Tue)	05:43	06:29	99	12:25 69S	18:20	261	19:06
2025	Feb	26 (Wed)	05:43	06:29	99	12:24 69S	18:20	261	19:06
2025	Feb	27 (Thu)	05:42	06:28	98	12:24 70S	18:20	262	19:06
2025	Feb	28 (Fri)	05:42	06:28	98	12:24 70S	18:20	262	19:06
2025	Mar	01 (Sat)	05:41	06:27	98	12:24 71S	18:21	263	19:07

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

2025	May	13	(Tue)	04:58	05:47	71	12:08	85N	18:29	289	19:18
2025	May	14	(Wed)	04:58	05:47	71	12:08	85N	18:29	289	19:18
2025	May	15	(Thu)	04:58	05:47	70	12:08	84N	18:29	290	19:18
2025	May	16	(Fri)	04:57	05:47	70	12:08	84N	18:29	290	19:19
2025	May	17	(Sat)	04:57	05:46	70	12:08	84N	18:30	290	19:19
2025	May	18	(Sun)	04:57	05:46	70	12:08	84N	18:30	290	19:19
2025	May	19	(Mon)	04:57	05:46	70	12:08	83N	18:30	291	19:20
2025	May	20	(Tue)	04:56	05:46	69	12:08	83N	18:30	291	19:20
2025	May	21	(Wed)	04:56	05:46	69	12:08	83N	18:31	291	19:20
2025	May	22	(Thu)	04:56	05:45	69	12:08	83N	18:31	291	19:21
2025	May	23	(Fri)	04:56	05:45	69	12:08	83N	18:31	291	19:21
2025	May	24	(Sat)	04:55	05:45	68	12:08	83N	18:32	292	19:21
2025	May	25	(Sun)	04:55	05:45	68	12:08	82N	18:32	292	19:22
2025	May	26	(Mon)	04:55	05:45	68	12:09	82N	18:32	292	19:22
2025	May	27	(Tue)	04:55	05:45	68	12:09	82N	18:32	292	19:22
2025	May	28	(Wed)	04:55	05:45	68	12:09	82N	18:33	292	19:23
2025	May	29	(Thu)	04:55	05:45	68	12:09	82N	18:33	292	19:23
2025	May	30	(Fri)	04:55	05:45	67	12:09	82N	18:33	293	19:24
2025	May	31	(Sat)	04:55	05:45	67	12:09	81N	18:34	293	19:24
2025	Jun	01	(Sun)	04:55	05:45	67	12:09	81N	18:34	293	19:24
2025	Jun	02	(Mon)	04:55	05:45	67	12:10	81N	18:34	293	19:25
2025	Jun	03	(Tue)	04:54	05:45	67	12:10	81N	18:35	293	19:25
2025	Jun	04	(Wed)	04:54	05:45	67	12:10	81N	18:35	293	19:25
2025	Jun	05	(Thu)	04:54	05:45	67	12:10	81N	18:35	293	19:26
2025	Jun	06	(Fri)	04:55	05:45	67	12:10	81N	18:35	294	19:26
2025	Jun	07	(Sat)	04:55	05:45	66	12:10	81N	18:36	294	19:26
2025	Jun	08	(Sun)	04:55	05:45	66	12:11	80N	18:36	294	19:27
2025	Jun	09	(Mon)	04:55	05:45	66	12:11	80N	18:36	294	19:27
2025	Jun	10	(Tue)	04:55	05:45	66	12:11	80N	18:37	294	19:27
2025	Jun	11	(Wed)	04:55	05:46	66	12:11	80N	18:37	294	19:28
2025	Jun	12	(Thu)	04:55	05:46	66	12:11	80N	18:37	294	19:28
2025	Jun	13	(Fri)	04:55	05:46	66	12:12	80N	18:37	294	19:28
2025	Jun	14	(Sat)	04:55	05:46	66	12:12	80N	18:38	294	19:28
2025	Jun	15	(Sun)	04:55	05:46	66	12:12	80N	18:38	294	19:29
2025	Jun	16	(Mon)	04:55	05:46	66	12:12	80N	18:38	294	19:29
2025	Jun	17	(Tue)	04:56	05:46	66	12:12	80N	18:38	294	19:29
2025	Jun	18	(Wed)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2025	Jun	19	(Thu)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2025	Jun	20	(Fri)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2025	Jun	21	(Sat)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2025	Jun	22	(Sun)	04:57	05:48	66	12:14	80N	18:40	294	19:30
2025	Jun	23	(Mon)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2025	Jun	24	(Tue)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2025	Jun	25	(Wed)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2025	Jun	26	(Thu)	04:58	05:48	66	12:14	80N	18:40	294	19:31
2025	Jun	27	(Fri)	04:58	05:49	66	12:15	80N	18:40	294	19:31
2025	Jun	28	(Sat)	04:58	05:49	66	12:15	80N	18:41	294	19:31
2025	Jun	29	(Sun)	04:58	05:49	66	12:15	80N	18:41	294	19:32
2025	Jun	30	(Mon)	04:59	05:49	66	12:15	80N	18:41	294	19:32
2025	Jul	01	(Tue)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2025	Jul	02	(Wed)	04:59	05:50	66	12:16	80N	18:41	294	19:32
2025	Jul	03	(Thu)	05:00	05:50	66	12:16	80N	18:41	294	19:32
2025	Jul	04	(Fri)	05:00	05:51	66	12:16	80N	18:41	294	19:32
2025	Jul	05	(Sat)	05:00	05:51	66	12:16	81N	18:41	294	19:32
2025	Jul	06	(Sun)	05:01	05:51	67	12:16	81N	18:41	293	19:32
2025	Jul	07	(Mon)	05:01	05:51	67	12:16	81N	18:41	293	19:32
2025	Jul	08	(Tue)	05:01	05:52	67	12:17	81N	18:42	293	19:32
2025	Jul	09	(Wed)	05:02	05:52	67	12:17	81N	18:42	293	19:32
2025	Jul	10	(Thu)	05:02	05:52	67	12:17	81N	18:42	293	19:32
2025	Jul	11	(Fri)	05:02	05:53	67	12:17	81N	18:42	293	19:32
2025	Jul	12	(Sat)	05:03	05:53	67	12:17	81N	18:42	293	19:32
2025	Jul	13	(Sun)	05:03	05:53	67	12:17	82N	18:41	293	19:32
2025	Jul	14	(Mon)	05:03	05:53	68	12:17	82N	18:41	292	19:32
2025	Jul	15	(Tue)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2025	Jul	16	(Wed)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2025	Jul	17	(Thu)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2025	Jul	18	(Fri)	05:05	05:54	68	12:18	82N	18:41	292	19:31
2025	Jul	19	(Sat)	05:05	05:55	68	12:18	83N	18:41	291	19:31
2025	Jul	20	(Sun)	05:05	05:55	69	12:18	83N	18:41	291	19:30
2025	Jul	21	(Mon)	05:05	05:55	69	12:18	83N	18:41	291	19:30
2025	Jul	22	(Tue)	05:06	05:55	69	12:18	83N	18:40	291	19:30
2025	Jul	23	(Wed)	05:06	05:56	69	12:18	83N	18:40	291	19:30

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

2025	Oct	04	(Sat)	05:15	06:01	94	12:00	74S	18:00	266	18:45
2025	Oct	05	(Sun)	05:15	06:01	95	12:00	73S	17:59	265	18:45
2025	Oct	06	(Mon)	05:15	06:01	95	12:00	73S	17:58	265	18:44
2025	Oct	07	(Tue)	05:15	06:01	95	11:59	73S	17:58	264	18:43
2025	Oct	08	(Wed)	05:15	06:01	96	11:59	72S	17:57	264	18:43
2025	Oct	09	(Thu)	05:15	06:01	96	11:59	72S	17:56	264	18:42
2025	Oct	10	(Fri)	05:15	06:01	97	11:59	71S	17:56	263	18:42
2025	Oct	11	(Sat)	05:15	06:01	97	11:58	71S	17:55	263	18:41
2025	Oct	12	(Sun)	05:15	06:01	97	11:58	71S	17:55	262	18:41
2025	Oct	13	(Mon)	05:15	06:01	98	11:58	70S	17:54	262	18:40
2025	Oct	14	(Tue)	05:15	06:01	98	11:58	70S	17:53	262	18:40
2025	Oct	15	(Wed)	05:15	06:02	99	11:57	69S	17:53	261	18:39
2025	Oct	16	(Thu)	05:16	06:02	99	11:57	69S	17:52	261	18:38
2025	Oct	17	(Fri)	05:16	06:02	99	11:57	69S	17:52	261	18:38
2025	Oct	18	(Sat)	05:16	06:02	100	11:57	68S	17:51	260	18:38
2025	Oct	19	(Sun)	05:16	06:02	100	11:56	68S	17:51	260	18:37
2025	Oct	20	(Mon)	05:16	06:02	100	11:56	68S	17:50	259	18:37
2025	Oct	21	(Tue)	05:16	06:02	101	11:56	67S	17:50	259	18:36
2025	Oct	22	(Wed)	05:16	06:03	101	11:56	67S	17:49	259	18:36
2025	Oct	23	(Thu)	05:16	06:03	101	11:56	67S	17:49	258	18:35
2025	Oct	24	(Fri)	05:16	06:03	102	11:56	66S	17:48	258	18:35
2025	Oct	25	(Sat)	05:16	06:03	102	11:56	66S	17:48	258	18:35
2025	Oct	26	(Sun)	05:17	06:03	103	11:55	66S	17:48	257	18:34
2025	Oct	27	(Mon)	05:17	06:04	103	11:55	65S	17:47	257	18:34
2025	Oct	28	(Tue)	05:17	06:04	103	11:55	65S	17:47	257	18:34
2025	Oct	29	(Wed)	05:17	06:04	104	11:55	65S	17:46	256	18:33
2025	Oct	30	(Thu)	05:17	06:04	104	11:55	64S	17:46	256	18:33
2025	Oct	31	(Fri)	05:18	06:05	104	11:55	64S	17:46	256	18:33
2025	Nov	01	(Sat)	05:18	06:05	105	11:55	64S	17:45	255	18:32
2025	Nov	02	(Sun)	05:18	06:05	105	11:55	63S	17:45	255	18:32
2025	Nov	03	(Mon)	05:18	06:05	105	11:55	63S	17:45	255	18:32
2025	Nov	04	(Tue)	05:18	06:06	106	11:55	63S	17:44	254	18:32
2025	Nov	05	(Wed)	05:19	06:06	106	11:55	62S	17:44	254	18:31
2025	Nov	06	(Thu)	05:19	06:06	106	11:55	62S	17:44	254	18:31
2025	Nov	07	(Fri)	05:19	06:07	106	11:55	62S	17:44	253	18:31
2025	Nov	08	(Sat)	05:19	06:07	107	11:55	61S	17:43	253	18:31
2025	Nov	09	(Sun)	05:20	06:07	107	11:55	61S	17:43	253	18:31
2025	Nov	10	(Mon)	05:20	06:08	107	11:55	61S	17:43	252	18:31
2025	Nov	11	(Tue)	05:20	06:08	108	11:56	61S	17:43	252	18:31
2025	Nov	12	(Wed)	05:21	06:08	108	11:56	60S	17:43	252	18:31
2025	Nov	13	(Thu)	05:21	06:09	108	11:56	60S	17:43	252	18:31
2025	Nov	14	(Fri)	05:21	06:09	108	11:56	60S	17:43	251	18:31
2025	Nov	15	(Sat)	05:22	06:10	109	11:56	60S	17:42	251	18:31
2025	Nov	16	(Sun)	05:22	06:10	109	11:56	59S	17:42	251	18:31
2025	Nov	17	(Mon)	05:22	06:10	109	11:56	59S	17:42	251	18:31
2025	Nov	18	(Tue)	05:23	06:11	110	11:57	59S	17:42	250	18:31
2025	Nov	19	(Wed)	05:23	06:11	110	11:57	59S	17:42	250	18:31
2025	Nov	20	(Thu)	05:23	06:12	110	11:57	58S	17:42	250	18:31
2025	Nov	21	(Fri)	05:24	06:12	110	11:57	58S	17:42	250	18:31
2025	Nov	22	(Sat)	05:24	06:13	110	11:58	58S	17:42	249	18:31
2025	Nov	23	(Sun)	05:25	06:13	111	11:58	58S	17:42	249	18:31
2025	Nov	24	(Mon)	05:25	06:14	111	11:58	58S	17:43	249	18:31
2025	Nov	25	(Tue)	05:25	06:14	111	11:58	57S	17:43	249	18:31
2025	Nov	26	(Wed)	05:26	06:15	111	11:59	57S	17:43	249	18:32
2025	Nov	27	(Thu)	05:26	06:15	111	11:59	57S	17:43	248	18:32
2025	Nov	28	(Fri)	05:27	06:16	112	11:59	57S	17:43	248	18:32
2025	Nov	29	(Sat)	05:27	06:16	112	12:00	57S	17:43	248	18:32
2025	Nov	30	(Sun)	05:28	06:17	112	12:00	56S	17:43	248	18:32
2025	Dec	01	(Mon)	05:28	06:17	112	12:01	56S	17:44	248	18:33
2025	Dec	02	(Tue)	05:29	06:18	112	12:01	56S	17:44	248	18:33
2025	Dec	03	(Wed)	05:29	06:18	112	12:01	56S	17:44	247	18:33
2025	Dec	04	(Thu)	05:30	06:19	113	12:02	56S	17:44	247	18:34
2025	Dec	05	(Fri)	05:30	06:19	113	12:02	56S	17:45	247	18:34
2025	Dec	06	(Sat)	05:31	06:20	113	12:03	56S	17:45	247	18:34
2025	Dec	07	(Sun)	05:31	06:20	113	12:03	55S	17:45	247	18:35
2025	Dec	08	(Mon)	05:32	06:21	113	12:03	55S	17:46	247	18:35
2025	Dec	09	(Tue)	05:32	06:22	113	12:04	55S	17:46	247	18:35
2025	Dec	10	(Wed)	05:33	06:22	113	12:04	55S	17:46	247	18:36
2025	Dec	11	(Thu)	05:33	06:23	113	12:05	55S	17:47	247	18:36
2025	Dec	12	(Fri)	05:34	06:23	113	12:05	55S	17:47	246	18:37
2025	Dec	13	(Sat)	05:34	06:24	114	12:06	55S	17:48	246	18:37
2025	Dec	14	(Sun)	05:35	06:24	114	12:06	55S	17:48	246	18:37

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

Sun

Chanthaburi

Location: E102°07'22.8", N12°36'35.9", 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)	06:10	06:33	113	12:15	55S	17:57	247	18:20
2025	Jan 02	(Thu)	06:10	06:33	113	12:16	55S	17:58	247	18:21
2025	Jan 03	(Fri)	06:11	06:34	113	12:16	55S	17:58	247	18:21
2025	Jan 04	(Sat)	06:11	06:34	113	12:16	55S	17:59	247	18:22
2025	Jan 05	(Sun)	06:12	06:34	113	12:17	56S	17:59	247	18:22
2025	Jan 06	(Mon)	06:12	06:35	113	12:17	56S	18:00	247	18:23
2025	Jan 07	(Tue)	06:12	06:35	113	12:18	56S	18:01	247	18:23
2025	Jan 08	(Wed)	06:13	06:35	113	12:18	56S	18:01	247	18:24
2025	Jan 09	(Thu)	06:13	06:36	112	12:19	56S	18:02	248	18:24
2025	Jan 10	(Fri)	06:13	06:36	112	12:19	56S	18:02	248	18:25
2025	Jan 11	(Sat)	06:13	06:36	112	12:19	56S	18:03	248	18:26
2025	Jan 12	(Sun)	06:14	06:36	112	12:20	56S	18:03	248	18:26
2025	Jan 13	(Mon)	06:14	06:37	112	12:20	57S	18:04	248	18:27
2025	Jan 14	(Tue)	06:14	06:37	112	12:21	57S	18:04	248	18:27
2025	Jan 15	(Wed)	06:14	06:37	111	12:21	57S	18:05	249	18:28
2025	Jan 16	(Thu)	06:14	06:37	111	12:21	57S	18:05	249	18:28
2025	Jan 17	(Fri)	06:15	06:37	111	12:22	57S	18:06	249	18:29
2025	Jan 18	(Sat)	06:15	06:37	111	12:22	58S	18:07	249	18:29
2025	Jan 19	(Sun)	06:15	06:37	111	12:22	58S	18:07	249	18:30
2025	Jan 20	(Mon)	06:15	06:38	110	12:23	58S	18:08	250	18:30
2025	Jan 21	(Tue)	06:15	06:38	110	12:23	58S	18:08	250	18:30
2025	Jan 22	(Wed)	06:15	06:38	110	12:23	58S	18:09	250	18:31
2025	Jan 23	(Thu)	06:15	06:38	110	12:23	59S	18:09	250	18:31
2025	Jan 24	(Fri)	06:15	06:38	109	12:24	59S	18:09	251	18:32
2025	Jan 25	(Sat)	06:15	06:38	109	12:24	59S	18:10	251	18:32
2025	Jan 26	(Sun)	06:15	06:38	109	12:24	59S	18:10	251	18:33
2025	Jan 27	(Mon)	06:15	06:38	109	12:24	60S	18:11	251	18:33
2025	Jan 28	(Tue)	06:15	06:38	108	12:24	60S	18:11	252	18:34
2025	Jan 29	(Wed)	06:15	06:38	108	12:25	60S	18:12	252	18:34
2025	Jan 30	(Thu)	06:15	06:37	108	12:25	61S	18:12	252	18:34
2025	Jan 31	(Fri)	06:15	06:37	108	12:25	61S	18:13	253	18:35
2025	Feb 01	(Sat)	06:15	06:37	107	12:25	61S	18:13	253	18:35
2025	Feb 02	(Sun)	06:15	06:37	107	12:25	61S	18:13	253	18:35
2025	Feb 03	(Mon)	06:15	06:37	107	12:25	62S	18:14	253	18:36
2025	Feb 04	(Tue)	06:15	06:37	106	12:25	62S	18:14	254	18:36
2025	Feb 05	(Wed)	06:15	06:37	106	12:25	62S	18:15	254	18:37
2025	Feb 06	(Thu)	06:14	06:36	106	12:26	63S	18:15	254	18:37
2025	Feb 07	(Fri)	06:14	06:36	105	12:26	63S	18:15	255	18:37
2025	Feb 08	(Sat)	06:14	06:36	105	12:26	63S	18:16	255	18:37
2025	Feb 09	(Sun)	06:14	06:36	105	12:26	64S	18:16	255	18:38
2025	Feb 10	(Mon)	06:13	06:35	105	12:26	64S	18:16	256	18:38
2025	Feb 11	(Tue)	06:13	06:35	104	12:26	64S	18:17	256	18:38

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

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

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

2025	Sep	16	(Tue)	05:39	06:01	87	12:06	81S	18:12	273	18:33
2025	Sep	17	(Wed)	05:39	06:01	88	12:06	80S	18:11	272	18:32
2025	Sep	18	(Thu)	05:39	06:01	88	12:06	80S	18:10	272	18:32
2025	Sep	19	(Fri)	05:39	06:01	88	12:05	79S	18:10	271	18:31
2025	Sep	20	(Sat)	05:39	06:01	89	12:05	79S	18:09	271	18:30
2025	Sep	21	(Sun)	05:39	06:01	89	12:05	79S	18:08	271	18:30
2025	Sep	22	(Mon)	05:39	06:01	89	12:04	78S	18:08	270	18:29
2025	Sep	23	(Tue)	05:39	06:01	90	12:04	78S	18:07	270	18:28
2025	Sep	24	(Wed)	05:39	06:01	90	12:04	78S	18:06	270	18:27
2025	Sep	25	(Thu)	05:39	06:01	91	12:03	77S	18:06	269	18:27
2025	Sep	26	(Fri)	05:39	06:01	91	12:03	77S	18:05	269	18:26
2025	Sep	27	(Sat)	05:39	06:01	91	12:03	76S	18:04	268	18:25
2025	Sep	28	(Sun)	05:39	06:01	92	12:02	76S	18:04	268	18:25
2025	Sep	29	(Mon)	05:40	06:01	92	12:02	76S	18:03	268	18:24
2025	Sep	30	(Tue)	05:40	06:01	93	12:02	75S	18:02	267	18:23
2025	Oct	01	(Wed)	05:40	06:01	93	12:01	75S	18:01	267	18:23
2025	Oct	02	(Thu)	05:40	06:01	93	12:01	74S	18:01	266	18:22
2025	Oct	03	(Fri)	05:40	06:01	94	12:01	74S	18:00	266	18:21
2025	Oct	04	(Sat)	05:40	06:01	94	12:00	74S	18:00	266	18:21
2025	Oct	05	(Sun)	05:40	06:01	95	12:00	73S	17:59	265	18:20
2025	Oct	06	(Mon)	05:40	06:01	95	12:00	73S	17:58	265	18:19
2025	Oct	07	(Tue)	05:40	06:01	95	11:59	73S	17:58	264	18:19
2025	Oct	08	(Wed)	05:40	06:01	96	11:59	72S	17:57	264	18:18
2025	Oct	09	(Thu)	05:40	06:01	96	11:59	72S	17:56	264	18:18
2025	Oct	10	(Fri)	05:40	06:01	97	11:59	71S	17:56	263	18:17
2025	Oct	11	(Sat)	05:40	06:01	97	11:58	71S	17:55	263	18:16
2025	Oct	12	(Sun)	05:40	06:01	97	11:58	71S	17:55	262	18:16
2025	Oct	13	(Mon)	05:40	06:01	98	11:58	70S	17:54	262	18:15
2025	Oct	14	(Tue)	05:40	06:01	98	11:58	70S	17:53	262	18:15
2025	Oct	15	(Wed)	05:40	06:02	99	11:57	69S	17:53	261	18:14
2025	Oct	16	(Thu)	05:40	06:02	99	11:57	69S	17:52	261	18:14
2025	Oct	17	(Fri)	05:40	06:02	99	11:57	69S	17:52	261	18:13
2025	Oct	18	(Sat)	05:41	06:02	100	11:57	68S	17:51	260	18:13
2025	Oct	19	(Sun)	05:41	06:02	100	11:56	68S	17:51	260	18:12
2025	Oct	20	(Mon)	05:41	06:02	100	11:56	68S	17:50	259	18:12
2025	Oct	21	(Tue)	05:41	06:02	101	11:56	67S	17:50	259	18:11
2025	Oct	22	(Wed)	05:41	06:03	101	11:56	67S	17:49	259	18:11
2025	Oct	23	(Thu)	05:41	06:03	101	11:56	67S	17:49	258	18:10
2025	Oct	24	(Fri)	05:41	06:03	102	11:56	66S	17:48	258	18:10
2025	Oct	25	(Sat)	05:42	06:03	102	11:56	66S	17:48	258	18:10
2025	Oct	26	(Sun)	05:42	06:03	103	11:55	66S	17:48	257	18:09
2025	Oct	27	(Mon)	05:42	06:04	103	11:55	65S	17:47	257	18:09
2025	Oct	28	(Tue)	05:42	06:04	103	11:55	65S	17:47	257	18:08
2025	Oct	29	(Wed)	05:42	06:04	104	11:55	65S	17:46	256	18:08
2025	Oct	30	(Thu)	05:43	06:04	104	11:55	64S	17:46	256	18:08
2025	Oct	31	(Fri)	05:43	06:05	104	11:55	64S	17:46	256	18:07
2025	Nov	01	(Sat)	05:43	06:05	105	11:55	64S	17:45	255	18:07
2025	Nov	02	(Sun)	05:43	06:05	105	11:55	63S	17:45	255	18:07
2025	Nov	03	(Mon)	05:43	06:05	105	11:55	63S	17:45	255	18:07
2025	Nov	04	(Tue)	05:44	06:06	106	11:55	63S	17:44	254	18:06
2025	Nov	05	(Wed)	05:44	06:06	106	11:55	62S	17:44	254	18:06
2025	Nov	06	(Thu)	05:44	06:06	106	11:55	62S	17:44	254	18:06
2025	Nov	07	(Fri)	05:45	06:07	106	11:55	62S	17:44	253	18:06
2025	Nov	08	(Sat)	05:45	06:07	107	11:55	61S	17:43	253	18:06
2025	Nov	09	(Sun)	05:45	06:07	107	11:55	61S	17:43	253	18:05
2025	Nov	10	(Mon)	05:46	06:08	107	11:55	61S	17:43	252	18:05
2025	Nov	11	(Tue)	05:46	06:08	108	11:56	61S	17:43	252	18:05
2025	Nov	12	(Wed)	05:46	06:08	108	11:56	60S	17:43	252	18:05
2025	Nov	13	(Thu)	05:47	06:09	108	11:56	60S	17:43	252	18:05
2025	Nov	14	(Fri)	05:47	06:09	108	11:56	60S	17:43	251	18:05
2025	Nov	15	(Sat)	05:47	06:10	109	11:56	60S	17:42	251	18:05
2025	Nov	16	(Sun)	05:48	06:10	109	11:56	59S	17:42	251	18:05
2025	Nov	17	(Mon)	05:48	06:10	109	11:56	59S	17:42	251	18:05
2025	Nov	18	(Tue)	05:48	06:11	110	11:57	59S	17:42	250	18:05
2025	Nov	19	(Wed)	05:49	06:11	110	11:57	59S	17:42	250	18:05
2025	Nov	20	(Thu)	05:49	06:12	110	11:57	58S	17:42	250	18:05
2025	Nov	21	(Fri)	05:50	06:12	110	11:57	58S	17:42	250	18:05
2025	Nov	22	(Sat)	05:50	06:13	110	11:58	58S	17:42	249	18:05
2025	Nov	23	(Sun)	05:51	06:13	111	11:58	58S	17:42	249	18:05
2025	Nov	24	(Mon)	05:51	06:14	111	11:58	58S	17:43	249	18:05
2025	Nov	25	(Tue)	05:52	06:14	111	11:58	57S	17:43	249	18:05
2025	Nov	26	(Wed)	05:52	06:15	111	11:59	57S	17:43	249	18:05

2025	Nov	27	(Thu)	05:53	06:15	111	11:59	57S	17:43	248	18:06
2025	Nov	28	(Fri)	05:53	06:16	112	11:59	57S	17:43	248	18:06
2025	Nov	29	(Sat)	05:54	06:16	112	12:00	57S	17:43	248	18:06
2025	Nov	30	(Sun)	05:54	06:17	112	12:00	56S	17:43	248	18:06
2025	Dec	01	(Mon)	05:55	06:17	112	12:01	56S	17:44	248	18:06
2025	Dec	02	(Tue)	05:55	06:18	112	12:01	56S	17:44	248	18:07
2025	Dec	03	(Wed)	05:56	06:18	112	12:01	56S	17:44	247	18:07
2025	Dec	04	(Thu)	05:56	06:19	113	12:02	56S	17:44	247	18:07
2025	Dec	05	(Fri)	05:57	06:19	113	12:02	56S	17:45	247	18:08
2025	Dec	06	(Sat)	05:57	06:20	113	12:03	56S	17:45	247	18:08
2025	Dec	07	(Sun)	05:58	06:20	113	12:03	55S	17:45	247	18:08
2025	Dec	08	(Mon)	05:58	06:21	113	12:03	55S	17:46	247	18:09
2025	Dec	09	(Tue)	05:59	06:22	113	12:04	55S	17:46	247	18:09
2025	Dec	10	(Wed)	05:59	06:22	113	12:04	55S	17:46	247	18:09
2025	Dec	11	(Thu)	06:00	06:23	113	12:05	55S	17:47	247	18:10
2025	Dec	12	(Fri)	06:00	06:23	113	12:05	55S	17:47	246	18:10
2025	Dec	13	(Sat)	06:01	06:24	114	12:06	55S	17:48	246	18:11
2025	Dec	14	(Sun)	06:01	06:24	114	12:06	55S	17:48	246	18:11
2025	Dec	15	(Mon)	06:02	06:25	114	12:07	55S	17:48	246	18:11
2025	Dec	16	(Tue)	06:02	06:25	114	12:07	55S	17:49	246	18:12
2025	Dec	17	(Wed)	06:03	06:26	114	12:08	55S	17:49	246	18:12
2025	Dec	18	(Thu)	06:03	06:26	114	12:08	55S	17:50	246	18:13
2025	Dec	19	(Fri)	06:04	06:27	114	12:09	55S	17:50	246	18:13
2025	Dec	20	(Sat)	06:04	06:27	114	12:09	55S	17:51	246	18:14
2025	Dec	21	(Sun)	06:05	06:28	114	12:10	55S	17:51	246	18:14
2025	Dec	22	(Mon)	06:05	06:28	114	12:10	55S	17:52	246	18:15
2025	Dec	23	(Tue)	06:06	06:29	114	12:11	55S	17:52	246	18:15
2025	Dec	24	(Wed)	06:06	06:29	114	12:11	55S	17:53	246	18:16
2025	Dec	25	(Thu)	06:07	06:30	114	12:12	55S	17:53	246	18:16
2025	Dec	26	(Fri)	06:07	06:30	114	12:12	55S	17:54	246	18:17
2025	Dec	27	(Sat)	06:08	06:31	114	12:13	55S	17:54	246	18:17
2025	Dec	28	(Sun)	06:08	06:31	114	12:13	55S	17:55	246	18:18
2025	Dec	29	(Mon)	06:09	06:32	114	12:14	55S	17:55	246	18:18
2025	Dec	30	(Tue)	06:09	06:32	114	12:14	55S	17:56	246	18:19
2025	Dec	31	(Wed)	06:10	06:33	113	12:14	55S	17:56	247	18:19

Moon

Chanthaburi

Location: E102°07'22.8", N12°36'35.9", 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)	07:42	116		13:29	52S		19:19	245	
2025 Jan 02 (Thu)	08:33	113		14:24	57S		20:17	250	
2025 Jan 03 (Fri)	09:20	107		15:15	62S		21:14	255	
2025 Jan 04 (Sat)	10:03	101		16:04	68S		22:08	262	
2025 Jan 05 (Sun)	10:45	94		16:52	75S		23:02	269	
2025 Jan 06 (Mon)	11:25	87		17:39	82S		23:56	276	
2025 Jan 07 (Tue)	12:07	80		18:27	89S				
2025 Jan 08 (Wed)	12:51	74		19:18	86N		00:51	283	
2025 Jan 09 (Thu)	13:38	68		20:12	81N		01:48	289	
2025 Jan 10 (Fri)	14:31	64		21:10	77N		02:49	294	
2025 Jan 11 (Sat)	15:28	61		22:11	75N		03:52	298	
2025 Jan 12 (Sun)	16:29	61		23:13	75N		04:55	299	
2025 Jan 13 (Mon)	17:31	62					05:56	299	
2025 Jan 14 (Tue)	18:31	65		00:12	77N		06:51	296	
2025 Jan 15 (Wed)	19:27	70		01:07	80N		07:41	292	
2025 Jan 16 (Thu)	20:19	75		01:57	85N		08:25	288	
2025 Jan 17 (Fri)	21:08	81		02:43	90N		09:05	282	
2025 Jan 18 (Sat)	21:54	87		03:26	85S		09:41	276	
2025 Jan 19 (Sun)	22:39	93		04:06	79S		10:15	270	
2025 Jan 20 (Mon)	23:23	99		04:45	73S		10:49	264	
2025 Jan 21 (Tue)				05:25	68S		11:24	258	
2025 Jan 22 (Wed)	00:09	104		06:06	62S		12:00	253	
2025 Jan 23 (Thu)	00:57	110		06:49	58S		12:40	248	
2025 Jan 24 (Fri)	01:47	114		07:36	54S		13:23	245	
2025 Jan 25 (Sat)	02:41	117		08:27	51S		14:12	242	

2025	Jan	26	(Sun)	03:37	119	09:21	49S	15:06	241
2025	Jan	27	(Mon)	04:34	119	10:18	49S	16:04	241
2025	Jan	28	(Tue)	05:30	118	11:16	51S	17:04	244
2025	Jan	29	(Wed)	06:23	114	12:13	55S	18:05	248
2025	Jan	30	(Thu)	07:13	110	13:07	60S	19:04	253
2025	Jan	31	(Fri)	07:59	104	13:58	66S	20:01	260
2025	Feb	01	(Sat)	08:42	97	14:47	73S	20:56	267
2025	Feb	02	(Sun)	09:24	90	15:36	80S	21:51	274
2025	Feb	03	(Mon)	10:06	82	16:24	87S	22:46	281
2025	Feb	04	(Tue)	10:49	76	17:15	88N	23:44	288
2025	Feb	05	(Wed)	11:36	70	18:08	82N		
2025	Feb	06	(Thu)	12:26	65	19:04	78N	00:43	293
2025	Feb	07	(Fri)	13:21	62	20:03	75N	01:44	297
2025	Feb	08	(Sat)	14:20	61	21:03	74N	02:46	299
2025	Feb	09	(Sun)	15:20	61	22:02	76N	03:47	299
2025	Feb	10	(Mon)	16:20	64	22:58	79N	04:43	297
2025	Feb	11	(Tue)	17:16	68	23:49	83N	05:34	294
2025	Feb	12	(Wed)	18:10	73			06:19	290
2025	Feb	13	(Thu)	18:59	78	00:36	88N	07:00	284
2025	Feb	14	(Fri)	19:47	85	01:20	88S	07:38	278
2025	Feb	15	(Sat)	20:32	91	02:01	82S	08:13	272
2025	Feb	16	(Sun)	21:17	97	02:41	76S	08:47	266
2025	Feb	17	(Mon)	22:02	102	03:20	70S	09:21	260
2025	Feb	18	(Tue)	22:49	108	04:01	64S	09:57	255
2025	Feb	19	(Wed)	23:38	112	04:43	59S	10:35	250
2025	Feb	20	(Thu)			05:28	55S	11:16	246
2025	Feb	21	(Fri)	00:29	116	06:16	52S	12:02	243
2025	Feb	22	(Sat)	01:23	118	07:08	49S	12:53	241
2025	Feb	23	(Sun)	02:19	119	08:03	49S	13:48	241
2025	Feb	24	(Mon)	03:15	119	09:00	50S	14:46	242
2025	Feb	25	(Tue)	04:09	116	09:57	53S	15:46	245
2025	Feb	26	(Wed)	05:00	112	10:52	57S	16:46	250
2025	Feb	27	(Thu)	05:48	107	11:45	63S	17:45	256
2025	Feb	28	(Fri)	06:34	100	12:36	70S	18:42	263
2025	Mar	01	(Sat)	07:17	93	13:26	77S	19:39	271
2025	Mar	02	(Sun)	08:00	85	14:17	85S	20:36	279
2025	Mar	03	(Mon)	08:45	78	15:08	90N	21:35	286
2025	Mar	04	(Tue)	09:31	71	16:02	84N	22:35	291
2025	Mar	05	(Wed)	10:22	66	16:59	79N	23:38	296
2025	Mar	06	(Thu)	11:16	63	17:58	76N		
2025	Mar	07	(Fri)	12:15	61	18:58	74N	00:41	299
2025	Mar	08	(Sat)	13:14	61	19:57	75N	01:42	299
2025	Mar	09	(Sun)	14:14	63	20:53	77N	02:39	298
2025	Mar	10	(Mon)	15:11	66	21:45	81N	03:31	295
2025	Mar	11	(Tue)	16:04	71	22:33	86N	04:17	291
2025	Mar	12	(Wed)	16:54	76	23:17	90S	04:59	286
2025	Mar	13	(Thu)	17:42	82	23:59	84S	05:37	281
2025	Mar	14	(Fri)	18:27	88			06:12	275
2025	Mar	15	(Sat)	19:12	94	00:38	78S	06:47	269
2025	Mar	16	(Sun)	19:57	100	01:18	72S	07:21	263
2025	Mar	17	(Mon)	20:44	106	01:58	66S	07:56	257
2025	Mar	18	(Tue)	21:32	111	02:39	61S	08:32	252
2025	Mar	19	(Wed)	22:22	115	03:23	56S	09:12	247
2025	Mar	20	(Thu)	23:14	118	04:10	53S	09:56	244
2025	Mar	21	(Fri)			05:00	50S	10:44	241
2025	Mar	22	(Sat)	00:08	119	05:53	49S	11:36	240
2025	Mar	23	(Sun)	01:03	119	06:47	49S	12:32	241
2025	Mar	24	(Mon)	01:57	118	07:43	51S	13:30	244
2025	Mar	25	(Tue)	02:48	114	08:37	55S	14:29	248
2025	Mar	26	(Wed)	03:36	110	09:30	60S	15:27	253
2025	Mar	27	(Thu)	04:22	104	10:21	66S	16:24	260
2025	Mar	28	(Fri)	05:06	97	11:12	73S	17:21	267
2025	Mar	29	(Sat)	05:50	89	12:02	81S	18:19	275
2025	Mar	30	(Sun)	06:34	82	12:54	88S	19:18	282
2025	Mar	31	(Mon)	07:21	74	13:49	86N	20:20	289
2025	Apr	01	(Tue)	08:12	68	14:46	81N	21:24	294
2025	Apr	02	(Wed)	09:07	64	15:47	77N	22:29	298
2025	Apr	03	(Thu)	10:06	61	16:49	75N	23:33	299
2025	Apr	04	(Fri)	11:07	61	17:51	75N		
2025	Apr	05	(Sat)	12:08	62	18:49	76N	00:34	299
2025	Apr	06	(Sun)	13:06	65	19:42	80N	01:28	296
2025	Apr	07	(Mon)	14:01	69	20:31	84N	02:16	293

2025 Apr 08 (Tue)	14:52 75	21:16 90N	02:59 288
2025 Apr 09 (Wed)	15:39 80	21:58 86S	03:38 282
2025 Apr 10 (Thu)	16:25 86	22:38 80S	04:14 277
2025 Apr 11 (Fri)	17:10 92	23:17 74S	04:48 271
2025 Apr 12 (Sat)	17:55 98	23:57 68S	05:22 265
2025 Apr 13 (Sun)	18:40 104		05:56 259
2025 Apr 14 (Mon)	19:27 109	00:37 63S	06:32 253
2025 Apr 15 (Tue)	20:17 113	01:20 58S	07:11 249
2025 Apr 16 (Wed)	21:09 117	02:06 54S	07:53 245
2025 Apr 17 (Thu)	22:02 119	02:55 51S	08:40 242
2025 Apr 18 (Fri)	22:56 119	03:46 49S	09:30 241
2025 Apr 19 (Sat)	23:49 118	04:40 49S	10:24 241
2025 Apr 20 (Sun)		05:34 50S	11:20 243
2025 Apr 21 (Mon)	00:40 116	06:27 53S	12:17 246
2025 Apr 22 (Tue)	01:28 112	07:19 57S	13:13 251
2025 Apr 23 (Wed)	02:13 106	08:09 63S	14:09 256
2025 Apr 24 (Thu)	02:56 100	08:59 70S	15:04 263
2025 Apr 25 (Fri)	03:39 93	09:48 77S	16:00 271
2025 Apr 26 (Sat)	04:22 86	10:38 84S	16:58 278
2025 Apr 27 (Sun)	05:07 78	11:31 90N	17:58 285
2025 Apr 28 (Mon)	05:56 71	12:28 83N	19:02 292
2025 Apr 29 (Tue)	06:50 66	13:28 78N	20:09 296
2025 Apr 30 (Wed)	07:50 62	14:32 75N	21:16 299
2025 May 01 (Thu)	08:52 61	15:37 74N	22:21 299
2025 May 02 (Fri)	09:56 61	16:39 76N	23:20 297
2025 May 03 (Sat)	10:57 64	17:36 79N	
2025 May 04 (Sun)	11:55 68	18:27 83N	00:12 294
2025 May 05 (Mon)	12:48 73	19:14 88N	00:57 289
2025 May 06 (Tue)	13:37 79	19:57 88S	01:38 284
2025 May 07 (Wed)	14:23 85	20:38 82S	02:15 278
2025 May 08 (Thu)	15:08 91	21:17 76S	02:49 272
2025 May 09 (Fri)	15:52 97	21:56 70S	03:23 266
2025 May 10 (Sat)	16:38 102	22:36 64S	03:57 261
2025 May 11 (Sun)	17:24 107	23:18 59S	04:33 255
2025 May 12 (Mon)	18:13 112		05:11 250
2025 May 13 (Tue)	19:04 116	00:03 55S	05:52 246
2025 May 14 (Wed)	19:58 118	00:51 52S	06:37 243
2025 May 15 (Thu)	20:52 119	01:42 50S	07:27 241
2025 May 16 (Fri)	21:45 119	02:36 49S	08:20 241
2025 May 17 (Sat)	22:36 117	03:29 50S	09:15 242
2025 May 18 (Sun)	23:24 113	04:22 52S	10:11 245
2025 May 19 (Mon)		05:14 56S	11:06 249
2025 May 20 (Tue)	00:09 108	06:03 61S	12:00 254
2025 May 21 (Wed)	00:51 103	06:51 67S	12:54 261
2025 May 22 (Thu)	01:32 96	07:38 74S	13:47 268
2025 May 23 (Fri)	02:14 89	08:26 81S	14:42 275
2025 May 24 (Sat)	02:56 82	09:16 88S	15:39 282
2025 May 25 (Sun)	03:42 75	10:10 87N	16:40 289
2025 May 26 (Mon)	04:33 69	11:08 81N	17:46 294
2025 May 27 (Tue)	05:30 64	12:10 77N	18:53 298
2025 May 28 (Wed)	06:32 61	13:16 75N	20:01 299
2025 May 29 (Thu)	07:37 61	14:21 75N	21:04 298
2025 May 30 (Fri)	08:41 63	15:22 77N	22:01 296
2025 May 31 (Sat)	09:43 66	16:18 81N	22:51 291
2025 Jun 01 (Sun)	10:39 71	17:08 86N	23:34 286
2025 Jun 02 (Mon)	11:31 77	17:54 90S	
2025 Jun 03 (Tue)	12:19 83	18:35 84S	00:13 280
2025 Jun 04 (Wed)	13:05 89	19:15 78S	00:49 274
2025 Jun 05 (Thu)	13:50 95	19:55 72S	01:23 268
2025 Jun 06 (Fri)	14:34 100	20:35 66S	01:57 262
2025 Jun 07 (Sat)	15:21 106	21:16 61S	02:32 257
2025 Jun 08 (Sun)	16:09 111	22:00 56S	03:09 252
2025 Jun 09 (Mon)	16:59 115	22:47 53S	03:50 247
2025 Jun 10 (Tue)	17:52 118	23:38 50S	04:34 244
2025 Jun 11 (Wed)	18:46 119		05:22 242
2025 Jun 12 (Thu)	19:40 119	00:31 49S	06:15 241
2025 Jun 13 (Fri)	20:33 117	01:25 50S	07:10 242
2025 Jun 14 (Sat)	21:22 114	02:19 51S	08:06 244
2025 Jun 15 (Sun)	22:08 110	03:11 55S	09:02 248
2025 Jun 16 (Mon)	22:50 104	04:01 60S	09:56 253
2025 Jun 17 (Tue)	23:31 98	04:49 65S	10:49 259
2025 Jun 18 (Wed)		05:35 72S	11:42 265

2025 Jun 19 (Thu)	00:11 91	06:21 79S	12:34 272
2025 Jun 20 (Fri)	00:52 84	07:09 86S	13:29 279
2025 Jun 21 (Sat)	01:35 77	07:59 89N	14:26 286
2025 Jun 22 (Sun)	02:22 71	08:53 83N	15:27 292
2025 Jun 23 (Mon)	03:14 66	09:52 78N	16:33 296
2025 Jun 24 (Tue)	04:13 62	10:55 75N	17:39 299
2025 Jun 25 (Wed)	05:16 61	12:01 75N	18:45 299
2025 Jun 26 (Thu)	06:21 62	13:04 76N	19:45 297
2025 Jun 27 (Fri)	07:25 65	14:04 79N	20:39 293
2025 Jun 28 (Sat)	08:25 69	14:57 84N	21:27 288
2025 Jun 29 (Sun)	09:20 74	15:46 89N	22:08 283
2025 Jun 30 (Mon)	10:11 80	16:30 86S	22:46 277
2025 Jul 01 (Tue)	10:59 86	17:11 80S	23:22 270
2025 Jul 02 (Wed)	11:44 93	17:52 74S	23:56 264
2025 Jul 03 (Thu)	12:30 99	18:31 68S	
2025 Jul 04 (Fri)	13:15 104	19:12 63S	00:31 259
2025 Jul 05 (Sat)	14:03 109	19:55 58S	01:07 253
2025 Jul 06 (Sun)	14:52 113	20:41 54S	01:46 249
2025 Jul 07 (Mon)	15:45 117	21:31 51S	02:29 245
2025 Jul 08 (Tue)	16:39 119	22:23 49S	03:16 242
2025 Jul 09 (Wed)	17:33 119	23:18 49S	04:07 241
2025 Jul 10 (Thu)	18:27 118		05:02 241
2025 Jul 11 (Fri)	19:18 115	00:12 51S	05:59 243
2025 Jul 12 (Sat)	20:05 111	01:06 54S	06:56 246
2025 Jul 13 (Sun)	20:49 106	01:57 58S	07:52 251
2025 Jul 14 (Mon)	21:31 100	02:46 64S	08:46 257
2025 Jul 15 (Tue)	22:11 93	03:33 70S	09:39 264
2025 Jul 16 (Wed)	22:51 86	04:20 77S	10:31 271
2025 Jul 17 (Thu)	23:33 79	05:06 84S	11:24 278
2025 Jul 18 (Fri)		05:54 90S	12:19 284
2025 Jul 19 (Sat)	00:17 73	06:46 85N	13:18 290
2025 Jul 20 (Sun)	01:06 67	07:42 80N	14:20 295
2025 Jul 21 (Mon)	02:01 63	08:42 76N	15:24 298
2025 Jul 22 (Tue)	03:01 61	09:45 75N	16:29 299
2025 Jul 23 (Wed)	04:04 61	10:48 75N	17:31 298
2025 Jul 24 (Thu)	05:08 63	11:49 78N	18:27 295
2025 Jul 25 (Fri)	06:10 67	12:45 82N	19:17 291
2025 Jul 26 (Sat)	07:07 72	13:36 87N	20:01 285
2025 Jul 27 (Sun)	08:00 78	14:22 89S	20:41 279
2025 Jul 28 (Mon)	08:50 84	15:05 82S	21:18 273
2025 Jul 29 (Tue)	09:37 90	15:46 76S	21:53 267
2025 Jul 30 (Wed)	10:23 96	16:27 70S	22:28 261
2025 Jul 31 (Thu)	11:09 102	17:08 65S	23:04 255
2025 Aug 01 (Fri)	11:56 107	17:50 60S	23:42 250
2025 Aug 02 (Sat)	12:44 112	18:35 55S	
2025 Aug 03 (Sun)	13:35 116	19:22 52S	00:23 246
2025 Aug 04 (Mon)	14:29 118	20:13 50S	01:08 243
2025 Aug 05 (Tue)	15:23 119	21:07 49S	01:58 241
2025 Aug 06 (Wed)	16:17 119	22:02 50S	02:51 241
2025 Aug 07 (Thu)	17:09 117	22:56 52S	03:48 242
2025 Aug 08 (Fri)	17:59 113	23:49 56S	04:45 245
2025 Aug 09 (Sat)	18:45 108		05:42 249
2025 Aug 10 (Sun)	19:28 102	00:40 61S	06:38 255
2025 Aug 11 (Mon)	20:10 95	01:29 68S	07:32 261
2025 Aug 12 (Tue)	20:51 88	02:16 74S	08:26 268
2025 Aug 13 (Wed)	21:32 81	03:03 82S	09:20 275
2025 Aug 14 (Thu)	22:16 74	03:52 89S	10:15 282
2025 Aug 15 (Fri)	23:03 69	04:43 87N	11:13 289
2025 Aug 16 (Sat)	23:56 64	05:37 81N	12:13 294
2025 Aug 17 (Sun)		06:35 77N	13:16 297
2025 Aug 18 (Mon)	00:53 61	07:36 75N	14:20 299
2025 Aug 19 (Tue)	01:54 61	08:38 75N	15:21 299
2025 Aug 20 (Wed)	02:57 62	09:39 76N	16:18 297
2025 Aug 21 (Thu)	03:58 65	10:35 80N	17:10 293
2025 Aug 22 (Fri)	04:56 70	11:27 85N	17:55 288
2025 Aug 23 (Sat)	05:50 75	12:15 90N	18:37 282
2025 Aug 24 (Sun)	06:41 81	12:59 85S	19:14 276
2025 Aug 25 (Mon)	07:29 88	13:41 79S	19:50 269
2025 Aug 26 (Tue)	08:16 94	14:22 73S	20:25 263
2025 Aug 27 (Wed)	09:02 100	15:03 67S	21:01 257
2025 Aug 28 (Thu)	09:48 105	15:44 61S	21:38 252
2025 Aug 29 (Fri)	10:37 110	16:28 57S	22:18 248

2025 Aug 30 (Sat)	11:27 114	17:15 53S	23:01 244
2025 Aug 31 (Sun)	12:19 117	18:04 50S	23:48 242
2025 Sep 01 (Mon)	13:12 119	18:56 49S	
2025 Sep 02 (Tue)	14:06 119	19:50 49S	00:40 241
2025 Sep 03 (Wed)	14:58 118	20:44 51S	01:34 241
2025 Sep 04 (Thu)	15:49 115	21:37 54S	02:31 243
2025 Sep 05 (Fri)	16:36 110	22:29 59S	03:28 247
2025 Sep 06 (Sat)	17:21 105	23:19 65S	04:25 252
2025 Sep 07 (Sun)	18:04 98		05:20 258
2025 Sep 08 (Mon)	18:46 91	00:08 71S	06:15 265
2025 Sep 09 (Tue)	19:28 84	00:56 79S	07:10 273
2025 Sep 10 (Wed)	20:12 77	01:45 86S	08:06 280
2025 Sep 11 (Thu)	20:59 70	02:37 89N	09:05 287
2025 Sep 12 (Fri)	21:51 65	03:31 83N	10:06 292
2025 Sep 13 (Sat)	22:48 62	04:29 78N	11:09 297
2025 Sep 14 (Sun)	23:48 61	05:30 75N	12:14 299
2025 Sep 15 (Mon)		06:32 74N	13:16 299
2025 Sep 16 (Tue)	00:50 61	07:33 76N	14:14 298
2025 Sep 17 (Wed)	01:51 64	08:30 79N	15:06 294
2025 Sep 18 (Thu)	02:49 68	09:22 83N	15:53 290
2025 Sep 19 (Fri)	03:44 73	10:11 88N	16:34 284
2025 Sep 20 (Sat)	04:35 79	10:55 87S	17:13 278
2025 Sep 21 (Sun)	05:23 85	11:37 81S	17:49 272
2025 Sep 22 (Mon)	06:10 91	12:18 75S	18:24 266
2025 Sep 23 (Tue)	06:56 98	12:59 69S	18:59 260
2025 Sep 24 (Wed)	07:42 103	13:40 63S	19:36 254
2025 Sep 25 (Thu)	08:30 109	14:23 58S	20:15 249
2025 Sep 26 (Fri)	09:19 113	15:09 54S	20:56 245
2025 Sep 27 (Sat)	10:10 116	15:57 51S	21:42 242
2025 Sep 28 (Sun)	11:03 119	16:47 49S	22:31 241
2025 Sep 29 (Mon)	11:56 119	17:39 49S	23:23 241
2025 Sep 30 (Tue)	12:48 119	18:32 50S	
2025 Oct 01 (Wed)	13:38 116	19:25 53S	00:18 242
2025 Oct 02 (Thu)	14:26 113	20:17 56S	01:14 245
2025 Oct 03 (Fri)	15:11 108	21:06 62S	02:09 249
2025 Oct 04 (Sat)	15:54 102	21:55 68S	03:04 255
2025 Oct 05 (Sun)	16:36 95	22:44 75S	03:59 262
2025 Oct 06 (Mon)	17:19 87	23:33 82S	04:54 269
2025 Oct 07 (Tue)	18:03 80		05:51 276
2025 Oct 08 (Wed)	18:50 73	00:24 90S	06:49 284
2025 Oct 09 (Thu)	19:42 67	01:19 85N	07:51 290
2025 Oct 10 (Fri)	20:38 63	02:18 80N	08:56 295
2025 Oct 11 (Sat)	21:40 61	03:20 76N	10:03 298
2025 Oct 12 (Sun)	22:43 61	04:24 75N	11:08 299
2025 Oct 13 (Mon)	23:45 63	05:27 75N	12:09 298
2025 Oct 14 (Tue)		06:26 78N	13:03 295
2025 Oct 15 (Wed)	00:45 67	07:20 82N	13:52 291
2025 Oct 16 (Thu)	01:40 71	08:09 87N	14:35 286
2025 Oct 17 (Fri)	02:32 77	08:54 89S	15:13 280
2025 Oct 18 (Sat)	03:20 83	09:36 83S	15:50 274
2025 Oct 19 (Sun)	04:07 89	10:17 77S	16:25 268
2025 Oct 20 (Mon)	04:52 95	10:57 71S	16:59 262
2025 Oct 21 (Tue)	05:38 101	11:38 65S	17:35 256
2025 Oct 22 (Wed)	06:25 107	12:20 60S	18:13 251
2025 Oct 23 (Thu)	07:14 111	13:05 56S	18:54 247
2025 Oct 24 (Fri)	08:04 115	13:52 52S	19:38 243
2025 Oct 25 (Sat)	08:56 118	14:41 50S	20:26 241
2025 Oct 26 (Sun)	09:49 119	15:33 49S	21:16 241
2025 Oct 27 (Mon)	10:41 119	16:25 50S	22:10 242
2025 Oct 28 (Tue)	11:31 117	17:17 51S	23:04 244
2025 Oct 29 (Wed)	12:19 114	18:07 55S	23:58 248
2025 Oct 30 (Thu)	13:03 110	18:56 59S	
2025 Oct 31 (Fri)	13:46 104	19:44 65S	00:51 253
2025 Nov 01 (Sat)	14:27 98	20:31 72S	01:44 259
2025 Nov 02 (Sun)	15:08 91	21:18 79S	02:38 265
2025 Nov 03 (Mon)	15:50 84	22:08 86S	03:32 272
2025 Nov 04 (Tue)	16:36 77	23:01 89N	04:29 280
2025 Nov 05 (Wed)	17:26 70	23:58 82N	05:30 287
2025 Nov 06 (Thu)	18:21 65		06:34 293
2025 Nov 07 (Fri)	19:23 62	01:01 78N	07:43 297
2025 Nov 08 (Sat)	20:28 61	02:06 75N	08:51 299
2025 Nov 09 (Sun)	21:34 62	03:13 75N	09:57 299

2025 Nov 10 (Mon)	22:36 65	04:16 77N	10:56 296
2025 Nov 11 (Tue)	23:35 70	05:13 80N	11:48 292
2025 Nov 12 (Wed)		06:05 85N	12:33 287
2025 Nov 13 (Thu)	00:28 75	06:53 91N	13:14 282
2025 Nov 14 (Fri)	01:18 81	07:36 85S	13:51 276
2025 Nov 15 (Sat)	02:05 88	08:17 79S	14:26 269
2025 Nov 16 (Sun)	02:51 94	08:57 73S	15:01 263
2025 Nov 17 (Mon)	03:36 100	09:37 67S	15:36 258
2025 Nov 18 (Tue)	04:22 105	10:19 62S	16:13 253
2025 Nov 19 (Wed)	05:10 110	11:02 57S	16:53 248
2025 Nov 20 (Thu)	06:00 114	11:49 53S	17:36 244
2025 Nov 21 (Fri)	06:52 117	12:38 51S	18:22 242
2025 Nov 22 (Sat)	07:44 119	13:29 49S	19:12 241
2025 Nov 23 (Sun)	08:37 119	14:21 49S	20:05 241
2025 Nov 24 (Mon)	09:27 118	15:12 51S	20:59 243
2025 Nov 25 (Tue)	10:15 115	16:03 54S	21:52 246
2025 Nov 26 (Wed)	11:00 111	16:51 58S	22:45 251
2025 Nov 27 (Thu)	11:42 106	17:38 63S	23:36 256
2025 Nov 28 (Fri)	12:22 101	18:23 69S	
2025 Nov 29 (Sat)	13:01 94	19:09 76S	00:27 263
2025 Nov 30 (Sun)	13:41 87	19:55 82S	01:19 269
2025 Dec 01 (Mon)	14:24 80	20:45 89S	02:12 276
2025 Dec 02 (Tue)	15:10 74	21:38 86N	03:09 283
2025 Dec 03 (Wed)	16:02 68	22:37 80N	04:10 290
2025 Dec 04 (Thu)	17:00 63	23:42 76N	05:16 295
2025 Dec 05 (Fri)	18:04 61		06:25 298
2025 Dec 06 (Sat)	19:12 61	00:49 75N	07:34 299
2025 Dec 07 (Sun)	20:19 64	01:56 76N	08:39 298
2025 Dec 08 (Mon)	21:22 68	02:59 79N	09:36 294
2025 Dec 09 (Tue)	22:19 73	03:55 83N	10:26 289
2025 Dec 10 (Wed)	23:12 79	04:46 88N	11:10 284
2025 Dec 11 (Thu)		05:32 87S	11:49 277
2025 Dec 12 (Fri)	00:01 86	06:15 81S	12:26 271
2025 Dec 13 (Sat)	00:48 92	06:56 75S	13:01 265
2025 Dec 14 (Sun)	01:33 98	07:36 69S	13:36 259
2025 Dec 15 (Mon)	02:20 103	08:17 63S	14:13 254
2025 Dec 16 (Tue)	03:07 109	09:00 58S	14:51 249
2025 Dec 17 (Wed)	03:56 113	09:45 54S	15:33 245
2025 Dec 18 (Thu)	04:47 116	10:33 51S	16:19 243
2025 Dec 19 (Fri)	05:39 118	11:24 50S	17:08 241
2025 Dec 20 (Sat)	06:32 119	12:16 49S	18:00 241
2025 Dec 21 (Sun)	07:24 118	13:09 50S	18:54 243
2025 Dec 22 (Mon)	08:13 116	14:00 53S	19:48 246
2025 Dec 23 (Tue)	08:59 112	14:49 57S	20:41 250
2025 Dec 24 (Wed)	09:41 108	15:36 62S	21:33 255
2025 Dec 25 (Thu)	10:21 102	16:21 67S	22:23 261
2025 Dec 26 (Fri)	11:00 96	17:05 74S	23:13 267
2025 Dec 27 (Sat)	11:39 89	17:50 80S	
2025 Dec 28 (Sun)	12:18 83	18:36 87S	00:04 274
2025 Dec 29 (Mon)	13:01 76	19:26 88N	00:57 281
2025 Dec 30 (Tue)	13:48 70	20:20 82N	01:54 287
2025 Dec 31 (Wed)	14:41 65	21:20 78N	02:56 293