

Sun

Chaiyaphum

Location: E102°01'37.2", N15°50'45.6", 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)	05:49	06:39	114	12:15	52S	17:52	246	18:42
2025	Jan	02 (Thu)	05:49	06:40	114	12:16	52S	17:52	246	18:42
2025	Jan	03 (Fri)	05:50	06:40	114	12:16	52S	17:53	247	18:43
2025	Jan	04 (Sat)	05:50	06:40	113	12:17	52S	17:53	247	18:44
2025	Jan	05 (Sun)	05:51	06:41	113	12:17	52S	17:54	247	18:44
2025	Jan	06 (Mon)	05:51	06:41	113	12:18	52S	17:55	247	18:45
2025	Jan	07 (Tue)	05:51	06:41	113	12:18	53S	17:55	247	18:45
2025	Jan	08 (Wed)	05:52	06:41	113	12:19	53S	17:56	247	18:46
2025	Jan	09 (Thu)	05:52	06:42	113	12:19	53S	17:56	247	18:46
2025	Jan	10 (Fri)	05:52	06:42	113	12:19	53S	17:57	247	18:47
2025	Jan	11 (Sat)	05:52	06:42	112	12:20	53S	17:58	248	18:47
2025	Jan	12 (Sun)	05:53	06:42	112	12:20	53S	17:58	248	18:48
2025	Jan	13 (Mon)	05:53	06:42	112	12:21	53S	17:59	248	18:48
2025	Jan	14 (Tue)	05:53	06:43	112	12:21	54S	17:59	248	18:49
2025	Jan	15 (Wed)	05:53	06:43	112	12:21	54S	18:00	248	18:50
2025	Jan	16 (Thu)	05:53	06:43	112	12:22	54S	18:01	249	18:50
2025	Jan	17 (Fri)	05:53	06:43	111	12:22	54S	18:01	249	18:51
2025	Jan	18 (Sat)	05:54	06:43	111	12:22	54S	18:02	249	18:51
2025	Jan	19 (Sun)	05:54	06:43	111	12:23	55S	18:02	249	18:52
2025	Jan	20 (Mon)	05:54	06:43	111	12:23	55S	18:03	249	18:52
2025	Jan	21 (Tue)	05:54	06:43	110	12:23	55S	18:03	250	18:53
2025	Jan	22 (Wed)	05:54	06:43	110	12:23	55S	18:04	250	18:53
2025	Jan	23 (Thu)	05:54	06:43	110	12:24	55S	18:05	250	18:54
2025	Jan	24 (Fri)	05:54	06:43	110	12:24	56S	18:05	250	18:54
2025	Jan	25 (Sat)	05:54	06:43	109	12:24	56S	18:06	251	18:54
2025	Jan	26 (Sun)	05:54	06:43	109	12:24	56S	18:06	251	18:55
2025	Jan	27 (Mon)	05:54	06:43	109	12:25	56S	18:07	251	18:55
2025	Jan	28 (Tue)	05:54	06:43	109	12:25	57S	18:07	251	18:56
2025	Jan	29 (Wed)	05:54	06:42	108	12:25	57S	18:08	252	18:56
2025	Jan	30 (Thu)	05:54	06:42	108	12:25	57S	18:08	252	18:57
2025	Jan	31 (Fri)	05:54	06:42	108	12:25	58S	18:09	252	18:57
2025	Feb	01 (Sat)	05:54	06:42	108	12:25	58S	18:09	253	18:58
2025	Feb	02 (Sun)	05:53	06:42	107	12:26	58S	18:10	253	18:58
2025	Feb	03 (Mon)	05:53	06:41	107	12:26	58S	18:10	253	18:58
2025	Feb	04 (Tue)	05:53	06:41	107	12:26	59S	18:11	254	18:59
2025	Feb	05 (Wed)	05:53	06:41	106	12:26	59S	18:11	254	18:59
2025	Feb	06 (Thu)	05:53	06:41	106	12:26	59S	18:12	254	18:59
2025	Feb	07 (Fri)	05:52	06:40	106	12:26	60S	18:12	254	19:00
2025	Feb	08 (Sat)	05:52	06:40	105	12:26	60S	18:12	255	19:00
2025	Feb	09 (Sun)	05:52	06:40	105	12:26	60S	18:13	255	19:01
2025	Feb	10 (Mon)	05:51	06:39	105	12:26	61S	18:13	255	19:01
2025	Feb	11 (Tue)	05:51	06:39	104	12:26	61S	18:14	256	19:01
2025	Feb	12 (Wed)	05:51	06:38	104	12:26	61S	18:14	256	19:02
2025	Feb	13 (Thu)	05:50	06:38	104	12:26	62S	18:14	257	19:02
2025	Feb	14 (Fri)	05:50	06:38	103	12:26	62S	18:15	257	19:02
2025	Feb	15 (Sat)	05:50	06:37	103	12:26	62S	18:15	257	19:02
2025	Feb	16 (Sun)	05:49	06:37	103	12:26	63S	18:15	258	19:03
2025	Feb	17 (Mon)	05:49	06:36	102	12:26	63S	18:16	258	19:03
2025	Feb	18 (Tue)	05:48	06:36	102	12:26	63S	18:16	258	19:03
2025	Feb	19 (Wed)	05:48	06:35	101	12:26	64S	18:16	259	19:04
2025	Feb	20 (Thu)	05:48	06:35	101	12:26	64S	18:17	259	19:04
2025	Feb	21 (Fri)	05:47	06:34	101	12:25	64S	18:17	259	19:04
2025	Feb	22 (Sat)	05:47	06:34	100	12:25	65S	18:17	260	19:04
2025	Feb	23 (Sun)	05:46	06:33	100	12:25	65S	18:18	260	19:05
2025	Feb	24 (Mon)	05:46	06:32	100	12:25	65S	18:18	261	19:05
2025	Feb	25 (Tue)	05:45	06:32	99	12:25	66S	18:18	261	19:05
2025	Feb	26 (Wed)	05:44	06:31	99	12:25	66S	18:18	261	19:05
2025	Feb	27 (Thu)	05:44	06:31	98	12:25	67S	18:19	262	19:05
2025	Feb	28 (Fri)	05:43	06:30	98	12:24	67S	18:19	262	19:06
2025	Mar	01 (Sat)	05:43	06:29	98	12:24	67S	18:19	263	19:06

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

2025	May	13	(Tue)	04:53	05:43	71	12:08	88N	18:34	290	19:24
2025	May	14	(Wed)	04:53	05:43	70	12:08	88N	18:34	290	19:24
2025	May	15	(Thu)	04:52	05:42	70	12:08	88N	18:34	290	19:24
2025	May	16	(Fri)	04:52	05:42	70	12:08	87N	18:35	290	19:25
2025	May	17	(Sat)	04:52	05:42	70	12:08	87N	18:35	290	19:25
2025	May	18	(Sun)	04:51	05:42	69	12:08	87N	18:35	291	19:26
2025	May	19	(Mon)	04:51	05:41	69	12:08	87N	18:36	291	19:26
2025	May	20	(Tue)	04:51	05:41	69	12:08	87N	18:36	291	19:26
2025	May	21	(Wed)	04:50	05:41	69	12:08	86N	18:36	291	19:27
2025	May	22	(Thu)	04:50	05:41	69	12:09	86N	18:37	292	19:27
2025	May	23	(Fri)	04:50	05:40	68	12:09	86N	18:37	292	19:28
2025	May	24	(Sat)	04:50	05:40	68	12:09	86N	18:37	292	19:28
2025	May	25	(Sun)	04:49	05:40	68	12:09	86N	18:38	292	19:29
2025	May	26	(Mon)	04:49	05:40	68	12:09	85N	18:38	292	19:29
2025	May	27	(Tue)	04:49	05:40	68	12:09	85N	18:38	293	19:29
2025	May	28	(Wed)	04:49	05:40	67	12:09	85N	18:39	293	19:30
2025	May	29	(Thu)	04:49	05:40	67	12:09	85N	18:39	293	19:30
2025	May	30	(Fri)	04:48	05:40	67	12:09	85N	18:39	293	19:31
2025	May	31	(Sat)	04:48	05:40	67	12:10	85N	18:40	293	19:31
2025	Jun	01	(Sun)	04:48	05:40	67	12:10	84N	18:40	293	19:31
2025	Jun	02	(Mon)	04:48	05:40	67	12:10	84N	18:40	293	19:32
2025	Jun	03	(Tue)	04:48	05:40	66	12:10	84N	18:41	294	19:32
2025	Jun	04	(Wed)	04:48	05:40	66	12:10	84N	18:41	294	19:33
2025	Jun	05	(Thu)	04:48	05:40	66	12:10	84N	18:41	294	19:33
2025	Jun	06	(Fri)	04:48	05:40	66	12:11	84N	18:42	294	19:33
2025	Jun	07	(Sat)	04:48	05:40	66	12:11	84N	18:42	294	19:34
2025	Jun	08	(Sun)	04:48	05:40	66	12:11	84N	18:42	294	19:34
2025	Jun	09	(Mon)	04:48	05:40	66	12:11	84N	18:43	294	19:34
2025	Jun	10	(Tue)	04:48	05:40	66	12:11	84N	18:43	294	19:35
2025	Jun	11	(Wed)	04:48	05:40	66	12:12	83N	18:43	294	19:35
2025	Jun	12	(Thu)	04:48	05:40	66	12:12	83N	18:44	294	19:35
2025	Jun	13	(Fri)	04:48	05:40	66	12:12	83N	18:44	294	19:36
2025	Jun	14	(Sat)	04:48	05:40	66	12:12	83N	18:44	295	19:36
2025	Jun	15	(Sun)	04:49	05:40	65	12:12	83N	18:44	295	19:36
2025	Jun	16	(Mon)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2025	Jun	17	(Tue)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2025	Jun	18	(Wed)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2025	Jun	19	(Thu)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2025	Jun	20	(Fri)	04:49	05:41	65	12:13	83N	18:46	295	19:38
2025	Jun	21	(Sat)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2025	Jun	22	(Sun)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2025	Jun	23	(Mon)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2025	Jun	24	(Tue)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2025	Jun	25	(Wed)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2025	Jun	26	(Thu)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2025	Jun	27	(Fri)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2025	Jun	28	(Sat)	04:51	05:43	65	12:15	83N	18:47	294	19:39
2025	Jun	29	(Sun)	04:52	05:44	66	12:15	83N	18:47	294	19:39
2025	Jun	30	(Mon)	04:52	05:44	66	12:16	83N	18:47	294	19:39
2025	Jul	01	(Tue)	04:52	05:44	66	12:16	83N	18:47	294	19:39
2025	Jul	02	(Wed)	04:53	05:44	66	12:16	84N	18:47	294	19:39
2025	Jul	03	(Thu)	04:53	05:45	66	12:16	84N	18:48	294	19:39
2025	Jul	04	(Fri)	04:53	05:45	66	12:16	84N	18:48	294	19:39
2025	Jul	05	(Sat)	04:54	05:45	66	12:17	84N	18:48	294	19:39
2025	Jul	06	(Sun)	04:54	05:46	66	12:17	84N	18:48	294	19:39
2025	Jul	07	(Mon)	04:54	05:46	66	12:17	84N	18:48	294	19:39
2025	Jul	08	(Tue)	04:55	05:46	66	12:17	84N	18:48	294	19:39
2025	Jul	09	(Wed)	04:55	05:47	66	12:17	84N	18:48	293	19:39
2025	Jul	10	(Thu)	04:55	05:47	67	12:17	84N	18:48	293	19:39
2025	Jul	11	(Fri)	04:56	05:47	67	12:17	84N	18:48	293	19:39
2025	Jul	12	(Sat)	04:56	05:48	67	12:18	85N	18:48	293	19:39
2025	Jul	13	(Sun)	04:57	05:48	67	12:18	85N	18:47	293	19:39
2025	Jul	14	(Mon)	04:57	05:48	67	12:18	85N	18:47	293	19:38
2025	Jul	15	(Tue)	04:57	05:48	67	12:18	85N	18:47	293	19:38
2025	Jul	16	(Wed)	04:58	05:49	67	12:18	85N	18:47	292	19:38
2025	Jul	17	(Thu)	04:58	05:49	68	12:18	85N	18:47	292	19:38
2025	Jul	18	(Fri)	04:58	05:49	68	12:18	86N	18:47	292	19:38
2025	Jul	19	(Sat)	04:59	05:50	68	12:18	86N	18:47	292	19:37
2025	Jul	20	(Sun)	04:59	05:50	68	12:18	86N	18:46	292	19:37
2025	Jul	21	(Mon)	05:00	05:50	68	12:18	86N	18:46	291	19:37
2025	Jul	22	(Tue)	05:00	05:51	69	12:18	86N	18:46	291	19:37
2025	Jul	23	(Wed)	05:00	05:51	69	12:18	87N	18:46	291	19:36

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

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

2025	Dec	15	(Mon)	05:41	06:31	114	12:07	52S	17:43	246	18:33
2025	Dec	16	(Tue)	05:41	06:32	114	12:07	52S	17:43	246	18:34
2025	Dec	17	(Wed)	05:42	06:32	114	12:08	51S	17:44	246	18:34
2025	Dec	18	(Thu)	05:42	06:33	114	12:08	51S	17:44	246	18:34
2025	Dec	19	(Fri)	05:43	06:33	114	12:09	51S	17:45	246	18:35
2025	Dec	20	(Sat)	05:43	06:34	114	12:09	51S	17:45	246	18:35
2025	Dec	21	(Sun)	05:44	06:34	114	12:10	51S	17:46	246	18:36
2025	Dec	22	(Mon)	05:44	06:35	114	12:10	51S	17:46	246	18:36
2025	Dec	23	(Tue)	05:45	06:35	114	12:11	51S	17:47	246	18:37
2025	Dec	24	(Wed)	05:45	06:36	114	12:11	51S	17:47	246	18:37
2025	Dec	25	(Thu)	05:46	06:36	114	12:12	51S	17:48	246	18:38
2025	Dec	26	(Fri)	05:46	06:37	114	12:12	52S	17:48	246	18:38
2025	Dec	27	(Sat)	05:47	06:37	114	12:13	52S	17:49	246	18:39
2025	Dec	28	(Sun)	05:47	06:38	114	12:13	52S	17:49	246	18:40
2025	Dec	29	(Mon)	05:48	06:38	114	12:14	52S	17:50	246	18:40
2025	Dec	30	(Tue)	05:48	06:38	114	12:14	52S	17:50	246	18:41
2025	Dec	31	(Wed)	05:49	06:39	114	12:15	52S	17:51	246	18:41

Sun

Chaiyaphum

Location: E102°01'37.2", N15°50'45.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin	Rise	Az.	Transit	Alt.	Set	Az.	End
				Civil Twilight							Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2025	Jan	01	(Wed)	06:16	06:39	114	12:15	52S	17:52	246	18:15
2025	Jan	02	(Thu)	06:16	06:40	114	12:16	52S	17:52	246	18:16
2025	Jan	03	(Fri)	06:17	06:40	114	12:16	52S	17:53	247	18:16
2025	Jan	04	(Sat)	06:17	06:40	113	12:17	52S	17:53	247	18:17
2025	Jan	05	(Sun)	06:17	06:41	113	12:17	52S	17:54	247	18:17
2025	Jan	06	(Mon)	06:18	06:41	113	12:18	52S	17:55	247	18:18
2025	Jan	07	(Tue)	06:18	06:41	113	12:18	53S	17:55	247	18:18
2025	Jan	08	(Wed)	06:18	06:41	113	12:19	53S	17:56	247	18:19
2025	Jan	09	(Thu)	06:18	06:42	113	12:19	53S	17:56	247	18:20
2025	Jan	10	(Fri)	06:19	06:42	113	12:19	53S	17:57	247	18:20
2025	Jan	11	(Sat)	06:19	06:42	112	12:20	53S	17:58	248	18:21
2025	Jan	12	(Sun)	06:19	06:42	112	12:20	53S	17:58	248	18:21
2025	Jan	13	(Mon)	06:19	06:42	112	12:21	53S	17:59	248	18:22
2025	Jan	14	(Tue)	06:19	06:43	112	12:21	54S	17:59	248	18:22
2025	Jan	15	(Wed)	06:20	06:43	112	12:21	54S	18:00	248	18:23
2025	Jan	16	(Thu)	06:20	06:43	112	12:22	54S	18:01	249	18:24
2025	Jan	17	(Fri)	06:20	06:43	111	12:22	54S	18:01	249	18:24
2025	Jan	18	(Sat)	06:20	06:43	111	12:22	54S	18:02	249	18:25
2025	Jan	19	(Sun)	06:20	06:43	111	12:23	55S	18:02	249	18:25
2025	Jan	20	(Mon)	06:20	06:43	111	12:23	55S	18:03	249	18:26
2025	Jan	21	(Tue)	06:20	06:43	110	12:23	55S	18:03	250	18:26
2025	Jan	22	(Wed)	06:20	06:43	110	12:23	55S	18:04	250	18:27
2025	Jan	23	(Thu)	06:20	06:43	110	12:24	55S	18:05	250	18:27
2025	Jan	24	(Fri)	06:20	06:43	110	12:24	56S	18:05	250	18:28
2025	Jan	25	(Sat)	06:20	06:43	109	12:24	56S	18:06	251	18:28
2025	Jan	26	(Sun)	06:20	06:43	109	12:24	56S	18:06	251	18:29
2025	Jan	27	(Mon)	06:20	06:43	109	12:25	56S	18:07	251	18:29
2025	Jan	28	(Tue)	06:20	06:43	109	12:25	57S	18:07	251	18:30
2025	Jan	29	(Wed)	06:20	06:42	108	12:25	57S	18:08	252	18:30
2025	Jan	30	(Thu)	06:20	06:42	108	12:25	57S	18:08	252	18:31
2025	Jan	31	(Fri)	06:20	06:42	108	12:25	58S	18:09	252	18:31
2025	Feb	01	(Sat)	06:19	06:42	108	12:25	58S	18:09	253	18:32
2025	Feb	02	(Sun)	06:19	06:42	107	12:26	58S	18:10	253	18:32
2025	Feb	03	(Mon)	06:19	06:41	107	12:26	58S	18:10	253	18:33
2025	Feb	04	(Tue)	06:19	06:41	107	12:26	59S	18:11	254	18:33
2025	Feb	05	(Wed)	06:19	06:41	106	12:26	59S	18:11	254	18:33
2025	Feb	06	(Thu)	06:18	06:41	106	12:26	59S	18:12	254	18:34
2025	Feb	07	(Fri)	06:18	06:40	106	12:26	60S	18:12	254	18:34
2025	Feb	08	(Sat)	06:18	06:40	105	12:26	60S	18:12	255	18:35
2025	Feb	09	(Sun)	06:17	06:40	105	12:26	60S	18:13	255	18:35
2025	Feb	10	(Mon)	06:17	06:39	105	12:26	61S	18:13	255	18:35
2025	Feb	11	(Tue)	06:17	06:39	104	12:26	61S	18:14	256	18:36

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

2025	Apr	25	(Fri)	05:29	05:51	76	12:10	88S	18:29	284	18:51
2025	Apr	26	(Sat)	05:28	05:51	76	12:10	88S	18:29	284	18:51
2025	Apr	27	(Sun)	05:28	05:50	75	12:10	89S	18:29	285	18:52
2025	Apr	28	(Mon)	05:27	05:49	75	12:09	89S	18:30	285	18:52
2025	Apr	29	(Tue)	05:27	05:49	75	12:09	89S	18:30	285	18:52
2025	Apr	30	(Wed)	05:26	05:48	74	12:09	90S	18:30	286	18:52
2025	May	01	(Thu)	05:25	05:48	74	12:09	90S	18:30	286	18:53
2025	May	02	(Fri)	05:25	05:47	74	12:09	90S	18:31	286	18:53
2025	May	03	(Sat)	05:24	05:47	73	12:09	91S	18:31	287	18:53
2025	May	04	(Sun)	05:24	05:46	73	12:09	91N	18:31	287	18:54
2025	May	05	(Mon)	05:23	05:46	73	12:09	90N	18:31	287	18:54
2025	May	06	(Tue)	05:23	05:46	73	12:09	90N	18:32	288	18:54
2025	May	07	(Wed)	05:22	05:45	72	12:08	90N	18:32	288	18:55
2025	May	08	(Thu)	05:22	05:45	72	12:08	89N	18:32	288	18:55
2025	May	09	(Fri)	05:22	05:44	72	12:08	89N	18:32	288	18:55
2025	May	10	(Sat)	05:21	05:44	71	12:08	89N	18:33	289	18:56
2025	May	11	(Sun)	05:21	05:44	71	12:08	89N	18:33	289	18:56
2025	May	12	(Mon)	05:20	05:43	71	12:08	88N	18:33	289	18:56
2025	May	13	(Tue)	05:20	05:43	71	12:08	88N	18:34	290	18:57
2025	May	14	(Wed)	05:20	05:43	70	12:08	88N	18:34	290	18:57
2025	May	15	(Thu)	05:19	05:42	70	12:08	88N	18:34	290	18:57
2025	May	16	(Fri)	05:19	05:42	70	12:08	87N	18:35	290	18:58
2025	May	17	(Sat)	05:19	05:42	70	12:08	87N	18:35	290	18:58
2025	May	18	(Sun)	05:18	05:42	69	12:08	87N	18:35	291	18:58
2025	May	19	(Mon)	05:18	05:41	69	12:08	87N	18:36	291	18:59
2025	May	20	(Tue)	05:18	05:41	69	12:08	87N	18:36	291	18:59
2025	May	21	(Wed)	05:18	05:41	69	12:08	86N	18:36	291	19:00
2025	May	22	(Thu)	05:17	05:41	69	12:09	86N	18:37	292	19:00
2025	May	23	(Fri)	05:17	05:40	68	12:09	86N	18:37	292	19:00
2025	May	24	(Sat)	05:17	05:40	68	12:09	86N	18:37	292	19:01
2025	May	25	(Sun)	05:17	05:40	68	12:09	86N	18:38	292	19:01
2025	May	26	(Mon)	05:17	05:40	68	12:09	85N	18:38	292	19:01
2025	May	27	(Tue)	05:16	05:40	68	12:09	85N	18:38	293	19:02
2025	May	28	(Wed)	05:16	05:40	67	12:09	85N	18:39	293	19:02
2025	May	29	(Thu)	05:16	05:40	67	12:09	85N	18:39	293	19:02
2025	May	30	(Fri)	05:16	05:40	67	12:09	85N	18:39	293	19:03
2025	May	31	(Sat)	05:16	05:40	67	12:10	85N	18:40	293	19:03
2025	Jun	01	(Sun)	05:16	05:40	67	12:10	84N	18:40	293	19:04
2025	Jun	02	(Mon)	05:16	05:40	67	12:10	84N	18:40	293	19:04
2025	Jun	03	(Tue)	05:16	05:40	66	12:10	84N	18:41	294	19:04
2025	Jun	04	(Wed)	05:16	05:40	66	12:10	84N	18:41	294	19:05
2025	Jun	05	(Thu)	05:16	05:40	66	12:10	84N	18:41	294	19:05
2025	Jun	06	(Fri)	05:16	05:40	66	12:11	84N	18:42	294	19:05
2025	Jun	07	(Sat)	05:16	05:40	66	12:11	84N	18:42	294	19:06
2025	Jun	08	(Sun)	05:16	05:40	66	12:11	84N	18:42	294	19:06
2025	Jun	09	(Mon)	05:16	05:40	66	12:11	84N	18:43	294	19:06
2025	Jun	10	(Tue)	05:16	05:40	66	12:11	84N	18:43	294	19:07
2025	Jun	11	(Wed)	05:16	05:40	66	12:12	83N	18:43	294	19:07
2025	Jun	12	(Thu)	05:16	05:40	66	12:12	83N	18:44	294	19:07
2025	Jun	13	(Fri)	05:16	05:40	66	12:12	83N	18:44	294	19:08
2025	Jun	14	(Sat)	05:17	05:40	66	12:12	83N	18:44	295	19:08
2025	Jun	15	(Sun)	05:17	05:40	65	12:12	83N	18:44	295	19:08
2025	Jun	16	(Mon)	05:17	05:41	65	12:13	83N	18:45	295	19:08
2025	Jun	17	(Tue)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2025	Jun	18	(Wed)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2025	Jun	19	(Thu)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2025	Jun	20	(Fri)	05:18	05:41	65	12:13	83N	18:46	295	19:09
2025	Jun	21	(Sat)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2025	Jun	22	(Sun)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2025	Jun	23	(Mon)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2025	Jun	24	(Tue)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2025	Jun	25	(Wed)	05:19	05:43	65	12:15	83N	18:47	295	19:10
2025	Jun	26	(Thu)	05:19	05:43	65	12:15	83N	18:47	295	19:11
2025	Jun	27	(Fri)	05:19	05:43	65	12:15	83N	18:47	295	19:11
2025	Jun	28	(Sat)	05:20	05:43	65	12:15	83N	18:47	294	19:11
2025	Jun	29	(Sun)	05:20	05:44	66	12:15	83N	18:47	294	19:11
2025	Jun	30	(Mon)	05:20	05:44	66	12:16	83N	18:47	294	19:11
2025	Jul	01	(Tue)	05:20	05:44	66	12:16	83N	18:47	294	19:11
2025	Jul	02	(Wed)	05:21	05:44	66	12:16	84N	18:47	294	19:11
2025	Jul	03	(Thu)	05:21	05:45	66	12:16	84N	18:48	294	19:11
2025	Jul	04	(Fri)	05:21	05:45	66	12:16	84N	18:48	294	19:11
2025	Jul	05	(Sat)	05:22	05:45	66	12:17	84N	18:48	294	19:11

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

2025	Sep	16	(Tue)	05:39	06:00	87	12:07	77S	18:13	273	18:34
2025	Sep	17	(Wed)	05:39	06:00	87	12:06	77S	18:12	272	18:34
2025	Sep	18	(Thu)	05:39	06:01	88	12:06	77S	18:11	272	18:33
2025	Sep	19	(Fri)	05:39	06:01	88	12:06	76S	18:11	272	18:32
2025	Sep	20	(Sat)	05:39	06:01	89	12:05	76S	18:10	271	18:31
2025	Sep	21	(Sun)	05:39	06:01	89	12:05	75S	18:09	271	18:30
2025	Sep	22	(Mon)	05:39	06:01	89	12:05	75S	18:08	270	18:30
2025	Sep	23	(Tue)	05:40	06:01	90	12:04	75S	18:07	270	18:29
2025	Sep	24	(Wed)	05:40	06:01	90	12:04	74S	18:07	270	18:28
2025	Sep	25	(Thu)	05:40	06:01	91	12:04	74S	18:06	269	18:27
2025	Sep	26	(Fri)	05:40	06:01	91	12:03	74S	18:05	269	18:26
2025	Sep	27	(Sat)	05:40	06:01	91	12:03	73S	18:04	268	18:26
2025	Sep	28	(Sun)	05:40	06:02	92	12:03	73S	18:03	268	18:25
2025	Sep	29	(Mon)	05:40	06:02	92	12:02	72S	18:03	268	18:24
2025	Sep	30	(Tue)	05:40	06:02	93	12:02	72S	18:02	267	18:23
2025	Oct	01	(Wed)	05:40	06:02	93	12:02	72S	18:01	267	18:23
2025	Oct	02	(Thu)	05:40	06:02	93	12:01	71S	18:00	266	18:22
2025	Oct	03	(Fri)	05:41	06:02	94	12:01	71S	18:00	266	18:21
2025	Oct	04	(Sat)	05:41	06:02	94	12:01	70S	17:59	266	18:20
2025	Oct	05	(Sun)	05:41	06:02	95	12:00	70S	17:58	265	18:20
2025	Oct	06	(Mon)	05:41	06:02	95	12:00	70S	17:57	265	18:19
2025	Oct	07	(Tue)	05:41	06:03	95	12:00	69S	17:57	264	18:18
2025	Oct	08	(Wed)	05:41	06:03	96	11:59	69S	17:56	264	18:18
2025	Oct	09	(Thu)	05:41	06:03	96	11:59	69S	17:55	264	18:17
2025	Oct	10	(Fri)	05:41	06:03	97	11:59	68S	17:55	263	18:16
2025	Oct	11	(Sat)	05:42	06:03	97	11:59	68S	17:54	263	18:15
2025	Oct	12	(Sun)	05:42	06:03	97	11:58	67S	17:53	262	18:15
2025	Oct	13	(Mon)	05:42	06:04	98	11:58	67S	17:52	262	18:14
2025	Oct	14	(Tue)	05:42	06:04	98	11:58	67S	17:52	262	18:13
2025	Oct	15	(Wed)	05:42	06:04	99	11:58	66S	17:51	261	18:13
2025	Oct	16	(Thu)	05:42	06:04	99	11:57	66S	17:51	261	18:12
2025	Oct	17	(Fri)	05:43	06:04	99	11:57	66S	17:50	260	18:12
2025	Oct	18	(Sat)	05:43	06:05	100	11:57	65S	17:49	260	18:11
2025	Oct	19	(Sun)	05:43	06:05	100	11:57	65S	17:49	260	18:10
2025	Oct	20	(Mon)	05:43	06:05	101	11:57	64S	17:48	259	18:10
2025	Oct	21	(Tue)	05:44	06:05	101	11:57	64S	17:48	259	18:09
2025	Oct	22	(Wed)	05:44	06:06	101	11:56	64S	17:47	259	18:09
2025	Oct	23	(Thu)	05:44	06:06	102	11:56	63S	17:46	258	18:08
2025	Oct	24	(Fri)	05:44	06:06	102	11:56	63S	17:46	258	18:08
2025	Oct	25	(Sat)	05:44	06:06	102	11:56	63S	17:45	257	18:07
2025	Oct	26	(Sun)	05:45	06:07	103	11:56	62S	17:45	257	18:07
2025	Oct	27	(Mon)	05:45	06:07	103	11:56	62S	17:44	257	18:06
2025	Oct	28	(Tue)	05:45	06:07	103	11:56	62S	17:44	256	18:06
2025	Oct	29	(Wed)	05:46	06:08	104	11:56	61S	17:43	256	18:05
2025	Oct	30	(Thu)	05:46	06:08	104	11:56	61S	17:43	256	18:05
2025	Oct	31	(Fri)	05:46	06:08	104	11:56	61S	17:43	255	18:05
2025	Nov	01	(Sat)	05:47	06:09	105	11:55	60S	17:42	255	18:04
2025	Nov	02	(Sun)	05:47	06:09	105	11:55	60S	17:42	255	18:04
2025	Nov	03	(Mon)	05:47	06:09	105	11:55	60S	17:41	254	18:04
2025	Nov	04	(Tue)	05:48	06:10	106	11:55	59S	17:41	254	18:03
2025	Nov	05	(Wed)	05:48	06:10	106	11:55	59S	17:41	254	18:03
2025	Nov	06	(Thu)	05:48	06:11	106	11:56	59S	17:40	253	18:03
2025	Nov	07	(Fri)	05:49	06:11	107	11:56	59S	17:40	253	18:02
2025	Nov	08	(Sat)	05:49	06:11	107	11:56	58S	17:40	253	18:02
2025	Nov	09	(Sun)	05:49	06:12	107	11:56	58S	17:39	253	18:02
2025	Nov	10	(Mon)	05:50	06:12	108	11:56	58S	17:39	252	18:02
2025	Nov	11	(Tue)	05:50	06:13	108	11:56	57S	17:39	252	18:01
2025	Nov	12	(Wed)	05:51	06:13	108	11:56	57S	17:39	252	18:01
2025	Nov	13	(Thu)	05:51	06:14	108	11:56	57S	17:39	251	18:01
2025	Nov	14	(Fri)	05:51	06:14	109	11:56	57S	17:38	251	18:01
2025	Nov	15	(Sat)	05:52	06:15	109	11:56	56S	17:38	251	18:01
2025	Nov	16	(Sun)	05:52	06:15	109	11:57	56S	17:38	251	18:01
2025	Nov	17	(Mon)	05:53	06:16	110	11:57	56S	17:38	250	18:01
2025	Nov	18	(Tue)	05:53	06:16	110	11:57	56S	17:38	250	18:01
2025	Nov	19	(Wed)	05:54	06:17	110	11:57	55S	17:38	250	18:01
2025	Nov	20	(Thu)	05:54	06:17	110	11:58	55S	17:38	250	18:01
2025	Nov	21	(Fri)	05:55	06:18	110	11:58	55S	17:38	249	18:01
2025	Nov	22	(Sat)	05:55	06:18	111	11:58	55S	17:38	249	18:01
2025	Nov	23	(Sun)	05:56	06:19	111	11:58	54S	17:38	249	18:01
2025	Nov	24	(Mon)	05:56	06:19	111	11:59	54S	17:38	249	18:01
2025	Nov	25	(Tue)	05:57	06:20	111	11:59	54S	17:38	249	18:01
2025	Nov	26	(Wed)	05:57	06:20	112	11:59	54S	17:38	248	18:01

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

Moon

Chaiyaphum

Location: E102°01'37.2", N15°50'45.6", 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)	07:49	117		13:30	49S		19:12	245	
2025	Jan	02	(Thu)	08:39	113		14:24	53S		20:12	249	
2025	Jan	03	(Fri)	09:24	108		15:16	59S		21:11	255	
2025	Jan	04	(Sat)	10:06	101		16:05	65S		22:07	262	
2025	Jan	05	(Sun)	10:46	94		16:52	72S		23:02	269	
2025	Jan	06	(Mon)	11:25	87		17:39	79S		23:58	276	
2025	Jan	07	(Tue)	12:05	80		18:27	86S				
2025	Jan	08	(Wed)	12:47	74		19:18	89N		00:54	283	
2025	Jan	09	(Thu)	13:33	68		20:13	84N		01:54	289	
2025	Jan	10	(Fri)	14:24	64		21:11	80N		02:56	295	
2025	Jan	11	(Sat)	15:21	61		22:12	78N		04:00	298	
2025	Jan	12	(Sun)	16:22	60		23:13	78N		05:03	300	
2025	Jan	13	(Mon)	17:24	62					06:04	299	
2025	Jan	14	(Tue)	18:25	65		00:12	80N		06:59	297	
2025	Jan	15	(Wed)	19:22	69		01:08	83N		07:47	293	
2025	Jan	16	(Thu)	20:16	75		01:58	88N		08:30	288	
2025	Jan	17	(Fri)	21:06	81		02:44	88S		09:08	282	
2025	Jan	18	(Sat)	21:53	87		03:26	82S		09:43	276	
2025	Jan	19	(Sun)	22:40	93		04:06	76S		10:16	270	
2025	Jan	20	(Mon)	23:26	99		04:46	70S		10:48	264	
2025	Jan	21	(Tue)				05:25	64S		11:21	258	
2025	Jan	22	(Wed)	00:13	105		06:06	59S		11:56	253	
2025	Jan	23	(Thu)	01:02	110		06:49	54S		12:35	248	
2025	Jan	24	(Fri)	01:54	114		07:36	50S		13:17	244	
2025	Jan	25	(Sat)	02:48	117		08:27	47S		14:05	241	

2025	Jan	26	(Sun)	03:45	119	09:22	46S	14:58	240
2025	Jan	27	(Mon)	04:42	120	10:19	46S	15:57	241
2025	Jan	28	(Tue)	05:37	118	11:17	48S	16:58	243
2025	Jan	29	(Wed)	06:30	115	12:13	51S	17:59	247
2025	Jan	30	(Thu)	07:18	110	13:07	57S	19:00	253
2025	Jan	31	(Fri)	08:02	104	13:59	63S	19:58	260
2025	Feb	01	(Sat)	08:44	97	14:48	70S	20:56	267
2025	Feb	02	(Sun)	09:24	90	15:36	77S	21:52	274
2025	Feb	03	(Mon)	10:04	82	16:25	84S	22:50	281
2025	Feb	04	(Tue)	10:46	75	17:15	91S	23:48	288
2025	Feb	05	(Wed)	11:31	69	18:08	85N		
2025	Feb	06	(Thu)	12:20	65	19:05	81N	00:49	293
2025	Feb	07	(Fri)	13:14	61	20:04	78N	01:52	297
2025	Feb	08	(Sat)	14:12	60	21:04	78N	02:55	299
2025	Feb	09	(Sun)	15:13	61	22:03	79N	03:55	300
2025	Feb	10	(Mon)	16:13	63	22:58	82N	04:51	298
2025	Feb	11	(Tue)	17:11	67	23:50	86N	05:41	295
2025	Feb	12	(Wed)	18:06	73			06:25	290
2025	Feb	13	(Thu)	18:57	78	00:37	90S	07:04	285
2025	Feb	14	(Fri)	19:46	84	01:20	85S	07:40	279
2025	Feb	15	(Sat)	20:33	91	02:02	79S	08:14	272
2025	Feb	16	(Sun)	21:19	97	02:41	72S	08:47	266
2025	Feb	17	(Mon)	22:06	103	03:21	67S	09:19	260
2025	Feb	18	(Tue)	22:54	108	04:01	61S	09:54	255
2025	Feb	19	(Wed)	23:44	113	04:43	56S	10:30	250
2025	Feb	20	(Thu)			05:28	52S	11:10	245
2025	Feb	21	(Fri)	00:37	116	06:17	48S	11:55	242
2025	Feb	22	(Sat)	01:31	119	07:09	46S	12:45	240
2025	Feb	23	(Sun)	02:27	120	08:04	46S	13:40	240
2025	Feb	24	(Mon)	03:23	119	09:01	47S	14:39	242
2025	Feb	25	(Tue)	04:16	117	09:57	49S	15:40	245
2025	Feb	26	(Wed)	05:06	113	10:53	54S	16:42	250
2025	Feb	27	(Thu)	05:53	107	11:46	60S	17:42	256
2025	Feb	28	(Fri)	06:36	100	12:37	66S	18:41	263
2025	Mar	01	(Sat)	07:18	93	13:27	74S	19:40	271
2025	Mar	02	(Sun)	08:00	85	14:17	81S	20:39	279
2025	Mar	03	(Mon)	08:42	78	15:08	88S	21:39	286
2025	Mar	04	(Tue)	09:27	71	16:02	87N	22:41	292
2025	Mar	05	(Wed)	10:16	66	16:59	82N	23:45	296
2025	Mar	06	(Thu)	11:10	62	17:58	79N		
2025	Mar	07	(Fri)	12:07	60	18:59	78N	00:49	299
2025	Mar	08	(Sat)	13:07	60	19:58	78N	01:50	300
2025	Mar	09	(Sun)	14:07	62	20:54	81N	02:47	299
2025	Mar	10	(Mon)	15:05	66	21:46	84N	03:38	296
2025	Mar	11	(Tue)	16:00	71	22:33	89N	04:23	292
2025	Mar	12	(Wed)	16:51	76	23:17	87S	05:03	287
2025	Mar	13	(Thu)	17:40	82	23:59	81S	05:40	281
2025	Mar	14	(Fri)	18:27	88			06:14	275
2025	Mar	15	(Sat)	19:14	95	00:39	75S	06:47	269
2025	Mar	16	(Sun)	20:00	101	01:18	69S	07:19	262
2025	Mar	17	(Mon)	20:48	106	01:58	63S	07:53	257
2025	Mar	18	(Tue)	21:37	111	02:39	58S	08:28	251
2025	Mar	19	(Wed)	22:29	115	03:23	53S	09:07	247
2025	Mar	20	(Thu)	23:22	118	04:10	49S	09:50	243
2025	Mar	21	(Fri)			05:00	47S	10:37	241
2025	Mar	22	(Sat)	00:17	120	05:53	46S	11:29	240
2025	Mar	23	(Sun)	01:11	120	06:48	46S	12:25	241
2025	Mar	24	(Mon)	02:04	118	07:43	48S	13:24	243
2025	Mar	25	(Tue)	02:55	115	08:38	51S	14:23	247
2025	Mar	26	(Wed)	03:42	110	09:31	56S	15:23	253
2025	Mar	27	(Thu)	04:26	104	10:22	63S	16:22	259
2025	Mar	28	(Fri)	05:08	97	11:12	70S	17:21	267
2025	Mar	29	(Sat)	05:50	89	12:03	77S	18:20	275
2025	Mar	30	(Sun)	06:32	81	12:55	85S	19:21	282
2025	Mar	31	(Mon)	07:17	74	13:49	90N	20:25	289
2025	Apr	01	(Tue)	08:06	68	14:47	84N	21:31	295
2025	Apr	02	(Wed)	09:00	63	15:47	80N	22:37	298
2025	Apr	03	(Thu)	09:58	61	16:50	78N	23:42	300
2025	Apr	04	(Fri)	10:59	60	17:51	78N		
2025	Apr	05	(Sat)	12:01	62	18:49	80N	00:42	299
2025	Apr	06	(Sun)	13:00	65	19:43	83N	01:35	297
2025	Apr	07	(Mon)	13:56	69	20:32	88N	02:22	293

2025 Apr 08 (Tue)	14:48 74	21:17 88S	03:04 288
2025 Apr 09 (Wed)	15:37 80	21:58 83S	03:41 283
2025 Apr 10 (Thu)	16:25 86	22:38 77S	04:16 277
2025 Apr 11 (Fri)	17:11 92	23:17 71S	04:48 271
2025 Apr 12 (Sat)	17:57 99	23:57 65S	05:21 265
2025 Apr 13 (Sun)	18:44 104		05:54 259
2025 Apr 14 (Mon)	19:33 109	00:38 60S	06:28 253
2025 Apr 15 (Tue)	20:23 114	01:21 55S	07:06 248
2025 Apr 16 (Wed)	21:16 117	02:06 51S	07:47 244
2025 Apr 17 (Thu)	22:10 119	02:55 48S	08:33 242
2025 Apr 18 (Fri)	23:04 120	03:47 46S	09:23 240
2025 Apr 19 (Sat)	23:57 119	04:40 46S	10:17 240
2025 Apr 20 (Sun)		05:34 47S	11:13 242
2025 Apr 21 (Mon)	00:47 116	06:28 50S	12:11 245
2025 Apr 22 (Tue)	01:34 112	07:20 54S	13:08 250
2025 Apr 23 (Wed)	02:17 107	08:10 60S	14:06 256
2025 Apr 24 (Thu)	02:59 100	08:59 66S	15:03 263
2025 Apr 25 (Fri)	03:40 93	09:48 73S	16:01 271
2025 Apr 26 (Sat)	04:21 85	10:38 81S	17:00 278
2025 Apr 27 (Sun)	05:05 78	11:31 88S	18:03 286
2025 Apr 28 (Mon)	05:52 71	12:28 87N	19:08 292
2025 Apr 29 (Tue)	06:44 66	13:29 82N	20:16 297
2025 Apr 30 (Wed)	07:43 62	14:33 79N	21:25 299
2025 May 01 (Thu)	08:45 60	15:37 78N	22:29 300
2025 May 02 (Fri)	09:49 61	16:39 79N	23:27 298
2025 May 03 (Sat)	10:51 64	17:36 82N	
2025 May 04 (Sun)	11:49 68	18:28 86N	00:18 294
2025 May 05 (Mon)	12:44 73	19:15 90S	01:03 290
2025 May 06 (Tue)	13:34 78	19:58 84S	01:42 284
2025 May 07 (Wed)	14:22 84	20:38 79S	02:17 279
2025 May 08 (Thu)	15:09 91	21:17 73S	02:50 272
2025 May 09 (Fri)	15:54 97	21:56 67S	03:23 266
2025 May 10 (Sat)	16:41 102	22:37 61S	03:55 260
2025 May 11 (Sun)	17:29 108	23:19 56S	04:29 255
2025 May 12 (Mon)	18:19 112		05:06 250
2025 May 13 (Tue)	19:12 116	00:04 52S	05:46 246
2025 May 14 (Wed)	20:05 119	00:52 49S	06:30 243
2025 May 15 (Thu)	21:00 120	01:43 46S	07:19 241
2025 May 16 (Fri)	21:53 119	02:36 46S	08:12 240
2025 May 17 (Sat)	22:43 117	03:30 47S	09:08 242
2025 May 18 (Sun)	23:30 114	04:23 49S	10:04 244
2025 May 19 (Mon)		05:14 53S	11:01 249
2025 May 20 (Tue)	00:14 109	06:04 58S	11:57 254
2025 May 21 (Wed)	00:55 103	06:52 64S	12:52 260
2025 May 22 (Thu)	01:34 96	07:39 70S	13:47 268
2025 May 23 (Fri)	02:14 89	08:27 78S	14:44 275
2025 May 24 (Sat)	02:55 81	09:17 85S	15:43 282
2025 May 25 (Sun)	03:39 74	10:10 90N	16:46 289
2025 May 26 (Mon)	04:28 68	11:08 84N	17:52 294
2025 May 27 (Tue)	05:23 64	12:11 80N	19:01 298
2025 May 28 (Wed)	06:24 61	13:16 78N	20:09 300
2025 May 29 (Thu)	07:29 60	14:21 78N	21:12 299
2025 May 30 (Fri)	08:35 62	15:23 81N	22:08 296
2025 May 31 (Sat)	09:37 66	16:18 84N	22:57 292
2025 Jun 01 (Sun)	10:35 71	17:09 89N	23:39 286
2025 Jun 02 (Mon)	11:28 76	17:54 86S	
2025 Jun 03 (Tue)	12:18 82	18:36 80S	00:16 280
2025 Jun 04 (Wed)	13:05 89	19:16 74S	00:51 274
2025 Jun 05 (Thu)	13:51 95	19:55 69S	01:23 268
2025 Jun 06 (Fri)	14:37 101	20:35 63S	01:56 262
2025 Jun 07 (Sat)	15:25 106	21:17 58S	02:30 257
2025 Jun 08 (Sun)	16:14 111	22:01 53S	03:05 251
2025 Jun 09 (Mon)	17:06 115	22:48 50S	03:44 247
2025 Jun 10 (Tue)	18:00 118	23:38 47S	04:27 243
2025 Jun 11 (Wed)	18:55 119		05:15 241
2025 Jun 12 (Thu)	19:49 119	00:31 46S	06:07 240
2025 Jun 13 (Fri)	20:40 118	01:25 46S	07:03 241
2025 Jun 14 (Sat)	21:28 115	02:19 48S	08:00 244
2025 Jun 15 (Sun)	22:13 110	03:11 52S	08:57 247
2025 Jun 16 (Mon)	22:54 104	04:01 56S	09:53 253
2025 Jun 17 (Tue)	23:33 98	04:49 62S	10:47 259
2025 Jun 18 (Wed)		05:35 68S	11:41 265

2025 Jun 19 (Thu)	00:12 91	06:21 75S	12:35 272
2025 Jun 20 (Fri)	00:51 84	07:09 82S	13:31 280
2025 Jun 21 (Sat)	01:32 77	07:59 89S	14:31 286
2025 Jun 22 (Sun)	02:17 71	08:53 86N	15:34 292
2025 Jun 23 (Mon)	03:08 65	09:52 82N	16:40 297
2025 Jun 24 (Tue)	04:06 62	10:56 79N	17:48 299
2025 Jun 25 (Wed)	05:09 60	12:01 78N	18:53 299
2025 Jun 26 (Thu)	06:14 61	13:05 79N	19:53 297
2025 Jun 27 (Fri)	07:19 64	14:04 83N	20:46 294
2025 Jun 28 (Sat)	08:20 69	14:58 87N	21:32 289
2025 Jun 29 (Sun)	09:17 74	15:46 89S	22:12 283
2025 Jun 30 (Mon)	10:09 80	16:30 83S	22:48 277
2025 Jul 01 (Tue)	10:58 86	17:12 77S	23:22 270
2025 Jul 02 (Wed)	11:45 93	17:52 71S	23:55 264
2025 Jul 03 (Thu)	12:32 99	18:32 65S	
2025 Jul 04 (Fri)	13:19 104	19:13 59S	00:29 259
2025 Jul 05 (Sat)	14:08 109	19:56 55S	01:03 253
2025 Jul 06 (Sun)	14:59 114	20:42 51S	01:41 248
2025 Jul 07 (Mon)	15:52 117	21:31 48S	02:23 245
2025 Jul 08 (Tue)	16:47 119	22:24 46S	03:09 242
2025 Jul 09 (Wed)	17:41 120	23:18 46S	04:00 240
2025 Jul 10 (Thu)	18:35 119		04:55 241
2025 Jul 11 (Fri)	19:25 116	00:13 47S	05:52 243
2025 Jul 12 (Sat)	20:11 111	01:06 50S	06:50 246
2025 Jul 13 (Sun)	20:54 106	01:58 55S	07:47 251
2025 Jul 14 (Mon)	21:34 100	02:47 60S	08:43 257
2025 Jul 15 (Tue)	22:12 93	03:34 67S	09:37 263
2025 Jul 16 (Wed)	22:51 86	04:20 73S	10:31 271
2025 Jul 17 (Thu)	23:31 79	05:06 80S	11:26 278
2025 Jul 18 (Fri)		05:55 87S	12:23 284
2025 Jul 19 (Sat)	00:13 73	06:46 88N	13:23 291
2025 Jul 20 (Sun)	01:01 67	07:42 83N	14:27 295
2025 Jul 21 (Mon)	01:54 63	08:42 80N	15:32 299
2025 Jul 22 (Tue)	02:54 61	09:45 78N	16:37 300
2025 Jul 23 (Wed)	03:57 61	10:49 78N	17:39 299
2025 Jul 24 (Thu)	05:02 63	11:49 81N	18:34 296
2025 Jul 25 (Fri)	06:04 66	12:45 85N	19:23 291
2025 Jul 26 (Sat)	07:03 72	13:36 90N	20:05 285
2025 Jul 27 (Sun)	07:58 77	14:23 85S	20:44 279
2025 Jul 28 (Mon)	08:49 84	15:06 79S	21:19 273
2025 Jul 29 (Tue)	09:37 90	15:47 73S	21:53 267
2025 Jul 30 (Wed)	10:25 96	16:27 67S	22:26 261
2025 Jul 31 (Thu)	11:12 102	17:08 61S	23:01 255
2025 Aug 01 (Fri)	12:00 108	17:50 56S	23:37 250
2025 Aug 02 (Sat)	12:50 112	18:35 52S	
2025 Aug 03 (Sun)	13:43 116	19:23 49S	00:17 246
2025 Aug 04 (Mon)	14:36 119	20:14 46S	01:02 243
2025 Aug 05 (Tue)	15:31 120	21:07 46S	01:50 241
2025 Aug 06 (Wed)	16:25 119	22:02 47S	02:44 240
2025 Aug 07 (Thu)	17:17 117	22:57 49S	03:41 242
2025 Aug 08 (Fri)	18:05 113	23:50 53S	04:39 244
2025 Aug 09 (Sat)	18:50 108		05:37 249
2025 Aug 10 (Sun)	19:32 102	00:41 58S	06:35 255
2025 Aug 11 (Mon)	20:11 95	01:29 64S	07:31 261
2025 Aug 12 (Tue)	20:50 88	02:17 71S	08:26 268
2025 Aug 13 (Wed)	21:30 81	03:04 78S	09:22 276
2025 Aug 14 (Thu)	22:12 74	03:52 85S	10:18 283
2025 Aug 15 (Fri)	22:58 68	04:43 90N	11:18 289
2025 Aug 16 (Sat)	23:49 64	05:37 84N	12:20 294
2025 Aug 17 (Sun)		06:35 80N	13:24 298
2025 Aug 18 (Mon)	00:46 61	07:36 78N	14:28 300
2025 Aug 19 (Tue)	01:47 60	08:39 78N	15:30 299
2025 Aug 20 (Wed)	02:50 62	09:39 80N	16:26 297
2025 Aug 21 (Thu)	03:52 65	10:36 83N	17:16 293
2025 Aug 22 (Fri)	04:51 69	11:28 88N	18:00 288
2025 Aug 23 (Sat)	05:47 75	12:15 88S	18:40 282
2025 Aug 24 (Sun)	06:39 81	13:00 82S	19:16 276
2025 Aug 25 (Mon)	07:29 88	13:41 75S	19:50 269
2025 Aug 26 (Tue)	08:17 94	14:22 69S	20:24 263
2025 Aug 27 (Wed)	09:05 100	15:03 63S	20:58 257
2025 Aug 28 (Thu)	09:53 106	15:45 58S	21:34 252
2025 Aug 29 (Fri)	10:42 111	16:29 53S	22:13 247

2025 Aug 30 (Sat)	11:33 115	17:15 50S	22:55 244
2025 Aug 31 (Sun)	12:26 118	18:04 47S	23:41 241
2025 Sep 01 (Mon)	13:20 120	18:56 46S	
2025 Sep 02 (Tue)	14:14 120	19:50 46S	00:32 240
2025 Sep 03 (Wed)	15:06 118	20:44 48S	01:27 241
2025 Sep 04 (Thu)	15:56 115	21:38 51S	02:24 243
2025 Sep 05 (Fri)	16:42 111	22:30 56S	03:22 247
2025 Sep 06 (Sat)	17:25 105	23:20 61S	04:20 252
2025 Sep 07 (Sun)	18:06 98		05:18 258
2025 Sep 08 (Mon)	18:46 91	00:08 68S	06:14 265
2025 Sep 09 (Tue)	19:27 84	00:57 75S	07:11 273
2025 Sep 10 (Wed)	20:09 77	01:46 83S	08:09 280
2025 Sep 11 (Thu)	20:55 70	02:37 89S	09:09 287
2025 Sep 12 (Fri)	21:45 65	03:32 86N	10:12 293
2025 Sep 13 (Sat)	22:41 62	04:30 81N	11:17 297
2025 Sep 14 (Sun)	23:41 60	05:31 79N	12:22 299
2025 Sep 15 (Mon)		06:33 78N	13:24 300
2025 Sep 16 (Tue)	00:43 61	07:33 79N	14:22 298
2025 Sep 17 (Wed)	01:45 63	08:30 82N	15:13 295
2025 Sep 18 (Thu)	02:44 68	09:23 86N	15:58 290
2025 Sep 19 (Fri)	03:40 73	10:11 90S	16:38 284
2025 Sep 20 (Sat)	04:32 79	10:56 84S	17:15 278
2025 Sep 21 (Sun)	05:22 85	11:38 78S	17:50 272
2025 Sep 22 (Mon)	06:11 91	12:19 72S	18:23 265
2025 Sep 23 (Tue)	06:58 98	12:59 66S	18:57 259
2025 Sep 24 (Wed)	07:46 104	13:41 60S	19:32 254
2025 Sep 25 (Thu)	08:35 109	14:24 55S	20:10 249
2025 Sep 26 (Fri)	09:26 113	15:09 51S	20:50 245
2025 Sep 27 (Sat)	10:18 117	15:57 48S	21:35 242
2025 Sep 28 (Sun)	11:11 119	16:47 46S	22:23 240
2025 Sep 29 (Mon)	12:04 120	17:40 46S	23:16 240
2025 Sep 30 (Tue)	12:56 119	18:33 47S	
2025 Oct 01 (Wed)	13:46 117	19:26 49S	00:11 242
2025 Oct 02 (Thu)	14:32 113	20:17 53S	01:08 245
2025 Oct 03 (Fri)	15:16 108	21:07 58S	02:04 249
2025 Oct 04 (Sat)	15:58 102	21:56 65S	03:01 255
2025 Oct 05 (Sun)	16:38 95	22:44 72S	03:57 262
2025 Oct 06 (Mon)	17:18 87	23:33 79S	04:54 269
2025 Oct 07 (Tue)	18:01 80		05:53 276
2025 Oct 08 (Wed)	18:46 73	00:25 86S	06:53 284
2025 Oct 09 (Thu)	19:36 67	01:19 88N	07:57 290
2025 Oct 10 (Fri)	20:32 63	02:18 83N	09:03 295
2025 Oct 11 (Sat)	21:32 61	03:20 79N	10:11 299
2025 Oct 12 (Sun)	22:36 61	04:24 78N	11:16 300
2025 Oct 13 (Mon)	23:39 63	05:27 78N	12:17 299
2025 Oct 14 (Tue)		06:26 81N	13:10 296
2025 Oct 15 (Wed)	00:39 66	07:20 85N	13:57 291
2025 Oct 16 (Thu)	01:36 71	08:09 90N	14:39 286
2025 Oct 17 (Fri)	02:29 77	08:54 86S	15:16 280
2025 Oct 18 (Sat)	03:19 83	09:37 80S	15:51 274
2025 Oct 19 (Sun)	04:07 89	10:17 74S	16:24 268
2025 Oct 20 (Mon)	04:54 96	10:58 68S	16:58 262
2025 Oct 21 (Tue)	05:42 102	11:38 62S	17:32 256
2025 Oct 22 (Wed)	06:30 107	12:21 57S	18:09 251
2025 Oct 23 (Thu)	07:20 112	13:05 52S	18:48 246
2025 Oct 24 (Fri)	08:11 116	13:52 49S	19:31 243
2025 Oct 25 (Sat)	09:04 118	14:42 47S	20:18 241
2025 Oct 26 (Sun)	09:57 120	15:33 46S	21:09 240
2025 Oct 27 (Mon)	10:49 119	16:25 46S	22:02 241
2025 Oct 28 (Tue)	11:39 118	17:17 48S	22:57 243
2025 Oct 29 (Wed)	12:25 115	18:08 52S	23:53 247
2025 Oct 30 (Thu)	13:09 110	18:57 56S	
2025 Oct 31 (Fri)	13:50 105	19:44 62S	00:47 252
2025 Nov 01 (Sat)	14:29 98	20:31 68S	01:42 258
2025 Nov 02 (Sun)	15:09 91	21:19 75S	02:37 265
2025 Nov 03 (Mon)	15:49 84	22:08 83S	03:33 273
2025 Nov 04 (Tue)	16:33 77	23:01 90S	04:32 280
2025 Nov 05 (Wed)	17:21 70	23:59 86N	05:34 287
2025 Nov 06 (Thu)	18:15 65		06:41 293
2025 Nov 07 (Fri)	19:16 61	01:01 81N	07:50 297
2025 Nov 08 (Sat)	20:21 60	02:07 78N	08:59 299
2025 Nov 09 (Sun)	21:27 62	03:13 78N	10:05 299

2025 Nov 10 (Mon)	22:30 65	04:16 80N	11:03 297
2025 Nov 11 (Tue)	23:30 70	05:14 83N	11:54 293
2025 Nov 12 (Wed)		06:06 88N	12:38 288
2025 Nov 13 (Thu)	00:25 75	06:53 88S	13:17 282
2025 Nov 14 (Fri)	01:16 81	07:36 82S	13:53 276
2025 Nov 15 (Sat)	02:05 87	08:17 76S	14:26 269
2025 Nov 16 (Sun)	02:52 94	08:57 70S	14:59 263
2025 Nov 17 (Mon)	03:39 100	09:38 64S	15:33 258
2025 Nov 18 (Tue)	04:27 105	10:19 59S	16:09 252
2025 Nov 19 (Wed)	05:16 110	11:03 54S	16:47 248
2025 Nov 20 (Thu)	06:07 114	11:49 50S	17:29 244
2025 Nov 21 (Fri)	06:59 117	12:38 47S	18:15 242
2025 Nov 22 (Sat)	07:52 119	13:29 46S	19:05 240
2025 Nov 23 (Sun)	08:45 119	14:21 46S	19:58 241
2025 Nov 24 (Mon)	09:35 118	15:13 48S	20:52 243
2025 Nov 25 (Tue)	10:22 116	16:03 51S	21:46 246
2025 Nov 26 (Wed)	11:06 112	16:51 55S	22:40 251
2025 Nov 27 (Thu)	11:46 107	17:38 60S	23:33 256
2025 Nov 28 (Fri)	12:25 101	18:24 66S	
2025 Nov 29 (Sat)	13:03 94	19:09 72S	00:26 262
2025 Nov 30 (Sun)	13:41 87	19:56 79S	01:19 269
2025 Dec 01 (Mon)	14:22 80	20:45 86S	02:14 276
2025 Dec 02 (Tue)	15:06 73	21:39 89N	03:13 284
2025 Dec 03 (Wed)	15:56 67	22:38 83N	04:16 290
2025 Dec 04 (Thu)	16:53 63	23:42 80N	05:23 295
2025 Dec 05 (Fri)	17:57 61		06:33 298
2025 Dec 06 (Sat)	19:05 61	00:50 78N	07:43 299
2025 Dec 07 (Sun)	20:12 63	01:57 79N	08:46 298
2025 Dec 08 (Mon)	21:16 68	02:59 82N	09:43 294
2025 Dec 09 (Tue)	22:15 73	03:56 86N	10:31 290
2025 Dec 10 (Wed)	23:10 79	04:47 90S	11:14 284
2025 Dec 11 (Thu)		05:33 84S	11:52 278
2025 Dec 12 (Fri)	00:00 86	06:15 77S	12:27 271
2025 Dec 13 (Sat)	00:48 92	06:56 71S	13:00 265
2025 Dec 14 (Sun)	01:36 98	07:36 65S	13:34 259
2025 Dec 15 (Mon)	02:23 104	08:18 60S	14:09 254
2025 Dec 16 (Tue)	03:12 109	09:00 55S	14:46 249
2025 Dec 17 (Wed)	04:02 113	09:46 51S	15:27 245
2025 Dec 18 (Thu)	04:54 117	10:34 48S	16:12 242
2025 Dec 19 (Fri)	05:47 119	11:24 46S	17:01 241
2025 Dec 20 (Sat)	06:40 119	12:17 46S	17:53 241
2025 Dec 21 (Sun)	07:32 119	13:09 47S	18:47 242
2025 Dec 22 (Mon)	08:20 116	14:00 50S	19:42 245
2025 Dec 23 (Tue)	09:05 113	14:49 53S	20:36 249
2025 Dec 24 (Wed)	09:46 108	15:36 58S	21:29 255
2025 Dec 25 (Thu)	10:25 102	16:21 64S	22:21 261
2025 Dec 26 (Fri)	11:02 96	17:06 70S	23:13 267
2025 Dec 27 (Sat)	11:39 89	17:50 77S	
2025 Dec 28 (Sun)	12:17 83	18:37 84S	00:06 274
2025 Dec 29 (Mon)	12:58 76	19:26 90S	01:00 281
2025 Dec 30 (Tue)	13:43 70	20:21 86N	01:59 287
2025 Dec 31 (Wed)	14:35 65	21:20 81N	03:02 293