

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

2024	Mar	01	(Fri)	05:43	06:29	98	12:24	67S	18:19	263	19:06
2024	Mar	02	(Sat)	05:42	06:29	97	12:24	68S	18:19	263	19:06
2024	Mar	03	(Sun)	05:41	06:28	97	12:24	68S	18:20	263	19:06
2024	Mar	04	(Mon)	05:41	06:27	96	12:24	69S	18:20	264	19:07
2024	Mar	05	(Tue)	05:40	06:27	96	12:23	69S	18:20	264	19:07
2024	Mar	06	(Wed)	05:39	06:26	96	12:23	69S	18:20	265	19:07
2024	Mar	07	(Thu)	05:39	06:25	95	12:23	70S	18:21	265	19:07
2024	Mar	08	(Fri)	05:38	06:25	95	12:23	70S	18:21	265	19:07
2024	Mar	09	(Sat)	05:37	06:24	94	12:22	71S	18:21	266	19:07
2024	Mar	10	(Sun)	05:37	06:23	94	12:22	71S	18:21	266	19:08
2024	Mar	11	(Mon)	05:36	06:23	94	12:22	71S	18:21	267	19:08
2024	Mar	12	(Tue)	05:35	06:22	93	12:22	72S	18:22	267	19:08
2024	Mar	13	(Wed)	05:35	06:21	93	12:21	72S	18:22	268	19:08
2024	Mar	14	(Thu)	05:34	06:20	92	12:21	73S	18:22	268	19:08
2024	Mar	15	(Fri)	05:33	06:20	92	12:21	73S	18:22	268	19:08
2024	Mar	16	(Sat)	05:33	06:19	91	12:20	73S	18:22	269	19:09
2024	Mar	17	(Sun)	05:32	06:18	91	12:20	74S	18:22	269	19:09
2024	Mar	18	(Mon)	05:31	06:17	91	12:20	74S	18:23	270	19:09
2024	Mar	19	(Tue)	05:30	06:17	90	12:20	75S	18:23	270	19:09
2024	Mar	20	(Wed)	05:30	06:16	90	12:19	75S	18:23	270	19:09
2024	Mar	21	(Thu)	05:29	06:15	89	12:19	75S	18:23	271	19:09
2024	Mar	22	(Fri)	05:28	06:14	89	12:19	76S	18:23	271	19:10
2024	Mar	23	(Sat)	05:27	06:14	89	12:18	76S	18:23	272	19:10
2024	Mar	24	(Sun)	05:26	06:13	88	12:18	76S	18:23	272	19:10
2024	Mar	25	(Mon)	05:26	06:12	88	12:18	77S	18:24	272	19:10
2024	Mar	26	(Tue)	05:25	06:11	87	12:17	77S	18:24	273	19:10
2024	Mar	27	(Wed)	05:24	06:11	87	12:17	78S	18:24	273	19:10
2024	Mar	28	(Thu)	05:23	06:10	87	12:17	78S	18:24	274	19:11
2024	Mar	29	(Fri)	05:23	06:09	86	12:17	78S	18:24	274	19:11
2024	Mar	30	(Sat)	05:22	06:09	86	12:16	79S	18:24	274	19:11
2024	Mar	31	(Sun)	05:21	06:08	85	12:16	79S	18:24	275	19:11
2024	Apr	01	(Mon)	05:20	06:07	85	12:16	80S	18:25	275	19:11
2024	Apr	02	(Tue)	05:20	06:06	85	12:15	80S	18:25	276	19:12
2024	Apr	03	(Wed)	05:19	06:06	84	12:15	80S	18:25	276	19:12
2024	Apr	04	(Thu)	05:18	06:05	84	12:15	81S	18:25	276	19:12
2024	Apr	05	(Fri)	05:17	06:04	83	12:15	81S	18:25	277	19:12
2024	Apr	06	(Sat)	05:16	06:03	83	12:14	82S	18:25	277	19:12
2024	Apr	07	(Sun)	05:16	06:03	83	12:14	82S	18:25	278	19:13
2024	Apr	08	(Mon)	05:15	06:02	82	12:14	82S	18:26	278	19:13
2024	Apr	09	(Tue)	05:14	06:01	82	12:13	83S	18:26	278	19:13
2024	Apr	10	(Wed)	05:13	06:01	81	12:13	83S	18:26	279	19:13
2024	Apr	11	(Thu)	05:13	06:00	81	12:13	83S	18:26	279	19:13
2024	Apr	12	(Fri)	05:12	05:59	81	12:13	84S	18:26	280	19:14
2024	Apr	13	(Sat)	05:11	05:58	80	12:12	84S	18:26	280	19:14
2024	Apr	14	(Sun)	05:10	05:58	80	12:12	84S	18:27	280	19:14
2024	Apr	15	(Mon)	05:10	05:57	80	12:12	85S	18:27	281	19:14
2024	Apr	16	(Tue)	05:09	05:56	79	12:12	85S	18:27	281	19:15
2024	Apr	17	(Wed)	05:08	05:56	79	12:11	86S	18:27	281	19:15
2024	Apr	18	(Thu)	05:07	05:55	78	12:11	86S	18:27	282	19:15
2024	Apr	19	(Fri)	05:07	05:55	78	12:11	86S	18:28	282	19:15
2024	Apr	20	(Sat)	05:06	05:54	78	12:11	87S	18:28	282	19:16
2024	Apr	21	(Sun)	05:05	05:53	77	12:11	87S	18:28	283	19:16
2024	Apr	22	(Mon)	05:05	05:53	77	12:10	87S	18:28	283	19:16
2024	Apr	23	(Tue)	05:04	05:52	77	12:10	88S	18:28	284	19:17
2024	Apr	24	(Wed)	05:03	05:52	76	12:10	88S	18:29	284	19:17
2024	Apr	25	(Thu)	05:03	05:51	76	12:10	88S	18:29	284	19:17
2024	Apr	26	(Fri)	05:02	05:50	76	12:10	89S	18:29	285	19:18
2024	Apr	27	(Sat)	05:01	05:50	75	12:09	89S	18:29	285	19:18
2024	Apr	28	(Sun)	05:01	05:49	75	12:09	89S	18:30	285	19:18
2024	Apr	29	(Mon)	05:00	05:49	75	12:09	89S	18:30	286	19:18
2024	Apr	30	(Tue)	05:00	05:48	74	12:09	90S	18:30	286	19:19
2024	May	01	(Wed)	04:59	05:48	74	12:09	90S	18:30	286	19:19
2024	May	02	(Thu)	04:58	05:47	74	12:09	90S	18:31	286	19:20
2024	May	03	(Fri)	04:58	05:47	73	12:09	91S	18:31	287	19:20
2024	May	04	(Sat)	04:57	05:46	73	12:09	90N	18:31	287	19:20
2024	May	05	(Sun)	04:57	05:46	73	12:09	90N	18:31	287	19:21
2024	May	06	(Mon)	04:56	05:45	72	12:08	90N	18:32	288	19:21
2024	May	07	(Tue)	04:56	05:45	72	12:08	90N	18:32	288	19:21
2024	May	08	(Wed)	04:55	05:45	72	12:08	89N	18:32	288	19:22
2024	May	09	(Thu)	04:55	05:44	72	12:08	89N	18:33	289	19:22
2024	May	10	(Fri)	04:54	05:44	71	12:08	89N	18:33	289	19:23
2024	May	11	(Sat)	04:54	05:44	71	12:08	89N	18:33	289	19:23

2024	May	12	(Sun)	04:53	05:43	71	12:08	88N	18:33	289	19:23
2024	May	13	(Mon)	04:53	05:43	71	12:08	88N	18:34	290	19:24
2024	May	14	(Tue)	04:53	05:43	70	12:08	88N	18:34	290	19:24
2024	May	15	(Wed)	04:52	05:42	70	12:08	88N	18:34	290	19:25
2024	May	16	(Thu)	04:52	05:42	70	12:08	87N	18:35	290	19:25
2024	May	17	(Fri)	04:52	05:42	70	12:08	87N	18:35	291	19:25
2024	May	18	(Sat)	04:51	05:41	69	12:08	87N	18:35	291	19:26
2024	May	19	(Sun)	04:51	05:41	69	12:08	87N	18:36	291	19:26
2024	May	20	(Mon)	04:51	05:41	69	12:08	86N	18:36	291	19:27
2024	May	21	(Tue)	04:50	05:41	69	12:09	86N	18:36	291	19:27
2024	May	22	(Wed)	04:50	05:41	68	12:09	86N	18:37	292	19:27
2024	May	23	(Thu)	04:50	05:40	68	12:09	86N	18:37	292	19:28
2024	May	24	(Fri)	04:49	05:40	68	12:09	86N	18:37	292	19:28
2024	May	25	(Sat)	04:49	05:40	68	12:09	86N	18:38	292	19:29
2024	May	26	(Sun)	04:49	05:40	68	12:09	85N	18:38	292	19:29
2024	May	27	(Mon)	04:49	05:40	68	12:09	85N	18:38	293	19:29
2024	May	28	(Tue)	04:49	05:40	67	12:09	85N	18:39	293	19:30
2024	May	29	(Wed)	04:49	05:40	67	12:09	85N	18:39	293	19:30
2024	May	30	(Thu)	04:48	05:40	67	12:09	85N	18:39	293	19:31
2024	May	31	(Fri)	04:48	05:40	67	12:10	85N	18:40	293	19:31
2024	Jun	01	(Sat)	04:48	05:40	67	12:10	84N	18:40	293	19:32
2024	Jun	02	(Sun)	04:48	05:40	67	12:10	84N	18:40	293	19:32
2024	Jun	03	(Mon)	04:48	05:40	66	12:10	84N	18:41	294	19:32
2024	Jun	04	(Tue)	04:48	05:40	66	12:10	84N	18:41	294	19:33
2024	Jun	05	(Wed)	04:48	05:40	66	12:10	84N	18:41	294	19:33
2024	Jun	06	(Thu)	04:48	05:40	66	12:11	84N	18:42	294	19:33
2024	Jun	07	(Fri)	04:48	05:40	66	12:11	84N	18:42	294	19:34
2024	Jun	08	(Sat)	04:48	05:40	66	12:11	84N	18:42	294	19:34
2024	Jun	09	(Sun)	04:48	05:40	66	12:11	84N	18:43	294	19:35
2024	Jun	10	(Mon)	04:48	05:40	66	12:11	84N	18:43	294	19:35
2024	Jun	11	(Tue)	04:48	05:40	66	12:12	83N	18:43	294	19:35
2024	Jun	12	(Wed)	04:48	05:40	66	12:12	83N	18:44	294	19:35
2024	Jun	13	(Thu)	04:48	05:40	66	12:12	83N	18:44	294	19:36
2024	Jun	14	(Fri)	04:48	05:40	65	12:12	83N	18:44	295	19:36
2024	Jun	15	(Sat)	04:49	05:41	65	12:12	83N	18:44	295	19:36
2024	Jun	16	(Sun)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2024	Jun	17	(Mon)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2024	Jun	18	(Tue)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2024	Jun	19	(Wed)	04:49	05:41	65	12:13	83N	18:45	295	19:37
2024	Jun	20	(Thu)	04:49	05:41	65	12:14	83N	18:46	295	19:38
2024	Jun	21	(Fri)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2024	Jun	22	(Sat)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2024	Jun	23	(Sun)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2024	Jun	24	(Mon)	04:50	05:42	65	12:14	83N	18:46	295	19:38
2024	Jun	25	(Tue)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2024	Jun	26	(Wed)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2024	Jun	27	(Thu)	04:51	05:43	65	12:15	83N	18:47	295	19:39
2024	Jun	28	(Fri)	04:51	05:43	65	12:15	83N	18:47	294	19:39
2024	Jun	29	(Sat)	04:52	05:44	66	12:15	83N	18:47	294	19:39
2024	Jun	30	(Sun)	04:52	05:44	66	12:16	83N	18:47	294	19:39
2024	Jul	01	(Mon)	04:52	05:44	66	12:16	83N	18:47	294	19:39
2024	Jul	02	(Tue)	04:53	05:45	66	12:16	84N	18:47	294	19:39
2024	Jul	03	(Wed)	04:53	05:45	66	12:16	84N	18:48	294	19:39
2024	Jul	04	(Thu)	04:53	05:45	66	12:16	84N	18:48	294	19:39
2024	Jul	05	(Fri)	04:54	05:45	66	12:17	84N	18:48	294	19:39
2024	Jul	06	(Sat)	04:54	05:46	66	12:17	84N	18:48	294	19:39
2024	Jul	07	(Sun)	04:54	05:46	66	12:17	84N	18:48	294	19:39
2024	Jul	08	(Mon)	04:55	05:46	66	12:17	84N	18:48	294	19:39
2024	Jul	09	(Tue)	04:55	05:47	66	12:17	84N	18:48	293	19:39
2024	Jul	10	(Wed)	04:56	05:47	67	12:17	84N	18:48	293	19:39
2024	Jul	11	(Thu)	04:56	05:47	67	12:17	85N	18:48	293	19:39
2024	Jul	12	(Fri)	04:56	05:48	67	12:18	85N	18:48	293	19:39
2024	Jul	13	(Sat)	04:57	05:48	67	12:18	85N	18:47	293	19:39
2024	Jul	14	(Sun)	04:57	05:48	67	12:18	85N	18:47	293	19:38
2024	Jul	15	(Mon)	04:57	05:49	67	12:18	85N	18:47	293	19:38
2024	Jul	16	(Tue)	04:58	05:49	68	12:18	85N	18:47	292	19:38
2024	Jul	17	(Wed)	04:58	05:49	68	12:18	85N	18:47	292	19:38
2024	Jul	18	(Thu)	04:59	05:49	68	12:18	86N	18:47	292	19:38
2024	Jul	19	(Fri)	04:59	05:50	68	12:18	86N	18:47	292	19:37
2024	Jul	20	(Sat)	04:59	05:50	68	12:18	86N	18:46	292	19:37
2024	Jul	21	(Sun)	05:00	05:50	68	12:18	86N	18:46	291	19:37
2024	Jul	22	(Mon)	05:00	05:51	69	12:18	86N	18:46	291	19:36

2024	Jul	23	(Tue)	05:00	05:51	69	12:18	87N	18:46	291	19:36
2024	Jul	24	(Wed)	05:01	05:51	69	12:18	87N	18:45	291	19:36
2024	Jul	25	(Thu)	05:01	05:52	69	12:18	87N	18:45	291	19:35
2024	Jul	26	(Fri)	05:02	05:52	70	12:18	87N	18:45	290	19:35
2024	Jul	27	(Sat)	05:02	05:52	70	12:18	87N	18:45	290	19:35
2024	Jul	28	(Sun)	05:02	05:52	70	12:18	88N	18:44	290	19:34
2024	Jul	29	(Mon)	05:03	05:53	70	12:18	88N	18:44	290	19:34
2024	Jul	30	(Tue)	05:03	05:53	71	12:18	88N	18:44	289	19:33
2024	Jul	31	(Wed)	05:03	05:53	71	12:18	88N	18:43	289	19:33
2024	Aug	01	(Thu)	05:04	05:54	71	12:18	89N	18:43	289	19:32
2024	Aug	02	(Fri)	05:04	05:54	71	12:18	89N	18:42	289	19:32
2024	Aug	03	(Sat)	05:04	05:54	72	12:18	89N	18:42	288	19:31
2024	Aug	04	(Sun)	05:05	05:54	72	12:18	89N	18:42	288	19:31
2024	Aug	05	(Mon)	05:05	05:55	72	12:18	90N	18:41	288	19:30
2024	Aug	06	(Tue)	05:05	05:55	72	12:18	90N	18:41	287	19:30
2024	Aug	07	(Wed)	05:06	05:55	73	12:18	90N	18:40	287	19:29
2024	Aug	08	(Thu)	05:06	05:55	73	12:18	91N	18:40	287	19:29
2024	Aug	09	(Fri)	05:06	05:55	73	12:17	91S	18:39	287	19:28
2024	Aug	10	(Sat)	05:07	05:56	74	12:17	90S	18:39	286	19:27
2024	Aug	11	(Sun)	05:07	05:56	74	12:17	90S	18:38	286	19:27
2024	Aug	12	(Mon)	05:07	05:56	74	12:17	90S	18:38	286	19:26
2024	Aug	13	(Tue)	05:08	05:56	75	12:17	89S	18:37	285	19:26
2024	Aug	14	(Wed)	05:08	05:56	75	12:17	89S	18:36	285	19:25
2024	Aug	15	(Thu)	05:08	05:57	75	12:16	89S	18:36	285	19:24
2024	Aug	16	(Fri)	05:08	05:57	76	12:16	88S	18:35	284	19:24
2024	Aug	17	(Sat)	05:09	05:57	76	12:16	88S	18:35	284	19:23
2024	Aug	18	(Sun)	05:09	05:57	76	12:16	88S	18:34	284	19:22
2024	Aug	19	(Mon)	05:09	05:57	77	12:15	87S	18:33	283	19:21
2024	Aug	20	(Tue)	05:09	05:58	77	12:15	87S	18:33	283	19:21
2024	Aug	21	(Wed)	05:10	05:58	77	12:15	87S	18:32	283	19:20
2024	Aug	22	(Thu)	05:10	05:58	78	12:15	86S	18:31	282	19:19
2024	Aug	23	(Fri)	05:10	05:58	78	12:14	86S	18:31	282	19:19
2024	Aug	24	(Sat)	05:10	05:58	78	12:14	86S	18:30	282	19:18
2024	Aug	25	(Sun)	05:11	05:58	79	12:14	85S	18:29	281	19:17
2024	Aug	26	(Mon)	05:11	05:58	79	12:14	85S	18:29	281	19:16
2024	Aug	27	(Tue)	05:11	05:58	79	12:13	85S	18:28	280	19:15
2024	Aug	28	(Wed)	05:11	05:59	80	12:13	84S	18:27	280	19:15
2024	Aug	29	(Thu)	05:11	05:59	80	12:13	84S	18:27	280	19:14
2024	Aug	30	(Fri)	05:11	05:59	80	12:12	84S	18:26	279	19:13
2024	Aug	31	(Sat)	05:12	05:59	81	12:12	83S	18:25	279	19:12
2024	Sep	01	(Sun)	05:12	05:59	81	12:12	83S	18:24	279	19:12
2024	Sep	02	(Mon)	05:12	05:59	82	12:12	83S	18:24	278	19:11
2024	Sep	03	(Tue)	05:12	05:59	82	12:11	82S	18:23	278	19:10
2024	Sep	04	(Wed)	05:12	05:59	82	12:11	82S	18:22	277	19:09
2024	Sep	05	(Thu)	05:12	05:59	83	12:11	81S	18:21	277	19:08
2024	Sep	06	(Fri)	05:13	06:00	83	12:10	81S	18:21	277	19:07
2024	Sep	07	(Sat)	05:13	06:00	84	12:10	81S	18:20	276	19:07
2024	Sep	08	(Sun)	05:13	06:00	84	12:10	80S	18:19	276	19:06
2024	Sep	09	(Mon)	05:13	06:00	84	12:09	80S	18:18	275	19:05
2024	Sep	10	(Tue)	05:13	06:00	85	12:09	80S	18:17	275	19:04
2024	Sep	11	(Wed)	05:13	06:00	85	12:08	79S	18:17	275	19:03
2024	Sep	12	(Thu)	05:13	06:00	86	12:08	79S	18:16	274	19:03
2024	Sep	13	(Fri)	05:13	06:00	86	12:08	78S	18:15	274	19:02
2024	Sep	14	(Sat)	05:14	06:00	86	12:07	78S	18:14	273	19:01
2024	Sep	15	(Sun)	05:14	06:00	87	12:07	78S	18:13	273	19:00
2024	Sep	16	(Mon)	05:14	06:00	87	12:07	77S	18:13	273	18:59
2024	Sep	17	(Tue)	05:14	06:00	88	12:06	77S	18:12	272	18:58
2024	Sep	18	(Wed)	05:14	06:01	88	12:06	77S	18:11	272	18:58
2024	Sep	19	(Thu)	05:14	06:01	88	12:06	76S	18:10	271	18:57
2024	Sep	20	(Fri)	05:14	06:01	89	12:05	76S	18:10	271	18:56
2024	Sep	21	(Sat)	05:14	06:01	89	12:05	75S	18:09	271	18:55
2024	Sep	22	(Sun)	05:14	06:01	90	12:05	75S	18:08	270	18:54
2024	Sep	23	(Mon)	05:15	06:01	90	12:04	75S	18:07	270	18:54
2024	Sep	24	(Tue)	05:15	06:01	90	12:04	74S	18:06	269	18:53
2024	Sep	25	(Wed)	05:15	06:01	91	12:03	74S	18:06	269	18:52
2024	Sep	26	(Thu)	05:15	06:01	91	12:03	73S	18:05	269	18:51
2024	Sep	27	(Fri)	05:15	06:01	92	12:03	73S	18:04	268	18:50
2024	Sep	28	(Sat)	05:15	06:01	92	12:02	73S	18:03	268	18:50
2024	Sep	29	(Sun)	05:15	06:02	92	12:02	72S	18:02	267	18:49
2024	Sep	30	(Mon)	05:15	06:02	93	12:02	72S	18:02	267	18:48
2024	Oct	01	(Tue)	05:15	06:02	93	12:01	71S	18:01	267	18:47
2024	Oct	02	(Wed)	05:15	06:02	94	12:01	71S	18:00	266	18:47

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

2024	Dec	14	(Sat)	05:40	06:31	114	12:07	52S	17:43	246	18:33
2024	Dec	15	(Sun)	05:41	06:31	114	12:07	52S	17:43	246	18:33
2024	Dec	16	(Mon)	05:42	06:32	114	12:08	52S	17:43	246	18:34
2024	Dec	17	(Tue)	05:42	06:32	114	12:08	51S	17:44	246	18:34
2024	Dec	18	(Wed)	05:43	06:33	114	12:09	51S	17:44	246	18:35
2024	Dec	19	(Thu)	05:43	06:33	114	12:09	51S	17:45	246	18:35
2024	Dec	20	(Fri)	05:44	06:34	114	12:10	51S	17:45	246	18:36
2024	Dec	21	(Sat)	05:44	06:34	114	12:10	51S	17:46	246	18:36
2024	Dec	22	(Sun)	05:45	06:35	114	12:11	51S	17:46	246	18:37
2024	Dec	23	(Mon)	05:45	06:35	114	12:11	51S	17:47	246	18:37
2024	Dec	24	(Tue)	05:46	06:36	114	12:12	51S	17:47	246	18:38
2024	Dec	25	(Wed)	05:46	06:36	114	12:12	51S	17:48	246	18:38
2024	Dec	26	(Thu)	05:47	06:37	114	12:13	52S	17:48	246	18:39
2024	Dec	27	(Fri)	05:47	06:37	114	12:13	52S	17:49	246	18:39
2024	Dec	28	(Sat)	05:47	06:38	114	12:14	52S	17:49	246	18:40
2024	Dec	29	(Sun)	05:48	06:38	114	12:14	52S	17:50	246	18:40
2024	Dec	30	(Mon)	05:48	06:38	114	12:14	52S	17:51	246	18:41
2024	Dec	31	(Tue)	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 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)	06:16	06:39	114	12:15	52S	17:51	246	18:15
2024	Jan	02	(Tue)	06:16	06:39	114	12:16	52S	17:52	246	18:15
2024	Jan	03	(Wed)	06:16	06:40	114	12:16	52S	17:52	246	18:16
2024	Jan	04	(Thu)	06:17	06:40	113	12:16	52S	17:53	247	18:16
2024	Jan	05	(Fri)	06:17	06:40	113	12:17	52S	17:54	247	18:17
2024	Jan	06	(Sat)	06:17	06:41	113	12:17	52S	17:54	247	18:17
2024	Jan	07	(Sun)	06:18	06:41	113	12:18	52S	17:55	247	18:18
2024	Jan	08	(Mon)	06:18	06:41	113	12:18	53S	17:55	247	18:19
2024	Jan	09	(Tue)	06:18	06:41	113	12:19	53S	17:56	247	18:19
2024	Jan	10	(Wed)	06:18	06:42	113	12:19	53S	17:57	247	18:20
2024	Jan	11	(Thu)	06:19	06:42	113	12:20	53S	17:57	247	18:20
2024	Jan	12	(Fri)	06:19	06:42	112	12:20	53S	17:58	248	18:21
2024	Jan	13	(Sat)	06:19	06:42	112	12:20	53S	17:58	248	18:21
2024	Jan	14	(Sun)	06:19	06:42	112	12:21	53S	17:59	248	18:22
2024	Jan	15	(Mon)	06:20	06:43	112	12:21	54S	18:00	248	18:23
2024	Jan	16	(Tue)	06:20	06:43	112	12:21	54S	18:00	248	18:23
2024	Jan	17	(Wed)	06:20	06:43	111	12:22	54S	18:01	249	18:24
2024	Jan	18	(Thu)	06:20	06:43	111	12:22	54S	18:01	249	18:24
2024	Jan	19	(Fri)	06:20	06:43	111	12:22	54S	18:02	249	18:25
2024	Jan	20	(Sat)	06:20	06:43	111	12:23	55S	18:03	249	18:25
2024	Jan	21	(Sun)	06:20	06:43	111	12:23	55S	18:03	249	18:26
2024	Jan	22	(Mon)	06:20	06:43	110	12:23	55S	18:04	250	18:26
2024	Jan	23	(Tue)	06:20	06:43	110	12:24	55S	18:04	250	18:27
2024	Jan	24	(Wed)	06:20	06:43	110	12:24	56S	18:05	250	18:27
2024	Jan	25	(Thu)	06:20	06:43	110	12:24	56S	18:05	250	18:28
2024	Jan	26	(Fri)	06:20	06:43	109	12:24	56S	18:06	251	18:28
2024	Jan	27	(Sat)	06:20	06:43	109	12:24	56S	18:06	251	18:29
2024	Jan	28	(Sun)	06:20	06:43	109	12:25	57S	18:07	251	18:29
2024	Jan	29	(Mon)	06:20	06:42	109	12:25	57S	18:07	252	18:30
2024	Jan	30	(Tue)	06:20	06:42	108	12:25	57S	18:08	252	18:30
2024	Jan	31	(Wed)	06:20	06:42	108	12:25	57S	18:08	252	18:31
2024	Feb	01	(Thu)	06:19	06:42	108	12:25	58S	18:09	252	18:31
2024	Feb	02	(Fri)	06:19	06:42	107	12:25	58S	18:09	253	18:32
2024	Feb	03	(Sat)	06:19	06:42	107	12:26	58S	18:10	253	18:32
2024	Feb	04	(Sun)	06:19	06:41	107	12:26	58S	18:10	253	18:33
2024	Feb	05	(Mon)	06:19	06:41	107	12:26	59S	18:11	254	18:33
2024	Feb	06	(Tue)	06:18	06:41	106	12:26	59S	18:11	254	18:33
2024	Feb	07	(Wed)	06:18	06:40	106	12:26	59S	18:12	254	18:34
2024	Feb	08	(Thu)	06:18	06:40	106	12:26	60S	18:12	255	18:34
2024	Feb	09	(Fri)	06:18	06:40	105	12:26	60S	18:12	255	18:35
2024	Feb	10	(Sat)	06:17	06:39	105	12:26	60S	18:13	255	18:35

2024	Feb	11	(Sun)	06:17	06:39	105	12:26	61S	18:13	256	18:35
2024	Feb	12	(Mon)	06:17	06:39	104	12:26	61S	18:14	256	18:36
2024	Feb	13	(Tue)	06:16	06:38	104	12:26	61S	18:14	256	18:36
2024	Feb	14	(Wed)	06:16	06:38	104	12:26	62S	18:14	257	18:36
2024	Feb	15	(Thu)	06:15	06:37	103	12:26	62S	18:15	257	18:37
2024	Feb	16	(Fri)	06:15	06:37	103	12:26	62S	18:15	257	18:37
2024	Feb	17	(Sat)	06:15	06:37	102	12:26	63S	18:16	258	18:37
2024	Feb	18	(Sun)	06:14	06:36	102	12:26	63S	18:16	258	18:38
2024	Feb	19	(Mon)	06:14	06:36	102	12:26	63S	18:16	258	18:38
2024	Feb	20	(Tue)	06:13	06:35	101	12:26	64S	18:17	259	18:38
2024	Feb	21	(Wed)	06:13	06:35	101	12:26	64S	18:17	259	18:39
2024	Feb	22	(Thu)	06:12	06:34	101	12:25	64S	18:17	260	18:39
2024	Feb	23	(Fri)	06:12	06:33	100	12:25	65S	18:17	260	18:39
2024	Feb	24	(Sat)	06:11	06:33	100	12:25	65S	18:18	260	18:39
2024	Feb	25	(Sun)	06:11	06:32	100	12:25	66S	18:18	261	18:40
2024	Feb	26	(Mon)	06:10	06:32	99	12:25	66S	18:18	261	18:40
2024	Feb	27	(Tue)	06:09	06:31	99	12:25	66S	18:19	261	18:40
2024	Feb	28	(Wed)	06:09	06:31	98	12:25	67S	18:19	262	18:40
2024	Feb	29	(Thu)	06:08	06:30	98	12:24	67S	18:19	262	18:41
2024	Mar	01	(Fri)	06:08	06:29	98	12:24	67S	18:19	263	18:41
2024	Mar	02	(Sat)	06:07	06:29	97	12:24	68S	18:19	263	18:41
2024	Mar	03	(Sun)	06:06	06:28	97	12:24	68S	18:20	263	18:41
2024	Mar	04	(Mon)	06:06	06:27	96	12:24	69S	18:20	264	18:42
2024	Mar	05	(Tue)	06:05	06:27	96	12:23	69S	18:20	264	18:42
2024	Mar	06	(Wed)	06:04	06:26	96	12:23	69S	18:20	265	18:42
2024	Mar	07	(Thu)	06:04	06:25	95	12:23	70S	18:21	265	18:42
2024	Mar	08	(Fri)	06:03	06:25	95	12:23	70S	18:21	265	18:42
2024	Mar	09	(Sat)	06:02	06:24	94	12:22	71S	18:21	266	18:42
2024	Mar	10	(Sun)	06:02	06:23	94	12:22	71S	18:21	266	18:43
2024	Mar	11	(Mon)	06:01	06:23	94	12:22	71S	18:21	267	18:43
2024	Mar	12	(Tue)	06:00	06:22	93	12:22	72S	18:22	267	18:43
2024	Mar	13	(Wed)	06:00	06:21	93	12:21	72S	18:22	268	18:43
2024	Mar	14	(Thu)	05:59	06:20	92	12:21	73S	18:22	268	18:43
2024	Mar	15	(Fri)	05:58	06:20	92	12:21	73S	18:22	268	18:44
2024	Mar	16	(Sat)	05:57	06:19	91	12:20	73S	18:22	269	18:44
2024	Mar	17	(Sun)	05:57	06:18	91	12:20	74S	18:22	269	18:44
2024	Mar	18	(Mon)	05:56	06:17	91	12:20	74S	18:23	270	18:44
2024	Mar	19	(Tue)	05:55	06:17	90	12:20	75S	18:23	270	18:44
2024	Mar	20	(Wed)	05:55	06:16	90	12:19	75S	18:23	270	18:44
2024	Mar	21	(Thu)	05:54	06:15	89	12:19	75S	18:23	271	18:44
2024	Mar	22	(Fri)	05:53	06:14	89	12:19	76S	18:23	271	18:45
2024	Mar	23	(Sat)	05:52	06:14	89	12:18	76S	18:23	272	18:45
2024	Mar	24	(Sun)	05:52	06:13	88	12:18	76S	18:23	272	18:45
2024	Mar	25	(Mon)	05:51	06:12	88	12:18	77S	18:24	272	18:45
2024	Mar	26	(Tue)	05:50	06:11	87	12:17	77S	18:24	273	18:45
2024	Mar	27	(Wed)	05:49	06:11	87	12:17	78S	18:24	273	18:45
2024	Mar	28	(Thu)	05:48	06:10	87	12:17	78S	18:24	274	18:46
2024	Mar	29	(Fri)	05:48	06:09	86	12:17	78S	18:24	274	18:46
2024	Mar	30	(Sat)	05:47	06:09	86	12:16	79S	18:24	274	18:46
2024	Mar	31	(Sun)	05:46	06:08	85	12:16	79S	18:24	275	18:46
2024	Apr	01	(Mon)	05:45	06:07	85	12:16	80S	18:25	275	18:46
2024	Apr	02	(Tue)	05:45	06:06	85	12:15	80S	18:25	276	18:46
2024	Apr	03	(Wed)	05:44	06:06	84	12:15	80S	18:25	276	18:47
2024	Apr	04	(Thu)	05:43	06:05	84	12:15	81S	18:25	276	18:47
2024	Apr	05	(Fri)	05:42	06:04	83	12:15	81S	18:25	277	18:47
2024	Apr	06	(Sat)	05:42	06:03	83	12:14	82S	18:25	277	18:47
2024	Apr	07	(Sun)	05:41	06:03	83	12:14	82S	18:25	278	18:47
2024	Apr	08	(Mon)	05:40	06:02	82	12:14	82S	18:26	278	18:47
2024	Apr	09	(Tue)	05:39	06:01	82	12:13	83S	18:26	278	18:48
2024	Apr	10	(Wed)	05:39	06:01	81	12:13	83S	18:26	279	18:48
2024	Apr	11	(Thu)	05:38	06:00	81	12:13	83S	18:26	279	18:48
2024	Apr	12	(Fri)	05:37	05:59	81	12:13	84S	18:26	280	18:48
2024	Apr	13	(Sat)	05:37	05:58	80	12:12	84S	18:26	280	18:48
2024	Apr	14	(Sun)	05:36	05:58	80	12:12	84S	18:27	280	18:49
2024	Apr	15	(Mon)	05:35	05:57	80	12:12	85S	18:27	281	18:49
2024	Apr	16	(Tue)	05:35	05:56	79	12:12	85S	18:27	281	18:49
2024	Apr	17	(Wed)	05:34	05:56	79	12:11	86S	18:27	281	18:49
2024	Apr	18	(Thu)	05:33	05:55	78	12:11	86S	18:27	282	18:49
2024	Apr	19	(Fri)	05:33	05:55	78	12:11	86S	18:28	282	18:50
2024	Apr	20	(Sat)	05:32	05:54	78	12:11	87S	18:28	282	18:50
2024	Apr	21	(Sun)	05:31	05:53	77	12:11	87S	18:28	283	18:50
2024	Apr	22	(Mon)	05:31	05:53	77	12:10	87S	18:28	283	18:50

2024	Apr	23	(Tue)	05:30	05:52	77	12:10	88S	18:28	284	18:51
2024	Apr	24	(Wed)	05:29	05:52	76	12:10	88S	18:29	284	18:51
2024	Apr	25	(Thu)	05:29	05:51	76	12:10	88S	18:29	284	18:51
2024	Apr	26	(Fri)	05:28	05:50	76	12:10	89S	18:29	285	18:51
2024	Apr	27	(Sat)	05:28	05:50	75	12:09	89S	18:29	285	18:52
2024	Apr	28	(Sun)	05:27	05:49	75	12:09	89S	18:30	285	18:52
2024	Apr	29	(Mon)	05:26	05:49	75	12:09	89S	18:30	286	18:52
2024	Apr	30	(Tue)	05:26	05:48	74	12:09	90S	18:30	286	18:53
2024	May	01	(Wed)	05:25	05:48	74	12:09	90S	18:30	286	18:53
2024	May	02	(Thu)	05:25	05:47	74	12:09	90S	18:31	286	18:53
2024	May	03	(Fri)	05:24	05:47	73	12:09	91S	18:31	287	18:53
2024	May	04	(Sat)	05:24	05:46	73	12:09	90N	18:31	287	18:54
2024	May	05	(Sun)	05:23	05:46	73	12:09	90N	18:31	287	18:54
2024	May	06	(Mon)	05:23	05:45	72	12:08	90N	18:32	288	18:54
2024	May	07	(Tue)	05:22	05:45	72	12:08	90N	18:32	288	18:55
2024	May	08	(Wed)	05:22	05:45	72	12:08	89N	18:32	288	18:55
2024	May	09	(Thu)	05:22	05:44	72	12:08	89N	18:33	289	18:55
2024	May	10	(Fri)	05:21	05:44	71	12:08	89N	18:33	289	18:56
2024	May	11	(Sat)	05:21	05:44	71	12:08	89N	18:33	289	18:56
2024	May	12	(Sun)	05:20	05:43	71	12:08	88N	18:33	289	18:56
2024	May	13	(Mon)	05:20	05:43	71	12:08	88N	18:34	290	18:57
2024	May	14	(Tue)	05:20	05:43	70	12:08	88N	18:34	290	18:57
2024	May	15	(Wed)	05:19	05:42	70	12:08	88N	18:34	290	18:57
2024	May	16	(Thu)	05:19	05:42	70	12:08	87N	18:35	290	18:58
2024	May	17	(Fri)	05:19	05:42	70	12:08	87N	18:35	291	18:58
2024	May	18	(Sat)	05:18	05:41	69	12:08	87N	18:35	291	18:59
2024	May	19	(Sun)	05:18	05:41	69	12:08	87N	18:36	291	18:59
2024	May	20	(Mon)	05:18	05:41	69	12:08	86N	18:36	291	18:59
2024	May	21	(Tue)	05:18	05:41	69	12:09	86N	18:36	291	19:00
2024	May	22	(Wed)	05:17	05:41	68	12:09	86N	18:37	292	19:00
2024	May	23	(Thu)	05:17	05:40	68	12:09	86N	18:37	292	19:00
2024	May	24	(Fri)	05:17	05:40	68	12:09	86N	18:37	292	19:01
2024	May	25	(Sat)	05:17	05:40	68	12:09	86N	18:38	292	19:01
2024	May	26	(Sun)	05:17	05:40	68	12:09	85N	18:38	292	19:01
2024	May	27	(Mon)	05:16	05:40	68	12:09	85N	18:38	293	19:02
2024	May	28	(Tue)	05:16	05:40	67	12:09	85N	18:39	293	19:02
2024	May	29	(Wed)	05:16	05:40	67	12:09	85N	18:39	293	19:03
2024	May	30	(Thu)	05:16	05:40	67	12:09	85N	18:39	293	19:03
2024	May	31	(Fri)	05:16	05:40	67	12:10	85N	18:40	293	19:03
2024	Jun	01	(Sat)	05:16	05:40	67	12:10	84N	18:40	293	19:04
2024	Jun	02	(Sun)	05:16	05:40	67	12:10	84N	18:40	293	19:04
2024	Jun	03	(Mon)	05:16	05:40	66	12:10	84N	18:41	294	19:04
2024	Jun	04	(Tue)	05:16	05:40	66	12:10	84N	18:41	294	19:05
2024	Jun	05	(Wed)	05:16	05:40	66	12:10	84N	18:41	294	19:05
2024	Jun	06	(Thu)	05:16	05:40	66	12:11	84N	18:42	294	19:05
2024	Jun	07	(Fri)	05:16	05:40	66	12:11	84N	18:42	294	19:06
2024	Jun	08	(Sat)	05:16	05:40	66	12:11	84N	18:42	294	19:06
2024	Jun	09	(Sun)	05:16	05:40	66	12:11	84N	18:43	294	19:06
2024	Jun	10	(Mon)	05:16	05:40	66	12:11	84N	18:43	294	19:07
2024	Jun	11	(Tue)	05:16	05:40	66	12:12	83N	18:43	294	19:07
2024	Jun	12	(Wed)	05:16	05:40	66	12:12	83N	18:44	294	19:07
2024	Jun	13	(Thu)	05:16	05:40	66	12:12	83N	18:44	294	19:08
2024	Jun	14	(Fri)	05:17	05:40	65	12:12	83N	18:44	295	19:08
2024	Jun	15	(Sat)	05:17	05:41	65	12:12	83N	18:44	295	19:08
2024	Jun	16	(Sun)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2024	Jun	17	(Mon)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2024	Jun	18	(Tue)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2024	Jun	19	(Wed)	05:17	05:41	65	12:13	83N	18:45	295	19:09
2024	Jun	20	(Thu)	05:18	05:41	65	12:14	83N	18:46	295	19:09
2024	Jun	21	(Fri)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2024	Jun	22	(Sat)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2024	Jun	23	(Sun)	05:18	05:42	65	12:14	83N	18:46	295	19:10
2024	Jun	24	(Mon)	05:19	05:42	65	12:14	83N	18:46	295	19:10
2024	Jun	25	(Tue)	05:19	05:43	65	12:15	83N	18:47	295	19:10
2024	Jun	26	(Wed)	05:19	05:43	65	12:15	83N	18:47	295	19:11
2024	Jun	27	(Thu)	05:19	05:43	65	12:15	83N	18:47	295	19:11
2024	Jun	28	(Fri)	05:20	05:43	65	12:15	83N	18:47	294	19:11
2024	Jun	29	(Sat)	05:20	05:44	66	12:15	83N	18:47	294	19:11
2024	Jun	30	(Sun)	05:20	05:44	66	12:16	83N	18:47	294	19:11
2024	Jul	01	(Mon)	05:20	05:44	66	12:16	83N	18:47	294	19:11
2024	Jul	02	(Tue)	05:21	05:45	66	12:16	84N	18:47	294	19:11
2024	Jul	03	(Wed)	05:21	05:45	66	12:16	84N	18:48	294	19:11

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

2024	Sep	14	(Sat)	05:39	06:00	86	12:07	78S	18:14	273	18:36
2024	Sep	15	(Sun)	05:39	06:00	87	12:07	78S	18:13	273	18:35
2024	Sep	16	(Mon)	05:39	06:00	87	12:07	77S	18:13	273	18:34
2024	Sep	17	(Tue)	05:39	06:00	88	12:06	77S	18:12	272	18:33
2024	Sep	18	(Wed)	05:39	06:01	88	12:06	77S	18:11	272	18:33
2024	Sep	19	(Thu)	05:39	06:01	88	12:06	76S	18:10	271	18:32
2024	Sep	20	(Fri)	05:39	06:01	89	12:05	76S	18:10	271	18:31
2024	Sep	21	(Sat)	05:39	06:01	89	12:05	75S	18:09	271	18:30
2024	Sep	22	(Sun)	05:39	06:01	90	12:05	75S	18:08	270	18:29
2024	Sep	23	(Mon)	05:40	06:01	90	12:04	75S	18:07	270	18:29
2024	Sep	24	(Tue)	05:40	06:01	90	12:04	74S	18:06	269	18:28
2024	Sep	25	(Wed)	05:40	06:01	91	12:03	74S	18:06	269	18:27
2024	Sep	26	(Thu)	05:40	06:01	91	12:03	73S	18:05	269	18:26
2024	Sep	27	(Fri)	05:40	06:01	92	12:03	73S	18:04	268	18:25
2024	Sep	28	(Sat)	05:40	06:01	92	12:02	73S	18:03	268	18:25
2024	Sep	29	(Sun)	05:40	06:02	92	12:02	72S	18:02	267	18:24
2024	Sep	30	(Mon)	05:40	06:02	93	12:02	72S	18:02	267	18:23
2024	Oct	01	(Tue)	05:40	06:02	93	12:01	71S	18:01	267	18:22
2024	Oct	02	(Wed)	05:40	06:02	94	12:01	71S	18:00	266	18:22
2024	Oct	03	(Thu)	05:41	06:02	94	12:01	71S	17:59	266	18:21
2024	Oct	04	(Fri)	05:41	06:02	94	12:01	70S	17:59	265	18:20
2024	Oct	05	(Sat)	05:41	06:02	95	12:00	70S	17:58	265	18:19
2024	Oct	06	(Sun)	05:41	06:02	95	12:00	70S	17:57	265	18:19
2024	Oct	07	(Mon)	05:41	06:03	96	12:00	69S	17:56	264	18:18
2024	Oct	08	(Tue)	05:41	06:03	96	11:59	69S	17:56	264	18:17
2024	Oct	09	(Wed)	05:41	06:03	96	11:59	68S	17:55	263	18:17
2024	Oct	10	(Thu)	05:41	06:03	97	11:59	68S	17:54	263	18:16
2024	Oct	11	(Fri)	05:42	06:03	97	11:59	68S	17:54	263	18:15
2024	Oct	12	(Sat)	05:42	06:03	98	11:58	67S	17:53	262	18:15
2024	Oct	13	(Sun)	05:42	06:04	98	11:58	67S	17:52	262	18:14
2024	Oct	14	(Mon)	05:42	06:04	98	11:58	67S	17:52	261	18:13
2024	Oct	15	(Tue)	05:42	06:04	99	11:58	66S	17:51	261	18:13
2024	Oct	16	(Wed)	05:43	06:04	99	11:57	66S	17:50	261	18:12
2024	Oct	17	(Thu)	05:43	06:04	99	11:57	65S	17:50	260	18:11
2024	Oct	18	(Fri)	05:43	06:05	100	11:57	65S	17:49	260	18:11
2024	Oct	19	(Sat)	05:43	06:05	100	11:57	65S	17:49	260	18:10
2024	Oct	20	(Sun)	05:43	06:05	101	11:57	64S	17:48	259	18:10
2024	Oct	21	(Mon)	05:44	06:05	101	11:56	64S	17:47	259	18:09
2024	Oct	22	(Tue)	05:44	06:06	101	11:56	64S	17:47	258	18:09
2024	Oct	23	(Wed)	05:44	06:06	102	11:56	63S	17:46	258	18:08
2024	Oct	24	(Thu)	05:44	06:06	102	11:56	63S	17:46	258	18:08
2024	Oct	25	(Fri)	05:45	06:06	102	11:56	63S	17:45	257	18:07
2024	Oct	26	(Sat)	05:45	06:07	103	11:56	62S	17:45	257	18:07
2024	Oct	27	(Sun)	05:45	06:07	103	11:56	62S	17:44	257	18:06
2024	Oct	28	(Mon)	05:45	06:07	103	11:56	62S	17:44	256	18:06
2024	Oct	29	(Tue)	05:46	06:08	104	11:56	61S	17:43	256	18:05
2024	Oct	30	(Wed)	05:46	06:08	104	11:56	61S	17:43	256	18:05
2024	Oct	31	(Thu)	05:46	06:08	105	11:55	61S	17:42	255	18:05
2024	Nov	01	(Fri)	05:47	06:09	105	11:55	60S	17:42	255	18:04
2024	Nov	02	(Sat)	05:47	06:09	105	11:55	60S	17:42	255	18:04
2024	Nov	03	(Sun)	05:47	06:09	106	11:55	60S	17:41	254	18:03
2024	Nov	04	(Mon)	05:48	06:10	106	11:55	59S	17:41	254	18:03
2024	Nov	05	(Tue)	05:48	06:10	106	11:55	59S	17:41	254	18:03
2024	Nov	06	(Wed)	05:48	06:11	106	11:56	59S	17:40	253	18:03
2024	Nov	07	(Thu)	05:49	06:11	107	11:56	58S	17:40	253	18:02
2024	Nov	08	(Fri)	05:49	06:11	107	11:56	58S	17:40	253	18:02
2024	Nov	09	(Sat)	05:49	06:12	107	11:56	58S	17:39	252	18:02
2024	Nov	10	(Sun)	05:50	06:12	108	11:56	58S	17:39	252	18:02
2024	Nov	11	(Mon)	05:50	06:13	108	11:56	57S	17:39	252	18:01
2024	Nov	12	(Tue)	05:51	06:13	108	11:56	57S	17:39	252	18:01
2024	Nov	13	(Wed)	05:51	06:14	109	11:56	57S	17:39	251	18:01
2024	Nov	14	(Thu)	05:52	06:14	109	11:56	57S	17:38	251	18:01
2024	Nov	15	(Fri)	05:52	06:15	109	11:57	56S	17:38	251	18:01
2024	Nov	16	(Sat)	05:52	06:15	109	11:57	56S	17:38	251	18:01
2024	Nov	17	(Sun)	05:53	06:16	110	11:57	56S	17:38	250	18:01
2024	Nov	18	(Mon)	05:53	06:16	110	11:57	56S	17:38	250	18:01
2024	Nov	19	(Tue)	05:54	06:17	110	11:57	55S	17:38	250	18:01
2024	Nov	20	(Wed)	05:54	06:17	110	11:58	55S	17:38	250	18:01
2024	Nov	21	(Thu)	05:55	06:18	111	11:58	55S	17:38	249	18:01
2024	Nov	22	(Fri)	05:55	06:18	111	11:58	55S	17:38	249	18:01
2024	Nov	23	(Sat)	05:56	06:19	111	11:58	54S	17:38	249	18:01
2024	Nov	24	(Sun)	05:56	06:19	111	11:59	54S	17:38	249	18:01

2024	Nov	25	(Mon)	05:57	06:20	111	11:59	54S	17:38	249	18:01
2024	Nov	26	(Tue)	05:57	06:20	112	11:59	54S	17:38	248	18:01
2024	Nov	27	(Wed)	05:58	06:21	112	12:00	54S	17:38	248	18:01
2024	Nov	28	(Thu)	05:59	06:22	112	12:00	53S	17:38	248	18:01
2024	Nov	29	(Fri)	05:59	06:22	112	12:00	53S	17:38	248	18:01
2024	Nov	30	(Sat)	06:00	06:23	112	12:01	53S	17:38	248	18:02
2024	Dec	01	(Sun)	06:00	06:23	112	12:01	53S	17:39	247	18:02
2024	Dec	02	(Mon)	06:01	06:24	113	12:01	53S	17:39	247	18:02
2024	Dec	03	(Tue)	06:01	06:24	113	12:02	53S	17:39	247	18:02
2024	Dec	04	(Wed)	06:02	06:25	113	12:02	53S	17:39	247	18:02
2024	Dec	05	(Thu)	06:02	06:26	113	12:03	52S	17:40	247	18:03
2024	Dec	06	(Fri)	06:03	06:26	113	12:03	52S	17:40	247	18:03
2024	Dec	07	(Sat)	06:03	06:27	113	12:03	52S	17:40	247	18:03
2024	Dec	08	(Sun)	06:04	06:27	113	12:04	52S	17:40	247	18:04
2024	Dec	09	(Mon)	06:05	06:28	114	12:04	52S	17:41	246	18:04
2024	Dec	10	(Tue)	06:05	06:28	114	12:05	52S	17:41	246	18:04
2024	Dec	11	(Wed)	06:06	06:29	114	12:05	52S	17:41	246	18:05
2024	Dec	12	(Thu)	06:06	06:30	114	12:06	52S	17:42	246	18:05
2024	Dec	13	(Fri)	06:07	06:30	114	12:06	52S	17:42	246	18:05
2024	Dec	14	(Sat)	06:07	06:31	114	12:07	52S	17:43	246	18:06
2024	Dec	15	(Sun)	06:08	06:31	114	12:07	52S	17:43	246	18:06
2024	Dec	16	(Mon)	06:08	06:32	114	12:08	52S	17:43	246	18:07
2024	Dec	17	(Tue)	06:09	06:32	114	12:08	51S	17:44	246	18:07
2024	Dec	18	(Wed)	06:09	06:33	114	12:09	51S	17:44	246	18:08
2024	Dec	19	(Thu)	06:10	06:33	114	12:09	51S	17:45	246	18:08
2024	Dec	20	(Fri)	06:10	06:34	114	12:10	51S	17:45	246	18:09
2024	Dec	21	(Sat)	06:11	06:34	114	12:10	51S	17:46	246	18:09
2024	Dec	22	(Sun)	06:11	06:35	114	12:11	51S	17:46	246	18:10
2024	Dec	23	(Mon)	06:12	06:35	114	12:11	51S	17:47	246	18:10
2024	Dec	24	(Tue)	06:12	06:36	114	12:12	51S	17:47	246	18:11
2024	Dec	25	(Wed)	06:13	06:36	114	12:12	51S	17:48	246	18:11
2024	Dec	26	(Thu)	06:13	06:37	114	12:13	52S	17:48	246	18:12
2024	Dec	27	(Fri)	06:14	06:37	114	12:13	52S	17:49	246	18:12
2024	Dec	28	(Sat)	06:14	06:38	114	12:14	52S	17:49	246	18:13
2024	Dec	29	(Sun)	06:15	06:38	114	12:14	52S	17:50	246	18:13
2024	Dec	30	(Mon)	06:15	06:38	114	12:14	52S	17:51	246	18:14
2024	Dec	31	(Tue)	06:16	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	°
2024 Jan 01 (Mon)	22:23	80		04:03	88S		10:27	282	
2024 Jan 02 (Tue)	23:09	86		04:43	83S		11:00	277	
2024 Jan 03 (Wed)	23:55	92		05:22	77S		11:33	271	
2024 Jan 04 (Thu)				06:01	71S		12:05	265	
2024 Jan 05 (Fri)	00:41	98		06:42	65S		12:39	259	
2024 Jan 06 (Sat)	01:30	104		07:25	60S		13:16	253	
2024 Jan 07 (Sun)	02:23	109		08:11	55S		13:58	248	
2024 Jan 08 (Mon)	03:19	114		09:03	50S		14:45	244	
2024 Jan 09 (Tue)	04:20	118		10:00	47S		15:39	241	
2024 Jan 10 (Wed)	05:23	119		11:02	46S		16:40	241	
2024 Jan 11 (Thu)	06:26	119		12:06	47S		17:46	242	
2024 Jan 12 (Fri)	07:26	116		13:08	50S		18:53	245	
2024 Jan 13 (Sat)	08:20	112		14:08	54S		19:59	251	
2024 Jan 14 (Sun)	09:09	106		15:03	60S		21:01	257	
2024 Jan 15 (Mon)	09:53	99		15:55	67S		22:00	264	
2024 Jan 16 (Tue)	10:34	92		16:44	74S		22:57	272	
2024 Jan 17 (Wed)	11:14	85		17:31	81S		23:53	279	
2024 Jan 18 (Thu)	11:54	78		18:19	88S				
2024 Jan 19 (Fri)	12:36	72		19:09	88N		00:49	285	
2024 Jan 20 (Sat)	13:20	67		20:00	83N		01:45	291	
2024 Jan 21 (Sun)	14:09	63		20:54	80N		02:43	295	
2024 Jan 22 (Mon)	15:00	61		21:49	78N		03:42	298	
2024 Jan 23 (Tue)	15:55	61		22:44	78N		04:39	299	

2024	Jan	24	(Wed)	16:51	62	23:38	80N	05:33	299
2024	Jan	25	(Thu)	17:46	64			06:23	297
2024	Jan	26	(Fri)	18:39	68	00:28	83N	07:08	294
2024	Jan	27	(Sat)	19:29	73	01:15	87N	07:49	289
2024	Jan	28	(Sun)	20:17	78	01:59	90S	08:26	284
2024	Jan	29	(Mon)	21:04	84	02:40	85S	09:00	279
2024	Jan	30	(Tue)	21:49	90	03:20	79S	09:32	273
2024	Jan	31	(Wed)	22:35	96	03:58	73S	10:04	267
2024	Feb	01	(Thu)	23:22	102	04:38	67S	10:37	261
2024	Feb	02	(Fri)			05:19	62S	11:12	255
2024	Feb	03	(Sat)	00:12	108	06:03	56S	11:50	250
2024	Feb	04	(Sun)	01:05	112	06:51	52S	12:34	246
2024	Feb	05	(Mon)	02:02	116	07:44	48S	13:23	242
2024	Feb	06	(Tue)	03:03	119	08:42	46S	14:20	241
2024	Feb	07	(Wed)	04:05	120	09:44	46S	15:23	241
2024	Feb	08	(Thu)	05:07	118	10:47	48S	16:29	243
2024	Feb	09	(Fri)	06:04	115	11:49	52S	17:36	248
2024	Feb	10	(Sat)	06:56	109	12:47	57S	18:42	254
2024	Feb	11	(Sun)	07:44	103	13:42	64S	19:44	261
2024	Feb	12	(Mon)	08:28	95	14:34	71S	20:44	269
2024	Feb	13	(Tue)	09:10	88	15:24	79S	21:43	276
2024	Feb	14	(Wed)	09:51	80	16:14	86S	22:41	283
2024	Feb	15	(Thu)	10:33	74	17:04	89N	23:39	289
2024	Feb	16	(Fri)	11:18	68	17:56	84N		
2024	Feb	17	(Sat)	12:05	64	18:50	81N	00:38	294
2024	Feb	18	(Sun)	12:57	61	19:45	78N	01:37	298
2024	Feb	19	(Mon)	13:50	60	20:40	78N	02:35	299
2024	Feb	20	(Tue)	14:46	61	21:34	79N	03:30	299
2024	Feb	21	(Wed)	15:40	63	22:25	82N	04:20	298
2024	Feb	22	(Thu)	16:34	67	23:13	85N	05:07	295
2024	Feb	23	(Fri)	17:25	71	23:57	90N	05:48	291
2024	Feb	24	(Sat)	18:13	77			06:26	286
2024	Feb	25	(Sun)	19:00	82	00:39	86S	07:00	281
2024	Feb	26	(Mon)	19:46	88	01:19	81S	07:33	275
2024	Feb	27	(Tue)	20:32	94	01:57	75S	08:05	269
2024	Feb	28	(Wed)	21:18	100	02:36	69S	08:38	263
2024	Feb	29	(Thu)	22:07	106	03:16	63S	09:12	257
2024	Mar	01	(Fri)	22:58	111	03:59	58S	09:48	252
2024	Mar	02	(Sat)	23:52	115	04:44	53S	10:29	247
2024	Mar	03	(Sun)			05:34	49S	11:14	243
2024	Mar	04	(Mon)	00:50	118	06:29	47S	12:06	241
2024	Mar	05	(Tue)	01:50	120	07:27	46S	13:05	240
2024	Mar	06	(Wed)	02:50	119	08:28	47S	14:08	242
2024	Mar	07	(Thu)	03:47	117	09:29	49S	15:13	245
2024	Mar	08	(Fri)	04:41	112	10:28	54S	16:18	250
2024	Mar	09	(Sat)	05:30	106	11:24	60S	17:22	257
2024	Mar	10	(Sun)	06:16	99	12:18	67S	18:24	265
2024	Mar	11	(Mon)	06:59	92	13:10	75S	19:24	272
2024	Mar	12	(Tue)	07:42	84	14:01	83S	20:24	280
2024	Mar	13	(Wed)	08:25	77	14:53	89S	21:25	287
2024	Mar	14	(Thu)	09:10	70	15:46	86N	22:26	293
2024	Mar	15	(Fri)	09:58	65	16:41	82N	23:27	297
2024	Mar	16	(Sat)	10:50	62	17:38	79N		
2024	Mar	17	(Sun)	11:44	60	18:34	78N	00:27	299
2024	Mar	18	(Mon)	12:40	61	19:29	78N	01:25	300
2024	Mar	19	(Tue)	13:36	62	20:22	81N	02:17	299
2024	Mar	20	(Wed)	14:30	65	21:10	84N	03:05	296
2024	Mar	21	(Thu)	15:21	70	21:56	88N	03:48	292
2024	Mar	22	(Fri)	16:10	75	22:38	88S	04:27	288
2024	Mar	23	(Sat)	16:58	80	23:18	83S	05:02	282
2024	Mar	24	(Sun)	17:44	86	23:57	77S	05:35	277
2024	Mar	25	(Mon)	18:29	92			06:07	271
2024	Mar	26	(Tue)	19:16	98	00:36	71S	06:40	265
2024	Mar	27	(Wed)	20:03	104	01:16	65S	07:13	259
2024	Mar	28	(Thu)	20:54	109	01:57	60S	07:49	253
2024	Mar	29	(Fri)	21:47	114	02:42	55S	08:28	248
2024	Mar	30	(Sat)	22:43	117	03:30	50S	09:11	244
2024	Mar	31	(Sun)	23:41	119	04:22	47S	10:01	241
2024	Apr	01	(Mon)			05:18	46S	10:55	240
2024	Apr	02	(Tue)	00:40	120	06:17	46S	11:55	241
2024	Apr	03	(Wed)	01:36	118	07:16	48S	12:57	243
2024	Apr	04	(Thu)	02:30	115	08:14	52S	14:00	248

2024 Apr 05 (Fri)	03:19 109	09:09 57S	15:03 253
2024 Apr 06 (Sat)	04:05 103	10:02 64S	16:04 261
2024 Apr 07 (Sun)	04:48 96	10:54 71S	17:04 268
2024 Apr 08 (Mon)	05:30 88	11:45 79S	18:04 276
2024 Apr 09 (Tue)	06:13 80	12:37 86S	19:04 283
2024 Apr 10 (Wed)	06:58 73	13:30 89N	20:07 290
2024 Apr 11 (Thu)	07:46 68	14:26 84N	21:10 295
2024 Apr 12 (Fri)	08:38 63	15:24 80N	22:13 298
2024 Apr 13 (Sat)	09:33 61	16:23 78N	23:14 300
2024 Apr 14 (Sun)	10:30 60	17:20 78N	
2024 Apr 15 (Mon)	11:27 61	18:15 80N	00:10 299
2024 Apr 16 (Tue)	12:23 64	19:06 83N	01:01 297
2024 Apr 17 (Wed)	13:16 68	19:53 87N	01:46 294
2024 Apr 18 (Thu)	14:06 73	20:36 90S	02:26 289
2024 Apr 19 (Fri)	14:54 78	21:17 85S	03:02 284
2024 Apr 20 (Sat)	15:40 84	21:56 79S	03:36 279
2024 Apr 21 (Sun)	16:26 90	22:35 73S	04:09 273
2024 Apr 22 (Mon)	17:12 96	23:15 67S	04:41 267
2024 Apr 23 (Tue)	18:00 102	23:56 61S	05:14 261
2024 Apr 24 (Wed)	18:49 108		05:49 255
2024 Apr 25 (Thu)	19:42 113	00:40 56S	06:27 250
2024 Apr 26 (Fri)	20:38 116	01:27 52S	07:10 245
2024 Apr 27 (Sat)	21:36 119	02:19 48S	07:58 242
2024 Apr 28 (Sun)	22:34 120	03:14 46S	08:51 240
2024 Apr 29 (Mon)	23:31 119	04:11 46S	09:49 240
2024 Apr 30 (Tue)		05:10 47S	10:50 242
2024 May 01 (Wed)	00:25 116	06:07 50S	11:51 246
2024 May 02 (Thu)	01:14 111	07:01 55S	12:52 251
2024 May 03 (Fri)	01:59 106	07:53 61S	13:51 258
2024 May 04 (Sat)	02:42 99	08:44 68S	14:49 265
2024 May 05 (Sun)	03:23 91	09:33 75S	15:47 272
2024 May 06 (Mon)	04:04 84	10:23 82S	16:46 280
2024 May 07 (Tue)	04:47 77	11:15 89S	17:47 287
2024 May 08 (Wed)	05:33 70	12:09 86N	18:49 292
2024 May 09 (Thu)	06:23 65	13:07 82N	19:53 297
2024 May 10 (Fri)	07:17 62	14:06 79N	20:57 299
2024 May 11 (Sat)	08:15 60	15:06 78N	21:57 300
2024 May 12 (Sun)	09:14 61	16:03 79N	22:51 298
2024 May 13 (Mon)	10:12 63	16:57 81N	23:40 295
2024 May 14 (Tue)	11:07 67	17:47 85N	
2024 May 15 (Wed)	11:59 71	18:32 90N	00:23 291
2024 May 16 (Thu)	12:48 76	19:14 87S	01:01 286
2024 May 17 (Fri)	13:35 82	19:54 81S	01:36 281
2024 May 18 (Sat)	14:21 88	20:33 75S	02:09 275
2024 May 19 (Sun)	15:07 94	21:12 69S	02:41 269
2024 May 20 (Mon)	15:54 100	21:52 63S	03:13 263
2024 May 21 (Tue)	16:43 106	22:35 58S	03:48 257
2024 May 22 (Wed)	17:35 111	23:22 53S	04:25 252
2024 May 23 (Thu)	18:30 115		05:06 247
2024 May 24 (Fri)	19:28 118	00:12 49S	05:53 243
2024 May 25 (Sat)	20:28 120	01:07 47S	06:45 241
2024 May 26 (Sun)	21:26 119	02:05 46S	07:43 240
2024 May 27 (Mon)	22:21 117	03:04 47S	08:44 242
2024 May 28 (Tue)	23:12 113	04:02 49S	09:45 245
2024 May 29 (Wed)	23:58 107	04:58 54S	10:46 250
2024 May 30 (Thu)		05:50 59S	11:45 256
2024 May 31 (Fri)	00:40 101	06:39 66S	12:42 262
2024 Jun 01 (Sat)	01:21 94	07:28 73S	13:39 270
2024 Jun 02 (Sun)	02:00 87	08:16 80S	14:35 277
2024 Jun 03 (Mon)	02:41 80	09:05 87S	15:33 284
2024 Jun 04 (Tue)	03:24 73	09:57 89N	16:33 290
2024 Jun 05 (Wed)	04:12 67	10:52 83N	17:36 295
2024 Jun 06 (Thu)	05:03 63	11:50 80N	18:39 298
2024 Jun 07 (Fri)	06:00 61	12:50 78N	19:41 300
2024 Jun 08 (Sat)	06:59 61	13:49 78N	20:39 299
2024 Jun 09 (Sun)	07:58 62	14:45 80N	21:31 297
2024 Jun 10 (Mon)	08:55 65	15:38 83N	22:16 293
2024 Jun 11 (Tue)	09:50 69	16:25 88N	22:57 288
2024 Jun 12 (Wed)	10:41 74	17:09 89S	23:34 283
2024 Jun 13 (Thu)	11:29 80	17:50 83S	
2024 Jun 14 (Fri)	12:15 86	18:29 77S	00:07 277
2024 Jun 15 (Sat)	13:01 92	19:08 71S	00:40 271

2024 Jun 16 (Sun)	13:47 98	19:47 66S	01:12 265
2024 Jun 17 (Mon)	14:35 104	20:29 60S	01:45 259
2024 Jun 18 (Tue)	15:25 109	21:14 55S	02:21 254
2024 Jun 19 (Wed)	16:19 114	22:03 51S	03:00 249
2024 Jun 20 (Thu)	17:17 117	22:57 48S	03:45 245
2024 Jun 21 (Fri)	18:17 119	23:55 46S	04:36 242
2024 Jun 22 (Sat)	19:17 119		05:32 240
2024 Jun 23 (Sun)	20:14 118	00:55 46S	06:33 241
2024 Jun 24 (Mon)	21:08 114	01:54 48S	07:37 244
2024 Jun 25 (Tue)	21:56 109	02:52 52S	08:39 248
2024 Jun 26 (Wed)	22:40 103	03:46 57S	09:40 254
2024 Jun 27 (Thu)	23:21 96	04:37 64S	10:38 261
2024 Jun 28 (Fri)		05:26 71S	11:34 268
2024 Jun 29 (Sat)	00:00 89	06:13 78S	12:30 275
2024 Jun 30 (Sun)	00:40 82	07:01 85S	13:27 282
2024 Jul 01 (Mon)	01:22 75	07:51 90N	14:25 288
2024 Jul 02 (Tue)	02:06 69	08:44 85N	15:25 294
2024 Jul 03 (Wed)	02:55 65	09:40 81N	16:27 297
2024 Jul 04 (Thu)	03:49 62	10:38 79N	17:28 299
2024 Jul 05 (Fri)	04:46 60	11:37 78N	18:27 299
2024 Jul 06 (Sat)	05:45 61	12:34 79N	19:21 298
2024 Jul 07 (Sun)	06:43 64	13:28 82N	20:09 294
2024 Jul 08 (Mon)	07:39 67	14:17 86N	20:52 290
2024 Jul 09 (Tue)	08:32 72	15:03 91S	21:30 285
2024 Jul 10 (Wed)	09:21 78	15:45 85S	22:05 279
2024 Jul 11 (Thu)	10:08 84	16:25 79S	22:38 273
2024 Jul 12 (Fri)	10:54 90	17:04 74S	23:10 267
2024 Jul 13 (Sat)	11:40 96	17:43 68S	23:43 261
2024 Jul 14 (Sun)	12:26 102	18:23 62S	
2024 Jul 15 (Mon)	13:15 107	19:06 57S	00:17 256
2024 Jul 16 (Tue)	14:07 112	19:53 52S	00:54 251
2024 Jul 17 (Wed)	15:03 116	20:44 49S	01:36 246
2024 Jul 18 (Thu)	16:01 119	21:40 46S	02:24 243
2024 Jul 19 (Fri)	17:02 120	22:39 46S	03:18 241
2024 Jul 20 (Sat)	18:01 119	23:40 47S	04:17 240
2024 Jul 21 (Sun)	18:57 116		05:21 242
2024 Jul 22 (Mon)	19:49 111	00:40 50S	06:25 246
2024 Jul 23 (Tue)	20:36 105	01:37 55S	07:29 252
2024 Jul 24 (Wed)	21:19 98	02:31 62S	08:29 258
2024 Jul 25 (Thu)	22:00 91	03:21 68S	09:28 266
2024 Jul 26 (Fri)	22:40 83	04:10 76S	10:25 273
2024 Jul 27 (Sat)	23:21 77	04:59 83S	11:22 280
2024 Jul 28 (Sun)		05:48 89S	12:20 287
2024 Jul 29 (Mon)	00:05 71	06:40 86N	13:19 292
2024 Jul 30 (Tue)	00:52 66	07:34 82N	14:20 296
2024 Jul 31 (Wed)	01:43 62	08:31 79N	15:21 299
2024 Aug 01 (Thu)	02:39 60	09:29 78N	16:20 300
2024 Aug 02 (Fri)	03:36 61	10:26 79N	17:15 299
2024 Aug 03 (Sat)	04:34 63	11:21 81N	18:04 296
2024 Aug 04 (Sun)	05:31 66	12:11 84N	18:49 292
2024 Aug 05 (Mon)	06:24 70	12:58 89N	19:28 287
2024 Aug 06 (Tue)	07:15 76	13:41 87S	20:04 281
2024 Aug 07 (Wed)	08:03 81	14:22 81S	20:38 275
2024 Aug 08 (Thu)	08:49 87	15:01 76S	21:10 269
2024 Aug 09 (Fri)	09:34 94	15:40 70S	21:42 264
2024 Aug 10 (Sat)	10:20 99	16:19 64S	22:15 258
2024 Aug 11 (Sun)	11:08 105	17:01 59S	22:51 252
2024 Aug 12 (Mon)	11:58 110	17:45 54S	23:30 248
2024 Aug 13 (Tue)	12:51 115	18:33 50S	
2024 Aug 14 (Wed)	13:47 118	19:26 47S	00:14 244
2024 Aug 15 (Thu)	14:46 120	20:23 46S	01:04 241
2024 Aug 16 (Fri)	15:45 120	21:23 46S	02:00 240
2024 Aug 17 (Sat)	16:42 118	22:23 48S	03:01 241
2024 Aug 18 (Sun)	17:36 114	23:22 53S	04:05 244
2024 Aug 19 (Mon)	18:26 108		05:10 249
2024 Aug 20 (Tue)	19:11 101	00:18 58S	06:13 255
2024 Aug 21 (Wed)	19:54 94	01:11 65S	07:14 262
2024 Aug 22 (Thu)	20:36 86	02:02 73S	08:14 270
2024 Aug 23 (Fri)	21:18 79	02:52 80S	09:13 278
2024 Aug 24 (Sat)	22:02 72	03:43 87S	10:12 285
2024 Aug 25 (Sun)	22:49 67	04:35 88N	11:12 291
2024 Aug 26 (Mon)	23:39 63	05:30 83N	12:14 296

2024 Aug 27 (Tue)		06:26 80N	13:15 299
2024 Aug 28 (Wed)	00:34 61	07:24 78N	14:15 300
2024 Aug 29 (Thu)	01:31 60	08:21 78N	15:11 299
2024 Aug 30 (Fri)	02:29 62	09:16 80N	16:02 297
2024 Aug 31 (Sat)	03:25 65	10:08 83N	16:47 293
2024 Sep 01 (Sun)	04:19 69	10:55 87N	17:28 289
2024 Sep 02 (Mon)	05:10 74	11:39 89S	18:04 283
2024 Sep 03 (Tue)	05:59 79	12:20 83S	18:38 278
2024 Sep 04 (Wed)	06:45 85	13:00 78S	19:11 272
2024 Sep 05 (Thu)	07:31 91	13:38 72S	19:43 266
2024 Sep 06 (Fri)	08:16 98	14:17 66S	20:15 260
2024 Sep 07 (Sat)	09:03 103	14:58 60S	20:50 254
2024 Sep 08 (Sun)	09:52 109	15:41 55S	21:27 249
2024 Sep 09 (Mon)	10:43 113	16:27 51S	22:08 245
2024 Sep 10 (Tue)	11:37 117	17:17 48S	22:55 242
2024 Sep 11 (Wed)	12:33 119	18:10 46S	23:47 240
2024 Sep 12 (Thu)	13:31 120	19:07 46S	
2024 Sep 13 (Fri)	14:28 119	20:06 47S	00:45 240
2024 Sep 14 (Sat)	15:22 116	21:04 50S	01:46 242
2024 Sep 15 (Sun)	16:13 111	22:01 55S	02:49 246
2024 Sep 16 (Mon)	17:00 105	22:55 62S	03:52 252
2024 Sep 17 (Tue)	17:44 98	23:47 69S	04:54 258
2024 Sep 18 (Wed)	18:27 90		05:55 266
2024 Sep 19 (Thu)	19:09 82	00:39 77S	06:55 274
2024 Sep 20 (Fri)	19:54 75	01:31 84S	07:56 282
2024 Sep 21 (Sat)	20:41 69	02:24 90N	08:59 288
2024 Sep 22 (Sun)	21:32 64	03:20 85N	10:02 294
2024 Sep 23 (Mon)	22:27 61	04:18 80N	11:06 298
2024 Sep 24 (Tue)	23:25 60	05:17 78N	12:08 300
2024 Sep 25 (Wed)		06:16 78N	13:06 300
2024 Sep 26 (Thu)	00:23 61	07:12 79N	13:59 298
2024 Sep 27 (Fri)	01:21 63	08:05 82N	14:46 295
2024 Sep 28 (Sat)	02:15 67	08:53 86N	15:28 290
2024 Sep 29 (Sun)	03:07 72	09:38 91N	16:06 285
2024 Sep 30 (Mon)	03:56 78	10:20 85S	16:40 279
2024 Oct 01 (Tue)	04:43 83	10:59 80S	17:13 274
2024 Oct 02 (Wed)	05:28 89	11:38 74S	17:45 268
2024 Oct 03 (Thu)	06:14 96	12:17 68S	18:17 262
2024 Oct 04 (Fri)	07:00 101	12:57 62S	18:51 256
2024 Oct 05 (Sat)	07:48 107	13:39 57S	19:27 251
2024 Oct 06 (Sun)	08:38 112	14:24 52S	20:07 246
2024 Oct 07 (Mon)	09:31 116	15:12 49S	20:51 243
2024 Oct 08 (Tue)	10:26 119	16:04 46S	21:41 241
2024 Oct 09 (Wed)	11:22 120	16:59 46S	22:35 240
2024 Oct 10 (Thu)	12:18 120	17:55 46S	23:33 241
2024 Oct 11 (Fri)	13:12 117	18:52 49S	
2024 Oct 12 (Sat)	14:02 114	19:47 53S	00:34 244
2024 Oct 13 (Sun)	14:49 108	20:40 58S	01:35 249
2024 Oct 14 (Mon)	15:33 102	21:32 65S	02:35 255
2024 Oct 15 (Tue)	16:16 94	22:23 72S	03:35 262
2024 Oct 16 (Wed)	16:58 86	23:14 80S	04:34 270
2024 Oct 17 (Thu)	17:41 79		05:35 278
2024 Oct 18 (Fri)	18:28 72	00:07 87S	06:37 285
2024 Oct 19 (Sat)	19:19 66	01:03 87N	07:42 291
2024 Oct 20 (Sun)	20:14 62	02:01 82N	08:48 296
2024 Oct 21 (Mon)	21:13 60	03:03 79N	09:53 299
2024 Oct 22 (Tue)	22:13 60	04:04 78N	10:56 300
2024 Oct 23 (Wed)	23:13 62	05:04 78N	11:53 299
2024 Oct 24 (Thu)		05:59 81N	12:43 296
2024 Oct 25 (Fri)	00:09 66	06:50 84N	13:27 292
2024 Oct 26 (Sat)	01:03 70	07:36 89N	14:06 287
2024 Oct 27 (Sun)	01:53 76	08:19 87S	14:42 281
2024 Oct 28 (Mon)	02:40 81	08:59 81S	15:15 275
2024 Oct 29 (Tue)	03:26 87	09:38 76S	15:47 269
2024 Oct 30 (Wed)	04:11 94	10:17 70S	16:19 264
2024 Oct 31 (Thu)	04:57 100	10:56 64S	16:52 258
2024 Nov 01 (Fri)	05:45 105	11:37 59S	17:27 252
2024 Nov 02 (Sat)	06:34 110	12:22 54S	18:06 248
2024 Nov 03 (Sun)	07:27 115	13:09 50S	18:49 244
2024 Nov 04 (Mon)	08:21 118	14:00 47S	19:38 241
2024 Nov 05 (Tue)	09:17 120	14:54 46S	20:30 240
2024 Nov 06 (Wed)	10:13 120	15:50 46S	21:27 241

2024 Nov 07 (Thu)	11:07 118	16:46 48S	22:26 243
2024 Nov 08 (Fri)	11:57 115	17:40 51S	23:25 247
2024 Nov 09 (Sat)	12:43 110	18:32 56S	
2024 Nov 10 (Sun)	13:27 104	19:22 62S	00:24 252
2024 Nov 11 (Mon)	14:08 97	20:11 69S	01:21 259
2024 Nov 12 (Tue)	14:49 90	21:00 76S	02:18 266
2024 Nov 13 (Wed)	15:30 83	21:51 84S	03:16 274
2024 Nov 14 (Thu)	16:14 75	22:44 91S	04:16 281
2024 Nov 15 (Fri)	17:02 69	23:41 85N	05:18 288
2024 Nov 16 (Sat)	17:56 64		06:24 294
2024 Nov 17 (Sun)	18:54 61	00:42 81N	07:31 298
2024 Nov 18 (Mon)	19:56 60	01:45 78N	08:37 300
2024 Nov 19 (Tue)	20:58 62	02:47 78N	09:38 299
2024 Nov 20 (Wed)	21:58 64	03:47 80N	10:33 297
2024 Nov 21 (Thu)	22:54 69	04:41 83N	11:21 293
2024 Nov 22 (Fri)	23:46 74	05:30 87N	12:03 289
2024 Nov 23 (Sat)		06:15 89S	12:41 283
2024 Nov 24 (Sun)	00:35 80	06:57 83S	13:15 277
2024 Nov 25 (Mon)	01:22 85	07:36 78S	13:47 272
2024 Nov 26 (Tue)	02:07 92	08:15 72S	14:19 266
2024 Nov 27 (Wed)	02:53 97	08:54 66S	14:52 260
2024 Nov 28 (Thu)	03:40 103	09:35 60S	15:27 254
2024 Nov 29 (Fri)	04:29 109	10:18 55S	16:04 249
2024 Nov 30 (Sat)	05:20 113	11:04 51S	16:46 245
2024 Dec 01 (Sun)	06:15 117	11:55 48S	17:33 242
2024 Dec 02 (Mon)	07:11 119	12:49 46S	18:26 240
2024 Dec 03 (Tue)	08:08 120	13:45 46S	19:22 241
2024 Dec 04 (Wed)	09:03 119	14:41 47S	20:21 242
2024 Dec 05 (Thu)	09:55 116	15:36 50S	21:20 246
2024 Dec 06 (Fri)	10:42 112	16:29 55S	22:18 251
2024 Dec 07 (Sat)	11:26 106	17:19 60S	23:15 257
2024 Dec 08 (Sun)	12:06 100	18:07 67S	
2024 Dec 09 (Mon)	12:46 93	18:54 74S	00:11 264
2024 Dec 10 (Tue)	13:25 85	19:42 81S	01:06 271
2024 Dec 11 (Wed)	14:06 78	20:32 88S	02:03 278
2024 Dec 12 (Thu)	14:51 72	21:25 87N	03:02 285
2024 Dec 13 (Fri)	15:41 66	22:23 82N	04:04 291
2024 Dec 14 (Sat)	16:36 62	23:24 79N	05:09 296
2024 Dec 15 (Sun)	17:36 61		06:15 299
2024 Dec 16 (Mon)	18:38 61	00:27 78N	07:19 300
2024 Dec 17 (Tue)	19:41 63	01:29 79N	08:18 298
2024 Dec 18 (Wed)	20:40 67	02:27 81N	09:11 295
2024 Dec 19 (Thu)	21:35 72	03:20 85N	09:56 291
2024 Dec 20 (Fri)	22:27 77	04:08 90N	10:36 285
2024 Dec 21 (Sat)	23:15 83	04:51 86S	11:12 280
2024 Dec 22 (Sun)		05:32 80S	11:46 274
2024 Dec 23 (Mon)	00:01 89	06:11 74S	12:18 268
2024 Dec 24 (Tue)	00:47 95	06:50 68S	12:50 262
2024 Dec 25 (Wed)	01:33 101	07:30 62S	13:24 256
2024 Dec 26 (Thu)	02:21 107	08:12 57S	14:00 251
2024 Dec 27 (Fri)	03:11 112	08:57 53S	14:41 246
2024 Dec 28 (Sat)	04:05 116	09:46 49S	15:26 243
2024 Dec 29 (Sun)	05:01 118	10:39 47S	16:17 241
2024 Dec 30 (Mon)	05:58 120	11:35 46S	17:12 240
2024 Dec 31 (Tue)	06:55 119	12:33 47S	18:12 242