

Sun

Chai Nat

Location: E100°09'10.8", N15°10'55.2", 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)	05:55	06:45	114	12:23 52S	18:00	246	18:50
2024	Jan	02 (Tue)	05:56	06:46	114	12:23 53S	18:01	246	18:51
2024	Jan	03 (Wed)	05:56	06:46	114	12:24 53S	18:01	247	18:51
2024	Jan	04 (Thu)	05:56	06:46	113	12:24 53S	18:02	247	18:52
2024	Jan	05 (Fri)	05:57	06:47	113	12:24 53S	18:02	247	18:52
2024	Jan	06 (Sat)	05:57	06:47	113	12:25 53S	18:03	247	18:53
2024	Jan	07 (Sun)	05:57	06:47	113	12:25 53S	18:03	247	18:53
2024	Jan	08 (Mon)	05:58	06:48	113	12:26 53S	18:04	247	18:54
2024	Jan	09 (Tue)	05:58	06:48	113	12:26 53S	18:05	247	18:54
2024	Jan	10 (Wed)	05:58	06:48	113	12:27 53S	18:05	247	18:55
2024	Jan	11 (Thu)	05:59	06:48	113	12:27 54S	18:06	248	18:55
2024	Jan	12 (Fri)	05:59	06:48	112	12:27 54S	18:06	248	18:56
2024	Jan	13 (Sat)	05:59	06:49	112	12:28 54S	18:07	248	18:57
2024	Jan	14 (Sun)	05:59	06:49	112	12:28 54S	18:08	248	18:57
2024	Jan	15 (Mon)	06:00	06:49	112	12:29 54S	18:08	248	18:58
2024	Jan	16 (Tue)	06:00	06:49	112	12:29 54S	18:09	248	18:58
2024	Jan	17 (Wed)	06:00	06:49	111	12:29 55S	18:09	249	18:59
2024	Jan	18 (Thu)	06:00	06:49	111	12:30 55S	18:10	249	18:59
2024	Jan	19 (Fri)	06:00	06:49	111	12:30 55S	18:10	249	19:00
2024	Jan	20 (Sat)	06:00	06:49	111	12:30 55S	18:11	249	19:00
2024	Jan	21 (Sun)	06:00	06:49	111	12:30 56S	18:12	250	19:01
2024	Jan	22 (Mon)	06:01	06:49	110	12:31 56S	18:12	250	19:01
2024	Jan	23 (Tue)	06:01	06:49	110	12:31 56S	18:13	250	19:02
2024	Jan	24 (Wed)	06:01	06:49	110	12:31 56S	18:13	250	19:02
2024	Jan	25 (Thu)	06:01	06:49	110	12:32 56S	18:14	250	19:02
2024	Jan	26 (Fri)	06:01	06:49	109	12:32 57S	18:14	251	19:03
2024	Jan	27 (Sat)	06:01	06:49	109	12:32 57S	18:15	251	19:03
2024	Jan	28 (Sun)	06:01	06:49	109	12:32 57S	18:15	251	19:04
2024	Jan	29 (Mon)	06:01	06:49	109	12:32 57S	18:16	252	19:04
2024	Jan	30 (Tue)	06:01	06:49	108	12:33 58S	18:16	252	19:05
2024	Jan	31 (Wed)	06:00	06:49	108	12:33 58S	18:17	252	19:05
2024	Feb	01 (Thu)	06:00	06:49	108	12:33 58S	18:17	252	19:05
2024	Feb	02 (Fri)	06:00	06:48	107	12:33 59S	18:18	253	19:06
2024	Feb	03 (Sat)	06:00	06:48	107	12:33 59S	18:18	253	19:06
2024	Feb	04 (Sun)	06:00	06:48	107	12:33 59S	18:19	253	19:07
2024	Feb	05 (Mon)	06:00	06:48	107	12:33 59S	18:19	254	19:07
2024	Feb	06 (Tue)	06:00	06:47	106	12:33 60S	18:19	254	19:07
2024	Feb	07 (Wed)	05:59	06:47	106	12:33 60S	18:20	254	19:08
2024	Feb	08 (Thu)	05:59	06:47	106	12:33 60S	18:20	255	19:08
2024	Feb	09 (Fri)	05:59	06:47	105	12:34 61S	18:21	255	19:08
2024	Feb	10 (Sat)	05:59	06:46	105	12:34 61S	18:21	255	19:09
2024	Feb	11 (Sun)	05:58	06:46	105	12:34 61S	18:22	256	19:09
2024	Feb	12 (Mon)	05:58	06:45	104	12:34 62S	18:22	256	19:09
2024	Feb	13 (Tue)	05:58	06:45	104	12:34 62S	18:22	256	19:10
2024	Feb	14 (Wed)	05:57	06:45	104	12:34 62S	18:23	257	19:10
2024	Feb	15 (Thu)	05:57	06:44	103	12:34 63S	18:23	257	19:10
2024	Feb	16 (Fri)	05:57	06:44	103	12:33 63S	18:23	257	19:10
2024	Feb	17 (Sat)	05:56	06:43	102	12:33 63S	18:24	258	19:11
2024	Feb	18 (Sun)	05:56	06:43	102	12:33 64S	18:24	258	19:11
2024	Feb	19 (Mon)	05:55	06:42	102	12:33 64S	18:24	258	19:11
2024	Feb	20 (Tue)	05:55	06:42	101	12:33 64S	18:25	259	19:12
2024	Feb	21 (Wed)	05:55	06:41	101	12:33 65S	18:25	259	19:12
2024	Feb	22 (Thu)	05:54	06:41	101	12:33 65S	18:25	260	19:12
2024	Feb	23 (Fri)	05:54	06:40	100	12:33 66S	18:25	260	19:12
2024	Feb	24 (Sat)	05:53	06:40	100	12:33 66S	18:26	260	19:12
2024	Feb	25 (Sun)	05:53	06:39	99	12:33 66S	18:26	261	19:13
2024	Feb	26 (Mon)	05:52	06:39	99	12:32 67S	18:26	261	19:13
2024	Feb	27 (Tue)	05:52	06:38	99	12:32 67S	18:26	261	19:13
2024	Feb	28 (Wed)	05:51	06:38	98	12:32 67S	18:27	262	19:13
2024	Feb	29 (Thu)	05:50	06:37	98	12:32 68S	18:27	262	19:13

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

2024	May	12	(Sun)	05:02	05:52	71	12:16	88N	18:40	289	19:30
2024	May	13	(Mon)	05:02	05:51	71	12:16	87N	18:40	290	19:30
2024	May	14	(Tue)	05:01	05:51	70	12:16	87N	18:41	290	19:30
2024	May	15	(Wed)	05:01	05:51	70	12:16	87N	18:41	290	19:31
2024	May	16	(Thu)	05:01	05:50	70	12:16	87N	18:41	290	19:31
2024	May	17	(Fri)	05:00	05:50	70	12:16	86N	18:42	290	19:32
2024	May	18	(Sat)	05:00	05:50	69	12:16	86N	18:42	291	19:32
2024	May	19	(Sun)	05:00	05:50	69	12:16	86N	18:42	291	19:32
2024	May	20	(Mon)	04:59	05:50	69	12:16	86N	18:42	291	19:33
2024	May	21	(Tue)	04:59	05:49	69	12:16	86N	18:43	291	19:33
2024	May	22	(Wed)	04:59	05:49	69	12:16	85N	18:43	292	19:34
2024	May	23	(Thu)	04:59	05:49	68	12:16	85N	18:43	292	19:34
2024	May	24	(Fri)	04:58	05:49	68	12:16	85N	18:44	292	19:34
2024	May	25	(Sat)	04:58	05:49	68	12:16	85N	18:44	292	19:35
2024	May	26	(Sun)	04:58	05:49	68	12:16	85N	18:44	292	19:35
2024	May	27	(Mon)	04:58	05:49	68	12:17	85N	18:45	292	19:36
2024	May	28	(Tue)	04:58	05:48	67	12:17	84N	18:45	293	19:36
2024	May	29	(Wed)	04:57	05:48	67	12:17	84N	18:45	293	19:36
2024	May	30	(Thu)	04:57	05:48	67	12:17	84N	18:46	293	19:37
2024	May	31	(Fri)	04:57	05:48	67	12:17	84N	18:46	293	19:37
2024	Jun	01	(Sat)	04:57	05:48	67	12:17	84N	18:46	293	19:38
2024	Jun	02	(Sun)	04:57	05:48	67	12:17	84N	18:47	293	19:38
2024	Jun	03	(Mon)	04:57	05:48	67	12:18	84N	18:47	294	19:38
2024	Jun	04	(Tue)	04:57	05:48	66	12:18	83N	18:47	294	19:39
2024	Jun	05	(Wed)	04:57	05:48	66	12:18	83N	18:48	294	19:39
2024	Jun	06	(Thu)	04:57	05:48	66	12:18	83N	18:48	294	19:39
2024	Jun	07	(Fri)	04:57	05:48	66	12:18	83N	18:48	294	19:40
2024	Jun	08	(Sat)	04:57	05:48	66	12:19	83N	18:49	294	19:40
2024	Jun	09	(Sun)	04:57	05:49	66	12:19	83N	18:49	294	19:41
2024	Jun	10	(Mon)	04:57	05:49	66	12:19	83N	18:49	294	19:41
2024	Jun	11	(Tue)	04:57	05:49	66	12:19	83N	18:50	294	19:41
2024	Jun	12	(Wed)	04:57	05:49	66	12:19	83N	18:50	294	19:42
2024	Jun	13	(Thu)	04:57	05:49	66	12:20	83N	18:50	294	19:42
2024	Jun	14	(Fri)	04:57	05:49	66	12:20	83N	18:50	294	19:42
2024	Jun	15	(Sat)	04:58	05:49	66	12:20	83N	18:51	294	19:42
2024	Jun	16	(Sun)	04:58	05:49	65	12:20	83N	18:51	295	19:43
2024	Jun	17	(Mon)	04:58	05:50	65	12:20	82N	18:51	295	19:43
2024	Jun	18	(Tue)	04:58	05:50	65	12:21	82N	18:51	295	19:43
2024	Jun	19	(Wed)	04:58	05:50	65	12:21	82N	18:52	295	19:43
2024	Jun	20	(Thu)	04:58	05:50	65	12:21	82N	18:52	295	19:44
2024	Jun	21	(Fri)	04:59	05:50	65	12:21	82N	18:52	295	19:44
2024	Jun	22	(Sat)	04:59	05:51	65	12:21	82N	18:52	295	19:44
2024	Jun	23	(Sun)	04:59	05:51	65	12:22	82N	18:53	295	19:44
2024	Jun	24	(Mon)	04:59	05:51	65	12:22	82N	18:53	295	19:44
2024	Jun	25	(Tue)	05:00	05:51	65	12:22	83N	18:53	295	19:45
2024	Jun	26	(Wed)	05:00	05:52	66	12:22	83N	18:53	294	19:45
2024	Jun	27	(Thu)	05:00	05:52	66	12:23	83N	18:53	294	19:45
2024	Jun	28	(Fri)	05:00	05:52	66	12:23	83N	18:53	294	19:45
2024	Jun	29	(Sat)	05:01	05:52	66	12:23	83N	18:53	294	19:45
2024	Jun	30	(Sun)	05:01	05:53	66	12:23	83N	18:54	294	19:45
2024	Jul	01	(Mon)	05:01	05:53	66	12:23	83N	18:54	294	19:45
2024	Jul	02	(Tue)	05:02	05:53	66	12:24	83N	18:54	294	19:45
2024	Jul	03	(Wed)	05:02	05:54	66	12:24	83N	18:54	294	19:45
2024	Jul	04	(Thu)	05:02	05:54	66	12:24	83N	18:54	294	19:45
2024	Jul	05	(Fri)	05:03	05:54	66	12:24	83N	18:54	294	19:45
2024	Jul	06	(Sat)	05:03	05:54	66	12:24	83N	18:54	294	19:45
2024	Jul	07	(Sun)	05:03	05:55	66	12:24	83N	18:54	294	19:45
2024	Jul	08	(Mon)	05:04	05:55	66	12:25	83N	18:54	293	19:45
2024	Jul	09	(Tue)	05:04	05:55	67	12:25	84N	18:54	293	19:45
2024	Jul	10	(Wed)	05:04	05:56	67	12:25	84N	18:54	293	19:45
2024	Jul	11	(Thu)	05:05	05:56	67	12:25	84N	18:54	293	19:45
2024	Jul	12	(Fri)	05:05	05:56	67	12:25	84N	18:54	293	19:45
2024	Jul	13	(Sat)	05:06	05:57	67	12:25	84N	18:54	293	19:45
2024	Jul	14	(Sun)	05:06	05:57	67	12:25	84N	18:54	293	19:45
2024	Jul	15	(Mon)	05:06	05:57	67	12:25	84N	18:54	292	19:44
2024	Jul	16	(Tue)	05:07	05:57	68	12:26	85N	18:53	292	19:44
2024	Jul	17	(Wed)	05:07	05:58	68	12:26	85N	18:53	292	19:44
2024	Jul	18	(Thu)	05:07	05:58	68	12:26	85N	18:53	292	19:44
2024	Jul	19	(Fri)	05:08	05:58	68	12:26	85N	18:53	292	19:44
2024	Jul	20	(Sat)	05:08	05:59	68	12:26	85N	18:53	292	19:43
2024	Jul	21	(Sun)	05:09	05:59	69	12:26	86N	18:53	291	19:43
2024	Jul	22	(Mon)	05:09	05:59	69	12:26	86N	18:52	291	19:43

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

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

2024	Dec	14	(Sat)	05:47	06:37	114	12:14	52S	17:51	246	18:41
2024	Dec	15	(Sun)	05:47	06:38	114	12:15	52S	17:52	246	18:42
2024	Dec	16	(Mon)	05:48	06:38	114	12:15	52S	17:52	246	18:42
2024	Dec	17	(Tue)	05:48	06:39	114	12:16	52S	17:53	246	18:43
2024	Dec	18	(Wed)	05:49	06:39	114	12:16	52S	17:53	246	18:43
2024	Dec	19	(Thu)	05:50	06:40	114	12:17	52S	17:53	246	18:44
2024	Dec	20	(Fri)	05:50	06:40	114	12:17	52S	17:54	246	18:44
2024	Dec	21	(Sat)	05:51	06:41	114	12:18	52S	17:54	246	18:45
2024	Dec	22	(Sun)	05:51	06:41	114	12:18	52S	17:55	246	18:45
2024	Dec	23	(Mon)	05:52	06:42	114	12:19	52S	17:55	246	18:46
2024	Dec	24	(Tue)	05:52	06:42	114	12:19	52S	17:56	246	18:46
2024	Dec	25	(Wed)	05:52	06:43	114	12:20	52S	17:57	246	18:47
2024	Dec	26	(Thu)	05:53	06:43	114	12:20	52S	17:57	246	18:47
2024	Dec	27	(Fri)	05:53	06:43	114	12:21	52S	17:58	246	18:48
2024	Dec	28	(Sat)	05:54	06:44	114	12:21	52S	17:58	246	18:48
2024	Dec	29	(Sun)	05:54	06:44	114	12:22	52S	17:59	246	18:49
2024	Dec	30	(Mon)	05:55	06:45	114	12:22	52S	17:59	246	18:49
2024	Dec	31	(Tue)	05:55	06:45	114	12:22	52S	18:00	246	18:50

Sun

Chai Nat

Location: E100°09'10.8", N15°10'55.2", 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)	06:22	06:45	114	12:23	52S	18:00	246	18:23
2024	Jan	02	(Tue)	06:22	06:46	114	12:23	53S	18:01	246	18:24
2024	Jan	03	(Wed)	06:23	06:46	114	12:24	53S	18:01	247	18:24
2024	Jan	04	(Thu)	06:23	06:46	113	12:24	53S	18:02	247	18:25
2024	Jan	05	(Fri)	06:23	06:47	113	12:24	53S	18:02	247	18:25
2024	Jan	06	(Sat)	06:24	06:47	113	12:25	53S	18:03	247	18:26
2024	Jan	07	(Sun)	06:24	06:47	113	12:25	53S	18:03	247	18:27
2024	Jan	08	(Mon)	06:24	06:48	113	12:26	53S	18:04	247	18:27
2024	Jan	09	(Tue)	06:25	06:48	113	12:26	53S	18:05	247	18:28
2024	Jan	10	(Wed)	06:25	06:48	113	12:27	53S	18:05	247	18:28
2024	Jan	11	(Thu)	06:25	06:48	113	12:27	54S	18:06	248	18:29
2024	Jan	12	(Fri)	06:25	06:48	112	12:27	54S	18:06	248	18:29
2024	Jan	13	(Sat)	06:26	06:49	112	12:28	54S	18:07	248	18:30
2024	Jan	14	(Sun)	06:26	06:49	112	12:28	54S	18:08	248	18:31
2024	Jan	15	(Mon)	06:26	06:49	112	12:29	54S	18:08	248	18:31
2024	Jan	16	(Tue)	06:26	06:49	112	12:29	54S	18:09	248	18:32
2024	Jan	17	(Wed)	06:26	06:49	111	12:29	55S	18:09	249	18:32
2024	Jan	18	(Thu)	06:26	06:49	111	12:30	55S	18:10	249	18:33
2024	Jan	19	(Fri)	06:27	06:49	111	12:30	55S	18:10	249	18:33
2024	Jan	20	(Sat)	06:27	06:49	111	12:30	55S	18:11	249	18:34
2024	Jan	21	(Sun)	06:27	06:49	111	12:30	56S	18:12	250	18:34
2024	Jan	22	(Mon)	06:27	06:49	110	12:31	56S	18:12	250	18:35
2024	Jan	23	(Tue)	06:27	06:49	110	12:31	56S	18:13	250	18:35
2024	Jan	24	(Wed)	06:27	06:49	110	12:31	56S	18:13	250	18:36
2024	Jan	25	(Thu)	06:27	06:49	110	12:32	56S	18:14	250	18:36
2024	Jan	26	(Fri)	06:27	06:49	109	12:32	57S	18:14	251	18:37
2024	Jan	27	(Sat)	06:27	06:49	109	12:32	57S	18:15	251	18:37
2024	Jan	28	(Sun)	06:27	06:49	109	12:32	57S	18:15	251	18:38
2024	Jan	29	(Mon)	06:27	06:49	109	12:32	57S	18:16	252	18:38
2024	Jan	30	(Tue)	06:26	06:49	108	12:33	58S	18:16	252	18:39
2024	Jan	31	(Wed)	06:26	06:49	108	12:33	58S	18:17	252	18:39
2024	Feb	01	(Thu)	06:26	06:49	108	12:33	58S	18:17	252	18:40
2024	Feb	02	(Fri)	06:26	06:48	107	12:33	59S	18:18	253	18:40
2024	Feb	03	(Sat)	06:26	06:48	107	12:33	59S	18:18	253	18:40
2024	Feb	04	(Sun)	06:26	06:48	107	12:33	59S	18:19	253	18:41
2024	Feb	05	(Mon)	06:25	06:48	107	12:33	59S	18:19	254	18:41
2024	Feb	06	(Tue)	06:25	06:47	106	12:33	60S	18:19	254	18:42
2024	Feb	07	(Wed)	06:25	06:47	106	12:33	60S	18:20	254	18:42
2024	Feb	08	(Thu)	06:25	06:47	106	12:33	60S	18:20	255	18:42
2024	Feb	09	(Fri)	06:24	06:47	105	12:34	61S	18:21	255	18:43
2024	Feb	10	(Sat)	06:24	06:46	105	12:34	61S	18:21	255	18:43

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

2024	Apr	23	(Tue)	05:38	06:00	77	12:18	88S	18:35	283	18:57
2024	Apr	24	(Wed)	05:38	06:00	76	12:17	89S	18:35	284	18:58
2024	Apr	25	(Thu)	05:37	05:59	76	12:17	89S	18:36	284	18:58
2024	Apr	26	(Fri)	05:36	05:59	76	12:17	89S	18:36	285	18:58
2024	Apr	27	(Sat)	05:36	05:58	75	12:17	90S	18:36	285	18:58
2024	Apr	28	(Sun)	05:35	05:58	75	12:17	90S	18:36	285	18:59
2024	Apr	29	(Mon)	05:35	05:57	75	12:17	90S	18:37	285	18:59
2024	Apr	30	(Tue)	05:34	05:57	74	12:17	90S	18:37	286	18:59
2024	May	01	(Wed)	05:34	05:56	74	12:16	91N	18:37	286	18:59
2024	May	02	(Thu)	05:33	05:56	74	12:16	90N	18:37	286	19:00
2024	May	03	(Fri)	05:33	05:55	73	12:16	90N	18:38	287	19:00
2024	May	04	(Sat)	05:32	05:55	73	12:16	90N	18:38	287	19:00
2024	May	05	(Sun)	05:32	05:54	73	12:16	89N	18:38	287	19:01
2024	May	06	(Mon)	05:31	05:54	73	12:16	89N	18:38	288	19:01
2024	May	07	(Tue)	05:31	05:53	72	12:16	89N	18:39	288	19:01
2024	May	08	(Wed)	05:30	05:53	72	12:16	89N	18:39	288	19:02
2024	May	09	(Thu)	05:30	05:53	72	12:16	88N	18:39	288	19:02
2024	May	10	(Fri)	05:30	05:52	71	12:16	88N	18:39	289	19:02
2024	May	11	(Sat)	05:29	05:52	71	12:16	88N	18:40	289	19:02
2024	May	12	(Sun)	05:29	05:52	71	12:16	88N	18:40	289	19:03
2024	May	13	(Mon)	05:29	05:51	71	12:16	87N	18:40	290	19:03
2024	May	14	(Tue)	05:28	05:51	70	12:16	87N	18:41	290	19:03
2024	May	15	(Wed)	05:28	05:51	70	12:16	87N	18:41	290	19:04
2024	May	16	(Thu)	05:28	05:50	70	12:16	87N	18:41	290	19:04
2024	May	17	(Fri)	05:27	05:50	70	12:16	86N	18:42	290	19:05
2024	May	18	(Sat)	05:27	05:50	69	12:16	86N	18:42	291	19:05
2024	May	19	(Sun)	05:27	05:50	69	12:16	86N	18:42	291	19:05
2024	May	20	(Mon)	05:26	05:50	69	12:16	86N	18:42	291	19:06
2024	May	21	(Tue)	05:26	05:49	69	12:16	86N	18:43	291	19:06
2024	May	22	(Wed)	05:26	05:49	69	12:16	85N	18:43	292	19:06
2024	May	23	(Thu)	05:26	05:49	68	12:16	85N	18:43	292	19:07
2024	May	24	(Fri)	05:26	05:49	68	12:16	85N	18:44	292	19:07
2024	May	25	(Sat)	05:25	05:49	68	12:16	85N	18:44	292	19:07
2024	May	26	(Sun)	05:25	05:49	68	12:16	85N	18:44	292	19:08
2024	May	27	(Mon)	05:25	05:49	68	12:17	85N	18:45	292	19:08
2024	May	28	(Tue)	05:25	05:48	67	12:17	84N	18:45	293	19:08
2024	May	29	(Wed)	05:25	05:48	67	12:17	84N	18:45	293	19:09
2024	May	30	(Thu)	05:25	05:48	67	12:17	84N	18:46	293	19:09
2024	May	31	(Fri)	05:25	05:48	67	12:17	84N	18:46	293	19:10
2024	Jun	01	(Sat)	05:25	05:48	67	12:17	84N	18:46	293	19:10
2024	Jun	02	(Sun)	05:25	05:48	67	12:17	84N	18:47	293	19:10
2024	Jun	03	(Mon)	05:25	05:48	67	12:18	84N	18:47	294	19:11
2024	Jun	04	(Tue)	05:25	05:48	66	12:18	83N	18:47	294	19:11
2024	Jun	05	(Wed)	05:25	05:48	66	12:18	83N	18:48	294	19:11
2024	Jun	06	(Thu)	05:25	05:48	66	12:18	83N	18:48	294	19:12
2024	Jun	07	(Fri)	05:25	05:48	66	12:18	83N	18:48	294	19:12
2024	Jun	08	(Sat)	05:25	05:48	66	12:19	83N	18:49	294	19:12
2024	Jun	09	(Sun)	05:25	05:49	66	12:19	83N	18:49	294	19:13
2024	Jun	10	(Mon)	05:25	05:49	66	12:19	83N	18:49	294	19:13
2024	Jun	11	(Tue)	05:25	05:49	66	12:19	83N	18:50	294	19:13
2024	Jun	12	(Wed)	05:25	05:49	66	12:19	83N	18:50	294	19:14
2024	Jun	13	(Thu)	05:25	05:49	66	12:20	83N	18:50	294	19:14
2024	Jun	14	(Fri)	05:25	05:49	66	12:20	83N	18:50	294	19:14
2024	Jun	15	(Sat)	05:26	05:49	66	12:20	83N	18:51	294	19:14
2024	Jun	16	(Sun)	05:26	05:49	65	12:20	83N	18:51	295	19:15
2024	Jun	17	(Mon)	05:26	05:50	65	12:20	82N	18:51	295	19:15
2024	Jun	18	(Tue)	05:26	05:50	65	12:21	82N	18:51	295	19:15
2024	Jun	19	(Wed)	05:26	05:50	65	12:21	82N	18:52	295	19:15
2024	Jun	20	(Thu)	05:26	05:50	65	12:21	82N	18:52	295	19:16
2024	Jun	21	(Fri)	05:27	05:50	65	12:21	82N	18:52	295	19:16
2024	Jun	22	(Sat)	05:27	05:51	65	12:21	82N	18:52	295	19:16
2024	Jun	23	(Sun)	05:27	05:51	65	12:22	82N	18:53	295	19:16
2024	Jun	24	(Mon)	05:27	05:51	65	12:22	82N	18:53	295	19:16
2024	Jun	25	(Tue)	05:28	05:51	65	12:22	83N	18:53	295	19:17
2024	Jun	26	(Wed)	05:28	05:52	66	12:22	83N	18:53	294	19:17
2024	Jun	27	(Thu)	05:28	05:52	66	12:23	83N	18:53	294	19:17
2024	Jun	28	(Fri)	05:28	05:52	66	12:23	83N	18:53	294	19:17
2024	Jun	29	(Sat)	05:29	05:52	66	12:23	83N	18:53	294	19:17
2024	Jun	30	(Sun)	05:29	05:53	66	12:23	83N	18:54	294	19:17
2024	Jul	01	(Mon)	05:29	05:53	66	12:23	83N	18:54	294	19:17
2024	Jul	02	(Tue)	05:30	05:53	66	12:24	83N	18:54	294	19:17
2024	Jul	03	(Wed)	05:30	05:54	66	12:24	83N	18:54	294	19:17

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

2024	Sep	14	(Sat)	05:46	06:08	86	12:15	79S	18:22	273	18:43
2024	Sep	15	(Sun)	05:47	06:08	87	12:15	78S	18:21	273	18:42
2024	Sep	16	(Mon)	05:47	06:08	87	12:14	78S	18:20	273	18:42
2024	Sep	17	(Tue)	05:47	06:08	88	12:14	78S	18:19	272	18:41
2024	Sep	18	(Wed)	05:47	06:08	88	12:13	77S	18:19	272	18:40
2024	Sep	19	(Thu)	05:47	06:08	88	12:13	77S	18:18	271	18:39
2024	Sep	20	(Fri)	05:47	06:08	89	12:13	76S	18:17	271	18:38
2024	Sep	21	(Sat)	05:47	06:08	89	12:12	76S	18:16	271	18:38
2024	Sep	22	(Sun)	05:47	06:08	90	12:12	76S	18:15	270	18:37
2024	Sep	23	(Mon)	05:47	06:09	90	12:12	75S	18:15	270	18:36
2024	Sep	24	(Tue)	05:47	06:09	90	12:11	75S	18:14	269	18:35
2024	Sep	25	(Wed)	05:47	06:09	91	12:11	74S	18:13	269	18:34
2024	Sep	26	(Thu)	05:47	06:09	91	12:11	74S	18:12	269	18:34
2024	Sep	27	(Fri)	05:47	06:09	92	12:10	74S	18:12	268	18:33
2024	Sep	28	(Sat)	05:47	06:09	92	12:10	73S	18:11	268	18:32
2024	Sep	29	(Sun)	05:48	06:09	92	12:10	73S	18:10	267	18:31
2024	Sep	30	(Mon)	05:48	06:09	93	12:09	73S	18:09	267	18:31
2024	Oct	01	(Tue)	05:48	06:09	93	12:09	72S	18:09	267	18:30
2024	Oct	02	(Wed)	05:48	06:09	94	12:09	72S	18:08	266	18:29
2024	Oct	03	(Thu)	05:48	06:09	94	12:08	71S	18:07	266	18:29
2024	Oct	04	(Fri)	05:48	06:09	94	12:08	71S	18:06	265	18:28
2024	Oct	05	(Sat)	05:48	06:10	95	12:08	71S	18:06	265	18:27
2024	Oct	06	(Sun)	05:48	06:10	95	12:07	70S	18:05	265	18:26
2024	Oct	07	(Mon)	05:48	06:10	96	12:07	70S	18:04	264	18:26
2024	Oct	08	(Tue)	05:48	06:10	96	12:07	69S	18:04	264	18:25
2024	Oct	09	(Wed)	05:49	06:10	96	12:07	69S	18:03	263	18:24
2024	Oct	10	(Thu)	05:49	06:10	97	12:06	69S	18:02	263	18:24
2024	Oct	11	(Fri)	05:49	06:10	97	12:06	68S	18:02	263	18:23
2024	Oct	12	(Sat)	05:49	06:11	98	12:06	68S	18:01	262	18:22
2024	Oct	13	(Sun)	05:49	06:11	98	12:06	68S	18:00	262	18:22
2024	Oct	14	(Mon)	05:49	06:11	98	12:05	67S	18:00	262	18:21
2024	Oct	15	(Tue)	05:49	06:11	99	12:05	67S	17:59	261	18:21
2024	Oct	16	(Wed)	05:50	06:11	99	12:05	66S	17:58	261	18:20
2024	Oct	17	(Thu)	05:50	06:11	99	12:05	66S	17:58	260	18:19
2024	Oct	18	(Fri)	05:50	06:12	100	12:04	66S	17:57	260	18:19
2024	Oct	19	(Sat)	05:50	06:12	100	12:04	65S	17:57	260	18:18
2024	Oct	20	(Sun)	05:50	06:12	101	12:04	65S	17:56	259	18:18
2024	Oct	21	(Mon)	05:51	06:12	101	12:04	65S	17:55	259	18:17
2024	Oct	22	(Tue)	05:51	06:13	101	12:04	64S	17:55	259	18:17
2024	Oct	23	(Wed)	05:51	06:13	102	12:04	64S	17:54	258	18:16
2024	Oct	24	(Thu)	05:51	06:13	102	12:04	64S	17:54	258	18:16
2024	Oct	25	(Fri)	05:51	06:13	102	12:03	63S	17:53	257	18:15
2024	Oct	26	(Sat)	05:52	06:14	103	12:03	63S	17:53	257	18:15
2024	Oct	27	(Sun)	05:52	06:14	103	12:03	63S	17:52	257	18:14
2024	Oct	28	(Mon)	05:52	06:14	103	12:03	62S	17:52	256	18:14
2024	Oct	29	(Tue)	05:53	06:15	104	12:03	62S	17:51	256	18:13
2024	Oct	30	(Wed)	05:53	06:15	104	12:03	62S	17:51	256	18:13
2024	Oct	31	(Thu)	05:53	06:15	104	12:03	61S	17:51	255	18:13
2024	Nov	01	(Fri)	05:53	06:15	105	12:03	61S	17:50	255	18:12
2024	Nov	02	(Sat)	05:54	06:16	105	12:03	61S	17:50	255	18:12
2024	Nov	03	(Sun)	05:54	06:16	105	12:03	60S	17:50	254	18:12
2024	Nov	04	(Mon)	05:54	06:17	106	12:03	60S	17:49	254	18:11
2024	Nov	05	(Tue)	05:55	06:17	106	12:03	60S	17:49	254	18:11
2024	Nov	06	(Wed)	05:55	06:17	106	12:03	59S	17:49	253	18:11
2024	Nov	07	(Thu)	05:55	06:18	107	12:03	59S	17:48	253	18:11
2024	Nov	08	(Fri)	05:56	06:18	107	12:03	59S	17:48	253	18:10
2024	Nov	09	(Sat)	05:56	06:19	107	12:03	59S	17:48	253	18:10
2024	Nov	10	(Sun)	05:57	06:19	108	12:03	58S	17:48	252	18:10
2024	Nov	11	(Mon)	05:57	06:19	108	12:03	58S	17:47	252	18:10
2024	Nov	12	(Tue)	05:57	06:20	108	12:04	58S	17:47	252	18:10
2024	Nov	13	(Wed)	05:58	06:20	108	12:04	57S	17:47	251	18:09
2024	Nov	14	(Thu)	05:58	06:21	109	12:04	57S	17:47	251	18:09
2024	Nov	15	(Fri)	05:59	06:21	109	12:04	57S	17:47	251	18:09
2024	Nov	16	(Sat)	05:59	06:22	109	12:04	57S	17:47	251	18:09
2024	Nov	17	(Sun)	06:00	06:22	110	12:04	56S	17:46	250	18:09
2024	Nov	18	(Mon)	06:00	06:23	110	12:05	56S	17:46	250	18:09
2024	Nov	19	(Tue)	06:00	06:23	110	12:05	56S	17:46	250	18:09
2024	Nov	20	(Wed)	06:01	06:24	110	12:05	56S	17:46	250	18:09
2024	Nov	21	(Thu)	06:01	06:24	110	12:05	56S	17:46	249	18:09
2024	Nov	22	(Fri)	06:02	06:25	111	12:06	55S	17:46	249	18:09
2024	Nov	23	(Sat)	06:02	06:25	111	12:06	55S	17:46	249	18:09
2024	Nov	24	(Sun)	06:03	06:26	111	12:06	55S	17:46	249	18:09

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

Moon

Chai Nat

Location: E100°09'10.8", N15°10'55.2", 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)	22:31	80		04:11	89S	10:34	282
2024 Jan 02 (Tue)	23:17	86		04:51	83S	11:08	277
2024 Jan 03 (Wed)				05:30	78S	11:40	271
2024 Jan 04 (Thu)	00:02	92		06:09	72S	12:13	265
2024 Jan 05 (Fri)	00:49	98		06:50	66S	12:47	259
2024 Jan 06 (Sat)	01:37	104		07:32	60S	13:25	253
2024 Jan 07 (Sun)	02:29	109		08:19	55S	14:06	248
2024 Jan 08 (Mon)	03:26	114		09:11	51S	14:54	244
2024 Jan 09 (Tue)	04:26	117		10:08	48S	15:49	241
2024 Jan 10 (Wed)	05:29	119		11:10	47S	16:50	241
2024 Jan 11 (Thu)	06:32	119		12:13	47S	17:56	242
2024 Jan 12 (Fri)	07:32	116		13:16	50S	19:02	246
2024 Jan 13 (Sat)	08:27	112		14:16	55S	20:08	251
2024 Jan 14 (Sun)	09:16	106		15:11	61S	21:09	257
2024 Jan 15 (Mon)	10:01	99		16:02	68S	22:08	264
2024 Jan 16 (Tue)	10:42	92		16:51	75S	23:05	272
2024 Jan 17 (Wed)	11:22	85		17:39	82S	24:00	279
2024 Jan 18 (Thu)	12:03	78		18:27	89S		
2024 Jan 19 (Fri)	12:44	72		19:17	87N	00:56	285
2024 Jan 20 (Sat)	13:29	67		20:08	83N	01:52	291
2024 Jan 21 (Sun)	14:18	63		21:02	79N	02:50	295
2024 Jan 22 (Mon)	15:10	61		21:57	78N	03:48	298
2024 Jan 23 (Tue)	16:04	61		22:52	78N	04:45	299

2024	Jan	24	(Wed)	17:00	62	23:46	79N	05:39	299
2024	Jan	25	(Thu)	17:55	65			06:29	297
2024	Jan	26	(Fri)	18:48	68	00:36	82N	07:15	294
2024	Jan	27	(Sat)	19:38	73	01:23	86N	07:55	289
2024	Jan	28	(Sun)	20:26	78	02:07	91S	08:32	284
2024	Jan	29	(Mon)	21:12	84	02:48	85S	09:07	279
2024	Jan	30	(Tue)	21:57	90	03:27	79S	09:40	273
2024	Jan	31	(Wed)	22:43	96	04:06	74S	10:12	267
2024	Feb	01	(Thu)	23:29	102	04:45	68S	10:45	261
2024	Feb	02	(Fri)			05:26	62S	11:20	255
2024	Feb	03	(Sat)	00:19	107	06:10	57S	11:59	250
2024	Feb	04	(Sun)	01:12	112	06:58	52S	12:43	246
2024	Feb	05	(Mon)	02:09	116	07:52	49S	13:33	242
2024	Feb	06	(Tue)	03:09	119	08:50	47S	14:29	241
2024	Feb	07	(Wed)	04:12	119	09:52	47S	15:32	241
2024	Feb	08	(Thu)	05:13	118	10:55	49S	16:39	243
2024	Feb	09	(Fri)	06:11	114	11:57	52S	17:46	248
2024	Feb	10	(Sat)	07:03	109	12:55	58S	18:51	254
2024	Feb	11	(Sun)	07:51	102	13:50	65S	19:53	261
2024	Feb	12	(Mon)	08:35	95	14:42	72S	20:52	269
2024	Feb	13	(Tue)	09:17	88	15:32	80S	21:50	276
2024	Feb	14	(Wed)	09:59	80	16:21	87S	22:48	283
2024	Feb	15	(Thu)	10:42	74	17:12	89N	23:46	289
2024	Feb	16	(Fri)	11:27	68	18:04	84N		
2024	Feb	17	(Sat)	12:15	64	18:58	80N	00:44	294
2024	Feb	18	(Sun)	13:06	61	19:53	78N	01:43	298
2024	Feb	19	(Mon)	14:00	61	20:48	77N	02:41	299
2024	Feb	20	(Tue)	14:55	61	21:42	78N	03:36	299
2024	Feb	21	(Wed)	15:50	63	22:33	81N	04:27	298
2024	Feb	22	(Thu)	16:43	67	23:20	85N	05:13	295
2024	Feb	23	(Fri)	17:34	71			05:55	291
2024	Feb	24	(Sat)	18:22	77	00:05	89N	06:33	286
2024	Feb	25	(Sun)	19:08	82	00:46	87S	07:08	280
2024	Feb	26	(Mon)	19:54	88	01:26	81S	07:41	275
2024	Feb	27	(Tue)	20:39	94	02:05	76S	08:13	269
2024	Feb	28	(Wed)	21:25	100	02:44	70S	08:46	263
2024	Feb	29	(Thu)	22:14	106	03:24	64S	09:20	257
2024	Mar	01	(Fri)	23:04	111	04:07	59S	09:57	252
2024	Mar	02	(Sat)	23:59	115	04:52	54S	10:38	247
2024	Mar	03	(Sun)			05:42	50S	11:24	243
2024	Mar	04	(Mon)	00:56	118	06:36	47S	12:16	241
2024	Mar	05	(Tue)	01:56	120	07:35	46S	13:14	240
2024	Mar	06	(Wed)	02:56	119	08:36	47S	14:17	242
2024	Mar	07	(Thu)	03:54	117	09:37	50S	15:22	245
2024	Mar	08	(Fri)	04:47	112	10:36	55S	16:27	250
2024	Mar	09	(Sat)	05:37	106	11:32	61S	17:31	257
2024	Mar	10	(Sun)	06:23	99	12:26	68S	18:32	265
2024	Mar	11	(Mon)	07:07	91	13:17	76S	19:32	272
2024	Mar	12	(Tue)	07:50	84	14:09	83S	20:32	280
2024	Mar	13	(Wed)	08:33	77	15:00	90S	21:32	287
2024	Mar	14	(Thu)	09:19	70	15:54	85N	22:33	292
2024	Mar	15	(Fri)	10:07	65	16:49	81N	23:34	297
2024	Mar	16	(Sat)	10:59	62	17:46	78N		
2024	Mar	17	(Sun)	11:54	60	18:42	77N	00:34	299
2024	Mar	18	(Mon)	12:49	61	19:37	78N	01:31	300
2024	Mar	19	(Tue)	13:45	62	20:29	80N	02:24	299
2024	Mar	20	(Wed)	14:39	66	21:18	83N	03:12	296
2024	Mar	21	(Thu)	15:30	70	22:03	88N	03:55	292
2024	Mar	22	(Fri)	16:19	75	22:46	89S	04:33	288
2024	Mar	23	(Sat)	17:06	80	23:26	83S	05:09	282
2024	Mar	24	(Sun)	17:51	86			05:42	277
2024	Mar	25	(Mon)	18:37	92	00:05	77S	06:15	271
2024	Mar	26	(Tue)	19:23	98	00:44	72S	06:47	265
2024	Mar	27	(Wed)	20:10	104	01:24	66S	07:21	259
2024	Mar	28	(Thu)	21:00	109	02:05	60S	07:57	253
2024	Mar	29	(Fri)	21:53	114	02:50	55S	08:37	248
2024	Mar	30	(Sat)	22:49	117	03:38	51S	09:20	244
2024	Mar	31	(Sun)	23:47	119	04:30	48S	10:10	242
2024	Apr	01	(Mon)			05:26	46S	11:05	240
2024	Apr	02	(Tue)	00:46	120	06:25	47S	12:04	241
2024	Apr	03	(Wed)	01:43	118	07:24	49S	13:07	243
2024	Apr	04	(Thu)	02:36	114	08:22	52S	14:09	248

2024	Apr	05	(Fri)	03:26	109	09:17	58S	15:11	254
2024	Apr	06	(Sat)	04:12	103	10:10	64S	16:12	261
2024	Apr	07	(Sun)	04:56	96	11:02	72S	17:12	268
2024	Apr	08	(Mon)	05:38	88	11:53	79S	18:11	276
2024	Apr	09	(Tue)	06:21	80	12:44	87S	19:12	283
2024	Apr	10	(Wed)	07:07	73	13:38	88N	20:13	290
2024	Apr	11	(Thu)	07:55	68	14:34	83N	21:16	295
2024	Apr	12	(Fri)	08:47	63	15:32	79N	22:19	298
2024	Apr	13	(Sat)	09:42	61	16:31	77N	23:20	300
2024	Apr	14	(Sun)	10:39	60	17:28	77N		
2024	Apr	15	(Mon)	11:37	62	18:23	79N	00:16	299
2024	Apr	16	(Tue)	12:32	64	19:14	82N	01:07	297
2024	Apr	17	(Wed)	13:25	68	20:00	86N	01:52	294
2024	Apr	18	(Thu)	14:15	73	20:44	91S	02:33	289
2024	Apr	19	(Fri)	15:02	78	21:25	85S	03:09	284
2024	Apr	20	(Sat)	15:48	84	22:04	80S	03:44	279
2024	Apr	21	(Sun)	16:34	90	22:43	74S	04:16	273
2024	Apr	22	(Mon)	17:19	96	23:22	68S	04:49	267
2024	Apr	23	(Tue)	18:07	102			05:22	261
2024	Apr	24	(Wed)	18:56	108	00:03	62S	05:57	255
2024	Apr	25	(Thu)	19:49	113	00:47	57S	06:36	250
2024	Apr	26	(Fri)	20:44	116	01:35	52S	07:19	246
2024	Apr	27	(Sat)	21:42	119	02:26	49S	08:07	242
2024	Apr	28	(Sun)	22:41	120	03:22	47S	09:00	241
2024	Apr	29	(Mon)	23:37	119	04:19	46S	09:58	241
2024	Apr	30	(Tue)			05:17	48S	10:59	242
2024	May	01	(Wed)	00:31	116	06:15	51S	12:00	246
2024	May	02	(Thu)	01:21	111	07:09	56S	13:01	251
2024	May	03	(Fri)	02:06	105	08:01	62S	14:00	258
2024	May	04	(Sat)	02:49	99	08:51	68S	14:57	265
2024	May	05	(Sun)	03:31	91	09:41	76S	15:55	272
2024	May	06	(Mon)	04:12	84	10:31	83S	16:53	280
2024	May	07	(Tue)	04:55	77	11:22	90S	17:54	287
2024	May	08	(Wed)	05:42	70	12:17	85N	18:56	292
2024	May	09	(Thu)	06:32	65	13:14	81N	20:00	297
2024	May	10	(Fri)	07:27	62	14:14	78N	21:03	299
2024	May	11	(Sat)	08:24	60	15:14	77N	22:03	299
2024	May	12	(Sun)	09:23	61	16:11	78N	22:58	298
2024	May	13	(Mon)	10:21	63	17:05	81N	23:46	295
2024	May	14	(Tue)	11:16	67	17:54	84N		
2024	May	15	(Wed)	12:08	71	18:40	89N	00:29	291
2024	May	16	(Thu)	12:57	76	19:22	87S	01:08	286
2024	May	17	(Fri)	13:43	82	20:01	82S	01:43	281
2024	May	18	(Sat)	14:29	88	20:40	76S	02:16	275
2024	May	19	(Sun)	15:14	94	21:19	70S	02:49	269
2024	May	20	(Mon)	16:01	100	22:00	64S	03:21	263
2024	May	21	(Tue)	16:50	106	22:43	59S	03:56	257
2024	May	22	(Wed)	17:42	111	23:30	54S	04:33	252
2024	May	23	(Thu)	18:37	115			05:15	247
2024	May	24	(Fri)	19:35	118	00:20	50S	06:02	243
2024	May	25	(Sat)	20:34	120	01:15	47S	06:55	241
2024	May	26	(Sun)	21:32	119	02:13	46S	07:52	240
2024	May	27	(Mon)	22:28	117	03:12	47S	08:53	242
2024	May	28	(Tue)	23:18	113	04:10	50S	09:55	245
2024	May	29	(Wed)			05:05	54S	10:55	250
2024	May	30	(Thu)	00:05	107	05:58	60S	11:54	256
2024	May	31	(Fri)	00:48	101	06:47	66S	12:51	263
2024	Jun	01	(Sat)	01:28	94	07:35	73S	13:46	270
2024	Jun	02	(Sun)	02:08	87	08:23	80S	14:43	277
2024	Jun	03	(Mon)	02:49	80	09:13	87S	15:40	284
2024	Jun	04	(Tue)	03:33	73	10:05	88N	16:40	290
2024	Jun	05	(Wed)	04:20	67	11:00	83N	17:42	295
2024	Jun	06	(Thu)	05:13	63	11:58	79N	18:45	298
2024	Jun	07	(Fri)	06:09	61	12:58	77N	19:47	299
2024	Jun	08	(Sat)	07:08	61	13:57	78N	20:45	299
2024	Jun	09	(Sun)	08:07	62	14:53	79N	21:37	296
2024	Jun	10	(Mon)	09:04	65	15:45	83N	22:23	293
2024	Jun	11	(Tue)	09:58	69	16:33	87N	23:04	288
2024	Jun	12	(Wed)	10:49	74	17:17	89S	23:41	283
2024	Jun	13	(Thu)	11:37	80	17:57	84S		
2024	Jun	14	(Fri)	12:23	86	18:37	78S	00:15	277
2024	Jun	15	(Sat)	13:08	92	19:16	72S	00:47	271

2024	Jun	16	(Sun)	13:54	98	19:55	66S	01:20	265
2024	Jun	17	(Mon)	14:42	104	20:37	61S	01:53	259
2024	Jun	18	(Tue)	15:32	109	21:22	56S	02:29	254
2024	Jun	19	(Wed)	16:26	114	22:11	51S	03:09	249
2024	Jun	20	(Thu)	17:23	117	23:05	48S	03:54	245
2024	Jun	21	(Fri)	18:23	119			04:45	242
2024	Jun	22	(Sat)	19:23	119	00:02	47S	05:42	241
2024	Jun	23	(Sun)	20:21	118	01:02	47S	06:43	241
2024	Jun	24	(Mon)	21:14	114	02:02	49S	07:46	244
2024	Jun	25	(Tue)	22:03	109	03:00	53S	08:48	248
2024	Jun	26	(Wed)	22:47	103	03:54	58S	09:48	254
2024	Jun	27	(Thu)	23:28	96	04:45	64S	10:46	261
2024	Jun	28	(Fri)			05:33	71S	11:42	268
2024	Jun	29	(Sat)	00:08	89	06:21	78S	12:38	275
2024	Jun	30	(Sun)	00:48	82	07:09	85S	13:34	282
2024	Jul	01	(Mon)	01:30	75	07:59	90N	14:32	288
2024	Jul	02	(Tue)	02:15	69	08:52	84N	15:32	293
2024	Jul	03	(Wed)	03:04	65	09:47	80N	16:33	297
2024	Jul	04	(Thu)	03:58	62	10:46	78N	17:34	299
2024	Jul	05	(Fri)	04:55	61	11:45	77N	18:33	299
2024	Jul	06	(Sat)	05:54	61	12:42	79N	19:27	298
2024	Jul	07	(Sun)	06:53	64	13:36	81N	20:16	294
2024	Jul	08	(Mon)	07:48	68	14:25	85N	20:59	290
2024	Jul	09	(Tue)	08:40	72	15:11	90N	21:37	285
2024	Jul	10	(Wed)	09:30	78	15:53	86S	22:13	279
2024	Jul	11	(Thu)	10:16	84	16:33	80S	22:46	273
2024	Jul	12	(Fri)	11:02	90	17:12	74S	23:18	267
2024	Jul	13	(Sat)	11:47	96	17:51	68S	23:51	261
2024	Jul	14	(Sun)	12:34	101	18:31	63S		
2024	Jul	15	(Mon)	13:22	107	19:14	58S	00:25	256
2024	Jul	16	(Tue)	14:14	112	20:01	53S	01:03	251
2024	Jul	17	(Wed)	15:09	116	20:52	49S	01:45	246
2024	Jul	18	(Thu)	16:08	119	21:48	47S	02:33	243
2024	Jul	19	(Fri)	17:08	120	22:47	46S	03:27	241
2024	Jul	20	(Sat)	18:07	119	23:48	48S	04:27	241
2024	Jul	21	(Sun)	19:04	116			05:30	242
2024	Jul	22	(Mon)	19:56	111	00:48	51S	06:35	246
2024	Jul	23	(Tue)	20:43	105	01:45	56S	07:37	252
2024	Jul	24	(Wed)	21:26	98	02:38	62S	08:38	258
2024	Jul	25	(Thu)	22:07	91	03:29	69S	09:36	266
2024	Jul	26	(Fri)	22:48	83	04:18	76S	10:33	273
2024	Jul	27	(Sat)	23:29	77	05:07	84S	11:29	280
2024	Jul	28	(Sun)			05:56	90S	12:27	287
2024	Jul	29	(Mon)	00:13	71	06:48	86N	13:26	292
2024	Jul	30	(Tue)	01:01	66	07:42	81N	14:26	296
2024	Jul	31	(Wed)	01:53	62	08:39	78N	15:27	299
2024	Aug	01	(Thu)	02:48	61	09:37	77N	16:26	300
2024	Aug	02	(Fri)	03:46	61	10:34	78N	17:21	298
2024	Aug	03	(Sat)	04:44	63	11:28	80N	18:11	296
2024	Aug	04	(Sun)	05:40	66	12:19	84N	18:55	292
2024	Aug	05	(Mon)	06:33	71	13:06	88N	19:35	287
2024	Aug	06	(Tue)	07:23	76	13:49	88S	20:11	281
2024	Aug	07	(Wed)	08:11	82	14:30	82S	20:45	275
2024	Aug	08	(Thu)	08:57	88	15:09	76S	21:18	269
2024	Aug	09	(Fri)	09:42	94	15:48	70S	21:50	264
2024	Aug	10	(Sat)	10:28	99	16:27	65S	22:23	258
2024	Aug	11	(Sun)	11:15	105	17:08	59S	22:59	252
2024	Aug	12	(Mon)	12:04	110	17:53	55S	23:39	248
2024	Aug	13	(Tue)	12:57	114	18:41	51S		
2024	Aug	14	(Wed)	13:53	118	19:34	48S	00:23	244
2024	Aug	15	(Thu)	14:52	120	20:31	46S	01:13	241
2024	Aug	16	(Fri)	15:51	119	21:30	47S	02:09	240
2024	Aug	17	(Sat)	16:49	117	22:31	49S	03:11	241
2024	Aug	18	(Sun)	17:43	114	23:29	53S	04:15	244
2024	Aug	19	(Mon)	18:33	108			05:19	249
2024	Aug	20	(Tue)	19:18	101	00:25	59S	06:22	255
2024	Aug	21	(Wed)	20:02	94	01:18	66S	07:22	262
2024	Aug	22	(Thu)	20:44	86	02:10	73S	08:22	270
2024	Aug	23	(Fri)	21:26	79	03:00	81S	09:20	278
2024	Aug	24	(Sat)	22:10	72	03:50	88S	10:19	285
2024	Aug	25	(Sun)	22:58	67	04:43	87N	11:19	291
2024	Aug	26	(Mon)	23:49	63	05:37	82N	12:20	295

2024 Aug 27 (Tue)		06:34 79N	13:22 299
2024 Aug 28 (Wed)	00:43 61	07:32 77N	14:21 300
2024 Aug 29 (Thu)	01:40 60	08:29 77N	15:17 299
2024 Aug 30 (Fri)	02:38 62	09:24 79N	16:08 297
2024 Aug 31 (Sat)	03:34 65	10:15 82N	16:54 293
2024 Sep 01 (Sun)	04:28 69	11:03 87N	17:35 289
2024 Sep 02 (Mon)	05:19 74	11:47 90S	18:11 283
2024 Sep 03 (Tue)	06:07 80	12:28 84S	18:46 277
2024 Sep 04 (Wed)	06:53 85	13:07 78S	19:18 272
2024 Sep 05 (Thu)	07:38 92	13:46 72S	19:51 266
2024 Sep 06 (Fri)	08:24 98	14:25 67S	20:23 260
2024 Sep 07 (Sat)	09:10 103	15:06 61S	20:58 254
2024 Sep 08 (Sun)	09:58 109	15:48 56S	21:36 249
2024 Sep 09 (Mon)	10:49 113	16:34 52S	22:17 245
2024 Sep 10 (Tue)	11:43 117	17:24 49S	23:04 242
2024 Sep 11 (Wed)	12:39 119	18:18 47S	23:56 240
2024 Sep 12 (Thu)	13:37 120	19:15 46S	
2024 Sep 13 (Fri)	14:34 119	20:14 48S	00:54 240
2024 Sep 14 (Sat)	15:28 116	21:12 51S	01:55 242
2024 Sep 15 (Sun)	16:19 111	22:09 56S	02:58 246
2024 Sep 16 (Mon)	17:07 105	23:03 62S	04:01 252
2024 Sep 17 (Tue)	17:51 98	23:55 70S	05:03 258
2024 Sep 18 (Wed)	18:34 90		06:03 266
2024 Sep 19 (Thu)	19:18 82	00:47 77S	07:03 274
2024 Sep 20 (Fri)	20:02 75	01:38 85S	08:04 282
2024 Sep 21 (Sat)	20:50 69	02:32 90N	09:05 288
2024 Sep 22 (Sun)	21:41 64	03:27 84N	10:09 294
2024 Sep 23 (Mon)	22:36 61	04:25 80N	11:12 298
2024 Sep 24 (Tue)	23:34 60	05:25 77N	12:14 300
2024 Sep 25 (Wed)		06:24 77N	13:13 300
2024 Sep 26 (Thu)	00:33 61	07:20 78N	14:06 298
2024 Sep 27 (Fri)	01:30 64	08:13 81N	14:53 294
2024 Sep 28 (Sat)	02:24 67	09:01 85N	15:35 290
2024 Sep 29 (Sun)	03:16 72	09:46 90N	16:13 285
2024 Sep 30 (Mon)	04:04 78	10:27 86S	16:47 279
2024 Oct 01 (Tue)	04:51 83	11:07 80S	17:20 274
2024 Oct 02 (Wed)	05:36 90	11:46 74S	17:53 267
2024 Oct 03 (Thu)	06:21 96	12:25 68S	18:25 262
2024 Oct 04 (Fri)	07:07 101	13:05 63S	18:59 256
2024 Oct 05 (Sat)	07:55 107	13:47 58S	19:36 251
2024 Oct 06 (Sun)	08:45 112	14:31 53S	20:16 246
2024 Oct 07 (Mon)	09:37 116	15:20 49S	21:00 243
2024 Oct 08 (Tue)	10:32 118	16:12 47S	21:50 241
2024 Oct 09 (Wed)	11:28 120	17:06 46S	22:44 240
2024 Oct 10 (Thu)	12:24 119	18:03 47S	23:43 241
2024 Oct 11 (Fri)	13:18 117	18:59 49S	
2024 Oct 12 (Sat)	14:09 113	19:55 53S	00:43 244
2024 Oct 13 (Sun)	14:56 108	20:48 59S	01:44 249
2024 Oct 14 (Mon)	15:40 101	21:40 66S	02:44 255
2024 Oct 15 (Tue)	16:23 94	22:31 73S	03:43 262
2024 Oct 16 (Wed)	17:06 86	23:22 81S	04:42 270
2024 Oct 17 (Thu)	17:50 79		05:42 278
2024 Oct 18 (Fri)	18:37 72	00:15 88S	06:44 285
2024 Oct 19 (Sat)	19:28 66	01:10 87N	07:48 291
2024 Oct 20 (Sun)	20:23 62	02:09 82N	08:54 296
2024 Oct 21 (Mon)	21:22 60	03:10 78N	10:00 299
2024 Oct 22 (Tue)	22:22 61	04:12 77N	11:02 300
2024 Oct 23 (Wed)	23:22 63	05:11 78N	11:59 299
2024 Oct 24 (Thu)		06:07 80N	12:49 296
2024 Oct 25 (Fri)	00:18 66	06:58 84N	13:34 292
2024 Oct 26 (Sat)	01:11 71	07:44 88N	14:13 287
2024 Oct 27 (Sun)	02:01 76	08:27 88S	14:49 281
2024 Oct 28 (Mon)	02:48 82	09:07 82S	15:22 275
2024 Oct 29 (Tue)	03:34 88	09:46 76S	15:54 269
2024 Oct 30 (Wed)	04:19 94	10:24 70S	16:27 264
2024 Oct 31 (Thu)	05:04 99	11:04 65S	17:00 258
2024 Nov 01 (Fri)	05:52 105	11:45 59S	17:36 252
2024 Nov 02 (Sat)	06:41 110	12:29 54S	18:15 248
2024 Nov 03 (Sun)	07:33 114	13:17 51S	18:59 244
2024 Nov 04 (Mon)	08:28 118	14:08 48S	19:47 241
2024 Nov 05 (Tue)	09:24 119	15:02 46S	20:40 240
2024 Nov 06 (Wed)	10:19 120	15:58 47S	21:37 241

2024 Nov 07 (Thu)	11:13 118	16:53 49S	22:35 243
2024 Nov 08 (Fri)	12:03 115	17:48 52S	23:34 247
2024 Nov 09 (Sat)	12:50 110	18:40 57S	
2024 Nov 10 (Sun)	13:34 104	19:30 63S	00:32 253
2024 Nov 11 (Mon)	14:15 97	20:19 70S	01:30 259
2024 Nov 12 (Tue)	14:56 90	21:08 77S	02:26 266
2024 Nov 13 (Wed)	15:38 83	21:59 84S	03:24 274
2024 Nov 14 (Thu)	16:23 75	22:52 90N	04:23 281
2024 Nov 15 (Fri)	17:11 69	23:49 84N	05:25 288
2024 Nov 16 (Sat)	18:05 64		06:30 294
2024 Nov 17 (Sun)	19:03 61	00:50 80N	07:37 298
2024 Nov 18 (Mon)	20:05 60	01:53 78N	08:43 299
2024 Nov 19 (Tue)	21:07 62	02:55 77N	09:45 299
2024 Nov 20 (Wed)	22:07 65	03:55 79N	10:40 297
2024 Nov 21 (Thu)	23:03 69	04:49 82N	11:28 293
2024 Nov 22 (Fri)	23:55 74	05:38 87N	12:10 289
2024 Nov 23 (Sat)		06:23 90S	12:48 283
2024 Nov 24 (Sun)	00:43 80	07:04 84S	13:22 277
2024 Nov 25 (Mon)	01:30 85	07:44 78S	13:55 271
2024 Nov 26 (Tue)	02:15 92	08:23 72S	14:27 266
2024 Nov 27 (Wed)	03:00 97	09:02 67S	15:00 260
2024 Nov 28 (Thu)	03:47 103	09:42 61S	15:35 254
2024 Nov 29 (Fri)	04:35 109	10:26 56S	16:13 249
2024 Nov 30 (Sat)	05:27 113	11:12 52S	16:55 245
2024 Dec 01 (Sun)	06:21 117	12:03 49S	17:43 242
2024 Dec 02 (Mon)	07:18 119	12:57 47S	18:35 241
2024 Dec 03 (Tue)	08:14 120	13:53 47S	19:31 241
2024 Dec 04 (Wed)	09:09 119	14:49 48S	20:30 243
2024 Dec 05 (Thu)	10:01 116	15:44 51S	21:29 246
2024 Dec 06 (Fri)	10:49 111	16:36 55S	22:27 251
2024 Dec 07 (Sat)	11:32 106	17:26 61S	23:24 257
2024 Dec 08 (Sun)	12:14 100	18:14 68S	
2024 Dec 09 (Mon)	12:53 93	19:02 75S	00:19 264
2024 Dec 10 (Tue)	13:33 85	19:50 82S	01:14 271
2024 Dec 11 (Wed)	14:15 78	20:40 88S	02:10 278
2024 Dec 12 (Thu)	15:00 72	21:33 87N	03:09 285
2024 Dec 13 (Fri)	15:50 66	22:31 82N	04:11 291
2024 Dec 14 (Sat)	16:45 63	23:32 78N	05:15 296
2024 Dec 15 (Sun)	17:45 61		06:21 299
2024 Dec 16 (Mon)	18:48 61	00:35 77N	07:25 299
2024 Dec 17 (Tue)	19:50 63	01:37 78N	08:24 298
2024 Dec 18 (Wed)	20:49 67	02:35 81N	09:17 295
2024 Dec 19 (Thu)	21:44 72	03:28 85N	10:03 291
2024 Dec 20 (Fri)	22:35 77	04:15 90N	10:43 285
2024 Dec 21 (Sat)	23:23 83	04:59 86S	11:19 280
2024 Dec 22 (Sun)		05:40 80S	11:53 274
2024 Dec 23 (Mon)	00:09 89	06:19 74S	12:26 268
2024 Dec 24 (Tue)	00:54 95	06:58 69S	12:58 262
2024 Dec 25 (Wed)	01:40 101	07:38 63S	13:33 256
2024 Dec 26 (Thu)	02:28 107	08:20 58S	14:09 251
2024 Dec 27 (Fri)	03:18 111	09:05 53S	14:50 247
2024 Dec 28 (Sat)	04:11 115	09:54 50S	15:35 243
2024 Dec 29 (Sun)	05:07 118	10:47 47S	16:26 241
2024 Dec 30 (Mon)	06:05 120	11:43 46S	17:22 240
2024 Dec 31 (Tue)	07:01 119	12:41 47S	18:21 242