

Sun

Nonthaburi

Location: E100°29'31.2", N13°49'22.8", 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)	05:52	06:42	114	12:22	54S	18:02	247	18:51
2025	Jan	02 (Thu)	05:52	06:42	113	12:22	54S	18:02	247	18:52
2025	Jan	03 (Fri)	05:53	06:42	113	12:23	54S	18:03	247	18:52
2025	Jan	04 (Sat)	05:53	06:43	113	12:23	54S	18:03	247	18:53
2025	Jan	05 (Sun)	05:54	06:43	113	12:23	54S	18:04	247	18:53
2025	Jan	06 (Mon)	05:54	06:43	113	12:24	54S	18:04	247	18:54
2025	Jan	07 (Tue)	05:54	06:44	113	12:24	55S	18:05	247	18:54
2025	Jan	08 (Wed)	05:55	06:44	113	12:25	55S	18:06	247	18:55
2025	Jan	09 (Thu)	05:55	06:44	113	12:25	55S	18:06	247	18:55
2025	Jan	10 (Fri)	05:55	06:45	112	12:26	55S	18:07	248	18:56
2025	Jan	11 (Sat)	05:55	06:45	112	12:26	55S	18:07	248	18:56
2025	Jan	12 (Sun)	05:56	06:45	112	12:26	55S	18:08	248	18:57
2025	Jan	13 (Mon)	05:56	06:45	112	12:27	55S	18:08	248	18:58
2025	Jan	14 (Tue)	05:56	06:45	112	12:27	56S	18:09	248	18:58
2025	Jan	15 (Wed)	05:56	06:45	112	12:27	56S	18:09	249	18:59
2025	Jan	16 (Thu)	05:57	06:46	111	12:28	56S	18:10	249	18:59
2025	Jan	17 (Fri)	05:57	06:46	111	12:28	56S	18:11	249	18:59
2025	Jan	18 (Sat)	05:57	06:46	111	12:28	56S	18:11	249	19:00
2025	Jan	19 (Sun)	05:57	06:46	111	12:29	57S	18:12	249	19:00
2025	Jan	20 (Mon)	05:57	06:46	111	12:29	57S	18:12	250	19:01
2025	Jan	21 (Tue)	05:57	06:46	110	12:29	57S	18:13	250	19:01
2025	Jan	22 (Wed)	05:57	06:46	110	12:30	57S	18:13	250	19:02
2025	Jan	23 (Thu)	05:58	06:46	110	12:30	58S	18:14	250	19:02
2025	Jan	24 (Fri)	05:58	06:46	110	12:30	58S	18:14	251	19:03
2025	Jan	25 (Sat)	05:58	06:46	109	12:30	58S	18:15	251	19:03
2025	Jan	26 (Sun)	05:58	06:46	109	12:31	58S	18:15	251	19:04
2025	Jan	27 (Mon)	05:58	06:46	109	12:31	58S	18:16	251	19:04
2025	Jan	28 (Tue)	05:58	06:46	109	12:31	59S	18:16	252	19:04
2025	Jan	29 (Wed)	05:58	06:46	108	12:31	59S	18:17	252	19:05
2025	Jan	30 (Thu)	05:58	06:46	108	12:31	59S	18:17	252	19:05
2025	Jan	31 (Fri)	05:58	06:45	108	12:31	60S	18:18	252	19:05
2025	Feb	01 (Sat)	05:57	06:45	107	12:32	60S	18:18	253	19:06
2025	Feb	02 (Sun)	05:57	06:45	107	12:32	60S	18:18	253	19:06
2025	Feb	03 (Mon)	05:57	06:45	107	12:32	60S	18:19	253	19:07
2025	Feb	04 (Tue)	05:57	06:45	107	12:32	61S	18:19	254	19:07
2025	Feb	05 (Wed)	05:57	06:45	106	12:32	61S	18:20	254	19:07
2025	Feb	06 (Thu)	05:57	06:44	106	12:32	61S	18:20	254	19:08
2025	Feb	07 (Fri)	05:57	06:44	106	12:32	62S	18:20	255	19:08
2025	Feb	08 (Sat)	05:56	06:44	105	12:32	62S	18:21	255	19:08
2025	Feb	09 (Sun)	05:56	06:43	105	12:32	62S	18:21	255	19:08
2025	Feb	10 (Mon)	05:56	06:43	105	12:32	63S	18:22	256	19:09
2025	Feb	11 (Tue)	05:56	06:43	104	12:32	63S	18:22	256	19:09
2025	Feb	12 (Wed)	05:55	06:42	104	12:32	63S	18:22	256	19:09
2025	Feb	13 (Thu)	05:55	06:42	104	12:32	64S	18:23	257	19:10
2025	Feb	14 (Fri)	05:55	06:42	103	12:32	64S	18:23	257	19:10
2025	Feb	15 (Sat)	05:54	06:41	103	12:32	64S	18:23	257	19:10
2025	Feb	16 (Sun)	05:54	06:41	102	12:32	65S	18:23	258	19:10
2025	Feb	17 (Mon)	05:54	06:40	102	12:32	65S	18:24	258	19:10
2025	Feb	18 (Tue)	05:53	06:40	102	12:32	65S	18:24	258	19:11
2025	Feb	19 (Wed)	05:53	06:40	101	12:32	66S	18:24	259	19:11
2025	Feb	20 (Thu)	05:52	06:39	101	12:32	66S	18:24	259	19:11
2025	Feb	21 (Fri)	05:52	06:39	101	12:32	66S	18:25	260	19:11
2025	Feb	22 (Sat)	05:52	06:38	100	12:31	67S	18:25	260	19:12
2025	Feb	23 (Sun)	05:51	06:38	100	12:31	67S	18:25	260	19:12
2025	Feb	24 (Mon)	05:51	06:37	100	12:31	68S	18:25	261	19:12
2025	Feb	25 (Tue)	05:50	06:37	99	12:31	68S	18:26	261	19:12
2025	Feb	26 (Wed)	05:50	06:36	99	12:31	68S	18:26	261	19:12
2025	Feb	27 (Thu)	05:49	06:36	98	12:31	69S	18:26	262	19:12
2025	Feb	28 (Fri)	05:49	06:35	98	12:31	69S	18:26	262	19:13
2025	Mar	01 (Sat)	05:48	06:34	98	12:30	69S	18:26	263	19:13

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

2025	May	13	(Tue)	05:03	05:52	71	12:14	86N	18:37	289	19:26
2025	May	14	(Wed)	05:02	05:52	71	12:14	86N	18:37	290	19:27
2025	May	15	(Thu)	05:02	05:51	70	12:14	86N	18:37	290	19:27
2025	May	16	(Fri)	05:02	05:51	70	12:14	85N	18:38	290	19:27
2025	May	17	(Sat)	05:01	05:51	70	12:14	85N	18:38	290	19:28
2025	May	18	(Sun)	05:01	05:51	70	12:14	85N	18:38	290	19:28
2025	May	19	(Mon)	05:01	05:51	69	12:15	85N	18:39	291	19:28
2025	May	20	(Tue)	05:01	05:50	69	12:15	84N	18:39	291	19:29
2025	May	21	(Wed)	05:00	05:50	69	12:15	84N	18:39	291	19:29
2025	May	22	(Thu)	05:00	05:50	69	12:15	84N	18:39	291	19:29
2025	May	23	(Fri)	05:00	05:50	69	12:15	84N	18:40	292	19:30
2025	May	24	(Sat)	05:00	05:50	68	12:15	84N	18:40	292	19:30
2025	May	25	(Sun)	04:59	05:50	68	12:15	84N	18:40	292	19:31
2025	May	26	(Mon)	04:59	05:50	68	12:15	83N	18:41	292	19:31
2025	May	27	(Tue)	04:59	05:49	68	12:15	83N	18:41	292	19:31
2025	May	28	(Wed)	04:59	05:49	68	12:15	83N	18:41	292	19:32
2025	May	29	(Thu)	04:59	05:49	67	12:15	83N	18:42	293	19:32
2025	May	30	(Fri)	04:59	05:49	67	12:16	83N	18:42	293	19:33
2025	May	31	(Sat)	04:59	05:49	67	12:16	83N	18:42	293	19:33
2025	Jun	01	(Sun)	04:59	05:49	67	12:16	82N	18:43	293	19:33
2025	Jun	02	(Mon)	04:59	05:49	67	12:16	82N	18:43	293	19:34
2025	Jun	03	(Tue)	04:59	05:49	67	12:16	82N	18:43	293	19:34
2025	Jun	04	(Wed)	04:58	05:49	67	12:16	82N	18:44	293	19:34
2025	Jun	05	(Thu)	04:58	05:49	67	12:17	82N	18:44	294	19:35
2025	Jun	06	(Fri)	04:58	05:49	66	12:17	82N	18:44	294	19:35
2025	Jun	07	(Sat)	04:59	05:49	66	12:17	82N	18:44	294	19:35
2025	Jun	08	(Sun)	04:59	05:50	66	12:17	82N	18:45	294	19:36
2025	Jun	09	(Mon)	04:59	05:50	66	12:17	82N	18:45	294	19:36
2025	Jun	10	(Tue)	04:59	05:50	66	12:17	82N	18:45	294	19:36
2025	Jun	11	(Wed)	04:59	05:50	66	12:18	81N	18:46	294	19:37
2025	Jun	12	(Thu)	04:59	05:50	66	12:18	81N	18:46	294	19:37
2025	Jun	13	(Fri)	04:59	05:50	66	12:18	81N	18:46	294	19:37
2025	Jun	14	(Sat)	04:59	05:50	66	12:18	81N	18:46	294	19:38
2025	Jun	15	(Sun)	04:59	05:50	66	12:19	81N	18:47	294	19:38
2025	Jun	16	(Mon)	04:59	05:51	66	12:19	81N	18:47	294	19:38
2025	Jun	17	(Tue)	04:59	05:51	66	12:19	81N	18:47	294	19:38
2025	Jun	18	(Wed)	05:00	05:51	66	12:19	81N	18:47	294	19:39
2025	Jun	19	(Thu)	05:00	05:51	66	12:19	81N	18:48	294	19:39
2025	Jun	20	(Fri)	05:00	05:51	66	12:20	81N	18:48	294	19:39
2025	Jun	21	(Sat)	05:00	05:52	66	12:20	81N	18:48	294	19:39
2025	Jun	22	(Sun)	05:00	05:52	66	12:20	81N	18:48	294	19:40
2025	Jun	23	(Mon)	05:01	05:52	66	12:20	81N	18:49	294	19:40
2025	Jun	24	(Tue)	05:01	05:52	66	12:20	81N	18:49	294	19:40
2025	Jun	25	(Wed)	05:01	05:52	66	12:21	81N	18:49	294	19:40
2025	Jun	26	(Thu)	05:01	05:53	66	12:21	81N	18:49	294	19:40
2025	Jun	27	(Fri)	05:02	05:53	66	12:21	81N	18:49	294	19:40
2025	Jun	28	(Sat)	05:02	05:53	66	12:21	81N	18:49	294	19:41
2025	Jun	29	(Sun)	05:02	05:54	66	12:22	81N	18:50	294	19:41
2025	Jun	30	(Mon)	05:03	05:54	66	12:22	81N	18:50	294	19:41
2025	Jul	01	(Tue)	05:03	05:54	66	12:22	81N	18:50	294	19:41
2025	Jul	02	(Wed)	05:03	05:54	66	12:22	82N	18:50	294	19:41
2025	Jul	03	(Thu)	05:04	05:55	66	12:22	82N	18:50	294	19:41
2025	Jul	04	(Fri)	05:04	05:55	66	12:22	82N	18:50	294	19:41
2025	Jul	05	(Sat)	05:04	05:55	66	12:23	82N	18:50	294	19:41
2025	Jul	06	(Sun)	05:05	05:55	66	12:23	82N	18:50	294	19:41
2025	Jul	07	(Mon)	05:05	05:56	66	12:23	82N	18:50	293	19:41
2025	Jul	08	(Tue)	05:05	05:56	67	12:23	82N	18:50	293	19:41
2025	Jul	09	(Wed)	05:06	05:56	67	12:23	82N	18:50	293	19:41
2025	Jul	10	(Thu)	05:06	05:57	67	12:23	82N	18:50	293	19:41
2025	Jul	11	(Fri)	05:06	05:57	67	12:24	82N	18:50	293	19:41
2025	Jul	12	(Sat)	05:07	05:57	67	12:24	83N	18:50	293	19:41
2025	Jul	13	(Sun)	05:07	05:57	67	12:24	83N	18:50	293	19:41
2025	Jul	14	(Mon)	05:07	05:58	67	12:24	83N	18:50	292	19:40
2025	Jul	15	(Tue)	05:08	05:58	68	12:24	83N	18:50	292	19:40
2025	Jul	16	(Wed)	05:08	05:58	68	12:24	83N	18:50	292	19:40
2025	Jul	17	(Thu)	05:08	05:59	68	12:24	83N	18:50	292	19:40
2025	Jul	18	(Fri)	05:09	05:59	68	12:24	84N	18:50	292	19:40
2025	Jul	19	(Sat)	05:09	05:59	68	12:24	84N	18:49	292	19:40
2025	Jul	20	(Sun)	05:09	05:59	68	12:24	84N	18:49	291	19:39
2025	Jul	21	(Mon)	05:10	06:00	69	12:24	84N	18:49	291	19:39
2025	Jul	22	(Tue)	05:10	06:00	69	12:25	84N	18:49	291	19:39
2025	Jul	23	(Wed)	05:10	06:00	69	12:25	85N	18:49	291	19:39

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

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

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

Sun

Nonthaburi

Location: E100°29'31.2", N13°49'22.8", 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)	06:19	06:42 114		12:22 54S	18:02 247		18:25
2025 Jan 02 (Thu)	06:19	06:42 113		12:22 54S	18:02 247		18:25
2025 Jan 03 (Fri)	06:19	06:42 113		12:23 54S	18:02 247		18:26
2025 Jan 04 (Sat)	06:20	06:43 113		12:23 54S	18:03 247		18:26
2025 Jan 05 (Sun)	06:20	06:43 113		12:23 54S	18:04 247		18:27
2025 Jan 06 (Mon)	06:20	06:43 113		12:24 54S	18:04 247		18:27
2025 Jan 07 (Tue)	06:21	06:44 113		12:24 55S	18:05 247		18:28
2025 Jan 08 (Wed)	06:21	06:44 113		12:25 55S	18:06 247		18:28
2025 Jan 09 (Thu)	06:21	06:44 113		12:25 55S	18:06 247		18:29
2025 Jan 10 (Fri)	06:22	06:45 112		12:26 55S	18:07 248		18:30
2025 Jan 11 (Sat)	06:22	06:45 112		12:26 55S	18:07 248		18:30
2025 Jan 12 (Sun)	06:22	06:45 112		12:26 55S	18:08 248		18:31
2025 Jan 13 (Mon)	06:22	06:45 112		12:27 55S	18:08 248		18:31
2025 Jan 14 (Tue)	06:22	06:45 112		12:27 56S	18:09 248		18:32
2025 Jan 15 (Wed)	06:23	06:45 112		12:27 56S	18:09 249		18:32
2025 Jan 16 (Thu)	06:23	06:46 111		12:28 56S	18:10 249		18:33
2025 Jan 17 (Fri)	06:23	06:46 111		12:28 56S	18:11 249		18:33
2025 Jan 18 (Sat)	06:23	06:46 111		12:28 56S	18:11 249		18:34
2025 Jan 19 (Sun)	06:23	06:46 111		12:29 57S	18:12 249		18:34
2025 Jan 20 (Mon)	06:23	06:46 111		12:29 57S	18:12 250		18:35
2025 Jan 21 (Tue)	06:23	06:46 110		12:29 57S	18:13 250		18:35
2025 Jan 22 (Wed)	06:23	06:46 110		12:30 57S	18:13 250		18:36
2025 Jan 23 (Thu)	06:24	06:46 110		12:30 58S	18:14 250		18:36
2025 Jan 24 (Fri)	06:24	06:46 110		12:30 58S	18:14 251		18:37
2025 Jan 25 (Sat)	06:24	06:46 109		12:30 58S	18:15 251		18:37
2025 Jan 26 (Sun)	06:24	06:46 109		12:31 58S	18:15 251		18:38
2025 Jan 27 (Mon)	06:24	06:46 109		12:31 58S	18:16 251		18:38
2025 Jan 28 (Tue)	06:23	06:46 109		12:31 59S	18:16 252		18:39
2025 Jan 29 (Wed)	06:23	06:46 108		12:31 59S	18:17 252		18:39
2025 Jan 30 (Thu)	06:23	06:46 108		12:31 59S	18:17 252		18:39
2025 Jan 31 (Fri)	06:23	06:45 108		12:31 60S	18:18 252		18:40
2025 Feb 01 (Sat)	06:23	06:45 107		12:32 60S	18:18 253		18:40
2025 Feb 02 (Sun)	06:23	06:45 107		12:32 60S	18:18 253		18:41
2025 Feb 03 (Mon)	06:23	06:45 107		12:32 60S	18:19 253		18:41
2025 Feb 04 (Tue)	06:23	06:45 107		12:32 61S	18:19 254		18:41
2025 Feb 05 (Wed)	06:22	06:45 106		12:32 61S	18:20 254		18:42
2025 Feb 06 (Thu)	06:22	06:44 106		12:32 61S	18:20 254		18:42
2025 Feb 07 (Fri)	06:22	06:44 106		12:32 62S	18:20 255		18:42
2025 Feb 08 (Sat)	06:22	06:44 105		12:32 62S	18:21 255		18:43
2025 Feb 09 (Sun)	06:21	06:43 105		12:32 62S	18:21 255		18:43
2025 Feb 10 (Mon)	06:21	06:43 105		12:32 63S	18:22 256		18:43
2025 Feb 11 (Tue)	06:21	06:43 104		12:32 63S	18:22 256		18:44

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

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

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

2025	Sep	16	(Tue)	05:46	06:07	87	12:13	79S	18:19	273	18:40
2025	Sep	17	(Wed)	05:46	06:07	87	12:13	79S	18:18	272	18:39
2025	Sep	18	(Thu)	05:46	06:07	88	12:12	79S	18:17	272	18:38
2025	Sep	19	(Fri)	05:46	06:07	88	12:12	78S	18:16	272	18:38
2025	Sep	20	(Sat)	05:46	06:07	89	12:11	78S	18:16	271	18:37
2025	Sep	21	(Sun)	05:46	06:07	89	12:11	77S	18:15	271	18:36
2025	Sep	22	(Mon)	05:46	06:07	89	12:11	77S	18:14	270	18:36
2025	Sep	23	(Tue)	05:46	06:07	90	12:10	77S	18:13	270	18:35
2025	Sep	24	(Wed)	05:46	06:07	90	12:10	76S	18:13	270	18:34
2025	Sep	25	(Thu)	05:46	06:07	91	12:10	76S	18:12	269	18:33
2025	Sep	26	(Fri)	05:46	06:07	91	12:09	76S	18:11	269	18:33
2025	Sep	27	(Sat)	05:46	06:07	91	12:09	75S	18:11	268	18:32
2025	Sep	28	(Sun)	05:46	06:07	92	12:09	75S	18:10	268	18:31
2025	Sep	29	(Mon)	05:46	06:07	92	12:08	74S	18:09	268	18:30
2025	Sep	30	(Tue)	05:46	06:07	93	12:08	74S	18:08	267	18:30
2025	Oct	01	(Wed)	05:46	06:08	93	12:08	74S	18:08	267	18:29
2025	Oct	02	(Thu)	05:46	06:08	93	12:07	73S	18:07	266	18:28
2025	Oct	03	(Fri)	05:46	06:08	94	12:07	73S	18:06	266	18:28
2025	Oct	04	(Sat)	05:46	06:08	94	12:07	72S	18:06	266	18:27
2025	Oct	05	(Sun)	05:46	06:08	95	12:06	72S	18:05	265	18:26
2025	Oct	06	(Mon)	05:47	06:08	95	12:06	72S	18:04	265	18:26
2025	Oct	07	(Tue)	05:47	06:08	95	12:06	71S	18:04	264	18:25
2025	Oct	08	(Wed)	05:47	06:08	96	12:06	71S	18:03	264	18:24
2025	Oct	09	(Thu)	05:47	06:08	96	12:05	71S	18:02	264	18:24
2025	Oct	10	(Fri)	05:47	06:08	97	12:05	70S	18:02	263	18:23
2025	Oct	11	(Sat)	05:47	06:08	97	12:05	70S	18:01	263	18:22
2025	Oct	12	(Sun)	05:47	06:08	97	12:05	69S	18:00	262	18:22
2025	Oct	13	(Mon)	05:47	06:09	98	12:04	69S	18:00	262	18:21
2025	Oct	14	(Tue)	05:47	06:09	98	12:04	69S	17:59	262	18:21
2025	Oct	15	(Wed)	05:47	06:09	99	12:04	68S	17:59	261	18:20
2025	Oct	16	(Thu)	05:48	06:09	99	12:04	68S	17:58	261	18:20
2025	Oct	17	(Fri)	05:48	06:09	99	12:03	68S	17:57	260	18:19
2025	Oct	18	(Sat)	05:48	06:09	100	12:03	67S	17:57	260	18:18
2025	Oct	19	(Sun)	05:48	06:10	100	12:03	67S	17:56	260	18:18
2025	Oct	20	(Mon)	05:48	06:10	100	12:03	66S	17:56	259	18:17
2025	Oct	21	(Tue)	05:48	06:10	101	12:03	66S	17:55	259	18:17
2025	Oct	22	(Wed)	05:48	06:10	101	12:03	66S	17:55	259	18:16
2025	Oct	23	(Thu)	05:49	06:10	102	12:02	65S	17:54	258	18:16
2025	Oct	24	(Fri)	05:49	06:11	102	12:02	65S	17:54	258	18:16
2025	Oct	25	(Sat)	05:49	06:11	102	12:02	65S	17:53	258	18:15
2025	Oct	26	(Sun)	05:49	06:11	103	12:02	64S	17:53	257	18:15
2025	Oct	27	(Mon)	05:49	06:11	103	12:02	64S	17:52	257	18:14
2025	Oct	28	(Tue)	05:50	06:11	103	12:02	64S	17:52	257	18:14
2025	Oct	29	(Wed)	05:50	06:12	104	12:02	63S	17:52	256	18:13
2025	Oct	30	(Thu)	05:50	06:12	104	12:02	63S	17:51	256	18:13
2025	Oct	31	(Fri)	05:50	06:12	104	12:02	63S	17:51	256	18:13
2025	Nov	01	(Sat)	05:51	06:13	105	12:02	62S	17:50	255	18:12
2025	Nov	02	(Sun)	05:51	06:13	105	12:02	62S	17:50	255	18:12
2025	Nov	03	(Mon)	05:51	06:13	105	12:02	62S	17:50	255	18:12
2025	Nov	04	(Tue)	05:52	06:14	106	12:02	61S	17:50	254	18:12
2025	Nov	05	(Wed)	05:52	06:14	106	12:02	61S	17:49	254	18:11
2025	Nov	06	(Thu)	05:52	06:14	106	12:02	61S	17:49	254	18:11
2025	Nov	07	(Fri)	05:52	06:15	107	12:02	61S	17:49	253	18:11
2025	Nov	08	(Sat)	05:53	06:15	107	12:02	60S	17:48	253	18:11
2025	Nov	09	(Sun)	05:53	06:15	107	12:02	60S	17:48	253	18:10
2025	Nov	10	(Mon)	05:54	06:16	107	12:02	60S	17:48	252	18:10
2025	Nov	11	(Tue)	05:54	06:16	108	12:02	59S	17:48	252	18:10
2025	Nov	12	(Wed)	05:54	06:17	108	12:02	59S	17:48	252	18:10
2025	Nov	13	(Thu)	05:55	06:17	108	12:02	59S	17:48	252	18:10
2025	Nov	14	(Fri)	05:55	06:17	109	12:02	59S	17:47	251	18:10
2025	Nov	15	(Sat)	05:55	06:18	109	12:03	58S	17:47	251	18:10
2025	Nov	16	(Sun)	05:56	06:18	109	12:03	58S	17:47	251	18:10
2025	Nov	17	(Mon)	05:56	06:19	109	12:03	58S	17:47	251	18:10
2025	Nov	18	(Tue)	05:57	06:19	110	12:03	58S	17:47	250	18:10
2025	Nov	19	(Wed)	05:57	06:20	110	12:03	57S	17:47	250	18:10
2025	Nov	20	(Thu)	05:58	06:20	110	12:04	57S	17:47	250	18:10
2025	Nov	21	(Fri)	05:58	06:21	110	12:04	57S	17:47	250	18:10
2025	Nov	22	(Sat)	05:58	06:21	111	12:04	57S	17:47	249	18:10
2025	Nov	23	(Sun)	05:59	06:22	111	12:04	56S	17:47	249	18:10
2025	Nov	24	(Mon)	05:59	06:22	111	12:05	56S	17:47	249	18:10
2025	Nov	25	(Tue)	06:00	06:23	111	12:05	56S	17:47	249	18:10
2025	Nov	26	(Wed)	06:00	06:23	111	12:05	56S	17:47	249	18:10

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

Moon

Nonthaburi

Location: E100°29'31.2", N13°49'22.8", 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)	07:51	117		13:36	51S	19:23 245
2025	Jan	02	(Thu)	08:41	113		14:31	55S	20:22 250
2025	Jan	03	(Fri)	09:28	107		15:22	61S	21:19 255
2025	Jan	04	(Sat)	10:11	101		16:11	67S	22:15 262
2025	Jan	05	(Sun)	10:52	94		16:58	74S	23:09 269
2025	Jan	06	(Mon)	11:32	87		17:46	81S	
2025	Jan	07	(Tue)	12:13	80		18:34	88S	00:03 276
2025	Jan	08	(Wed)	12:56	74		19:25	87N	00:59 283
2025	Jan	09	(Thu)	13:43	68		20:19	82N	01:57 289
2025	Jan	10	(Fri)	14:35	64		21:17	78N	02:58 294
2025	Jan	11	(Sat)	15:32	61		22:18	76N	04:01 298
2025	Jan	12	(Sun)	16:33	61		23:20	76N	05:05 299
2025	Jan	13	(Mon)	17:35	62				06:05 299
2025	Jan	14	(Tue)	18:35	65		00:19	78N	07:01 296
2025	Jan	15	(Wed)	19:32	70		01:14	81N	07:50 293
2025	Jan	16	(Thu)	20:24	75		02:04	86N	08:33 288
2025	Jan	17	(Fri)	21:13	81		02:50	90S	09:12 282
2025	Jan	18	(Sat)	22:00	87		03:32	84S	09:48 276
2025	Jan	19	(Sun)	22:46	93		04:13	78S	10:22 270
2025	Jan	20	(Mon)	23:31	99		04:52	72S	10:55 264
2025	Jan	21	(Tue)				05:31	66S	11:29 258
2025	Jan	22	(Wed)	00:17	105		06:12	61S	12:05 253
2025	Jan	23	(Thu)	01:05	110		06:56	56S	12:44 248
2025	Jan	24	(Fri)	01:56	114		07:43	52S	13:28 244
2025	Jan	25	(Sat)	02:50	117		08:34	49S	14:16 242

2025	Jan	26	(Sun)	03:46	119	09:28	48S	15:10	241
2025	Jan	27	(Mon)	04:43	119	10:25	48S	16:08	241
2025	Jan	28	(Tue)	05:39	118	11:23	50S	17:08	243
2025	Jan	29	(Wed)	06:32	115	12:20	53S	18:09	248
2025	Jan	30	(Thu)	07:21	110	13:14	59S	19:09	253
2025	Jan	31	(Fri)	08:07	104	14:05	65S	20:06	260
2025	Feb	01	(Sat)	08:49	97	14:54	72S	21:03	267
2025	Feb	02	(Sun)	09:31	89	15:42	79S	21:58	274
2025	Feb	03	(Mon)	10:12	82	16:31	86S	22:54	281
2025	Feb	04	(Tue)	10:55	75	17:22	89N	23:52	288
2025	Feb	05	(Wed)	11:41	70	18:15	83N		
2025	Feb	06	(Thu)	12:31	65	19:11	79N	00:52	293
2025	Feb	07	(Fri)	13:25	62	20:10	76N	01:54	297
2025	Feb	08	(Sat)	14:24	61	21:10	76N	02:56	299
2025	Feb	09	(Sun)	15:24	61	22:09	77N	03:56	299
2025	Feb	10	(Mon)	16:24	64	23:05	80N	04:52	298
2025	Feb	11	(Tue)	17:21	68	23:56	84N	05:43	294
2025	Feb	12	(Wed)	18:15	73			06:28	290
2025	Feb	13	(Thu)	19:05	78	00:43	89N	07:08	284
2025	Feb	14	(Fri)	19:53	85	01:27	87S	07:45	278
2025	Feb	15	(Sat)	20:39	91	02:08	81S	08:20	272
2025	Feb	16	(Sun)	21:24	97	02:48	74S	08:53	266
2025	Feb	17	(Mon)	22:10	103	03:27	69S	09:27	260
2025	Feb	18	(Tue)	22:57	108	04:07	63S	10:02	255
2025	Feb	19	(Wed)	23:47	112	04:50	58S	10:40	250
2025	Feb	20	(Thu)			05:35	54S	11:21	246
2025	Feb	21	(Fri)	00:39	116	06:23	50S	12:06	243
2025	Feb	22	(Sat)	01:33	119	07:15	48S	12:56	241
2025	Feb	23	(Sun)	02:29	120	08:10	48S	13:52	240
2025	Feb	24	(Mon)	03:25	119	09:07	49S	14:50	242
2025	Feb	25	(Tue)	04:18	117	10:04	51S	15:51	245
2025	Feb	26	(Wed)	05:09	112	10:59	56S	16:51	250
2025	Feb	27	(Thu)	05:57	107	11:52	62S	17:51	256
2025	Feb	28	(Fri)	06:41	100	12:43	68S	18:49	263
2025	Mar	01	(Sat)	07:24	93	13:33	76S	19:46	271
2025	Mar	02	(Sun)	08:07	85	14:23	83S	20:44	279
2025	Mar	03	(Mon)	08:50	78	15:15	90S	21:43	286
2025	Mar	04	(Tue)	09:36	71	16:09	85N	22:44	292
2025	Mar	05	(Wed)	10:26	66	17:05	80N	23:47	296
2025	Mar	06	(Thu)	11:21	62	18:05	77N		
2025	Mar	07	(Fri)	12:18	61	19:05	76N	00:50	299
2025	Mar	08	(Sat)	13:18	61	20:04	76N	01:52	300
2025	Mar	09	(Sun)	14:18	63	21:00	79N	02:49	298
2025	Mar	10	(Mon)	15:15	66	21:52	82N	03:40	296
2025	Mar	11	(Tue)	16:09	71	22:40	87N	04:26	291
2025	Mar	12	(Wed)	17:00	76	23:24	89S	05:07	286
2025	Mar	13	(Thu)	17:48	82			05:45	281
2025	Mar	14	(Fri)	18:34	88	00:05	83S	06:19	275
2025	Mar	15	(Sat)	19:19	95	00:45	77S	06:53	269
2025	Mar	16	(Sun)	20:05	100	01:24	71S	07:27	263
2025	Mar	17	(Mon)	20:52	106	02:04	65S	08:01	257
2025	Mar	18	(Tue)	21:40	111	02:46	60S	08:37	252
2025	Mar	19	(Wed)	22:31	115	03:30	55S	09:17	247
2025	Mar	20	(Thu)	23:24	118	04:16	51S	10:00	244
2025	Mar	21	(Fri)			05:06	49S	10:48	241
2025	Mar	22	(Sat)	00:18	119	05:59	48S	11:40	240
2025	Mar	23	(Sun)	01:13	120	06:54	48S	12:36	241
2025	Mar	24	(Mon)	02:06	118	07:49	50S	13:34	243
2025	Mar	25	(Tue)	02:57	115	08:44	53S	14:33	247
2025	Mar	26	(Wed)	03:45	110	09:37	59S	15:32	253
2025	Mar	27	(Thu)	04:30	104	10:28	65S	16:30	260
2025	Mar	28	(Fri)	05:13	97	11:19	72S	17:28	267
2025	Mar	29	(Sat)	05:56	89	12:09	79S	18:26	275
2025	Mar	30	(Sun)	06:40	81	13:01	87S	19:26	282
2025	Mar	31	(Mon)	07:26	74	13:55	88N	20:28	289
2025	Apr	01	(Tue)	08:16	68	14:53	82N	21:33	294
2025	Apr	02	(Wed)	09:11	64	15:54	78N	22:39	298
2025	Apr	03	(Thu)	10:10	61	16:56	76N	23:43	300
2025	Apr	04	(Fri)	11:11	60	17:57	76N		
2025	Apr	05	(Sat)	12:12	62	18:56	78N	00:43	299
2025	Apr	06	(Sun)	13:10	65	19:49	81N	01:37	297
2025	Apr	07	(Mon)	14:06	69	20:38	86N	02:25	293

2025 Apr 08 (Tue)	14:57 75	21:23 90S	03:07 288
2025 Apr 09 (Wed)	15:45 80	22:05 85S	03:46 282
2025 Apr 10 (Thu)	16:32 86	22:45 79S	04:21 277
2025 Apr 11 (Fri)	17:17 92	23:24 73S	04:55 271
2025 Apr 12 (Sat)	18:02 98		05:28 265
2025 Apr 13 (Sun)	18:48 104	00:03 67S	06:02 259
2025 Apr 14 (Mon)	19:36 109	00:44 62S	06:37 253
2025 Apr 15 (Tue)	20:26 114	01:27 57S	07:16 249
2025 Apr 16 (Wed)	21:18 117	02:13 53S	07:58 245
2025 Apr 17 (Thu)	22:12 119	03:02 50S	08:44 242
2025 Apr 18 (Fri)	23:06 120	03:53 48S	09:34 241
2025 Apr 19 (Sat)	23:59 119	04:47 48S	10:28 241
2025 Apr 20 (Sun)		05:41 49S	11:24 242
2025 Apr 21 (Mon)	00:49 116	06:34 52S	12:21 246
2025 Apr 22 (Tue)	01:36 112	07:26 56S	13:18 250
2025 Apr 23 (Wed)	02:21 107	08:16 62S	14:14 256
2025 Apr 24 (Thu)	03:04 100	09:05 68S	15:10 263
2025 Apr 25 (Fri)	03:46 93	09:54 76S	16:07 271
2025 Apr 26 (Sat)	04:28 85	10:45 83S	17:05 278
2025 Apr 27 (Sun)	05:13 78	11:38 90S	18:06 286
2025 Apr 28 (Mon)	06:01 71	12:34 85N	19:11 292
2025 Apr 29 (Tue)	06:55 66	13:35 80N	20:18 296
2025 Apr 30 (Wed)	07:54 62	14:39 77N	21:26 299
2025 May 01 (Thu)	08:56 61	15:44 76N	22:31 299
2025 May 02 (Fri)	10:00 61	16:45 77N	23:29 298
2025 May 03 (Sat)	11:02 64	17:43 80N	
2025 May 04 (Sun)	11:59 68	18:34 84N	00:21 294
2025 May 05 (Mon)	12:53 73	19:21 89N	01:06 290
2025 May 06 (Tue)	13:43 79	20:04 86S	01:46 284
2025 May 07 (Wed)	14:29 85	20:44 81S	02:22 278
2025 May 08 (Thu)	15:15 91	21:24 75S	02:56 272
2025 May 09 (Fri)	16:00 97	22:03 69S	03:29 266
2025 May 10 (Sat)	16:45 102	22:43 63S	04:03 261
2025 May 11 (Sun)	17:33 108	23:25 58S	04:38 255
2025 May 12 (Mon)	18:22 112		05:15 250
2025 May 13 (Tue)	19:14 116	00:10 54S	05:56 246
2025 May 14 (Wed)	20:07 118	00:58 51S	06:41 243
2025 May 15 (Thu)	21:01 119	01:49 48S	07:31 241
2025 May 16 (Fri)	21:54 119	02:42 48S	08:23 241
2025 May 17 (Sat)	22:45 117	03:36 49S	09:19 242
2025 May 18 (Sun)	23:33 113	04:29 51S	10:15 245
2025 May 19 (Mon)		05:21 55S	11:11 249
2025 May 20 (Tue)	00:17 108	06:10 60S	12:06 254
2025 May 21 (Wed)	00:59 103	06:58 66S	13:00 261
2025 May 22 (Thu)	01:40 96	07:45 73S	13:54 268
2025 May 23 (Fri)	02:20 89	08:33 80S	14:49 275
2025 May 24 (Sat)	03:02 82	09:23 87S	15:47 282
2025 May 25 (Sun)	03:48 75	10:16 88N	16:49 289
2025 May 26 (Mon)	04:38 68	11:15 82N	17:55 294
2025 May 27 (Tue)	05:34 64	12:17 78N	19:03 298
2025 May 28 (Wed)	06:36 61	13:23 76N	20:10 299
2025 May 29 (Thu)	07:41 61	14:28 76N	21:14 298
2025 May 30 (Fri)	08:46 63	15:29 79N	22:10 296
2025 May 31 (Sat)	09:47 66	16:25 82N	22:59 291
2025 Jun 01 (Sun)	10:44 71	17:15 87N	23:42 286
2025 Jun 02 (Mon)	11:36 77	18:00 88S	
2025 Jun 03 (Tue)	12:25 83	18:42 82S	00:21 280
2025 Jun 04 (Wed)	13:11 89	19:22 76S	00:56 274
2025 Jun 05 (Thu)	13:57 95	20:01 71S	01:30 268
2025 Jun 06 (Fri)	14:42 101	20:41 65S	02:03 262
2025 Jun 07 (Sat)	15:29 106	21:23 60S	02:38 257
2025 Jun 08 (Sun)	16:17 111	22:07 55S	03:14 252
2025 Jun 09 (Mon)	17:08 115	22:54 52S	03:54 247
2025 Jun 10 (Tue)	18:02 118	23:44 49S	04:38 244
2025 Jun 11 (Wed)	18:56 119		05:26 241
2025 Jun 12 (Thu)	19:50 119	00:37 48S	06:19 241
2025 Jun 13 (Fri)	20:42 117	01:32 48S	07:14 241
2025 Jun 14 (Sat)	21:31 114	02:26 50S	08:10 244
2025 Jun 15 (Sun)	22:16 110	03:18 54S	09:07 248
2025 Jun 16 (Mon)	22:58 104	04:08 58S	10:02 253
2025 Jun 17 (Tue)	23:38 98	04:55 64S	10:55 259
2025 Jun 18 (Wed)		05:42 71S	11:48 265

2025 Jun 19 (Thu)	00:18 91	06:28 77S	12:41 272
2025 Jun 20 (Fri)	00:58 84	07:15 84S	13:36 280
2025 Jun 21 (Sat)	01:40 77	08:05 90N	14:34 286
2025 Jun 22 (Sun)	02:27 71	09:00 84N	15:36 292
2025 Jun 23 (Mon)	03:19 66	09:59 80N	16:42 296
2025 Jun 24 (Tue)	04:17 62	11:02 77N	17:49 299
2025 Jun 25 (Wed)	05:20 61	12:07 76N	18:55 299
2025 Jun 26 (Thu)	06:25 62	13:11 77N	19:55 297
2025 Jun 27 (Fri)	07:30 64	14:10 81N	20:48 293
2025 Jun 28 (Sat)	08:30 69	15:04 85N	21:35 288
2025 Jun 29 (Sun)	09:25 74	15:53 91N	22:16 283
2025 Jun 30 (Mon)	10:17 80	16:37 85S	22:53 277
2025 Jul 01 (Tue)	11:05 86	17:18 79S	23:28 270
2025 Jul 02 (Wed)	11:51 93	17:58 73S	
2025 Jul 03 (Thu)	12:37 99	18:38 67S	00:02 264
2025 Jul 04 (Fri)	13:23 104	19:19 61S	00:37 259
2025 Jul 05 (Sat)	14:11 109	20:02 57S	01:12 253
2025 Jul 06 (Sun)	15:01 114	20:48 53S	01:51 249
2025 Jul 07 (Mon)	15:54 117	21:38 50S	02:33 245
2025 Jul 08 (Tue)	16:48 119	22:30 48S	03:20 242
2025 Jul 09 (Wed)	17:43 119	23:24 48S	04:11 241
2025 Jul 10 (Thu)	18:36 118		05:06 241
2025 Jul 11 (Fri)	19:27 115	00:19 49S	06:03 243
2025 Jul 12 (Sat)	20:14 111	01:13 52S	07:00 246
2025 Jul 13 (Sun)	20:58 106	02:04 57S	07:57 251
2025 Jul 14 (Mon)	21:39 100	02:53 62S	08:51 257
2025 Jul 15 (Tue)	22:18 93	03:40 69S	09:45 264
2025 Jul 16 (Wed)	22:58 86	04:26 76S	10:38 271
2025 Jul 17 (Thu)	23:39 79	05:13 82S	11:32 278
2025 Jul 18 (Fri)		06:01 89S	12:28 284
2025 Jul 19 (Sat)	00:22 73	06:53 86N	13:27 290
2025 Jul 20 (Sun)	01:11 67	07:49 81N	14:29 295
2025 Jul 21 (Mon)	02:05 63	08:49 77N	15:34 298
2025 Jul 22 (Tue)	03:05 61	09:52 76N	16:39 299
2025 Jul 23 (Wed)	04:08 61	10:55 76N	17:40 298
2025 Jul 24 (Thu)	05:12 63	11:56 79N	18:36 295
2025 Jul 25 (Fri)	06:14 67	12:52 83N	19:26 291
2025 Jul 26 (Sat)	07:12 72	13:43 88N	20:09 285
2025 Jul 27 (Sun)	08:06 78	14:29 87S	20:49 279
2025 Jul 28 (Mon)	08:56 84	15:12 81S	21:25 273
2025 Jul 29 (Tue)	09:44 90	15:53 75S	22:00 267
2025 Jul 30 (Wed)	10:30 96	16:33 69S	22:34 261
2025 Jul 31 (Thu)	11:17 102	17:14 63S	23:09 255
2025 Aug 01 (Fri)	12:04 108	17:57 58S	23:47 250
2025 Aug 02 (Sat)	12:53 112	18:41 54S	
2025 Aug 03 (Sun)	13:45 116	19:29 51S	00:28 246
2025 Aug 04 (Mon)	14:38 118	20:20 48S	01:12 243
2025 Aug 05 (Tue)	15:33 119	21:14 48S	02:02 241
2025 Aug 06 (Wed)	16:27 119	22:09 49S	02:55 241
2025 Aug 07 (Thu)	17:19 117	23:03 51S	03:52 242
2025 Aug 08 (Fri)	18:08 113	23:56 55S	04:49 245
2025 Aug 09 (Sat)	18:53 108		05:47 249
2025 Aug 10 (Sun)	19:36 102	00:47 60S	06:43 255
2025 Aug 11 (Mon)	20:17 95	01:36 66S	07:38 261
2025 Aug 12 (Tue)	20:57 88	02:23 73S	08:33 268
2025 Aug 13 (Wed)	21:38 81	03:10 80S	09:27 276
2025 Aug 14 (Thu)	22:21 74	03:59 87S	10:23 283
2025 Aug 15 (Fri)	23:08 69	04:49 88N	11:21 289
2025 Aug 16 (Sat)	24:00 64	05:44 82N	12:22 294
2025 Aug 17 (Sun)		06:42 78N	13:26 298
2025 Aug 18 (Mon)	00:57 61	07:43 76N	14:30 299
2025 Aug 19 (Tue)	01:58 61	08:45 76N	15:31 299
2025 Aug 20 (Wed)	03:01 62	09:45 78N	16:28 297
2025 Aug 21 (Thu)	04:02 65	10:42 81N	17:19 293
2025 Aug 22 (Fri)	05:01 69	11:34 86N	18:04 288
2025 Aug 23 (Sat)	05:56 75	12:22 90S	18:44 282
2025 Aug 24 (Sun)	06:47 81	13:06 84S	19:22 276
2025 Aug 25 (Mon)	07:35 88	13:48 78S	19:57 269
2025 Aug 26 (Tue)	08:23 94	14:29 71S	20:31 263
2025 Aug 27 (Wed)	09:09 100	15:09 66S	21:07 257
2025 Aug 28 (Thu)	09:57 106	15:51 60S	21:43 252
2025 Aug 29 (Fri)	10:45 110	16:35 56S	22:23 247

2025 Aug 30 (Sat)	11:36 115	17:21 52S	23:05 244
2025 Aug 31 (Sun)	12:28 118	18:11 49S	23:52 241
2025 Sep 01 (Mon)	13:22 119	19:03 48S	
2025 Sep 02 (Tue)	14:15 119	19:56 48S	00:44 240
2025 Sep 03 (Wed)	15:08 118	20:51 50S	01:38 241
2025 Sep 04 (Thu)	15:58 115	21:44 53S	02:35 243
2025 Sep 05 (Fri)	16:45 111	22:36 58S	03:33 247
2025 Sep 06 (Sat)	17:29 105	23:26 64S	04:30 252
2025 Sep 07 (Sun)	18:11 98		05:26 258
2025 Sep 08 (Mon)	18:52 91	00:15 70S	06:21 265
2025 Sep 09 (Tue)	19:34 84	01:03 77S	07:17 273
2025 Sep 10 (Wed)	20:18 77	01:52 85S	08:14 280
2025 Sep 11 (Thu)	21:04 70	02:43 90N	09:13 287
2025 Sep 12 (Fri)	21:56 65	03:38 84N	10:15 293
2025 Sep 13 (Sat)	22:52 62	04:36 79N	11:19 297
2025 Sep 14 (Sun)	23:52 61	05:37 76N	12:23 299
2025 Sep 15 (Mon)		06:39 76N	13:26 299
2025 Sep 16 (Tue)	00:54 61	07:40 77N	14:23 298
2025 Sep 17 (Wed)	01:55 64	08:37 80N	15:15 294
2025 Sep 18 (Thu)	02:54 68	09:29 84N	16:01 290
2025 Sep 19 (Fri)	03:49 73	10:17 89N	16:42 284
2025 Sep 20 (Sat)	04:41 79	11:02 86S	17:20 278
2025 Sep 21 (Sun)	05:29 85	11:44 80S	17:56 272
2025 Sep 22 (Mon)	06:17 91	12:25 74S	18:30 265
2025 Sep 23 (Tue)	07:03 98	13:06 68S	19:05 260
2025 Sep 24 (Wed)	07:50 103	13:47 62S	19:41 254
2025 Sep 25 (Thu)	08:38 109	14:30 57S	20:19 249
2025 Sep 26 (Fri)	09:28 113	15:15 53S	21:01 245
2025 Sep 27 (Sat)	10:20 117	16:03 50S	21:46 242
2025 Sep 28 (Sun)	11:12 119	16:54 48S	22:35 241
2025 Sep 29 (Mon)	12:05 120	17:46 48S	23:27 241
2025 Sep 30 (Tue)	12:58 119	18:39 49S	
2025 Oct 01 (Wed)	13:48 117	19:32 51S	00:22 242
2025 Oct 02 (Thu)	14:35 113	20:23 55S	01:18 245
2025 Oct 03 (Fri)	15:20 108	21:13 61S	02:14 249
2025 Oct 04 (Sat)	16:02 102	22:02 67S	03:10 255
2025 Oct 05 (Sun)	16:44 95	22:50 74S	04:05 262
2025 Oct 06 (Mon)	17:25 87	23:40 81S	05:01 269
2025 Oct 07 (Tue)	18:09 80		05:58 276
2025 Oct 08 (Wed)	18:55 73	00:31 88S	06:57 284
2025 Oct 09 (Thu)	19:46 67	01:26 86N	08:00 290
2025 Oct 10 (Fri)	20:43 63	02:24 81N	09:06 295
2025 Oct 11 (Sat)	21:44 61	03:27 77N	10:13 298
2025 Oct 12 (Sun)	22:47 61	04:31 76N	11:18 299
2025 Oct 13 (Mon)	23:50 63	05:33 76N	12:18 298
2025 Oct 14 (Tue)		06:32 79N	13:13 295
2025 Oct 15 (Wed)	00:49 67	07:26 83N	14:00 291
2025 Oct 16 (Thu)	01:45 71	08:16 88N	14:43 286
2025 Oct 17 (Fri)	02:37 77	09:01 88S	15:21 280
2025 Oct 18 (Sat)	03:26 83	09:43 82S	15:57 274
2025 Oct 19 (Sun)	04:13 89	10:24 76S	16:31 268
2025 Oct 20 (Mon)	05:00 96	11:04 70S	17:05 262
2025 Oct 21 (Tue)	05:46 101	11:45 64S	17:41 256
2025 Oct 22 (Wed)	06:34 107	12:27 59S	18:18 251
2025 Oct 23 (Thu)	07:23 112	13:12 55S	18:58 247
2025 Oct 24 (Fri)	08:14 115	13:59 51S	19:42 243
2025 Oct 25 (Sat)	09:06 118	14:48 49S	20:30 241
2025 Oct 26 (Sun)	09:59 119	15:40 48S	21:20 241
2025 Oct 27 (Mon)	10:51 119	16:32 48S	22:14 241
2025 Oct 28 (Tue)	11:40 117	17:23 50S	23:08 244
2025 Oct 29 (Wed)	12:28 114	18:14 54S	
2025 Oct 30 (Thu)	13:12 110	19:03 58S	00:03 248
2025 Oct 31 (Fri)	13:54 104	19:50 64S	00:57 252
2025 Nov 01 (Sat)	14:34 98	20:38 70S	01:50 258
2025 Nov 02 (Sun)	15:15 91	21:25 77S	02:44 265
2025 Nov 03 (Mon)	15:57 84	22:15 85S	03:39 273
2025 Nov 04 (Tue)	16:41 77	23:08 90N	04:37 280
2025 Nov 05 (Wed)	17:31 70		05:38 287
2025 Nov 06 (Thu)	18:26 65	00:05 84N	06:43 293
2025 Nov 07 (Fri)	19:27 62	01:08 79N	07:52 297
2025 Nov 08 (Sat)	20:32 61	02:13 76N	09:01 299
2025 Nov 09 (Sun)	21:38 62	03:19 76N	10:06 299

2025 Nov 10 (Mon)	22:41 65	04:23 78N	11:05 296
2025 Nov 11 (Tue)	23:40 70	05:20 81N	11:57 292
2025 Nov 12 (Wed)		06:12 86N	12:42 287
2025 Nov 13 (Thu)	00:34 75	06:59 90S	13:21 282
2025 Nov 14 (Fri)	01:24 81	07:43 84S	13:58 276
2025 Nov 15 (Sat)	02:11 88	08:24 78S	14:33 269
2025 Nov 16 (Sun)	02:58 94	09:04 72S	15:07 263
2025 Nov 17 (Mon)	03:44 100	09:44 66S	15:41 258
2025 Nov 18 (Tue)	04:31 105	10:26 61S	16:18 252
2025 Nov 19 (Wed)	05:19 110	11:09 56S	16:57 248
2025 Nov 20 (Thu)	06:09 114	11:55 52S	17:40 244
2025 Nov 21 (Fri)	07:01 117	12:44 49S	18:26 242
2025 Nov 22 (Sat)	07:54 119	13:35 48S	19:16 241
2025 Nov 23 (Sun)	08:46 119	14:27 48S	20:09 241
2025 Nov 24 (Mon)	09:37 118	15:19 50S	21:03 243
2025 Nov 25 (Tue)	10:24 115	16:09 53S	21:57 246
2025 Nov 26 (Wed)	11:08 111	16:58 57S	22:49 251
2025 Nov 27 (Thu)	11:50 106	17:44 62S	23:42 256
2025 Nov 28 (Fri)	12:30 101	18:30 68S	
2025 Nov 29 (Sat)	13:08 94	19:15 74S	00:33 263
2025 Nov 30 (Sun)	13:48 87	20:02 81S	01:26 269
2025 Dec 01 (Mon)	14:29 80	20:51 88S	02:20 276
2025 Dec 02 (Tue)	15:15 73	21:45 87N	03:17 283
2025 Dec 03 (Wed)	16:06 68	22:44 81N	04:19 290
2025 Dec 04 (Thu)	17:04 63	23:49 78N	05:26 295
2025 Dec 05 (Fri)	18:08 61		06:35 298
2025 Dec 06 (Sat)	19:16 61	00:56 76N	07:44 299
2025 Dec 07 (Sun)	20:23 64	02:03 77N	08:48 298
2025 Dec 08 (Mon)	21:26 68	03:06 80N	09:45 294
2025 Dec 09 (Tue)	22:24 73	04:02 84N	10:35 289
2025 Dec 10 (Wed)	23:18 79	04:53 90N	11:18 284
2025 Dec 11 (Thu)		05:39 86S	11:57 277
2025 Dec 12 (Fri)	00:07 86	06:21 79S	12:33 271
2025 Dec 13 (Sat)	00:54 92	07:02 73S	13:07 265
2025 Dec 14 (Sun)	01:41 98	07:43 67S	13:42 259
2025 Dec 15 (Mon)	02:27 104	08:24 62S	14:18 254
2025 Dec 16 (Tue)	03:15 109	09:07 57S	14:56 249
2025 Dec 17 (Wed)	04:05 113	09:52 53S	15:38 245
2025 Dec 18 (Thu)	04:56 116	10:40 50S	16:23 243
2025 Dec 19 (Fri)	05:49 118	11:31 48S	17:12 241
2025 Dec 20 (Sat)	06:42 119	12:23 48S	18:04 241
2025 Dec 21 (Sun)	07:33 118	13:15 49S	18:58 242
2025 Dec 22 (Mon)	08:22 116	14:06 52S	19:53 245
2025 Dec 23 (Tue)	09:07 113	14:56 56S	20:46 250
2025 Dec 24 (Wed)	09:50 108	15:42 60S	21:38 255
2025 Dec 25 (Thu)	10:29 102	16:28 66S	22:29 261
2025 Dec 26 (Fri)	11:07 96	17:12 72S	23:20 267
2025 Dec 27 (Sat)	11:45 89	17:57 79S	
2025 Dec 28 (Sun)	12:24 83	18:43 86S	00:11 274
2025 Dec 29 (Mon)	13:06 76	19:33 89N	01:05 281
2025 Dec 30 (Tue)	13:53 70	20:27 84N	02:03 287
2025 Dec 31 (Wed)	14:46 65	21:27 79N	03:05 293