

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
2024	Jan	01 (Mon)	05:43	06:33	113	12:15 55S	17:57	247	18:46
2024	Jan	02 (Tue)	05:44	06:33	113	12:15 55S	17:57	247	18:47
2024	Jan	03 (Wed)	05:44	06:33	113	12:16 55S	17:58	247	18:47
2024	Jan	04 (Thu)	05:44	06:34	113	12:16 55S	17:58	247	18:48
2024	Jan	05 (Fri)	05:45	06:34	113	12:17 55S	17:59	247	18:48
2024	Jan	06 (Sat)	05:45	06:35	113	12:17 56S	18:00	247	18:49
2024	Jan	07 (Sun)	05:46	06:35	113	12:17 56S	18:00	247	18:49
2024	Jan	08 (Mon)	05:46	06:35	113	12:18 56S	18:01	247	18:50
2024	Jan	09 (Tue)	05:46	06:35	113	12:18 56S	18:01	247	18:50
2024	Jan	10 (Wed)	05:47	06:36	112	12:19 56S	18:02	248	18:51
2024	Jan	11 (Thu)	05:47	06:36	112	12:19 56S	18:02	248	18:51
2024	Jan	12 (Fri)	05:47	06:36	112	12:20 56S	18:03	248	18:52
2024	Jan	13 (Sat)	05:47	06:36	112	12:20 57S	18:03	248	18:52
2024	Jan	14 (Sun)	05:48	06:37	112	12:20 57S	18:04	248	18:53
2024	Jan	15 (Mon)	05:48	06:37	112	12:21 57S	18:05	248	18:53
2024	Jan	16 (Tue)	05:48	06:37	111	12:21 57S	18:05	249	18:54
2024	Jan	17 (Wed)	05:48	06:37	111	12:21 57S	18:06	249	18:54
2024	Jan	18 (Thu)	05:49	06:37	111	12:22 57S	18:06	249	18:55
2024	Jan	19 (Fri)	05:49	06:37	111	12:22 58S	18:07	249	18:55
2024	Jan	20 (Sat)	05:49	06:38	111	12:22 58S	18:07	249	18:56
2024	Jan	21 (Sun)	05:49	06:38	110	12:23 58S	18:08	250	18:56
2024	Jan	22 (Mon)	05:49	06:38	110	12:23 58S	18:08	250	18:57
2024	Jan	23 (Tue)	05:49	06:38	110	12:23 59S	18:09	250	18:57
2024	Jan	24 (Wed)	05:49	06:38	110	12:23 59S	18:09	250	18:57
2024	Jan	25 (Thu)	05:50	06:38	109	12:24 59S	18:10	251	18:58
2024	Jan	26 (Fri)	05:50	06:38	109	12:24 59S	18:10	251	18:58
2024	Jan	27 (Sat)	05:50	06:38	109	12:24 60S	18:11	251	18:59
2024	Jan	28 (Sun)	05:50	06:38	109	12:24 60S	18:11	251	18:59
2024	Jan	29 (Mon)	05:50	06:38	108	12:24 60S	18:11	252	18:59
2024	Jan	30 (Tue)	05:50	06:38	108	12:25 60S	18:12	252	19:00
2024	Jan	31 (Wed)	05:50	06:37	108	12:25 61S	18:12	252	19:00
2024	Feb	01 (Thu)	05:50	06:37	108	12:25 61S	18:13	253	19:00
2024	Feb	02 (Fri)	05:50	06:37	107	12:25 61S	18:13	253	19:01
2024	Feb	03 (Sat)	05:49	06:37	107	12:25 61S	18:14	253	19:01
2024	Feb	04 (Sun)	05:49	06:37	107	12:25 62S	18:14	253	19:01
2024	Feb	05 (Mon)	05:49	06:37	106	12:25 62S	18:14	254	19:02
2024	Feb	06 (Tue)	05:49	06:36	106	12:25 62S	18:15	254	19:02
2024	Feb	07 (Wed)	05:49	06:36	106	12:26 63S	18:15	254	19:02
2024	Feb	08 (Thu)	05:49	06:36	105	12:26 63S	18:15	255	19:03
2024	Feb	09 (Fri)	05:49	06:36	105	12:26 63S	18:16	255	19:03
2024	Feb	10 (Sat)	05:48	06:36	105	12:26 64S	18:16	255	19:03
2024	Feb	11 (Sun)	05:48	06:35	104	12:26 64S	18:16	256	19:03
2024	Feb	12 (Mon)	05:48	06:35	104	12:26 64S	18:17	256	19:04
2024	Feb	13 (Tue)	05:48	06:35	104	12:26 65S	18:17	256	19:04
2024	Feb	14 (Wed)	05:47	06:34	103	12:26 65S	18:17	257	19:04
2024	Feb	15 (Thu)	05:47	06:34	103	12:26 65S	18:18	257	19:04
2024	Feb	16 (Fri)	05:47	06:34	103	12:26 66S	18:18	257	19:04
2024	Feb	17 (Sat)	05:47	06:33	102	12:26 66S	18:18	258	19:05
2024	Feb	18 (Sun)	05:46	06:33	102	12:25 66S	18:18	258	19:05
2024	Feb	19 (Mon)	05:46	06:32	102	12:25 67S	18:19	259	19:05
2024	Feb	20 (Tue)	05:46	06:32	101	12:25 67S	18:19	259	19:05
2024	Feb	21 (Wed)	05:45	06:32	101	12:25 67S	18:19	259	19:05
2024	Feb	22 (Thu)	05:45	06:31	101	12:25 68S	18:19	260	19:06
2024	Feb	23 (Fri)	05:44	06:31	100	12:25 68S	18:19	260	19:06
2024	Feb	24 (Sat)	05:44	06:30	100	12:25 68S	18:20	260	19:06
2024	Feb	25 (Sun)	05:43	06:30	99	12:25 69S	18:20	261	19:06
2024	Feb	26 (Mon)	05:43	06:29	99	12:24 69S	18:20	261	19:06
2024	Feb	27 (Tue)	05:43	06:29	99	12:24 70S	18:20	262	19:06
2024	Feb	28 (Wed)	05:42	06:28	98	12:24 70S	18:20	262	19:06
2024	Feb	29 (Thu)	05:42	06:28	98	12:24 70S	18:20	262	19:07

2024	Mar	01	(Fri)	05:41	06:27	97	12:24	71S	18:21	263	19:07
2024	Mar	02	(Sat)	05:41	06:27	97	12:24	71S	18:21	263	19:07
2024	Mar	03	(Sun)	05:40	06:26	97	12:23	71S	18:21	263	19:07
2024	Mar	04	(Mon)	05:40	06:25	96	12:23	72S	18:21	264	19:07
2024	Mar	05	(Tue)	05:39	06:25	96	12:23	72S	18:21	264	19:07
2024	Mar	06	(Wed)	05:38	06:24	96	12:23	73S	18:21	265	19:07
2024	Mar	07	(Thu)	05:38	06:24	95	12:22	73S	18:21	265	19:07
2024	Mar	08	(Fri)	05:37	06:23	95	12:22	73S	18:21	265	19:07
2024	Mar	09	(Sat)	05:37	06:23	94	12:22	74S	18:22	266	19:07
2024	Mar	10	(Sun)	05:36	06:22	94	12:22	74S	18:22	266	19:07
2024	Mar	11	(Mon)	05:36	06:21	94	12:21	75S	18:22	267	19:08
2024	Mar	12	(Tue)	05:35	06:21	93	12:21	75S	18:22	267	19:08
2024	Mar	13	(Wed)	05:34	06:20	93	12:21	75S	18:22	267	19:08
2024	Mar	14	(Thu)	05:34	06:19	92	12:21	76S	18:22	268	19:08
2024	Mar	15	(Fri)	05:33	06:19	92	12:20	76S	18:22	268	19:08
2024	Mar	16	(Sat)	05:32	06:18	91	12:20	77S	18:22	269	19:08
2024	Mar	17	(Sun)	05:32	06:18	91	12:20	77S	18:22	269	19:08
2024	Mar	18	(Mon)	05:31	06:17	91	12:19	77S	18:22	270	19:08
2024	Mar	19	(Tue)	05:31	06:16	90	12:19	78S	18:22	270	19:08
2024	Mar	20	(Wed)	05:30	06:16	90	12:19	78S	18:22	270	19:08
2024	Mar	21	(Thu)	05:29	06:15	89	12:19	79S	18:22	271	19:08
2024	Mar	22	(Fri)	05:29	06:14	89	12:18	79S	18:22	271	19:08
2024	Mar	23	(Sat)	05:28	06:14	89	12:18	79S	18:23	272	19:08
2024	Mar	24	(Sun)	05:27	06:13	88	12:18	80S	18:23	272	19:08
2024	Mar	25	(Mon)	05:27	06:12	88	12:17	80S	18:23	272	19:08
2024	Mar	26	(Tue)	05:26	06:12	87	12:17	80S	18:23	273	19:09
2024	Mar	27	(Wed)	05:25	06:11	87	12:17	81S	18:23	273	19:09
2024	Mar	28	(Thu)	05:24	06:10	87	12:16	81S	18:23	274	19:09
2024	Mar	29	(Fri)	05:24	06:10	86	12:16	82S	18:23	274	19:09
2024	Mar	30	(Sat)	05:23	06:09	86	12:16	82S	18:23	274	19:09
2024	Mar	31	(Sun)	05:22	06:08	85	12:16	82S	18:23	275	19:09
2024	Apr	01	(Mon)	05:22	06:08	85	12:15	83S	18:23	275	19:09
2024	Apr	02	(Tue)	05:21	06:07	85	12:15	83S	18:23	276	19:09
2024	Apr	03	(Wed)	05:20	06:07	84	12:15	84S	18:23	276	19:09
2024	Apr	04	(Thu)	05:20	06:06	84	12:14	84S	18:23	276	19:09
2024	Apr	05	(Fri)	05:19	06:05	83	12:14	84S	18:23	277	19:09
2024	Apr	06	(Sat)	05:18	06:05	83	12:14	85S	18:23	277	19:10
2024	Apr	07	(Sun)	05:18	06:04	83	12:14	85S	18:23	277	19:10
2024	Apr	08	(Mon)	05:17	06:03	82	12:13	85S	18:23	278	19:10
2024	Apr	09	(Tue)	05:16	06:03	82	12:13	86S	18:23	278	19:10
2024	Apr	10	(Wed)	05:16	06:02	82	12:13	86S	18:24	279	19:10
2024	Apr	11	(Thu)	05:15	06:02	81	12:12	87S	18:24	279	19:10
2024	Apr	12	(Fri)	05:14	06:01	81	12:12	87S	18:24	279	19:10
2024	Apr	13	(Sat)	05:14	06:00	80	12:12	87S	18:24	280	19:10
2024	Apr	14	(Sun)	05:13	06:00	80	12:12	88S	18:24	280	19:11
2024	Apr	15	(Mon)	05:12	05:59	80	12:11	88S	18:24	280	19:11
2024	Apr	16	(Tue)	05:12	05:59	79	12:11	88S	18:24	281	19:11
2024	Apr	17	(Wed)	05:11	05:58	79	12:11	89S	18:24	281	19:11
2024	Apr	18	(Thu)	05:11	05:58	79	12:11	89S	18:24	282	19:11
2024	Apr	19	(Fri)	05:10	05:57	78	12:11	89S	18:24	282	19:11
2024	Apr	20	(Sat)	05:09	05:56	78	12:10	90S	18:24	282	19:12
2024	Apr	21	(Sun)	05:09	05:56	78	12:10	90S	18:25	283	19:12
2024	Apr	22	(Mon)	05:08	05:55	77	12:10	90S	18:25	283	19:12
2024	Apr	23	(Tue)	05:08	05:55	77	12:10	91N	18:25	283	19:12
2024	Apr	24	(Wed)	05:07	05:54	77	12:10	90N	18:25	284	19:12
2024	Apr	25	(Thu)	05:06	05:54	76	12:09	90N	18:25	284	19:13
2024	Apr	26	(Fri)	05:06	05:53	76	12:09	90N	18:25	284	19:13
2024	Apr	27	(Sat)	05:05	05:53	76	12:09	89N	18:25	285	19:13
2024	Apr	28	(Sun)	05:05	05:52	75	12:09	89N	18:26	285	19:13
2024	Apr	29	(Mon)	05:04	05:52	75	12:09	89N	18:26	285	19:14
2024	Apr	30	(Tue)	05:04	05:52	75	12:09	88N	18:26	286	19:14
2024	May	01	(Wed)	05:03	05:51	74	12:09	88N	18:26	286	19:14
2024	May	02	(Thu)	05:03	05:51	74	12:08	88N	18:26	286	19:14
2024	May	03	(Fri)	05:02	05:50	74	12:08	87N	18:26	286	19:15
2024	May	04	(Sat)	05:02	05:50	73	12:08	87N	18:27	287	19:15
2024	May	05	(Sun)	05:01	05:50	73	12:08	87N	18:27	287	19:15
2024	May	06	(Mon)	05:01	05:49	73	12:08	87N	18:27	287	19:15
2024	May	07	(Tue)	05:01	05:49	72	12:08	86N	18:27	288	19:16
2024	May	08	(Wed)	05:00	05:49	72	12:08	86N	18:28	288	19:16
2024	May	09	(Thu)	05:00	05:48	72	12:08	86N	18:28	288	19:16
2024	May	10	(Fri)	04:59	05:48	72	12:08	86N	18:28	288	19:17
2024	May	11	(Sat)	04:59	05:48	71	12:08	85N	18:28	289	19:17

2024	May	12	(Sun)	04:59	05:47	71	12:08	85N	18:28	289	19:17
2024	May	13	(Mon)	04:58	05:47	71	12:08	85N	18:29	289	19:18
2024	May	14	(Tue)	04:58	05:47	71	12:08	85N	18:29	289	19:18
2024	May	15	(Wed)	04:58	05:47	70	12:08	84N	18:29	290	19:18
2024	May	16	(Thu)	04:57	05:46	70	12:08	84N	18:29	290	19:19
2024	May	17	(Fri)	04:57	05:46	70	12:08	84N	18:30	290	19:19
2024	May	18	(Sat)	04:57	05:46	70	12:08	84N	18:30	290	19:19
2024	May	19	(Sun)	04:56	05:46	69	12:08	83N	18:30	291	19:20
2024	May	20	(Mon)	04:56	05:46	69	12:08	83N	18:31	291	19:20
2024	May	21	(Tue)	04:56	05:46	69	12:08	83N	18:31	291	19:20
2024	May	22	(Wed)	04:56	05:45	69	12:08	83N	18:31	291	19:21
2024	May	23	(Thu)	04:56	05:45	69	12:08	83N	18:31	291	19:21
2024	May	24	(Fri)	04:55	05:45	68	12:08	82N	18:32	292	19:21
2024	May	25	(Sat)	04:55	05:45	68	12:08	82N	18:32	292	19:22
2024	May	26	(Sun)	04:55	05:45	68	12:09	82N	18:32	292	19:22
2024	May	27	(Mon)	04:55	05:45	68	12:09	82N	18:33	292	19:23
2024	May	28	(Tue)	04:55	05:45	68	12:09	82N	18:33	292	19:23
2024	May	29	(Wed)	04:55	05:45	68	12:09	82N	18:33	293	19:23
2024	May	30	(Thu)	04:55	05:45	67	12:09	81N	18:33	293	19:24
2024	May	31	(Fri)	04:55	05:45	67	12:09	81N	18:34	293	19:24
2024	Jun	01	(Sat)	04:55	05:45	67	12:09	81N	18:34	293	19:24
2024	Jun	02	(Sun)	04:55	05:45	67	12:10	81N	18:34	293	19:25
2024	Jun	03	(Mon)	04:54	05:45	67	12:10	81N	18:35	293	19:25
2024	Jun	04	(Tue)	04:54	05:45	67	12:10	81N	18:35	293	19:25
2024	Jun	05	(Wed)	04:54	05:45	67	12:10	81N	18:35	293	19:26
2024	Jun	06	(Thu)	04:55	05:45	67	12:10	81N	18:36	294	19:26
2024	Jun	07	(Fri)	04:55	05:45	66	12:10	81N	18:36	294	19:26
2024	Jun	08	(Sat)	04:55	05:45	66	12:11	80N	18:36	294	19:27
2024	Jun	09	(Sun)	04:55	05:45	66	12:11	80N	18:36	294	19:27
2024	Jun	10	(Mon)	04:55	05:45	66	12:11	80N	18:37	294	19:27
2024	Jun	11	(Tue)	04:55	05:46	66	12:11	80N	18:37	294	19:28
2024	Jun	12	(Wed)	04:55	05:46	66	12:11	80N	18:37	294	19:28
2024	Jun	13	(Thu)	04:55	05:46	66	12:12	80N	18:37	294	19:28
2024	Jun	14	(Fri)	04:55	05:46	66	12:12	80N	18:38	294	19:29
2024	Jun	15	(Sat)	04:55	05:46	66	12:12	80N	18:38	294	19:29
2024	Jun	16	(Sun)	04:55	05:46	66	12:12	80N	18:38	294	19:29
2024	Jun	17	(Mon)	04:56	05:47	66	12:13	80N	18:39	294	19:29
2024	Jun	18	(Tue)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2024	Jun	19	(Wed)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2024	Jun	20	(Thu)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2024	Jun	21	(Fri)	04:56	05:47	66	12:13	80N	18:39	294	19:30
2024	Jun	22	(Sat)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2024	Jun	23	(Sun)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2024	Jun	24	(Mon)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2024	Jun	25	(Tue)	04:57	05:48	66	12:14	80N	18:40	294	19:31
2024	Jun	26	(Wed)	04:58	05:49	66	12:14	80N	18:40	294	19:31
2024	Jun	27	(Thu)	04:58	05:49	66	12:15	80N	18:41	294	19:31
2024	Jun	28	(Fri)	04:58	05:49	66	12:15	80N	18:41	294	19:31
2024	Jun	29	(Sat)	04:58	05:49	66	12:15	80N	18:41	294	19:32
2024	Jun	30	(Sun)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2024	Jul	01	(Mon)	04:59	05:50	66	12:15	80N	18:41	294	19:32
2024	Jul	02	(Tue)	04:59	05:50	66	12:16	80N	18:41	294	19:32
2024	Jul	03	(Wed)	05:00	05:50	66	12:16	80N	18:41	294	19:32
2024	Jul	04	(Thu)	05:00	05:51	66	12:16	80N	18:41	294	19:32
2024	Jul	05	(Fri)	05:00	05:51	66	12:16	81N	18:41	294	19:32
2024	Jul	06	(Sat)	05:01	05:51	67	12:16	81N	18:41	293	19:32
2024	Jul	07	(Sun)	05:01	05:51	67	12:17	81N	18:42	293	19:32
2024	Jul	08	(Mon)	05:01	05:52	67	12:17	81N	18:42	293	19:32
2024	Jul	09	(Tue)	05:02	05:52	67	12:17	81N	18:42	293	19:32
2024	Jul	10	(Wed)	05:02	05:52	67	12:17	81N	18:42	293	19:32
2024	Jul	11	(Thu)	05:02	05:53	67	12:17	81N	18:42	293	19:32
2024	Jul	12	(Fri)	05:03	05:53	67	12:17	81N	18:42	293	19:32
2024	Jul	13	(Sat)	05:03	05:53	67	12:17	82N	18:41	292	19:32
2024	Jul	14	(Sun)	05:03	05:53	68	12:17	82N	18:41	292	19:32
2024	Jul	15	(Mon)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2024	Jul	16	(Tue)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2024	Jul	17	(Wed)	05:04	05:54	68	12:18	82N	18:41	292	19:31
2024	Jul	18	(Thu)	05:05	05:54	68	12:18	82N	18:41	292	19:31
2024	Jul	19	(Fri)	05:05	05:55	68	12:18	83N	18:41	291	19:31
2024	Jul	20	(Sat)	05:05	05:55	69	12:18	83N	18:41	291	19:30
2024	Jul	21	(Sun)	05:06	05:55	69	12:18	83N	18:41	291	19:30
2024	Jul	22	(Mon)	05:06	05:55	69	12:18	83N	18:40	291	19:30

2024	Jul	23	(Tue)	05:06	05:56	69	12:18	83N	18:40	291	19:30
2024	Jul	24	(Wed)	05:07	05:56	69	12:18	84N	18:40	290	19:29
2024	Jul	25	(Thu)	05:07	05:56	70	12:18	84N	18:40	290	19:29
2024	Jul	26	(Fri)	05:07	05:56	70	12:18	84N	18:40	290	19:29
2024	Jul	27	(Sat)	05:07	05:57	70	12:18	84N	18:39	290	19:28
2024	Jul	28	(Sun)	05:08	05:57	70	12:18	84N	18:39	289	19:28
2024	Jul	29	(Mon)	05:08	05:57	71	12:18	85N	18:39	289	19:28
2024	Jul	30	(Tue)	05:08	05:57	71	12:18	85N	18:39	289	19:27
2024	Jul	31	(Wed)	05:09	05:57	71	12:18	85N	18:38	289	19:27
2024	Aug	01	(Thu)	05:09	05:58	71	12:18	85N	18:38	288	19:27
2024	Aug	02	(Fri)	05:09	05:58	72	12:18	86N	18:38	288	19:26
2024	Aug	03	(Sat)	05:09	05:58	72	12:18	86N	18:37	288	19:26
2024	Aug	04	(Sun)	05:10	05:58	72	12:18	86N	18:37	288	19:25
2024	Aug	05	(Mon)	05:10	05:58	72	12:18	86N	18:36	287	19:25
2024	Aug	06	(Tue)	05:10	05:59	73	12:17	87N	18:36	287	19:24
2024	Aug	07	(Wed)	05:10	05:59	73	12:17	87N	18:36	287	19:24
2024	Aug	08	(Thu)	05:11	05:59	73	12:17	87N	18:35	287	19:23
2024	Aug	09	(Fri)	05:11	05:59	74	12:17	88N	18:35	286	19:23
2024	Aug	10	(Sat)	05:11	05:59	74	12:17	88N	18:34	286	19:22
2024	Aug	11	(Sun)	05:11	05:59	74	12:17	88N	18:34	286	19:22
2024	Aug	12	(Mon)	05:12	05:59	75	12:17	89N	18:33	285	19:21
2024	Aug	13	(Tue)	05:12	06:00	75	12:16	89N	18:33	285	19:21
2024	Aug	14	(Wed)	05:12	06:00	75	12:16	89N	18:33	285	19:20
2024	Aug	15	(Thu)	05:12	06:00	75	12:16	89N	18:32	284	19:20
2024	Aug	16	(Fri)	05:12	06:00	76	12:16	90N	18:32	284	19:19
2024	Aug	17	(Sat)	05:12	06:00	76	12:16	90N	18:31	284	19:18
2024	Aug	18	(Sun)	05:13	06:00	76	12:15	90N	18:30	283	19:18
2024	Aug	19	(Mon)	05:13	06:00	77	12:15	91S	18:30	283	19:17
2024	Aug	20	(Tue)	05:13	06:00	77	12:15	90S	18:29	283	19:17
2024	Aug	21	(Wed)	05:13	06:00	77	12:15	90S	18:29	282	19:16
2024	Aug	22	(Thu)	05:13	06:00	78	12:14	90S	18:28	282	19:15
2024	Aug	23	(Fri)	05:13	06:00	78	12:14	89S	18:28	282	19:15
2024	Aug	24	(Sat)	05:13	06:00	79	12:14	89S	18:27	281	19:14
2024	Aug	25	(Sun)	05:14	06:00	79	12:14	89S	18:26	281	19:13
2024	Aug	26	(Mon)	05:14	06:01	79	12:13	88S	18:26	281	19:13
2024	Aug	27	(Tue)	05:14	06:01	80	12:13	88S	18:25	280	19:12
2024	Aug	28	(Wed)	05:14	06:01	80	12:13	88S	18:25	280	19:11
2024	Aug	29	(Thu)	05:14	06:01	80	12:12	87S	18:24	279	19:11
2024	Aug	30	(Fri)	05:14	06:01	81	12:12	87S	18:23	279	19:10
2024	Aug	31	(Sat)	05:14	06:01	81	12:12	87S	18:23	279	19:09
2024	Sep	01	(Sun)	05:14	06:01	81	12:11	86S	18:22	278	19:08
2024	Sep	02	(Mon)	05:14	06:01	82	12:11	86S	18:21	278	19:08
2024	Sep	03	(Tue)	05:14	06:01	82	12:11	85S	18:21	278	19:07
2024	Sep	04	(Wed)	05:14	06:01	83	12:10	85S	18:20	277	19:06
2024	Sep	05	(Thu)	05:14	06:01	83	12:10	85S	18:19	277	19:06
2024	Sep	06	(Fri)	05:15	06:01	83	12:10	84S	18:19	276	19:05
2024	Sep	07	(Sat)	05:15	06:01	84	12:09	84S	18:18	276	19:04
2024	Sep	08	(Sun)	05:15	06:01	84	12:09	84S	18:17	276	19:03
2024	Sep	09	(Mon)	05:15	06:01	84	12:09	83S	18:17	275	19:03
2024	Sep	10	(Tue)	05:15	06:01	85	12:08	83S	18:16	275	19:02
2024	Sep	11	(Wed)	05:15	06:01	85	12:08	82S	18:15	275	19:01
2024	Sep	12	(Thu)	05:15	06:01	86	12:08	82S	18:15	274	19:00
2024	Sep	13	(Fri)	05:15	06:01	86	12:07	82S	18:14	274	19:00
2024	Sep	14	(Sat)	05:15	06:01	86	12:07	81S	18:13	273	18:59
2024	Sep	15	(Sun)	05:15	06:01	87	12:07	81S	18:12	273	18:58
2024	Sep	16	(Mon)	05:15	06:01	87	12:06	81S	18:12	273	18:58
2024	Sep	17	(Tue)	05:15	06:01	88	12:06	80S	18:11	272	18:57
2024	Sep	18	(Wed)	05:15	06:01	88	12:06	80S	18:10	272	18:56
2024	Sep	19	(Thu)	05:15	06:01	88	12:05	79S	18:10	271	18:55
2024	Sep	20	(Fri)	05:15	06:01	89	12:05	79S	18:09	271	18:55
2024	Sep	21	(Sat)	05:15	06:01	89	12:04	79S	18:08	271	18:54
2024	Sep	22	(Sun)	05:15	06:01	90	12:04	78S	18:07	270	18:53
2024	Sep	23	(Mon)	05:15	06:01	90	12:04	78S	18:07	270	18:53
2024	Sep	24	(Tue)	05:15	06:01	90	12:03	77S	18:06	269	18:52
2024	Sep	25	(Wed)	05:15	06:01	91	12:03	77S	18:05	269	18:51
2024	Sep	26	(Thu)	05:15	06:01	91	12:03	77S	18:05	269	18:50
2024	Sep	27	(Fri)	05:15	06:01	92	12:02	76S	18:04	268	18:50
2024	Sep	28	(Sat)	05:15	06:01	92	12:02	76S	18:03	268	18:49
2024	Sep	29	(Sun)	05:15	06:01	92	12:02	75S	18:03	267	18:48
2024	Sep	30	(Mon)	05:15	06:01	93	12:01	75S	18:02	267	18:48
2024	Oct	01	(Tue)	05:15	06:01	93	12:01	75S	18:01	267	18:47
2024	Oct	02	(Wed)	05:15	06:01	94	12:01	74S	18:01	266	18:46

2024	Oct	03	(Thu)	05:15	06:01	94	12:00	74S	18:00	266	18:46
2024	Oct	04	(Fri)	05:15	06:01	94	12:00	74S	17:59	265	18:45
2024	Oct	05	(Sat)	05:15	06:01	95	12:00	73S	17:59	265	18:45
2024	Oct	06	(Sun)	05:15	06:01	95	12:00	73S	17:58	265	18:44
2024	Oct	07	(Mon)	05:15	06:01	96	11:59	72S	17:57	264	18:43
2024	Oct	08	(Tue)	05:15	06:01	96	11:59	72S	17:57	264	18:43
2024	Oct	09	(Wed)	05:15	06:01	96	11:59	72S	17:56	263	18:42
2024	Oct	10	(Thu)	05:15	06:01	97	11:58	71S	17:56	263	18:42
2024	Oct	11	(Fri)	05:15	06:01	97	11:58	71S	17:55	263	18:41
2024	Oct	12	(Sat)	05:15	06:01	97	11:58	71S	17:54	262	18:40
2024	Oct	13	(Sun)	05:15	06:01	98	11:58	70S	17:54	262	18:40
2024	Oct	14	(Mon)	05:15	06:01	98	11:57	70S	17:53	262	18:39
2024	Oct	15	(Tue)	05:15	06:02	99	11:57	69S	17:53	261	18:39
2024	Oct	16	(Wed)	05:16	06:02	99	11:57	69S	17:52	261	18:38
2024	Oct	17	(Thu)	05:16	06:02	99	11:57	69S	17:52	260	18:38
2024	Oct	18	(Fri)	05:16	06:02	100	11:57	68S	17:51	260	18:37
2024	Oct	19	(Sat)	05:16	06:02	100	11:56	68S	17:51	260	18:37
2024	Oct	20	(Sun)	05:16	06:02	100	11:56	68S	17:50	259	18:36
2024	Oct	21	(Mon)	05:16	06:02	101	11:56	67S	17:50	259	18:36
2024	Oct	22	(Tue)	05:16	06:03	101	11:56	67S	17:49	259	18:36
2024	Oct	23	(Wed)	05:16	06:03	102	11:56	67S	17:49	258	18:35
2024	Oct	24	(Thu)	05:16	06:03	102	11:56	66S	17:48	258	18:35
2024	Oct	25	(Fri)	05:17	06:03	102	11:56	66S	17:48	258	18:34
2024	Oct	26	(Sat)	05:17	06:03	103	11:55	65S	17:47	257	18:34
2024	Oct	27	(Sun)	05:17	06:04	103	11:55	65S	17:47	257	18:34
2024	Oct	28	(Mon)	05:17	06:04	103	11:55	65S	17:47	256	18:33
2024	Oct	29	(Tue)	05:17	06:04	104	11:55	64S	17:46	256	18:33
2024	Oct	30	(Wed)	05:17	06:04	104	11:55	64S	17:46	256	18:33
2024	Oct	31	(Thu)	05:18	06:05	104	11:55	64S	17:46	255	18:33
2024	Nov	01	(Fri)	05:18	06:05	105	11:55	64S	17:45	255	18:32
2024	Nov	02	(Sat)	05:18	06:05	105	11:55	63S	17:45	255	18:32
2024	Nov	03	(Sun)	05:18	06:05	105	11:55	63S	17:45	255	18:32
2024	Nov	04	(Mon)	05:18	06:06	106	11:55	63S	17:44	254	18:32
2024	Nov	05	(Tue)	05:19	06:06	106	11:55	62S	17:44	254	18:31
2024	Nov	06	(Wed)	05:19	06:06	106	11:55	62S	17:44	254	18:31
2024	Nov	07	(Thu)	05:19	06:07	107	11:55	62S	17:44	253	18:31
2024	Nov	08	(Fri)	05:19	06:07	107	11:55	61S	17:43	253	18:31
2024	Nov	09	(Sat)	05:20	06:07	107	11:55	61S	17:43	253	18:31
2024	Nov	10	(Sun)	05:20	06:08	107	11:55	61S	17:43	252	18:31
2024	Nov	11	(Mon)	05:20	06:08	108	11:56	61S	17:43	252	18:31
2024	Nov	12	(Tue)	05:21	06:08	108	11:56	60S	17:43	252	18:31
2024	Nov	13	(Wed)	05:21	06:09	108	11:56	60S	17:43	252	18:31
2024	Nov	14	(Thu)	05:21	06:09	109	11:56	60S	17:43	251	18:31
2024	Nov	15	(Fri)	05:22	06:10	109	11:56	59S	17:42	251	18:31
2024	Nov	16	(Sat)	05:22	06:10	109	11:56	59S	17:42	251	18:31
2024	Nov	17	(Sun)	05:22	06:11	109	11:56	59S	17:42	251	18:31
2024	Nov	18	(Mon)	05:23	06:11	110	11:57	59S	17:42	250	18:31
2024	Nov	19	(Tue)	05:23	06:11	110	11:57	59S	17:42	250	18:31
2024	Nov	20	(Wed)	05:23	06:12	110	11:57	58S	17:42	250	18:31
2024	Nov	21	(Thu)	05:24	06:12	110	11:57	58S	17:42	250	18:31
2024	Nov	22	(Fri)	05:24	06:13	111	11:58	58S	17:42	249	18:31
2024	Nov	23	(Sat)	05:25	06:13	111	11:58	58S	17:42	249	18:31
2024	Nov	24	(Sun)	05:25	06:14	111	11:58	57S	17:43	249	18:31
2024	Nov	25	(Mon)	05:26	06:14	111	11:59	57S	17:43	249	18:31
2024	Nov	26	(Tue)	05:26	06:15	111	11:59	57S	17:43	249	18:32
2024	Nov	27	(Wed)	05:26	06:15	112	11:59	57S	17:43	248	18:32
2024	Nov	28	(Thu)	05:27	06:16	112	12:00	57S	17:43	248	18:32
2024	Nov	29	(Fri)	05:27	06:16	112	12:00	57S	17:43	248	18:32
2024	Nov	30	(Sat)	05:28	06:17	112	12:00	56S	17:44	248	18:33
2024	Dec	01	(Sun)	05:28	06:17	112	12:01	56S	17:44	248	18:33
2024	Dec	02	(Mon)	05:29	06:18	112	12:01	56S	17:44	248	18:33
2024	Dec	03	(Tue)	05:29	06:18	113	12:01	56S	17:44	247	18:33
2024	Dec	04	(Wed)	05:30	06:19	113	12:02	56S	17:45	247	18:34
2024	Dec	05	(Thu)	05:30	06:20	113	12:02	56S	17:45	247	18:34
2024	Dec	06	(Fri)	05:31	06:20	113	12:03	56S	17:45	247	18:34
2024	Dec	07	(Sat)	05:31	06:21	113	12:03	55S	17:45	247	18:35
2024	Dec	08	(Sun)	05:32	06:21	113	12:03	55S	17:46	247	18:35
2024	Dec	09	(Mon)	05:32	06:22	113	12:04	55S	17:46	247	18:35
2024	Dec	10	(Tue)	05:33	06:22	113	12:04	55S	17:46	247	18:36
2024	Dec	11	(Wed)	05:33	06:23	113	12:05	55S	17:47	247	18:36
2024	Dec	12	(Thu)	05:34	06:23	113	12:05	55S	17:47	246	18:37
2024	Dec	13	(Fri)	05:34	06:24	114	12:06	55S	17:48	246	18:37

2024	Dec	14	(Sat)	05:35	06:24	114	12:06	55S	17:48	246	18:38
2024	Dec	15	(Sun)	05:35	06:25	114	12:07	55S	17:48	246	18:38
2024	Dec	16	(Mon)	05:36	06:25	114	12:07	55S	17:49	246	18:38
2024	Dec	17	(Tue)	05:36	06:26	114	12:08	55S	17:49	246	18:39
2024	Dec	18	(Wed)	05:37	06:27	114	12:08	55S	17:50	246	18:39
2024	Dec	19	(Thu)	05:37	06:27	114	12:09	55S	17:50	246	18:40
2024	Dec	20	(Fri)	05:38	06:28	114	12:09	55S	17:51	246	18:40
2024	Dec	21	(Sat)	05:38	06:28	114	12:10	55S	17:51	246	18:41
2024	Dec	22	(Sun)	05:39	06:29	114	12:10	55S	17:52	246	18:41
2024	Dec	23	(Mon)	05:39	06:29	114	12:11	55S	17:52	246	18:42
2024	Dec	24	(Tue)	05:40	06:30	114	12:11	55S	17:53	246	18:42
2024	Dec	25	(Wed)	05:40	06:30	114	12:12	55S	17:53	246	18:43
2024	Dec	26	(Thu)	05:41	06:30	114	12:12	55S	17:54	246	18:43
2024	Dec	27	(Fri)	05:41	06:31	114	12:13	55S	17:54	246	18:44
2024	Dec	28	(Sat)	05:42	06:31	114	12:13	55S	17:55	246	18:44
2024	Dec	29	(Sun)	05:42	06:32	114	12:14	55S	17:55	246	18:45
2024	Dec	30	(Mon)	05:43	06:32	114	12:14	55S	17:56	246	18:46
2024	Dec	31	(Tue)	05:43	06:33	113	12:15	55S	17:57	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
2024	Jan	01	(Mon)	06:10	06:33	113	12:15	55S	17:57	247	18:20
2024	Jan	02	(Tue)	06:10	06:33	113	12:15	55S	17:57	247	18:20
2024	Jan	03	(Wed)	06:11	06:33	113	12:16	55S	17:58	247	18:21
2024	Jan	04	(Thu)	06:11	06:34	113	12:16	55S	17:58	247	18:21
2024	Jan	05	(Fri)	06:11	06:34	113	12:17	55S	17:59	247	18:22
2024	Jan	06	(Sat)	06:12	06:35	113	12:17	56S	18:00	247	18:22
2024	Jan	07	(Sun)	06:12	06:35	113	12:17	56S	18:00	247	18:23
2024	Jan	08	(Mon)	06:12	06:35	113	12:18	56S	18:01	247	18:23
2024	Jan	09	(Tue)	06:13	06:35	113	12:18	56S	18:01	247	18:24
2024	Jan	10	(Wed)	06:13	06:36	112	12:19	56S	18:02	248	18:25
2024	Jan	11	(Thu)	06:13	06:36	112	12:19	56S	18:02	248	18:25
2024	Jan	12	(Fri)	06:13	06:36	112	12:20	56S	18:03	248	18:26
2024	Jan	13	(Sat)	06:14	06:36	112	12:20	57S	18:03	248	18:26
2024	Jan	14	(Sun)	06:14	06:37	112	12:20	57S	18:04	248	18:27
2024	Jan	15	(Mon)	06:14	06:37	112	12:21	57S	18:05	248	18:27
2024	Jan	16	(Tue)	06:14	06:37	111	12:21	57S	18:05	249	18:28
2024	Jan	17	(Wed)	06:15	06:37	111	12:21	57S	18:06	249	18:28
2024	Jan	18	(Thu)	06:15	06:37	111	12:22	57S	18:06	249	18:29
2024	Jan	19	(Fri)	06:15	06:37	111	12:22	58S	18:07	249	18:29
2024	Jan	20	(Sat)	06:15	06:38	111	12:22	58S	18:07	249	18:30
2024	Jan	21	(Sun)	06:15	06:38	110	12:23	58S	18:08	250	18:30
2024	Jan	22	(Mon)	06:15	06:38	110	12:23	58S	18:08	250	18:31
2024	Jan	23	(Tue)	06:15	06:38	110	12:23	59S	18:09	250	18:31
2024	Jan	24	(Wed)	06:15	06:38	110	12:23	59S	18:09	250	18:32
2024	Jan	25	(Thu)	06:15	06:38	109	12:24	59S	18:10	251	18:32
2024	Jan	26	(Fri)	06:15	06:38	109	12:24	59S	18:10	251	18:32
2024	Jan	27	(Sat)	06:15	06:38	109	12:24	60S	18:11	251	18:33
2024	Jan	28	(Sun)	06:15	06:38	109	12:24	60S	18:11	251	18:33
2024	Jan	29	(Mon)	06:15	06:38	108	12:24	60S	18:11	252	18:34
2024	Jan	30	(Tue)	06:15	06:38	108	12:25	60S	18:12	252	18:34
2024	Jan	31	(Wed)	06:15	06:37	108	12:25	61S	18:12	252	18:34
2024	Feb	01	(Thu)	06:15	06:37	108	12:25	61S	18:13	253	18:35
2024	Feb	02	(Fri)	06:15	06:37	107	12:25	61S	18:13	253	18:35
2024	Feb	03	(Sat)	06:15	06:37	107	12:25	61S	18:14	253	18:36
2024	Feb	04	(Sun)	06:15	06:37	107	12:25	62S	18:14	253	18:36
2024	Feb	05	(Mon)	06:15	06:37	106	12:25	62S	18:14	254	18:36
2024	Feb	06	(Tue)	06:15	06:36	106	12:25	62S	18:15	254	18:37
2024	Feb	07	(Wed)	06:14	06:36	106	12:26	63S	18:15	254	18:37
2024	Feb	08	(Thu)	06:14	06:36	105	12:26	63S	18:15	255	18:37
2024	Feb	09	(Fri)	06:14	06:36	105	12:26	63S	18:16	255	18:38
2024	Feb	10	(Sat)	06:14	06:36	105	12:26	64S	18:16	255	18:38

2024	Feb	11	(Sun)	06:13	06:35	104	12:26	64S	18:16	256	18:38
2024	Feb	12	(Mon)	06:13	06:35	104	12:26	64S	18:17	256	18:38
2024	Feb	13	(Tue)	06:13	06:35	104	12:26	65S	18:17	256	18:39
2024	Feb	14	(Wed)	06:13	06:34	103	12:26	65S	18:17	257	18:39
2024	Feb	15	(Thu)	06:12	06:34	103	12:26	65S	18:18	257	18:39
2024	Feb	16	(Fri)	06:12	06:34	103	12:26	66S	18:18	257	18:39
2024	Feb	17	(Sat)	06:12	06:33	102	12:26	66S	18:18	258	18:40
2024	Feb	18	(Sun)	06:11	06:33	102	12:25	66S	18:18	258	18:40
2024	Feb	19	(Mon)	06:11	06:32	102	12:25	67S	18:19	259	18:40
2024	Feb	20	(Tue)	06:10	06:32	101	12:25	67S	18:19	259	18:40
2024	Feb	21	(Wed)	06:10	06:32	101	12:25	67S	18:19	259	18:40
2024	Feb	22	(Thu)	06:10	06:31	101	12:25	68S	18:19	260	18:41
2024	Feb	23	(Fri)	06:09	06:31	100	12:25	68S	18:19	260	18:41
2024	Feb	24	(Sat)	06:09	06:30	100	12:25	68S	18:20	260	18:41
2024	Feb	25	(Sun)	06:08	06:30	99	12:25	69S	18:20	261	18:41
2024	Feb	26	(Mon)	06:08	06:29	99	12:24	69S	18:20	261	18:41
2024	Feb	27	(Tue)	06:07	06:29	99	12:24	70S	18:20	262	18:42
2024	Feb	28	(Wed)	06:07	06:28	98	12:24	70S	18:20	262	18:42
2024	Feb	29	(Thu)	06:06	06:28	98	12:24	70S	18:20	262	18:42
2024	Mar	01	(Fri)	06:06	06:27	97	12:24	71S	18:21	263	18:42
2024	Mar	02	(Sat)	06:05	06:27	97	12:24	71S	18:21	263	18:42
2024	Mar	03	(Sun)	06:05	06:26	97	12:23	71S	18:21	263	18:42
2024	Mar	04	(Mon)	06:04	06:25	96	12:23	72S	18:21	264	18:42
2024	Mar	05	(Tue)	06:04	06:25	96	12:23	72S	18:21	264	18:42
2024	Mar	06	(Wed)	06:03	06:24	96	12:23	73S	18:21	265	18:42
2024	Mar	07	(Thu)	06:03	06:24	95	12:22	73S	18:21	265	18:43
2024	Mar	08	(Fri)	06:02	06:23	95	12:22	73S	18:21	265	18:43
2024	Mar	09	(Sat)	06:01	06:23	94	12:22	74S	18:22	266	18:43
2024	Mar	10	(Sun)	06:01	06:22	94	12:22	74S	18:22	266	18:43
2024	Mar	11	(Mon)	06:00	06:21	94	12:21	75S	18:22	267	18:43
2024	Mar	12	(Tue)	06:00	06:21	93	12:21	75S	18:22	267	18:43
2024	Mar	13	(Wed)	05:59	06:20	93	12:21	75S	18:22	267	18:43
2024	Mar	14	(Thu)	05:58	06:19	92	12:21	76S	18:22	268	18:43
2024	Mar	15	(Fri)	05:58	06:19	92	12:20	76S	18:22	268	18:43
2024	Mar	16	(Sat)	05:57	06:18	91	12:20	77S	18:22	269	18:43
2024	Mar	17	(Sun)	05:56	06:18	91	12:20	77S	18:22	269	18:43
2024	Mar	18	(Mon)	05:56	06:17	91	12:19	77S	18:22	270	18:43
2024	Mar	19	(Tue)	05:55	06:16	90	12:19	78S	18:22	270	18:43
2024	Mar	20	(Wed)	05:54	06:16	90	12:19	78S	18:22	270	18:44
2024	Mar	21	(Thu)	05:54	06:15	89	12:19	79S	18:22	271	18:44
2024	Mar	22	(Fri)	05:53	06:14	89	12:18	79S	18:22	271	18:44
2024	Mar	23	(Sat)	05:52	06:14	89	12:18	79S	18:23	272	18:44
2024	Mar	24	(Sun)	05:52	06:13	88	12:18	80S	18:23	272	18:44
2024	Mar	25	(Mon)	05:51	06:12	88	12:17	80S	18:23	272	18:44
2024	Mar	26	(Tue)	05:51	06:12	87	12:17	80S	18:23	273	18:44
2024	Mar	27	(Wed)	05:50	06:11	87	12:17	81S	18:23	273	18:44
2024	Mar	28	(Thu)	05:49	06:10	87	12:16	81S	18:23	274	18:44
2024	Mar	29	(Fri)	05:49	06:10	86	12:16	82S	18:23	274	18:44
2024	Mar	30	(Sat)	05:48	06:09	86	12:16	82S	18:23	274	18:44
2024	Mar	31	(Sun)	05:47	06:08	85	12:16	82S	18:23	275	18:44
2024	Apr	01	(Mon)	05:47	06:08	85	12:15	83S	18:23	275	18:44
2024	Apr	02	(Tue)	05:46	06:07	85	12:15	83S	18:23	276	18:44
2024	Apr	03	(Wed)	05:45	06:07	84	12:15	84S	18:23	276	18:44
2024	Apr	04	(Thu)	05:45	06:06	84	12:14	84S	18:23	276	18:44
2024	Apr	05	(Fri)	05:44	06:05	83	12:14	84S	18:23	277	18:45
2024	Apr	06	(Sat)	05:43	06:05	83	12:14	85S	18:23	277	18:45
2024	Apr	07	(Sun)	05:43	06:04	83	12:14	85S	18:23	277	18:45
2024	Apr	08	(Mon)	05:42	06:03	82	12:13	85S	18:23	278	18:45
2024	Apr	09	(Tue)	05:41	06:03	82	12:13	86S	18:23	278	18:45
2024	Apr	10	(Wed)	05:41	06:02	82	12:13	86S	18:24	279	18:45
2024	Apr	11	(Thu)	05:40	06:02	81	12:12	87S	18:24	279	18:45
2024	Apr	12	(Fri)	05:39	06:01	81	12:12	87S	18:24	279	18:45
2024	Apr	13	(Sat)	05:39	06:00	80	12:12	87S	18:24	280	18:45
2024	Apr	14	(Sun)	05:38	06:00	80	12:12	88S	18:24	280	18:45
2024	Apr	15	(Mon)	05:38	05:59	80	12:11	88S	18:24	280	18:46
2024	Apr	16	(Tue)	05:37	05:59	79	12:11	88S	18:24	281	18:46
2024	Apr	17	(Wed)	05:36	05:58	79	12:11	89S	18:24	281	18:46
2024	Apr	18	(Thu)	05:36	05:58	79	12:11	89S	18:24	282	18:46
2024	Apr	19	(Fri)	05:35	05:57	78	12:11	89S	18:24	282	18:46
2024	Apr	20	(Sat)	05:35	05:56	78	12:10	90S	18:24	282	18:46
2024	Apr	21	(Sun)	05:34	05:56	78	12:10	90S	18:25	283	18:46
2024	Apr	22	(Mon)	05:34	05:55	77	12:10	90S	18:25	283	18:47

2024	Apr	23	(Tue)	05:33	05:55	77	12:10	91N	18:25	283	18:47
2024	Apr	24	(Wed)	05:33	05:54	77	12:10	90N	18:25	284	18:47
2024	Apr	25	(Thu)	05:32	05:54	76	12:09	90N	18:25	284	18:47
2024	Apr	26	(Fri)	05:32	05:53	76	12:09	90N	18:25	284	18:47
2024	Apr	27	(Sat)	05:31	05:53	76	12:09	89N	18:25	285	18:47
2024	Apr	28	(Sun)	05:31	05:52	75	12:09	89N	18:26	285	18:48
2024	Apr	29	(Mon)	05:30	05:52	75	12:09	89N	18:26	285	18:48
2024	Apr	30	(Tue)	05:30	05:52	75	12:09	88N	18:26	286	18:48
2024	May	01	(Wed)	05:29	05:51	74	12:09	88N	18:26	286	18:48
2024	May	02	(Thu)	05:29	05:51	74	12:08	88N	18:26	286	18:48
2024	May	03	(Fri)	05:28	05:50	74	12:08	87N	18:26	286	18:49
2024	May	04	(Sat)	05:28	05:50	73	12:08	87N	18:27	287	18:49
2024	May	05	(Sun)	05:27	05:50	73	12:08	87N	18:27	287	18:49
2024	May	06	(Mon)	05:27	05:49	73	12:08	87N	18:27	287	18:49
2024	May	07	(Tue)	05:27	05:49	72	12:08	86N	18:27	288	18:50
2024	May	08	(Wed)	05:26	05:49	72	12:08	86N	18:28	288	18:50
2024	May	09	(Thu)	05:26	05:48	72	12:08	86N	18:28	288	18:50
2024	May	10	(Fri)	05:26	05:48	72	12:08	86N	18:28	288	18:50
2024	May	11	(Sat)	05:25	05:48	71	12:08	85N	18:28	289	18:51
2024	May	12	(Sun)	05:25	05:47	71	12:08	85N	18:28	289	18:51
2024	May	13	(Mon)	05:25	05:47	71	12:08	85N	18:29	289	18:51
2024	May	14	(Tue)	05:24	05:47	71	12:08	85N	18:29	289	18:52
2024	May	15	(Wed)	05:24	05:47	70	12:08	84N	18:29	290	18:52
2024	May	16	(Thu)	05:24	05:46	70	12:08	84N	18:29	290	18:52
2024	May	17	(Fri)	05:24	05:46	70	12:08	84N	18:30	290	18:52
2024	May	18	(Sat)	05:23	05:46	70	12:08	84N	18:30	290	18:53
2024	May	19	(Sun)	05:23	05:46	69	12:08	83N	18:30	291	18:53
2024	May	20	(Mon)	05:23	05:46	69	12:08	83N	18:31	291	18:53
2024	May	21	(Tue)	05:23	05:46	69	12:08	83N	18:31	291	18:54
2024	May	22	(Wed)	05:23	05:45	69	12:08	83N	18:31	291	18:54
2024	May	23	(Thu)	05:22	05:45	69	12:08	83N	18:31	291	18:54
2024	May	24	(Fri)	05:22	05:45	68	12:08	82N	18:32	292	18:55
2024	May	25	(Sat)	05:22	05:45	68	12:08	82N	18:32	292	18:55
2024	May	26	(Sun)	05:22	05:45	68	12:09	82N	18:32	292	18:55
2024	May	27	(Mon)	05:22	05:45	68	12:09	82N	18:33	292	18:56
2024	May	28	(Tue)	05:22	05:45	68	12:09	82N	18:33	292	18:56
2024	May	29	(Wed)	05:22	05:45	68	12:09	82N	18:33	293	18:56
2024	May	30	(Thu)	05:22	05:45	67	12:09	81N	18:33	293	18:57
2024	May	31	(Fri)	05:22	05:45	67	12:09	81N	18:34	293	18:57
2024	Jun	01	(Sat)	05:22	05:45	67	12:09	81N	18:34	293	18:57
2024	Jun	02	(Sun)	05:22	05:45	67	12:10	81N	18:34	293	18:57
2024	Jun	03	(Mon)	05:22	05:45	67	12:10	81N	18:35	293	18:58
2024	Jun	04	(Tue)	05:22	05:45	67	12:10	81N	18:35	293	18:58
2024	Jun	05	(Wed)	05:22	05:45	67	12:10	81N	18:35	293	18:58
2024	Jun	06	(Thu)	05:22	05:45	67	12:10	81N	18:36	294	18:59
2024	Jun	07	(Fri)	05:22	05:45	66	12:10	81N	18:36	294	18:59
2024	Jun	08	(Sat)	05:22	05:45	66	12:11	80N	18:36	294	18:59
2024	Jun	09	(Sun)	05:22	05:45	66	12:11	80N	18:36	294	19:00
2024	Jun	10	(Mon)	05:22	05:45	66	12:11	80N	18:37	294	19:00
2024	Jun	11	(Tue)	05:22	05:46	66	12:11	80N	18:37	294	19:00
2024	Jun	12	(Wed)	05:22	05:46	66	12:11	80N	18:37	294	19:01
2024	Jun	13	(Thu)	05:23	05:46	66	12:12	80N	18:37	294	19:01
2024	Jun	14	(Fri)	05:23	05:46	66	12:12	80N	18:38	294	19:01
2024	Jun	15	(Sat)	05:23	05:46	66	12:12	80N	18:38	294	19:01
2024	Jun	16	(Sun)	05:23	05:46	66	12:12	80N	18:38	294	19:02
2024	Jun	17	(Mon)	05:23	05:47	66	12:13	80N	18:39	294	19:02
2024	Jun	18	(Tue)	05:23	05:47	66	12:13	80N	18:39	294	19:02
2024	Jun	19	(Wed)	05:24	05:47	66	12:13	80N	18:39	294	19:02
2024	Jun	20	(Thu)	05:24	05:47	66	12:13	80N	18:39	294	19:03
2024	Jun	21	(Fri)	05:24	05:47	66	12:13	80N	18:39	294	19:03
2024	Jun	22	(Sat)	05:24	05:48	66	12:14	80N	18:40	294	19:03
2024	Jun	23	(Sun)	05:24	05:48	66	12:14	80N	18:40	294	19:03
2024	Jun	24	(Mon)	05:25	05:48	66	12:14	80N	18:40	294	19:03
2024	Jun	25	(Tue)	05:25	05:48	66	12:14	80N	18:40	294	19:04
2024	Jun	26	(Wed)	05:25	05:49	66	12:14	80N	18:40	294	19:04
2024	Jun	27	(Thu)	05:25	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	28	(Fri)	05:26	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	29	(Sat)	05:26	05:49	66	12:15	80N	18:41	294	19:04
2024	Jun	30	(Sun)	05:26	05:50	66	12:15	80N	18:41	294	19:04
2024	Jul	01	(Mon)	05:26	05:50	66	12:15	80N	18:41	294	19:04
2024	Jul	02	(Tue)	05:27	05:50	66	12:16	80N	18:41	294	19:04
2024	Jul	03	(Wed)	05:27	05:50	66	12:16	80N	18:41	294	19:05

2024	Jul	04	(Thu)	05:27	05:51	66	12:16	80N	18:41	294	19:05
2024	Jul	05	(Fri)	05:28	05:51	66	12:16	81N	18:41	294	19:05
2024	Jul	06	(Sat)	05:28	05:51	67	12:16	81N	18:41	293	19:05
2024	Jul	07	(Sun)	05:28	05:51	67	12:17	81N	18:42	293	19:05
2024	Jul	08	(Mon)	05:29	05:52	67	12:17	81N	18:42	293	19:05
2024	Jul	09	(Tue)	05:29	05:52	67	12:17	81N	18:42	293	19:05
2024	Jul	10	(Wed)	05:29	05:52	67	12:17	81N	18:42	293	19:05
2024	Jul	11	(Thu)	05:29	05:53	67	12:17	81N	18:42	293	19:05
2024	Jul	12	(Fri)	05:30	05:53	67	12:17	81N	18:42	293	19:05
2024	Jul	13	(Sat)	05:30	05:53	67	12:17	82N	18:41	292	19:05
2024	Jul	14	(Sun)	05:30	05:53	68	12:17	82N	18:41	292	19:04
2024	Jul	15	(Mon)	05:31	05:54	68	12:18	82N	18:41	292	19:04
2024	Jul	16	(Tue)	05:31	05:54	68	12:18	82N	18:41	292	19:04
2024	Jul	17	(Wed)	05:31	05:54	68	12:18	82N	18:41	292	19:04
2024	Jul	18	(Thu)	05:32	05:54	68	12:18	82N	18:41	292	19:04
2024	Jul	19	(Fri)	05:32	05:55	68	12:18	83N	18:41	291	19:04
2024	Jul	20	(Sat)	05:32	05:55	69	12:18	83N	18:41	291	19:04
2024	Jul	21	(Sun)	05:32	05:55	69	12:18	83N	18:41	291	19:03
2024	Jul	22	(Mon)	05:33	05:55	69	12:18	83N	18:40	291	19:03
2024	Jul	23	(Tue)	05:33	05:56	69	12:18	83N	18:40	291	19:03
2024	Jul	24	(Wed)	05:33	05:56	69	12:18	84N	18:40	290	19:03
2024	Jul	25	(Thu)	05:33	05:56	70	12:18	84N	18:40	290	19:03
2024	Jul	26	(Fri)	05:34	05:56	70	12:18	84N	18:40	290	19:02
2024	Jul	27	(Sat)	05:34	05:57	70	12:18	84N	18:39	290	19:02
2024	Jul	28	(Sun)	05:34	05:57	70	12:18	84N	18:39	289	19:02
2024	Jul	29	(Mon)	05:35	05:57	71	12:18	85N	18:39	289	19:01
2024	Jul	30	(Tue)	05:35	05:57	71	12:18	85N	18:39	289	19:01
2024	Jul	31	(Wed)	05:35	05:57	71	12:18	85N	18:38	289	19:01
2024	Aug	01	(Thu)	05:35	05:58	71	12:18	85N	18:38	288	19:00
2024	Aug	02	(Fri)	05:35	05:58	72	12:18	86N	18:38	288	19:00
2024	Aug	03	(Sat)	05:36	05:58	72	12:18	86N	18:37	288	19:00
2024	Aug	04	(Sun)	05:36	05:58	72	12:18	86N	18:37	288	18:59
2024	Aug	05	(Mon)	05:36	05:58	72	12:18	86N	18:36	287	18:59
2024	Aug	06	(Tue)	05:36	05:59	73	12:17	87N	18:36	287	18:58
2024	Aug	07	(Wed)	05:36	05:59	73	12:17	87N	18:36	287	18:58
2024	Aug	08	(Thu)	05:37	05:59	73	12:17	87N	18:35	287	18:57
2024	Aug	09	(Fri)	05:37	05:59	74	12:17	88N	18:35	286	18:57
2024	Aug	10	(Sat)	05:37	05:59	74	12:17	88N	18:34	286	18:57
2024	Aug	11	(Sun)	05:37	05:59	74	12:17	88N	18:34	286	18:56
2024	Aug	12	(Mon)	05:37	05:59	75	12:17	89N	18:33	285	18:56
2024	Aug	13	(Tue)	05:38	06:00	75	12:16	89N	18:33	285	18:55
2024	Aug	14	(Wed)	05:38	06:00	75	12:16	89N	18:33	285	18:54
2024	Aug	15	(Thu)	05:38	06:00	75	12:16	89N	18:32	284	18:54
2024	Aug	16	(Fri)	05:38	06:00	76	12:16	90N	18:32	284	18:53
2024	Aug	17	(Sat)	05:38	06:00	76	12:16	90N	18:31	284	18:53
2024	Aug	18	(Sun)	05:38	06:00	76	12:15	90N	18:30	283	18:52
2024	Aug	19	(Mon)	05:38	06:00	77	12:15	91S	18:30	283	18:52
2024	Aug	20	(Tue)	05:38	06:00	77	12:15	90S	18:29	283	18:51
2024	Aug	21	(Wed)	05:39	06:00	77	12:15	90S	18:29	282	18:51
2024	Aug	22	(Thu)	05:39	06:00	78	12:14	90S	18:28	282	18:50
2024	Aug	23	(Fri)	05:39	06:00	78	12:14	89S	18:28	282	18:49
2024	Aug	24	(Sat)	05:39	06:00	79	12:14	89S	18:27	281	18:49
2024	Aug	25	(Sun)	05:39	06:00	79	12:14	89S	18:26	281	18:48
2024	Aug	26	(Mon)	05:39	06:01	79	12:13	88S	18:26	281	18:47
2024	Aug	27	(Tue)	05:39	06:01	80	12:13	88S	18:25	280	18:47
2024	Aug	28	(Wed)	05:39	06:01	80	12:13	88S	18:25	280	18:46
2024	Aug	29	(Thu)	05:39	06:01	80	12:12	87S	18:24	279	18:45
2024	Aug	30	(Fri)	05:39	06:01	81	12:12	87S	18:23	279	18:45
2024	Aug	31	(Sat)	05:39	06:01	81	12:12	87S	18:23	279	18:44
2024	Sep	01	(Sun)	05:39	06:01	81	12:11	86S	18:22	278	18:43
2024	Sep	02	(Mon)	05:39	06:01	82	12:11	86S	18:21	278	18:43
2024	Sep	03	(Tue)	05:39	06:01	82	12:11	85S	18:21	278	18:42
2024	Sep	04	(Wed)	05:39	06:01	83	12:10	85S	18:20	277	18:41
2024	Sep	05	(Thu)	05:39	06:01	83	12:10	85S	18:19	277	18:41
2024	Sep	06	(Fri)	05:39	06:01	83	12:10	84S	18:19	276	18:40
2024	Sep	07	(Sat)	05:39	06:01	84	12:09	84S	18:18	276	18:39
2024	Sep	08	(Sun)	05:39	06:01	84	12:09	84S	18:17	276	18:39
2024	Sep	09	(Mon)	05:39	06:01	84	12:09	83S	18:17	275	18:38
2024	Sep	10	(Tue)	05:39	06:01	85	12:08	83S	18:16	275	18:37
2024	Sep	11	(Wed)	05:39	06:01	85	12:08	82S	18:15	275	18:36
2024	Sep	12	(Thu)	05:39	06:01	86	12:08	82S	18:15	274	18:36
2024	Sep	13	(Fri)	05:39	06:01	86	12:07	82S	18:14	274	18:35

2024	Sep	14	(Sat)	05:39	06:01	86	12:07	81S	18:13	273	18:34
2024	Sep	15	(Sun)	05:39	06:01	87	12:07	81S	18:12	273	18:34
2024	Sep	16	(Mon)	05:39	06:01	87	12:06	81S	18:12	273	18:33
2024	Sep	17	(Tue)	05:39	06:01	88	12:06	80S	18:11	272	18:32
2024	Sep	18	(Wed)	05:39	06:01	88	12:06	80S	18:10	272	18:31
2024	Sep	19	(Thu)	05:39	06:01	88	12:05	79S	18:10	271	18:31
2024	Sep	20	(Fri)	05:39	06:01	89	12:05	79S	18:09	271	18:30
2024	Sep	21	(Sat)	05:39	06:01	89	12:04	79S	18:08	271	18:29
2024	Sep	22	(Sun)	05:39	06:01	90	12:04	78S	18:07	270	18:29
2024	Sep	23	(Mon)	05:39	06:01	90	12:04	78S	18:07	270	18:28
2024	Sep	24	(Tue)	05:39	06:01	90	12:03	77S	18:06	269	18:27
2024	Sep	25	(Wed)	05:39	06:01	91	12:03	77S	18:05	269	18:27
2024	Sep	26	(Thu)	05:39	06:01	91	12:03	77S	18:05	269	18:26
2024	Sep	27	(Fri)	05:39	06:01	92	12:02	76S	18:04	268	18:25
2024	Sep	28	(Sat)	05:39	06:01	92	12:02	76S	18:03	268	18:25
2024	Sep	29	(Sun)	05:39	06:01	92	12:02	75S	18:03	267	18:24
2024	Sep	30	(Mon)	05:39	06:01	93	12:01	75S	18:02	267	18:23
2024	Oct	01	(Tue)	05:40	06:01	93	12:01	75S	18:01	267	18:23
2024	Oct	02	(Wed)	05:40	06:01	94	12:01	74S	18:01	266	18:22
2024	Oct	03	(Thu)	05:40	06:01	94	12:00	74S	18:00	266	18:21
2024	Oct	04	(Fri)	05:40	06:01	94	12:00	74S	17:59	265	18:21
2024	Oct	05	(Sat)	05:40	06:01	95	12:00	73S	17:59	265	18:20
2024	Oct	06	(Sun)	05:40	06:01	95	12:00	73S	17:58	265	18:19
2024	Oct	07	(Mon)	05:40	06:01	96	11:59	72S	17:57	264	18:19
2024	Oct	08	(Tue)	05:40	06:01	96	11:59	72S	17:57	264	18:18
2024	Oct	09	(Wed)	05:40	06:01	96	11:59	72S	17:56	263	18:17
2024	Oct	10	(Thu)	05:40	06:01	97	11:58	71S	17:56	263	18:17
2024	Oct	11	(Fri)	05:40	06:01	97	11:58	71S	17:55	263	18:16
2024	Oct	12	(Sat)	05:40	06:01	97	11:58	71S	17:54	262	18:16
2024	Oct	13	(Sun)	05:40	06:01	98	11:58	70S	17:54	262	18:15
2024	Oct	14	(Mon)	05:40	06:01	98	11:57	70S	17:53	262	18:15
2024	Oct	15	(Tue)	05:40	06:02	99	11:57	69S	17:53	261	18:14
2024	Oct	16	(Wed)	05:40	06:02	99	11:57	69S	17:52	261	18:14
2024	Oct	17	(Thu)	05:40	06:02	99	11:57	69S	17:52	260	18:13
2024	Oct	18	(Fri)	05:41	06:02	100	11:57	68S	17:51	260	18:13
2024	Oct	19	(Sat)	05:41	06:02	100	11:56	68S	17:51	260	18:12
2024	Oct	20	(Sun)	05:41	06:02	100	11:56	68S	17:50	259	18:12
2024	Oct	21	(Mon)	05:41	06:02	101	11:56	67S	17:50	259	18:11
2024	Oct	22	(Tue)	05:41	06:03	101	11:56	67S	17:49	259	18:11
2024	Oct	23	(Wed)	05:41	06:03	102	11:56	67S	17:49	258	18:10
2024	Oct	24	(Thu)	05:41	06:03	102	11:56	66S	17:48	258	18:10
2024	Oct	25	(Fri)	05:42	06:03	102	11:56	66S	17:48	258	18:09
2024	Oct	26	(Sat)	05:42	06:03	103	11:55	65S	17:47	257	18:09
2024	Oct	27	(Sun)	05:42	06:04	103	11:55	65S	17:47	257	18:09
2024	Oct	28	(Mon)	05:42	06:04	103	11:55	65S	17:47	256	18:08
2024	Oct	29	(Tue)	05:42	06:04	104	11:55	64S	17:46	256	18:08
2024	Oct	30	(Wed)	05:43	06:04	104	11:55	64S	17:46	256	18:08
2024	Oct	31	(Thu)	05:43	06:05	104	11:55	64S	17:46	255	18:07
2024	Nov	01	(Fri)	05:43	06:05	105	11:55	64S	17:45	255	18:07
2024	Nov	02	(Sat)	05:43	06:05	105	11:55	63S	17:45	255	18:07
2024	Nov	03	(Sun)	05:44	06:05	105	11:55	63S	17:45	255	18:06
2024	Nov	04	(Mon)	05:44	06:06	106	11:55	63S	17:44	254	18:06
2024	Nov	05	(Tue)	05:44	06:06	106	11:55	62S	17:44	254	18:06
2024	Nov	06	(Wed)	05:44	06:06	106	11:55	62S	17:44	254	18:06
2024	Nov	07	(Thu)	05:45	06:07	107	11:55	62S	17:44	253	18:06
2024	Nov	08	(Fri)	05:45	06:07	107	11:55	61S	17:43	253	18:05
2024	Nov	09	(Sat)	05:45	06:07	107	11:55	61S	17:43	253	18:05
2024	Nov	10	(Sun)	05:46	06:08	107	11:55	61S	17:43	252	18:05
2024	Nov	11	(Mon)	05:46	06:08	108	11:56	61S	17:43	252	18:05
2024	Nov	12	(Tue)	05:46	06:08	108	11:56	60S	17:43	252	18:05
2024	Nov	13	(Wed)	05:47	06:09	108	11:56	60S	17:43	252	18:05
2024	Nov	14	(Thu)	05:47	06:09	109	11:56	60S	17:43	251	18:05
2024	Nov	15	(Fri)	05:47	06:10	109	11:56	59S	17:42	251	18:05
2024	Nov	16	(Sat)	05:48	06:10	109	11:56	59S	17:42	251	18:05
2024	Nov	17	(Sun)	05:48	06:11	109	11:56	59S	17:42	251	18:05
2024	Nov	18	(Mon)	05:49	06:11	110	11:57	59S	17:42	250	18:05
2024	Nov	19	(Tue)	05:49	06:11	110	11:57	59S	17:42	250	18:05
2024	Nov	20	(Wed)	05:49	06:12	110	11:57	58S	17:42	250	18:05
2024	Nov	21	(Thu)	05:50	06:12	110	11:57	58S	17:42	250	18:05
2024	Nov	22	(Fri)	05:50	06:13	111	11:58	58S	17:42	249	18:05
2024	Nov	23	(Sat)	05:51	06:13	111	11:58	58S	17:42	249	18:05
2024	Nov	24	(Sun)	05:51	06:14	111	11:58	57S	17:43	249	18:05

2024	Nov	25	(Mon)	05:52	06:14	111	11:59	57S	17:43	249	18:05
2024	Nov	26	(Tue)	05:52	06:15	111	11:59	57S	17:43	249	18:05
2024	Nov	27	(Wed)	05:53	06:15	112	11:59	57S	17:43	248	18:06
2024	Nov	28	(Thu)	05:53	06:16	112	12:00	57S	17:43	248	18:06
2024	Nov	29	(Fri)	05:54	06:16	112	12:00	57S	17:43	248	18:06
2024	Nov	30	(Sat)	05:54	06:17	112	12:00	56S	17:44	248	18:06
2024	Dec	01	(Sun)	05:55	06:17	112	12:01	56S	17:44	248	18:07
2024	Dec	02	(Mon)	05:55	06:18	112	12:01	56S	17:44	248	18:07
2024	Dec	03	(Tue)	05:56	06:18	113	12:01	56S	17:44	247	18:07
2024	Dec	04	(Wed)	05:56	06:19	113	12:02	56S	17:45	247	18:07
2024	Dec	05	(Thu)	05:57	06:20	113	12:02	56S	17:45	247	18:08
2024	Dec	06	(Fri)	05:57	06:20	113	12:03	56S	17:45	247	18:08
2024	Dec	07	(Sat)	05:58	06:21	113	12:03	55S	17:45	247	18:08
2024	Dec	08	(Sun)	05:58	06:21	113	12:03	55S	17:46	247	18:09
2024	Dec	09	(Mon)	05:59	06:22	113	12:04	55S	17:46	247	18:09
2024	Dec	10	(Tue)	05:59	06:22	113	12:04	55S	17:46	247	18:09
2024	Dec	11	(Wed)	06:00	06:23	113	12:05	55S	17:47	247	18:10
2024	Dec	12	(Thu)	06:00	06:23	113	12:05	55S	17:47	246	18:10
2024	Dec	13	(Fri)	06:01	06:24	114	12:06	55S	17:48	246	18:11
2024	Dec	14	(Sat)	06:01	06:24	114	12:06	55S	17:48	246	18:11
2024	Dec	15	(Sun)	06:02	06:25	114	12:07	55S	17:48	246	18:11
2024	Dec	16	(Mon)	06:02	06:25	114	12:07	55S	17:49	246	18:12
2024	Dec	17	(Tue)	06:03	06:26	114	12:08	55S	17:49	246	18:12
2024	Dec	18	(Wed)	06:03	06:27	114	12:08	55S	17:50	246	18:13
2024	Dec	19	(Thu)	06:04	06:27	114	12:09	55S	17:50	246	18:13
2024	Dec	20	(Fri)	06:05	06:28	114	12:09	55S	17:51	246	18:14
2024	Dec	21	(Sat)	06:05	06:28	114	12:10	55S	17:51	246	18:14
2024	Dec	22	(Sun)	06:06	06:29	114	12:10	55S	17:52	246	18:15
2024	Dec	23	(Mon)	06:06	06:29	114	12:11	55S	17:52	246	18:15
2024	Dec	24	(Tue)	06:06	06:30	114	12:11	55S	17:53	246	18:16
2024	Dec	25	(Wed)	06:07	06:30	114	12:12	55S	17:53	246	18:16
2024	Dec	26	(Thu)	06:07	06:30	114	12:12	55S	17:54	246	18:17
2024	Dec	27	(Fri)	06:08	06:31	114	12:13	55S	17:54	246	18:17
2024	Dec	28	(Sat)	06:08	06:31	114	12:13	55S	17:55	246	18:18
2024	Dec	29	(Sun)	06:09	06:32	114	12:14	55S	17:55	246	18:18
2024	Dec	30	(Mon)	06:09	06:32	114	12:14	55S	17:56	246	18:19
2024	Dec	31	(Tue)	06:10	06:33	113	12:15	55S	17:57	247	18:20

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	°
2024 Jan 01 (Mon)	22:25	81		04:02	90N		10:23	282	
2024 Jan 02 (Tue)	23:09	86		04:43	86S		10:58	277	
2024 Jan 03 (Wed)	23:54	92		05:22	80S		11:32	271	
2024 Jan 04 (Thu)				06:01	74S		12:06	265	
2024 Jan 05 (Fri)	00:39	98		06:41	68S		12:42	259	
2024 Jan 06 (Sat)	01:26	104		07:24	63S		13:20	254	
2024 Jan 07 (Sun)	02:17	109		08:11	58S		14:03	249	
2024 Jan 08 (Mon)	03:13	114		09:03	54S		14:51	245	
2024 Jan 09 (Tue)	04:12	117		10:00	51S		15:46	242	
2024 Jan 10 (Wed)	05:15	119		11:01	49S		16:48	241	
2024 Jan 11 (Thu)	06:18	119		12:05	50S		17:53	242	
2024 Jan 12 (Fri)	07:19	116		13:08	53S		18:59	246	
2024 Jan 13 (Sat)	08:14	112		14:08	58S		20:03	251	
2024 Jan 14 (Sun)	09:05	106		15:03	64S		21:04	257	
2024 Jan 15 (Mon)	09:51	99		15:54	71S		22:01	264	
2024 Jan 16 (Tue)	10:34	92		16:43	78S		22:56	272	
2024 Jan 17 (Wed)	11:15	85		17:31	85S		23:50	279	
2024 Jan 18 (Thu)	11:57	78		18:19	90N				
2024 Jan 19 (Fri)	12:40	72		19:08	85N		00:44	285	
2024 Jan 20 (Sat)	13:26	67		20:00	80N		01:40	290	
2024 Jan 21 (Sun)	14:15	64		20:54	77N		02:37	295	
2024 Jan 22 (Mon)	15:08	62		21:49	75N		03:34	298	
2024 Jan 23 (Tue)	16:02	61		22:44	75N		04:31	299	

2024	Jan	24	(Wed)	16:58	62	23:38	77N	05:25	298
2024	Jan	25	(Thu)	17:52	65			06:16	297
2024	Jan	26	(Fri)	18:44	69	00:28	79N	07:02	293
2024	Jan	27	(Sat)	19:33	73	01:15	83N	07:44	289
2024	Jan	28	(Sun)	20:20	79	01:59	88N	08:22	284
2024	Jan	29	(Mon)	21:05	84	02:40	88S	08:57	279
2024	Jan	30	(Tue)	21:49	90	03:19	82S	09:31	273
2024	Jan	31	(Wed)	22:33	96	03:58	76S	10:05	267
2024	Feb	01	(Thu)	23:19	102	04:37	70S	10:39	261
2024	Feb	02	(Fri)			05:18	65S	11:15	255
2024	Feb	03	(Sat)	00:07	107	06:02	60S	11:55	250
2024	Feb	04	(Sun)	00:59	112	06:50	55S	12:40	246
2024	Feb	05	(Mon)	01:55	116	07:43	52S	13:30	243
2024	Feb	06	(Tue)	02:55	118	08:41	50S	14:27	241
2024	Feb	07	(Wed)	03:57	119	09:43	49S	15:30	241
2024	Feb	08	(Thu)	04:59	118	10:47	51S	16:36	244
2024	Feb	09	(Fri)	05:57	114	11:48	55S	17:42	248
2024	Feb	10	(Sat)	06:51	109	12:47	61S	18:45	254
2024	Feb	11	(Sun)	07:40	102	13:42	67S	19:46	261
2024	Feb	12	(Mon)	08:26	95	14:34	75S	20:44	269
2024	Feb	13	(Tue)	09:10	88	15:24	82S	21:41	276
2024	Feb	14	(Wed)	09:53	80	16:13	89S	22:37	283
2024	Feb	15	(Thu)	10:37	74	17:04	86N	23:34	289
2024	Feb	16	(Fri)	11:23	69	17:56	81N		
2024	Feb	17	(Sat)	12:12	64	18:50	77N	00:31	294
2024	Feb	18	(Sun)	13:04	62	19:45	75N	01:29	297
2024	Feb	19	(Mon)	13:58	61	20:40	75N	02:26	299
2024	Feb	20	(Tue)	14:53	62	21:33	76N	03:21	299
2024	Feb	21	(Wed)	15:47	64	22:24	78N	04:13	297
2024	Feb	22	(Thu)	16:39	67	23:12	82N	05:00	295
2024	Feb	23	(Fri)	17:29	72	23:57	87N	05:42	291
2024	Feb	24	(Sat)	18:16	77			06:21	286
2024	Feb	25	(Sun)	19:02	82	00:38	90S	06:57	280
2024	Feb	26	(Mon)	19:46	88	01:18	84S	07:32	275
2024	Feb	27	(Tue)	20:30	94	01:57	78S	08:05	269
2024	Feb	28	(Wed)	21:15	100	02:36	72S	08:39	263
2024	Feb	29	(Thu)	22:02	106	03:16	67S	09:14	257
2024	Mar	01	(Fri)	22:52	111	03:58	61S	09:52	252
2024	Mar	02	(Sat)	23:45	115	04:44	56S	10:34	247
2024	Mar	03	(Sun)			05:34	53S	11:21	244
2024	Mar	04	(Mon)	00:42	118	06:28	50S	12:14	241
2024	Mar	05	(Tue)	01:41	119	07:27	49S	13:12	241
2024	Mar	06	(Wed)	02:41	119	08:28	50S	14:15	242
2024	Mar	07	(Thu)	03:40	116	09:28	53S	15:19	245
2024	Mar	08	(Fri)	04:35	112	10:28	57S	16:23	251
2024	Mar	09	(Sat)	05:26	106	11:24	64S	17:25	257
2024	Mar	10	(Sun)	06:13	99	12:17	71S	18:25	265
2024	Mar	11	(Mon)	06:58	91	13:09	78S	19:23	272
2024	Mar	12	(Tue)	07:43	84	14:00	86S	20:22	280
2024	Mar	13	(Wed)	08:28	77	14:52	89N	21:20	287
2024	Mar	14	(Thu)	09:15	71	15:46	83N	22:20	292
2024	Mar	15	(Fri)	10:04	66	16:41	78N	23:20	296
2024	Mar	16	(Sat)	10:57	62	17:37	76N		
2024	Mar	17	(Sun)	11:52	61	18:34	75N	00:19	299
2024	Mar	18	(Mon)	12:47	61	19:29	75N	01:16	299
2024	Mar	19	(Tue)	13:42	63	20:21	77N	02:10	298
2024	Mar	20	(Wed)	14:35	66	21:10	81N	02:58	296
2024	Mar	21	(Thu)	15:26	70	21:55	85N	03:42	292
2024	Mar	22	(Fri)	16:14	75	22:37	90N	04:22	287
2024	Mar	23	(Sat)	17:00	80	23:18	86S	04:58	282
2024	Mar	24	(Sun)	17:44	86	23:57	80S	05:33	277
2024	Mar	25	(Mon)	18:28	92			06:07	271
2024	Mar	26	(Tue)	19:13	98	00:36	74S	06:40	265
2024	Mar	27	(Wed)	20:00	104	01:15	68S	07:15	259
2024	Mar	28	(Thu)	20:48	109	01:57	63S	07:52	253
2024	Mar	29	(Fri)	21:40	114	02:42	58S	08:33	249
2024	Mar	30	(Sat)	22:36	117	03:30	54S	09:18	245
2024	Mar	31	(Sun)	23:33	119	04:22	51S	10:08	242
2024	Apr	01	(Mon)			05:18	49S	11:03	241
2024	Apr	02	(Tue)	00:31	119	06:17	49S	12:02	241
2024	Apr	03	(Wed)	01:29	118	07:16	51S	13:04	244
2024	Apr	04	(Thu)	02:23	114	08:13	55S	14:06	248

2024 Apr 05 (Fri)	03:14 109	09:09 60S	15:06 254
2024 Apr 06 (Sat)	04:01 103	10:02 67S	16:06 261
2024 Apr 07 (Sun)	04:46 96	10:53 74S	17:04 268
2024 Apr 08 (Mon)	05:31 88	11:44 82S	18:02 276
2024 Apr 09 (Tue)	06:15 80	12:36 89S	19:01 283
2024 Apr 10 (Wed)	07:02 74	13:30 86N	20:01 290
2024 Apr 11 (Thu)	07:51 68	14:26 80N	21:03 295
2024 Apr 12 (Fri)	08:44 64	15:24 77N	22:05 298
2024 Apr 13 (Sat)	09:40 61	16:22 75N	23:05 299
2024 Apr 14 (Sun)	10:37 61	17:20 75N	
2024 Apr 15 (Mon)	11:34 62	18:15 76N	00:02 299
2024 Apr 16 (Tue)	12:29 65	19:05 79N	00:53 297
2024 Apr 17 (Wed)	13:21 68	19:52 83N	01:39 293
2024 Apr 18 (Thu)	14:10 73	20:36 88N	02:21 289
2024 Apr 19 (Fri)	14:56 79	21:16 88S	02:59 284
2024 Apr 20 (Sat)	15:41 84	21:56 82S	03:34 279
2024 Apr 21 (Sun)	16:25 90	22:35 76S	04:08 273
2024 Apr 22 (Mon)	17:10 96	23:14 70S	04:41 267
2024 Apr 23 (Tue)	17:56 102	23:55 65S	05:16 261
2024 Apr 24 (Wed)	18:45 107		05:52 255
2024 Apr 25 (Thu)	19:36 112	00:39 59S	06:32 250
2024 Apr 26 (Fri)	20:31 116	01:27 55S	07:16 246
2024 Apr 27 (Sat)	21:28 119	02:18 51S	08:04 243
2024 Apr 28 (Sun)	22:26 119	03:13 49S	08:58 241
2024 Apr 29 (Mon)	23:23 118	04:11 49S	09:56 241
2024 Apr 30 (Tue)		05:09 50S	10:56 243
2024 May 01 (Wed)	00:18 116	06:06 54S	11:57 246
2024 May 02 (Thu)	01:08 111	07:01 58S	12:56 251
2024 May 03 (Fri)	01:55 105	07:53 64S	13:54 258
2024 May 04 (Sat)	02:39 99	08:43 71S	14:50 265
2024 May 05 (Sun)	03:22 91	09:33 78S	15:46 272
2024 May 06 (Mon)	04:05 84	10:22 86S	16:43 280
2024 May 07 (Tue)	04:50 77	11:14 89N	17:42 286
2024 May 08 (Wed)	05:37 71	12:09 83N	18:43 292
2024 May 09 (Thu)	06:29 66	13:06 78N	19:46 296
2024 May 10 (Fri)	07:24 62	14:06 75N	20:49 299
2024 May 11 (Sat)	08:22 61	15:05 75N	21:48 299
2024 May 12 (Sun)	09:21 61	16:03 75N	22:44 298
2024 May 13 (Mon)	10:18 63	16:57 78N	23:33 295
2024 May 14 (Tue)	11:13 67	17:46 82N	
2024 May 15 (Wed)	12:04 71	18:31 86N	00:17 291
2024 May 16 (Thu)	12:51 77	19:13 90S	00:57 286
2024 May 17 (Fri)	13:37 82	19:53 84S	01:33 281
2024 May 18 (Sat)	14:21 88	20:32 78S	02:07 275
2024 May 19 (Sun)	15:05 94	21:11 72S	02:41 269
2024 May 20 (Mon)	15:51 100	21:52 67S	03:15 263
2024 May 21 (Tue)	16:39 106	22:35 61S	03:50 257
2024 May 22 (Wed)	17:29 111	23:21 56S	04:29 252
2024 May 23 (Thu)	18:23 115		05:12 247
2024 May 24 (Fri)	19:21 118	00:12 53S	05:59 244
2024 May 25 (Sat)	20:20 119	01:07 50S	06:52 241
2024 May 26 (Sun)	21:18 119	02:05 49S	07:50 241
2024 May 27 (Mon)	22:14 116	03:04 50S	08:51 242
2024 May 28 (Tue)	23:06 112	04:02 53S	09:52 245
2024 May 29 (Wed)	23:53 107	04:57 57S	10:51 250
2024 May 30 (Thu)		05:49 62S	11:48 256
2024 May 31 (Fri)	00:37 101	06:39 69S	12:44 263
2024 Jun 01 (Sat)	01:19 94	07:27 76S	13:38 270
2024 Jun 02 (Sun)	02:01 87	08:15 83S	14:33 277
2024 Jun 03 (Mon)	02:43 80	09:05 90S	15:29 284
2024 Jun 04 (Tue)	03:28 73	09:56 85N	16:28 290
2024 Jun 05 (Wed)	04:17 68	10:51 80N	17:29 295
2024 Jun 06 (Thu)	05:10 64	11:50 77N	18:31 298
2024 Jun 07 (Fri)	06:07 61	12:49 75N	19:33 299
2024 Jun 08 (Sat)	07:06 61	13:49 75N	20:31 298
2024 Jun 09 (Sun)	08:05 62	14:45 77N	21:23 296
2024 Jun 10 (Mon)	09:01 65	15:37 80N	22:10 293
2024 Jun 11 (Tue)	09:54 70	16:25 84N	22:52 288
2024 Jun 12 (Wed)	10:44 75	17:08 90N	23:30 283
2024 Jun 13 (Thu)	11:31 80	17:49 86S	
2024 Jun 14 (Fri)	12:16 86	18:29 81S	00:05 277
2024 Jun 15 (Sat)	13:00 92	19:07 75S	00:39 271

2024	Jun	16	(Sun)	13:44	98	19:47	69S	01:13	265
2024	Jun	17	(Mon)	14:31	103	20:29	63S	01:47	259
2024	Jun	18	(Tue)	15:20	109	21:14	58S	02:24	254
2024	Jun	19	(Wed)	16:13	113	22:03	54S	03:05	249
2024	Jun	20	(Thu)	17:09	117	22:56	51S	03:51	245
2024	Jun	21	(Fri)	18:08	119	23:54	49S	04:43	242
2024	Jun	22	(Sat)	19:08	119			05:40	241
2024	Jun	23	(Sun)	20:07	117	00:54	49S	06:40	242
2024	Jun	24	(Mon)	21:01	114	01:54	52S	07:43	244
2024	Jun	25	(Tue)	21:51	109	02:52	55S	08:44	248
2024	Jun	26	(Wed)	22:36	103	03:46	61S	09:43	254
2024	Jun	27	(Thu)	23:19	96	04:37	67S	10:40	261
2024	Jun	28	(Fri)			05:25	74S	11:35	268
2024	Jun	29	(Sat)	00:00	89	06:13	81S	12:29	275
2024	Jun	30	(Sun)	00:42	82	07:01	88S	13:23	282
2024	Jul	01	(Mon)	01:25	75	07:51	87N	14:20	288
2024	Jul	02	(Tue)	02:11	69	08:43	82N	15:19	293
2024	Jul	03	(Wed)	03:01	65	09:39	78N	16:19	297
2024	Jul	04	(Thu)	03:56	62	10:37	75N	17:20	299
2024	Jul	05	(Fri)	04:53	61	11:36	75N	18:19	299
2024	Jul	06	(Sat)	05:52	62	12:34	76N	19:14	297
2024	Jul	07	(Sun)	06:50	64	13:27	79N	20:03	294
2024	Jul	08	(Mon)	07:45	68	14:17	83N	20:47	290
2024	Jul	09	(Tue)	08:36	73	15:03	88N	21:26	285
2024	Jul	10	(Wed)	09:24	78	15:45	88S	22:03	279
2024	Jul	11	(Thu)	10:10	84	16:25	83S	22:37	273
2024	Jul	12	(Fri)	10:54	90	17:04	77S	23:11	267
2024	Jul	13	(Sat)	11:38	96	17:43	71S	23:44	262
2024	Jul	14	(Sun)	12:23	101	18:23	65S		
2024	Jul	15	(Mon)	13:11	107	19:06	60S	00:20	256
2024	Jul	16	(Tue)	14:01	112	19:52	56S	00:59	251
2024	Jul	17	(Wed)	14:56	116	20:44	52S	01:42	246
2024	Jul	18	(Thu)	15:53	118	21:39	50S	02:30	243
2024	Jul	19	(Fri)	16:53	119	22:39	49S	03:25	241
2024	Jul	20	(Sat)	17:53	118	23:40	50S	04:25	241
2024	Jul	21	(Sun)	18:50	115			05:28	243
2024	Jul	22	(Mon)	19:43	111	00:40	54S	06:31	247
2024	Jul	23	(Tue)	20:32	105	01:37	59S	07:33	252
2024	Jul	24	(Wed)	21:16	98	02:30	65S	08:32	258
2024	Jul	25	(Thu)	21:59	91	03:21	72S	09:29	266
2024	Jul	26	(Fri)	22:41	84	04:10	79S	10:24	273
2024	Jul	27	(Sat)	23:24	77	04:58	86S	11:19	280
2024	Jul	28	(Sun)			05:48	89N	12:15	286
2024	Jul	29	(Mon)	00:09	71	06:40	83N	13:13	292
2024	Jul	30	(Tue)	00:58	66	07:34	79N	14:13	296
2024	Jul	31	(Wed)	01:50	63	08:31	76N	15:13	299
2024	Aug	01	(Thu)	02:46	61	09:29	75N	16:11	299
2024	Aug	02	(Fri)	03:44	61	10:26	75N	17:07	298
2024	Aug	03	(Sat)	04:41	63	11:20	77N	17:57	295
2024	Aug	04	(Sun)	05:36	66	12:11	81N	18:43	291
2024	Aug	05	(Mon)	06:29	71	12:58	86N	19:24	287
2024	Aug	06	(Tue)	07:18	76	13:41	90S	20:01	281
2024	Aug	07	(Wed)	08:04	82	14:22	85S	20:36	275
2024	Aug	08	(Thu)	08:49	88	15:01	79S	21:10	270
2024	Aug	09	(Fri)	09:33	93	15:39	73S	21:43	264
2024	Aug	10	(Sat)	10:18	99	16:19	67S	22:18	258
2024	Aug	11	(Sun)	11:04	105	17:00	62S	22:54	253
2024	Aug	12	(Mon)	11:52	110	17:45	57S	23:35	248
2024	Aug	13	(Tue)	12:44	114	18:33	53S		
2024	Aug	14	(Wed)	13:39	117	19:26	50S	00:20	244
2024	Aug	15	(Thu)	14:37	119	20:22	49S	01:11	242
2024	Aug	16	(Fri)	15:37	119	21:22	49S	02:07	241
2024	Aug	17	(Sat)	16:35	117	22:22	52S	03:08	242
2024	Aug	18	(Sun)	17:30	113	23:21	56S	04:12	244
2024	Aug	19	(Mon)	18:21	108			05:15	249
2024	Aug	20	(Tue)	19:08	101	00:17	62S	06:16	255
2024	Aug	21	(Wed)	19:53	94	01:10	69S	07:16	262
2024	Aug	22	(Thu)	20:36	86	02:01	76S	08:13	270
2024	Aug	23	(Fri)	21:20	79	02:52	84S	09:10	278
2024	Aug	24	(Sat)	22:06	72	03:42	91S	10:08	285
2024	Aug	25	(Sun)	22:54	67	04:35	85N	11:07	290
2024	Aug	26	(Mon)	23:46	63	05:29	80N	12:07	295

2024 Aug 27 (Tue)		06:26 76N	13:07 298
2024 Aug 28 (Wed)	00:41 61	07:24 75N	14:07 299
2024 Aug 29 (Thu)	01:38 61	08:21 75N	15:03 299
2024 Aug 30 (Fri)	02:36 62	09:16 77N	15:54 297
2024 Aug 31 (Sat)	03:31 65	10:07 80N	16:41 293
2024 Sep 01 (Sun)	04:24 69	10:55 84N	17:23 288
2024 Sep 02 (Mon)	05:14 74	11:39 89N	18:01 283
2024 Sep 03 (Tue)	06:01 80	12:20 87S	18:36 277
2024 Sep 04 (Wed)	06:46 85	12:59 81S	19:10 272
2024 Sep 05 (Thu)	07:30 91	13:38 75S	19:43 266
2024 Sep 06 (Fri)	08:14 97	14:17 69S	20:17 260
2024 Sep 07 (Sat)	08:59 103	14:57 64S	20:53 254
2024 Sep 08 (Sun)	09:47 108	15:40 59S	21:32 249
2024 Sep 09 (Mon)	10:36 113	16:26 54S	22:14 245
2024 Sep 10 (Tue)	11:29 116	17:16 51S	23:02 242
2024 Sep 11 (Wed)	12:25 119	18:10 49S	23:55 241
2024 Sep 12 (Thu)	13:22 119	19:07 49S	
2024 Sep 13 (Fri)	14:20 118	20:06 50S	00:52 241
2024 Sep 14 (Sat)	15:15 116	21:04 54S	01:53 243
2024 Sep 15 (Sun)	16:07 111	22:00 59S	02:55 246
2024 Sep 16 (Mon)	16:56 105	22:55 65S	03:56 252
2024 Sep 17 (Tue)	17:42 98	23:47 72S	04:57 259
2024 Sep 18 (Wed)	18:26 90		05:56 266
2024 Sep 19 (Thu)	19:11 82	00:38 80S	06:54 274
2024 Sep 20 (Fri)	19:57 75	01:30 87S	07:53 281
2024 Sep 21 (Sat)	20:46 69	02:24 87N	08:54 288
2024 Sep 22 (Sun)	21:38 64	03:19 81N	09:56 294
2024 Sep 23 (Mon)	22:34 62	04:17 77N	10:58 297
2024 Sep 24 (Tue)	23:32 61	05:17 75N	12:00 299
2024 Sep 25 (Wed)		06:15 74N	12:58 299
2024 Sep 26 (Thu)	00:30 61	07:12 76N	13:52 297
2024 Sep 27 (Fri)	01:27 64	08:05 79N	14:40 294
2024 Sep 28 (Sat)	02:21 68	08:53 83N	15:23 290
2024 Sep 29 (Sun)	03:11 72	09:38 87N	16:02 285
2024 Sep 30 (Mon)	03:58 78	10:19 89S	16:38 279
2024 Oct 01 (Tue)	04:44 84	10:59 83S	17:12 274
2024 Oct 02 (Wed)	05:28 89	11:38 77S	17:45 268
2024 Oct 03 (Thu)	06:12 95	12:17 71S	18:19 262
2024 Oct 04 (Fri)	06:57 101	12:57 65S	18:54 256
2024 Oct 05 (Sat)	07:44 107	13:38 60S	19:31 251
2024 Oct 06 (Sun)	08:32 111	14:23 56S	20:12 247
2024 Oct 07 (Mon)	09:24 115	15:12 52S	20:58 243
2024 Oct 08 (Tue)	10:18 118	16:03 50S	21:48 241
2024 Oct 09 (Wed)	11:14 119	16:58 49S	22:43 241
2024 Oct 10 (Thu)	12:10 119	17:55 50S	23:40 242
2024 Oct 11 (Fri)	13:04 117	18:51 52S	
2024 Oct 12 (Sat)	13:56 113	19:47 56S	00:40 245
2024 Oct 13 (Sun)	14:44 108	20:40 62S	01:40 249
2024 Oct 14 (Mon)	15:30 101	21:32 68S	02:38 255
2024 Oct 15 (Tue)	16:14 94	22:22 76S	03:36 262
2024 Oct 16 (Wed)	16:58 86	23:14 83S	04:34 270
2024 Oct 17 (Thu)	17:44 79		05:33 277
2024 Oct 18 (Fri)	18:32 72	00:07 91N	06:33 285
2024 Oct 19 (Sat)	19:24 67	01:02 84N	07:36 291
2024 Oct 20 (Sun)	20:21 63	02:01 79N	08:41 296
2024 Oct 21 (Mon)	21:20 61	03:02 76N	09:45 299
2024 Oct 22 (Tue)	22:20 61	04:04 74N	10:47 299
2024 Oct 23 (Wed)	23:19 63	05:03 75N	11:45 298
2024 Oct 24 (Thu)		05:59 77N	12:36 295
2024 Oct 25 (Fri)	00:15 66	06:49 81N	13:21 291
2024 Oct 26 (Sat)	01:07 71	07:36 86N	14:02 287
2024 Oct 27 (Sun)	01:56 76	08:18 90S	14:38 281
2024 Oct 28 (Mon)	02:42 82	08:59 85S	15:13 275
2024 Oct 29 (Tue)	03:26 88	09:38 79S	15:46 270
2024 Oct 30 (Wed)	04:10 93	10:16 73S	16:20 264
2024 Oct 31 (Thu)	04:54 99	10:56 67S	16:54 258
2024 Nov 01 (Fri)	05:41 105	11:37 62S	17:31 253
2024 Nov 02 (Sat)	06:29 110	12:21 57S	18:11 248
2024 Nov 03 (Sun)	07:20 114	13:09 53S	18:56 244
2024 Nov 04 (Mon)	08:14 117	14:00 50S	19:45 242
2024 Nov 05 (Tue)	09:09 119	14:54 49S	20:38 241
2024 Nov 06 (Wed)	10:05 119	15:49 49S	21:34 241

2024 Nov 07 (Thu)	10:59 118	16:45 51S	22:33 244
2024 Nov 08 (Fri)	11:50 115	17:39 55S	23:31 247
2024 Nov 09 (Sat)	12:38 110	18:32 59S	
2024 Nov 10 (Sun)	13:23 104	19:22 65S	00:28 253
2024 Nov 11 (Mon)	14:06 97	20:11 72S	01:23 259
2024 Nov 12 (Tue)	14:48 90	21:00 80S	02:19 266
2024 Nov 13 (Wed)	15:32 83	21:50 87S	03:15 274
2024 Nov 14 (Thu)	16:17 76	22:44 88N	04:13 281
2024 Nov 15 (Fri)	17:07 69	23:41 82N	05:14 288
2024 Nov 16 (Sat)	18:02 65		06:17 293
2024 Nov 17 (Sun)	19:01 62	00:42 77N	07:23 297
2024 Nov 18 (Mon)	20:03 61	01:45 75N	08:29 299
2024 Nov 19 (Tue)	21:05 62	02:47 75N	09:30 299
2024 Nov 20 (Wed)	22:04 65	03:46 76N	10:26 297
2024 Nov 21 (Thu)	22:59 69	04:41 80N	11:15 293
2024 Nov 22 (Fri)	23:50 74	05:30 84N	11:58 288
2024 Nov 23 (Sat)		06:15 89N	12:37 283
2024 Nov 24 (Sun)	00:37 80	06:56 87S	13:13 277
2024 Nov 25 (Mon)	01:22 86	07:36 81S	13:46 271
2024 Nov 26 (Tue)	02:06 91	08:14 75S	14:20 266
2024 Nov 27 (Wed)	02:51 97	08:54 69S	14:54 260
2024 Nov 28 (Thu)	03:36 103	09:34 64S	15:30 254
2024 Nov 29 (Fri)	04:24 108	10:17 59S	16:09 249
2024 Nov 30 (Sat)	05:14 113	11:04 54S	16:52 245
2024 Dec 01 (Sun)	06:08 116	11:55 51S	17:40 242
2024 Dec 02 (Mon)	07:03 119	12:48 49S	18:33 241
2024 Dec 03 (Tue)	08:00 119	13:44 49S	19:29 241
2024 Dec 04 (Wed)	08:55 118	14:41 51S	20:28 243
2024 Dec 05 (Thu)	09:47 115	15:36 54S	21:26 246
2024 Dec 06 (Fri)	10:36 111	16:28 58S	22:23 251
2024 Dec 07 (Sat)	11:21 106	17:18 64S	23:18 257
2024 Dec 08 (Sun)	12:04 99	18:06 70S	
2024 Dec 09 (Mon)	12:45 93	18:54 77S	00:12 264
2024 Dec 10 (Tue)	13:26 85	19:41 84S	01:06 271
2024 Dec 11 (Wed)	14:09 78	20:32 90N	02:00 278
2024 Dec 12 (Thu)	14:55 72	21:25 84N	02:58 285
2024 Dec 13 (Fri)	15:46 67	22:23 79N	03:58 291
2024 Dec 14 (Sat)	16:42 63	23:24 76N	05:02 296
2024 Dec 15 (Sun)	17:43 61		06:07 298
2024 Dec 16 (Mon)	18:46 61	00:27 75N	07:11 299
2024 Dec 17 (Tue)	19:47 63	01:29 75N	08:10 298
2024 Dec 18 (Wed)	20:46 67	02:27 78N	09:04 295
2024 Dec 19 (Thu)	21:40 72	03:20 82N	09:51 290
2024 Dec 20 (Fri)	22:29 77	04:07 87N	10:32 285
2024 Dec 21 (Sat)	23:16 83	04:51 89S	11:10 280
2024 Dec 22 (Sun)		05:32 83S	11:44 274
2024 Dec 23 (Mon)	00:01 89	06:11 77S	12:18 268
2024 Dec 24 (Tue)	00:45 95	06:50 71S	12:52 262
2024 Dec 25 (Wed)	01:30 101	07:30 66S	13:27 256
2024 Dec 26 (Thu)	02:17 106	08:12 60S	14:05 251
2024 Dec 27 (Fri)	03:06 111	08:57 56S	14:46 247
2024 Dec 28 (Sat)	03:58 115	09:46 52S	15:32 243
2024 Dec 29 (Sun)	04:53 118	10:39 50S	16:24 241
2024 Dec 30 (Mon)	05:50 119	11:35 49S	17:20 241
2024 Dec 31 (Tue)	06:47 119	12:32 50S	18:19 242