

Sun

Sukhothai

Location: E 99°49'19.2", N17°00'43.2", 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)	05:59	06:50	114	12:24 51S	17:58	246	18:48
2024	Jan	02 (Tue)	06:00	06:50	114	12:24 51S	17:59	246	18:49
2024	Jan	03 (Wed)	06:00	06:51	114	12:25 51S	17:59	246	18:50
2024	Jan	04 (Thu)	06:01	06:51	114	12:25 51S	18:00	246	18:50
2024	Jan	05 (Fri)	06:01	06:51	114	12:26 51S	18:00	247	18:51
2024	Jan	06 (Sat)	06:01	06:52	113	12:26 51S	18:01	247	18:51
2024	Jan	07 (Sun)	06:02	06:52	113	12:27 51S	18:02	247	18:52
2024	Jan	08 (Mon)	06:02	06:52	113	12:27 51S	18:02	247	18:52
2024	Jan	09 (Tue)	06:02	06:52	113	12:28 52S	18:03	247	18:53
2024	Jan	10 (Wed)	06:02	06:53	113	12:28 52S	18:03	247	18:53
2024	Jan	11 (Thu)	06:03	06:53	113	12:28 52S	18:04	247	18:54
2024	Jan	12 (Fri)	06:03	06:53	113	12:29 52S	18:05	248	18:55
2024	Jan	13 (Sat)	06:03	06:53	112	12:29 52S	18:05	248	18:55
2024	Jan	14 (Sun)	06:03	06:53	112	12:29 52S	18:06	248	18:56
2024	Jan	15 (Mon)	06:04	06:53	112	12:30 52S	18:06	248	18:56
2024	Jan	16 (Tue)	06:04	06:53	112	12:30 53S	18:07	248	18:57
2024	Jan	17 (Wed)	06:04	06:54	112	12:31 53S	18:08	248	18:57
2024	Jan	18 (Thu)	06:04	06:54	111	12:31 53S	18:08	249	18:58
2024	Jan	19 (Fri)	06:04	06:54	111	12:31 53S	18:09	249	18:58
2024	Jan	20 (Sat)	06:04	06:54	111	12:32 53S	18:09	249	18:59
2024	Jan	21 (Sun)	06:04	06:54	111	12:32 54S	18:10	249	18:59
2024	Jan	22 (Mon)	06:04	06:54	111	12:32 54S	18:11	250	19:00
2024	Jan	23 (Tue)	06:04	06:54	110	12:32 54S	18:11	250	19:01
2024	Jan	24 (Wed)	06:04	06:54	110	12:33 54S	18:12	250	19:01
2024	Jan	25 (Thu)	06:04	06:53	110	12:33 55S	18:12	250	19:02
2024	Jan	26 (Fri)	06:04	06:53	110	12:33 55S	18:13	251	19:02
2024	Jan	27 (Sat)	06:04	06:53	109	12:33 55S	18:13	251	19:02
2024	Jan	28 (Sun)	06:04	06:53	109	12:33 55S	18:14	251	19:03
2024	Jan	29 (Mon)	06:04	06:53	109	12:34 56S	18:15	251	19:03
2024	Jan	30 (Tue)	06:04	06:53	108	12:34 56S	18:15	252	19:04
2024	Jan	31 (Wed)	06:04	06:53	108	12:34 56S	18:16	252	19:04
2024	Feb	01 (Thu)	06:04	06:52	108	12:34 56S	18:16	252	19:05
2024	Feb	02 (Fri)	06:04	06:52	108	12:34 57S	18:17	253	19:05
2024	Feb	03 (Sat)	06:03	06:52	107	12:34 57S	18:17	253	19:06
2024	Feb	04 (Sun)	06:03	06:52	107	12:35 57S	18:18	253	19:06
2024	Feb	05 (Mon)	06:03	06:51	107	12:35 58S	18:18	254	19:06
2024	Feb	06 (Tue)	06:03	06:51	106	12:35 58S	18:19	254	19:07
2024	Feb	07 (Wed)	06:02	06:51	106	12:35 58S	18:19	254	19:07
2024	Feb	08 (Thu)	06:02	06:50	106	12:35 59S	18:20	254	19:08
2024	Feb	09 (Fri)	06:02	06:50	105	12:35 59S	18:20	255	19:08
2024	Feb	10 (Sat)	06:02	06:50	105	12:35 59S	18:20	255	19:08
2024	Feb	11 (Sun)	06:01	06:49	105	12:35 60S	18:21	255	19:09
2024	Feb	12 (Mon)	06:01	06:49	104	12:35 60S	18:21	256	19:09
2024	Feb	13 (Tue)	06:01	06:48	104	12:35 60S	18:22	256	19:10
2024	Feb	14 (Wed)	06:00	06:48	104	12:35 61S	18:22	257	19:10
2024	Feb	15 (Thu)	06:00	06:47	103	12:35 61S	18:23	257	19:10
2024	Feb	16 (Fri)	05:59	06:47	103	12:35 61S	18:23	257	19:11
2024	Feb	17 (Sat)	05:59	06:46	103	12:35 62S	18:23	258	19:11
2024	Feb	18 (Sun)	05:58	06:46	102	12:35 62S	18:24	258	19:11
2024	Feb	19 (Mon)	05:58	06:45	102	12:35 62S	18:24	258	19:11
2024	Feb	20 (Tue)	05:57	06:45	101	12:34 63S	18:24	259	19:12
2024	Feb	21 (Wed)	05:57	06:44	101	12:34 63S	18:25	259	19:12
2024	Feb	22 (Thu)	05:56	06:44	101	12:34 63S	18:25	259	19:12
2024	Feb	23 (Fri)	05:56	06:43	100	12:34 64S	18:25	260	19:13
2024	Feb	24 (Sat)	05:55	06:43	100	12:34 64S	18:26	260	19:13
2024	Feb	25 (Sun)	05:55	06:42	100	12:34 64S	18:26	261	19:13
2024	Feb	26 (Mon)	05:54	06:41	99	12:34 65S	18:26	261	19:13
2024	Feb	27 (Tue)	05:54	06:41	99	12:34 65S	18:27	261	19:14
2024	Feb	28 (Wed)	05:53	06:40	98	12:33 66S	18:27	262	19:14
2024	Feb	29 (Thu)	05:52	06:39	98	12:33 66S	18:27	262	19:14

2024	Mar	01	(Fri)	05:52	06:39	98	12:33	66S	18:27	263	19:14
2024	Mar	02	(Sat)	05:51	06:38	97	12:33	67S	18:28	263	19:15
2024	Mar	03	(Sun)	05:51	06:37	97	12:33	67S	18:28	263	19:15
2024	Mar	04	(Mon)	05:50	06:37	96	12:32	67S	18:28	264	19:15
2024	Mar	05	(Tue)	05:49	06:36	96	12:32	68S	18:28	264	19:15
2024	Mar	06	(Wed)	05:48	06:35	96	12:32	68S	18:29	265	19:16
2024	Mar	07	(Thu)	05:48	06:35	95	12:32	69S	18:29	265	19:16
2024	Mar	08	(Fri)	05:47	06:34	95	12:31	69S	18:29	265	19:16
2024	Mar	09	(Sat)	05:46	06:33	94	12:31	69S	18:29	266	19:16
2024	Mar	10	(Sun)	05:46	06:32	94	12:31	70S	18:30	266	19:16
2024	Mar	11	(Mon)	05:45	06:32	94	12:31	70S	18:30	267	19:17
2024	Mar	12	(Tue)	05:44	06:31	93	12:30	71S	18:30	267	19:17
2024	Mar	13	(Wed)	05:43	06:30	93	12:30	71S	18:30	268	19:17
2024	Mar	14	(Thu)	05:43	06:29	92	12:30	71S	18:31	268	19:17
2024	Mar	15	(Fri)	05:42	06:29	92	12:30	72S	18:31	268	19:17
2024	Mar	16	(Sat)	05:41	06:28	91	12:29	72S	18:31	269	19:18
2024	Mar	17	(Sun)	05:40	06:27	91	12:29	73S	18:31	269	19:18
2024	Mar	18	(Mon)	05:40	06:26	91	12:29	73S	18:31	270	19:18
2024	Mar	19	(Tue)	05:39	06:26	90	12:28	73S	18:31	270	19:18
2024	Mar	20	(Wed)	05:38	06:25	90	12:28	74S	18:32	270	19:18
2024	Mar	21	(Thu)	05:37	06:24	89	12:28	74S	18:32	271	19:19
2024	Mar	22	(Fri)	05:36	06:23	89	12:28	75S	18:32	271	19:19
2024	Mar	23	(Sat)	05:36	06:22	89	12:27	75S	18:32	272	19:19
2024	Mar	24	(Sun)	05:35	06:22	88	12:27	75S	18:32	272	19:19
2024	Mar	25	(Mon)	05:34	06:21	88	12:27	76S	18:33	272	19:19
2024	Mar	26	(Tue)	05:33	06:20	87	12:26	76S	18:33	273	19:20
2024	Mar	27	(Wed)	05:32	06:19	87	12:26	76S	18:33	273	19:20
2024	Mar	28	(Thu)	05:32	06:19	87	12:26	77S	18:33	274	19:20
2024	Mar	29	(Fri)	05:31	06:18	86	12:25	77S	18:33	274	19:20
2024	Mar	30	(Sat)	05:30	06:17	86	12:25	78S	18:33	275	19:20
2024	Mar	31	(Sun)	05:29	06:16	85	12:25	78S	18:34	275	19:21
2024	Apr	01	(Mon)	05:28	06:15	85	12:24	78S	18:34	275	19:21
2024	Apr	02	(Tue)	05:28	06:15	84	12:24	79S	18:34	276	19:21
2024	Apr	03	(Wed)	05:27	06:14	84	12:24	79S	18:34	276	19:21
2024	Apr	04	(Thu)	05:26	06:13	84	12:24	80S	18:34	277	19:22
2024	Apr	05	(Fri)	05:25	06:12	83	12:23	80S	18:35	277	19:22
2024	Apr	06	(Sat)	05:24	06:12	83	12:23	80S	18:35	277	19:22
2024	Apr	07	(Sun)	05:24	06:11	83	12:23	81S	18:35	278	19:22
2024	Apr	08	(Mon)	05:23	06:10	82	12:22	81S	18:35	278	19:23
2024	Apr	09	(Tue)	05:22	06:09	82	12:22	81S	18:35	278	19:23
2024	Apr	10	(Wed)	05:21	06:09	81	12:22	82S	18:36	279	19:23
2024	Apr	11	(Thu)	05:20	06:08	81	12:22	82S	18:36	279	19:23
2024	Apr	12	(Fri)	05:20	06:07	81	12:21	83S	18:36	280	19:24
2024	Apr	13	(Sat)	05:19	06:06	80	12:21	83S	18:36	280	19:24
2024	Apr	14	(Sun)	05:18	06:06	80	12:21	83S	18:36	280	19:24
2024	Apr	15	(Mon)	05:17	06:05	79	12:21	84S	18:37	281	19:24
2024	Apr	16	(Tue)	05:16	06:04	79	12:20	84S	18:37	281	19:25
2024	Apr	17	(Wed)	05:16	06:04	79	12:20	84S	18:37	282	19:25
2024	Apr	18	(Thu)	05:15	06:03	78	12:20	85S	18:37	282	19:25
2024	Apr	19	(Fri)	05:14	06:02	78	12:20	85S	18:37	282	19:26
2024	Apr	20	(Sat)	05:13	06:02	78	12:20	85S	18:38	283	19:26
2024	Apr	21	(Sun)	05:13	06:01	77	12:19	86S	18:38	283	19:26
2024	Apr	22	(Mon)	05:12	06:00	77	12:19	86S	18:38	283	19:27
2024	Apr	23	(Tue)	05:11	06:00	77	12:19	86S	18:38	284	19:27
2024	Apr	24	(Wed)	05:11	05:59	76	12:19	87S	18:39	284	19:27
2024	Apr	25	(Thu)	05:10	05:59	76	12:19	87S	18:39	284	19:28
2024	Apr	26	(Fri)	05:09	05:58	76	12:18	87S	18:39	285	19:28
2024	Apr	27	(Sat)	05:09	05:57	75	12:18	88S	18:39	285	19:28
2024	Apr	28	(Sun)	05:08	05:57	75	12:18	88S	18:40	285	19:29
2024	Apr	29	(Mon)	05:07	05:56	75	12:18	88S	18:40	286	19:29
2024	Apr	30	(Tue)	05:07	05:56	74	12:18	89S	18:40	286	19:29
2024	May	01	(Wed)	05:06	05:55	74	12:18	89S	18:41	286	19:30
2024	May	02	(Thu)	05:05	05:55	74	12:18	89S	18:41	287	19:30
2024	May	03	(Fri)	05:05	05:54	73	12:18	90S	18:41	287	19:31
2024	May	04	(Sat)	05:04	05:54	73	12:17	90S	18:41	287	19:31
2024	May	05	(Sun)	05:04	05:53	73	12:17	90S	18:42	288	19:31
2024	May	06	(Mon)	05:03	05:53	72	12:17	90S	18:42	288	19:32
2024	May	07	(Tue)	05:03	05:52	72	12:17	91S	18:42	288	19:32
2024	May	08	(Wed)	05:02	05:52	72	12:17	90N	18:43	288	19:33
2024	May	09	(Thu)	05:02	05:51	71	12:17	90N	18:43	289	19:33
2024	May	10	(Fri)	05:01	05:51	71	12:17	90N	18:43	289	19:33
2024	May	11	(Sat)	05:01	05:51	71	12:17	90N	18:44	289	19:34

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

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

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

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

Sun

Sukhothai

Location: E 99°49'19.2", N17°00'43.2", 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)	06:26	06:50	114	12:24 51S	17:58	246	18:21
2024	Jan	02	(Tue)	06:27	06:50	114	12:24 51S	17:59	246	18:22
2024	Jan	03	(Wed)	06:27	06:51	114	12:25 51S	17:59	246	18:23
2024	Jan	04	(Thu)	06:27	06:51	114	12:25 51S	18:00	246	18:23
2024	Jan	05	(Fri)	06:28	06:51	114	12:26 51S	18:00	247	18:24
2024	Jan	06	(Sat)	06:28	06:52	113	12:26 51S	18:01	247	18:24
2024	Jan	07	(Sun)	06:28	06:52	113	12:27 51S	18:02	247	18:25
2024	Jan	08	(Mon)	06:29	06:52	113	12:27 51S	18:02	247	18:26
2024	Jan	09	(Tue)	06:29	06:52	113	12:28 52S	18:03	247	18:26
2024	Jan	10	(Wed)	06:29	06:53	113	12:28 52S	18:03	247	18:27
2024	Jan	11	(Thu)	06:29	06:53	113	12:28 52S	18:04	247	18:27
2024	Jan	12	(Fri)	06:30	06:53	113	12:29 52S	18:05	248	18:28
2024	Jan	13	(Sat)	06:30	06:53	112	12:29 52S	18:05	248	18:28
2024	Jan	14	(Sun)	06:30	06:53	112	12:29 52S	18:06	248	18:29
2024	Jan	15	(Mon)	06:30	06:53	112	12:30 52S	18:06	248	18:30
2024	Jan	16	(Tue)	06:30	06:53	112	12:30 53S	18:07	248	18:30
2024	Jan	17	(Wed)	06:30	06:54	112	12:31 53S	18:08	248	18:31
2024	Jan	18	(Thu)	06:31	06:54	111	12:31 53S	18:08	249	18:31
2024	Jan	19	(Fri)	06:31	06:54	111	12:31 53S	18:09	249	18:32
2024	Jan	20	(Sat)	06:31	06:54	111	12:32 53S	18:09	249	18:32
2024	Jan	21	(Sun)	06:31	06:54	111	12:32 54S	18:10	249	18:33
2024	Jan	22	(Mon)	06:31	06:54	111	12:32 54S	18:11	250	18:34
2024	Jan	23	(Tue)	06:31	06:54	110	12:32 54S	18:11	250	18:34
2024	Jan	24	(Wed)	06:31	06:54	110	12:33 54S	18:12	250	18:35
2024	Jan	25	(Thu)	06:31	06:53	110	12:33 55S	18:12	250	18:35
2024	Jan	26	(Fri)	06:31	06:53	110	12:33 55S	18:13	251	18:36
2024	Jan	27	(Sat)	06:30	06:53	109	12:33 55S	18:13	251	18:36
2024	Jan	28	(Sun)	06:30	06:53	109	12:33 55S	18:14	251	18:37
2024	Jan	29	(Mon)	06:30	06:53	109	12:34 56S	18:15	251	18:37
2024	Jan	30	(Tue)	06:30	06:53	108	12:34 56S	18:15	252	18:38
2024	Jan	31	(Wed)	06:30	06:53	108	12:34 56S	18:16	252	18:38
2024	Feb	01	(Thu)	06:30	06:52	108	12:34 56S	18:16	252	18:39
2024	Feb	02	(Fri)	06:30	06:52	108	12:34 57S	18:17	253	18:39
2024	Feb	03	(Sat)	06:29	06:52	107	12:34 57S	18:17	253	18:40
2024	Feb	04	(Sun)	06:29	06:52	107	12:35 57S	18:18	253	18:40
2024	Feb	05	(Mon)	06:29	06:51	107	12:35 58S	18:18	254	18:41
2024	Feb	06	(Tue)	06:29	06:51	106	12:35 58S	18:19	254	18:41
2024	Feb	07	(Wed)	06:28	06:51	106	12:35 58S	18:19	254	18:41
2024	Feb	08	(Thu)	06:28	06:50	106	12:35 59S	18:20	254	18:42
2024	Feb	09	(Fri)	06:28	06:50	105	12:35 59S	18:20	255	18:42
2024	Feb	10	(Sat)	06:27	06:50	105	12:35 59S	18:20	255	18:43

2024	Feb	11	(Sun)	06:27	06:49	105	12:35	60S	18:21	255	18:43
2024	Feb	12	(Mon)	06:27	06:49	104	12:35	60S	18:21	256	18:44
2024	Feb	13	(Tue)	06:26	06:48	104	12:35	60S	18:22	256	18:44
2024	Feb	14	(Wed)	06:26	06:48	104	12:35	61S	18:22	257	18:44
2024	Feb	15	(Thu)	06:25	06:47	103	12:35	61S	18:23	257	18:45
2024	Feb	16	(Fri)	06:25	06:47	103	12:35	61S	18:23	257	18:45
2024	Feb	17	(Sat)	06:24	06:46	103	12:35	62S	18:23	258	18:45
2024	Feb	18	(Sun)	06:24	06:46	102	12:35	62S	18:24	258	18:46
2024	Feb	19	(Mon)	06:23	06:45	102	12:35	62S	18:24	258	18:46
2024	Feb	20	(Tue)	06:23	06:45	101	12:34	63S	18:24	259	18:46
2024	Feb	21	(Wed)	06:22	06:44	101	12:34	63S	18:25	259	18:47
2024	Feb	22	(Thu)	06:22	06:44	101	12:34	63S	18:25	259	18:47
2024	Feb	23	(Fri)	06:21	06:43	100	12:34	64S	18:25	260	18:47
2024	Feb	24	(Sat)	06:21	06:43	100	12:34	64S	18:26	260	18:48
2024	Feb	25	(Sun)	06:20	06:42	100	12:34	64S	18:26	261	18:48
2024	Feb	26	(Mon)	06:19	06:41	99	12:34	65S	18:26	261	18:48
2024	Feb	27	(Tue)	06:19	06:41	99	12:34	65S	18:27	261	18:48
2024	Feb	28	(Wed)	06:18	06:40	98	12:33	66S	18:27	262	18:49
2024	Feb	29	(Thu)	06:18	06:39	98	12:33	66S	18:27	262	18:49
2024	Mar	01	(Fri)	06:17	06:39	98	12:33	66S	18:27	263	18:49
2024	Mar	02	(Sat)	06:16	06:38	97	12:33	67S	18:28	263	18:49
2024	Mar	03	(Sun)	06:16	06:37	97	12:33	67S	18:28	263	18:50
2024	Mar	04	(Mon)	06:15	06:37	96	12:32	67S	18:28	264	18:50
2024	Mar	05	(Tue)	06:14	06:36	96	12:32	68S	18:28	264	18:50
2024	Mar	06	(Wed)	06:14	06:35	96	12:32	68S	18:29	265	18:50
2024	Mar	07	(Thu)	06:13	06:35	95	12:32	69S	18:29	265	18:51
2024	Mar	08	(Fri)	06:12	06:34	95	12:31	69S	18:29	265	18:51
2024	Mar	09	(Sat)	06:11	06:33	94	12:31	69S	18:29	266	18:51
2024	Mar	10	(Sun)	06:11	06:32	94	12:31	70S	18:30	266	18:51
2024	Mar	11	(Mon)	06:10	06:32	94	12:31	70S	18:30	267	18:52
2024	Mar	12	(Tue)	06:09	06:31	93	12:30	71S	18:30	267	18:52
2024	Mar	13	(Wed)	06:09	06:30	93	12:30	71S	18:30	268	18:52
2024	Mar	14	(Thu)	06:08	06:29	92	12:30	71S	18:31	268	18:52
2024	Mar	15	(Fri)	06:07	06:29	92	12:30	72S	18:31	268	18:52
2024	Mar	16	(Sat)	06:06	06:28	91	12:29	72S	18:31	269	18:53
2024	Mar	17	(Sun)	06:06	06:27	91	12:29	73S	18:31	269	18:53
2024	Mar	18	(Mon)	06:05	06:26	91	12:29	73S	18:31	270	18:53
2024	Mar	19	(Tue)	06:04	06:26	90	12:28	73S	18:31	270	18:53
2024	Mar	20	(Wed)	06:03	06:25	90	12:28	74S	18:32	270	18:53
2024	Mar	21	(Thu)	06:02	06:24	89	12:28	74S	18:32	271	18:53
2024	Mar	22	(Fri)	06:02	06:23	89	12:28	75S	18:32	271	18:54
2024	Mar	23	(Sat)	06:01	06:22	89	12:27	75S	18:32	272	18:54
2024	Mar	24	(Sun)	06:00	06:22	88	12:27	75S	18:32	272	18:54
2024	Mar	25	(Mon)	05:59	06:21	88	12:27	76S	18:33	272	18:54
2024	Mar	26	(Tue)	05:58	06:20	87	12:26	76S	18:33	273	18:54
2024	Mar	27	(Wed)	05:58	06:19	87	12:26	76S	18:33	273	18:55
2024	Mar	28	(Thu)	05:57	06:19	87	12:26	77S	18:33	274	18:55
2024	Mar	29	(Fri)	05:56	06:18	86	12:25	77S	18:33	274	18:55
2024	Mar	30	(Sat)	05:55	06:17	86	12:25	78S	18:33	275	18:55
2024	Mar	31	(Sun)	05:54	06:16	85	12:25	78S	18:34	275	18:55
2024	Apr	01	(Mon)	05:54	06:15	85	12:24	78S	18:34	275	18:56
2024	Apr	02	(Tue)	05:53	06:15	84	12:24	79S	18:34	276	18:56
2024	Apr	03	(Wed)	05:52	06:14	84	12:24	79S	18:34	276	18:56
2024	Apr	04	(Thu)	05:51	06:13	84	12:24	80S	18:34	277	18:56
2024	Apr	05	(Fri)	05:51	06:12	83	12:23	80S	18:35	277	18:56
2024	Apr	06	(Sat)	05:50	06:12	83	12:23	80S	18:35	277	18:57
2024	Apr	07	(Sun)	05:49	06:11	83	12:23	81S	18:35	278	18:57
2024	Apr	08	(Mon)	05:48	06:10	82	12:22	81S	18:35	278	18:57
2024	Apr	09	(Tue)	05:47	06:09	82	12:22	81S	18:35	278	18:57
2024	Apr	10	(Wed)	05:47	06:09	81	12:22	82S	18:36	279	18:57
2024	Apr	11	(Thu)	05:46	06:08	81	12:22	82S	18:36	279	18:58
2024	Apr	12	(Fri)	05:45	06:07	81	12:21	83S	18:36	280	18:58
2024	Apr	13	(Sat)	05:44	06:06	80	12:21	83S	18:36	280	18:58
2024	Apr	14	(Sun)	05:44	06:06	80	12:21	83S	18:36	280	18:58
2024	Apr	15	(Mon)	05:43	06:05	79	12:21	84S	18:37	281	18:59
2024	Apr	16	(Tue)	05:42	06:04	79	12:20	84S	18:37	281	18:59
2024	Apr	17	(Wed)	05:42	06:04	79	12:20	84S	18:37	282	18:59
2024	Apr	18	(Thu)	05:41	06:03	78	12:20	85S	18:37	282	18:59
2024	Apr	19	(Fri)	05:40	06:02	78	12:20	85S	18:37	282	19:00
2024	Apr	20	(Sat)	05:39	06:02	78	12:20	85S	18:38	283	19:00
2024	Apr	21	(Sun)	05:39	06:01	77	12:19	86S	18:38	283	19:00
2024	Apr	22	(Mon)	05:38	06:00	77	12:19	86S	18:38	283	19:00

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

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

2024	Sep	14	(Sat)	05:47	06:09	86	12:16	77S	18:23	274	18:45
2024	Sep	15	(Sun)	05:47	06:09	87	12:16	77S	18:23	273	18:44
2024	Sep	16	(Mon)	05:47	06:09	87	12:15	76S	18:22	273	18:43
2024	Sep	17	(Tue)	05:47	06:09	87	12:15	76S	18:21	272	18:43
2024	Sep	18	(Wed)	05:48	06:09	88	12:15	75S	18:20	272	18:42
2024	Sep	19	(Thu)	05:48	06:09	88	12:14	75S	18:19	271	18:41
2024	Sep	20	(Fri)	05:48	06:09	89	12:14	75S	18:18	271	18:40
2024	Sep	21	(Sat)	05:48	06:10	89	12:14	74S	18:18	271	18:39
2024	Sep	22	(Sun)	05:48	06:10	90	12:13	74S	18:17	270	18:38
2024	Sep	23	(Mon)	05:48	06:10	90	12:13	73S	18:16	270	18:38
2024	Sep	24	(Tue)	05:48	06:10	90	12:13	73S	18:15	269	18:37
2024	Sep	25	(Wed)	05:48	06:10	91	12:12	73S	18:14	269	18:36
2024	Sep	26	(Thu)	05:49	06:10	91	12:12	72S	18:13	269	18:35
2024	Sep	27	(Fri)	05:49	06:10	92	12:12	72S	18:13	268	18:34
2024	Sep	28	(Sat)	05:49	06:10	92	12:11	71S	18:12	268	18:33
2024	Sep	29	(Sun)	05:49	06:11	92	12:11	71S	18:11	267	18:33
2024	Sep	30	(Mon)	05:49	06:11	93	12:11	71S	18:10	267	18:32
2024	Oct	01	(Tue)	05:49	06:11	93	12:10	70S	18:09	267	18:31
2024	Oct	02	(Wed)	05:49	06:11	94	12:10	70S	18:09	266	18:30
2024	Oct	03	(Thu)	05:50	06:11	94	12:10	70S	18:08	266	18:30
2024	Oct	04	(Fri)	05:50	06:11	94	12:09	69S	18:07	265	18:29
2024	Oct	05	(Sat)	05:50	06:12	95	12:09	69S	18:06	265	18:28
2024	Oct	06	(Sun)	05:50	06:12	95	12:09	68S	18:06	265	18:27
2024	Oct	07	(Mon)	05:50	06:12	96	12:08	68S	18:05	264	18:26
2024	Oct	08	(Tue)	05:50	06:12	96	12:08	68S	18:04	264	18:26
2024	Oct	09	(Wed)	05:51	06:12	96	12:08	67S	18:03	263	18:25
2024	Oct	10	(Thu)	05:51	06:12	97	12:08	67S	18:03	263	18:24
2024	Oct	11	(Fri)	05:51	06:13	97	12:07	66S	18:02	263	18:24
2024	Oct	12	(Sat)	05:51	06:13	98	12:07	66S	18:01	262	18:23
2024	Oct	13	(Sun)	05:51	06:13	98	12:07	66S	18:00	262	18:22
2024	Oct	14	(Mon)	05:52	06:13	98	12:07	65S	18:00	261	18:22
2024	Oct	15	(Tue)	05:52	06:14	99	12:06	65S	17:59	261	18:21
2024	Oct	16	(Wed)	05:52	06:14	99	12:06	65S	17:58	261	18:20
2024	Oct	17	(Thu)	05:52	06:14	100	12:06	64S	17:58	260	18:20
2024	Oct	18	(Fri)	05:52	06:14	100	12:06	64S	17:57	260	18:19
2024	Oct	19	(Sat)	05:53	06:15	100	12:06	64S	17:56	260	18:18
2024	Oct	20	(Sun)	05:53	06:15	101	12:05	63S	17:56	259	18:18
2024	Oct	21	(Mon)	05:53	06:15	101	12:05	63S	17:55	259	18:17
2024	Oct	22	(Tue)	05:53	06:15	101	12:05	62S	17:55	258	18:17
2024	Oct	23	(Wed)	05:54	06:16	102	12:05	62S	17:54	258	18:16
2024	Oct	24	(Thu)	05:54	06:16	102	12:05	62S	17:53	258	18:16
2024	Oct	25	(Fri)	05:54	06:16	102	12:05	61S	17:53	257	18:15
2024	Oct	26	(Sat)	05:55	06:17	103	12:05	61S	17:52	257	18:14
2024	Oct	27	(Sun)	05:55	06:17	103	12:05	61S	17:52	257	18:14
2024	Oct	28	(Mon)	05:55	06:17	104	12:04	60S	17:51	256	18:14
2024	Oct	29	(Tue)	05:56	06:18	104	12:04	60S	17:51	256	18:13
2024	Oct	30	(Wed)	05:56	06:18	104	12:04	60S	17:50	256	18:13
2024	Oct	31	(Thu)	05:56	06:18	105	12:04	59S	17:50	255	18:12
2024	Nov	01	(Fri)	05:57	06:19	105	12:04	59S	17:50	255	18:12
2024	Nov	02	(Sat)	05:57	06:19	105	12:04	59S	17:49	255	18:11
2024	Nov	03	(Sun)	05:57	06:20	106	12:04	58S	17:49	254	18:11
2024	Nov	04	(Mon)	05:58	06:20	106	12:04	58S	17:48	254	18:11
2024	Nov	05	(Tue)	05:58	06:20	106	12:04	58S	17:48	254	18:10
2024	Nov	06	(Wed)	05:58	06:21	107	12:04	58S	17:48	253	18:10
2024	Nov	07	(Thu)	05:59	06:21	107	12:04	57S	17:47	253	18:10
2024	Nov	08	(Fri)	05:59	06:22	107	12:04	57S	17:47	253	18:09
2024	Nov	09	(Sat)	06:00	06:22	107	12:05	57S	17:47	252	18:09
2024	Nov	10	(Sun)	06:00	06:23	108	12:05	56S	17:46	252	18:09
2024	Nov	11	(Mon)	06:01	06:23	108	12:05	56S	17:46	252	18:09
2024	Nov	12	(Tue)	06:01	06:24	108	12:05	56S	17:46	252	18:09
2024	Nov	13	(Wed)	06:01	06:24	109	12:05	56S	17:46	251	18:08
2024	Nov	14	(Thu)	06:02	06:25	109	12:05	55S	17:46	251	18:08
2024	Nov	15	(Fri)	06:02	06:25	109	12:05	55S	17:45	251	18:08
2024	Nov	16	(Sat)	06:03	06:26	109	12:06	55S	17:45	250	18:08
2024	Nov	17	(Sun)	06:03	06:26	110	12:06	55S	17:45	250	18:08
2024	Nov	18	(Mon)	06:04	06:27	110	12:06	54S	17:45	250	18:08
2024	Nov	19	(Tue)	06:04	06:27	110	12:06	54S	17:45	250	18:08
2024	Nov	20	(Wed)	06:05	06:28	110	12:06	54S	17:45	249	18:08
2024	Nov	21	(Thu)	06:05	06:28	111	12:07	54S	17:45	249	18:08
2024	Nov	22	(Fri)	06:06	06:29	111	12:07	53S	17:45	249	18:08
2024	Nov	23	(Sat)	06:06	06:29	111	12:07	53S	17:45	249	18:08
2024	Nov	24	(Sun)	06:07	06:30	111	12:07	53S	17:45	249	18:08

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

Moon

Sukhothai

Location: E 99°49'19.2", N17°00'43.2", 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		04:12	87S		10:37	282	
2024 Jan 02 (Tue)	23:17	86		04:52	81S		11:10	277	
2024 Jan 03 (Wed)				05:31	76S		11:42	271	
2024 Jan 04 (Thu)	00:04	92		06:11	70S		12:14	265	
2024 Jan 05 (Fri)	00:51	98		06:51	64S		12:47	259	
2024 Jan 06 (Sat)	01:41	104		07:34	58S		13:24	253	
2024 Jan 07 (Sun)	02:34	110		08:21	53S		14:05	248	
2024 Jan 08 (Mon)	03:31	114		09:12	49S		14:52	244	
2024 Jan 09 (Tue)	04:32	118		10:09	46S		15:46	241	
2024 Jan 10 (Wed)	05:35	120		11:11	45S		16:47	240	
2024 Jan 11 (Thu)	06:38	119		12:15	46S		17:53	242	
2024 Jan 12 (Fri)	07:38	117		13:18	49S		19:00	245	
2024 Jan 13 (Sat)	08:32	112		14:17	53S		20:06	251	
2024 Jan 14 (Sun)	09:20	106		15:12	59S		21:09	257	
2024 Jan 15 (Mon)	10:03	99		16:04	66S		22:09	264	
2024 Jan 16 (Tue)	10:44	92		16:53	73S		23:06	272	
2024 Jan 17 (Wed)	11:23	85		17:40	80S				
2024 Jan 18 (Thu)	12:02	78		18:28	87S		00:03	279	
2024 Jan 19 (Fri)	12:43	72		19:18	89N		00:59	285	
2024 Jan 20 (Sat)	13:27	67		20:09	84N		01:56	291	
2024 Jan 21 (Sun)	14:15	63		21:03	81N		02:55	295	
2024 Jan 22 (Mon)	15:07	61		21:58	80N		03:54	298	
2024 Jan 23 (Tue)	16:01	60		22:54	80N		04:51	300	

2024	Jan	24	(Wed)	16:57	62	23:47	81N	05:45	299
2024	Jan	25	(Thu)	17:52	64			06:35	297
2024	Jan	26	(Fri)	18:46	68	00:38	84N	07:19	294
2024	Jan	27	(Sat)	19:37	73	01:24	88N	08:00	289
2024	Jan	28	(Sun)	20:25	78	02:08	89S	08:36	284
2024	Jan	29	(Mon)	21:12	84	02:49	83S	09:09	279
2024	Jan	30	(Tue)	21:58	90	03:29	78S	09:41	273
2024	Jan	31	(Wed)	22:45	96	04:07	72S	10:13	267
2024	Feb	01	(Thu)	23:33	102	04:47	66S	10:45	261
2024	Feb	02	(Fri)			05:28	60S	11:20	255
2024	Feb	03	(Sat)	00:23	108	06:12	55S	11:58	250
2024	Feb	04	(Sun)	01:17	113	07:00	51S	12:41	245
2024	Feb	05	(Mon)	02:14	117	07:53	47S	13:30	242
2024	Feb	06	(Tue)	03:15	119	08:51	45S	14:26	240
2024	Feb	07	(Wed)	04:18	120	09:53	45S	15:29	241
2024	Feb	08	(Thu)	05:19	118	10:56	47S	16:36	243
2024	Feb	09	(Fri)	06:16	115	11:58	51S	17:44	248
2024	Feb	10	(Sat)	07:07	109	12:57	56S	18:50	254
2024	Feb	11	(Sun)	07:54	103	13:51	63S	19:53	261
2024	Feb	12	(Mon)	08:37	95	14:43	70S	20:53	269
2024	Feb	13	(Tue)	09:18	88	15:33	78S	21:52	276
2024	Feb	14	(Wed)	09:59	80	16:23	85S	22:51	283
2024	Feb	15	(Thu)	10:41	74	17:13	91N	23:50	289
2024	Feb	16	(Fri)	11:25	68	18:05	85N		
2024	Feb	17	(Sat)	12:12	64	18:59	82N	00:49	294
2024	Feb	18	(Sun)	13:03	61	19:54	80N	01:49	298
2024	Feb	19	(Mon)	13:57	60	20:49	79N	02:47	300
2024	Feb	20	(Tue)	14:52	61	21:43	80N	03:42	300
2024	Feb	21	(Wed)	15:47	63	22:34	83N	04:32	298
2024	Feb	22	(Thu)	16:41	67	23:22	86N	05:18	295
2024	Feb	23	(Fri)	17:32	71			05:59	291
2024	Feb	24	(Sat)	18:21	77	00:06	90S	06:36	286
2024	Feb	25	(Sun)	19:09	82	00:48	85S	07:10	281
2024	Feb	26	(Mon)	19:55	88	01:28	80S	07:43	275
2024	Feb	27	(Tue)	20:41	94	02:06	74S	08:14	269
2024	Feb	28	(Wed)	21:28	100	02:45	68S	08:46	263
2024	Feb	29	(Thu)	22:17	106	03:26	62S	09:19	257
2024	Mar	01	(Fri)	23:09	111	04:08	57S	09:56	252
2024	Mar	02	(Sat)			04:54	52S	10:36	247
2024	Mar	03	(Sun)	00:04	115	05:43	48S	11:21	243
2024	Mar	04	(Mon)	01:02	118	06:38	46S	12:13	241
2024	Mar	05	(Tue)	02:02	120	07:36	45S	13:11	240
2024	Mar	06	(Wed)	03:02	119	08:37	45S	14:14	241
2024	Mar	07	(Thu)	03:59	117	09:38	48S	15:20	245
2024	Mar	08	(Fri)	04:52	112	10:37	53S	16:26	250
2024	Mar	09	(Sat)	05:41	106	11:33	59S	17:30	257
2024	Mar	10	(Sun)	06:26	99	12:27	66S	18:33	265
2024	Mar	11	(Mon)	07:08	91	13:19	74S	19:34	272
2024	Mar	12	(Tue)	07:50	84	14:10	81S	20:35	280
2024	Mar	13	(Wed)	08:33	76	15:02	88S	21:36	287
2024	Mar	14	(Thu)	09:17	70	15:55	87N	22:37	293
2024	Mar	15	(Fri)	10:05	65	16:50	83N	23:39	297
2024	Mar	16	(Sat)	10:56	62	17:47	80N		
2024	Mar	17	(Sun)	11:50	60	18:44	79N	00:39	299
2024	Mar	18	(Mon)	12:46	60	19:39	80N	01:37	300
2024	Mar	19	(Tue)	13:42	62	20:31	82N	02:29	299
2024	Mar	20	(Wed)	14:36	65	21:19	85N	03:17	296
2024	Mar	21	(Thu)	15:28	70	22:05	89N	03:59	292
2024	Mar	22	(Fri)	16:18	75	22:47	87S	04:37	288
2024	Mar	23	(Sat)	17:06	80	23:27	81S	05:12	282
2024	Mar	24	(Sun)	17:52	86			05:45	277
2024	Mar	25	(Mon)	18:39	92	00:06	76S	06:16	271
2024	Mar	26	(Tue)	19:25	98	00:45	70S	06:48	265
2024	Mar	27	(Wed)	20:14	104	01:25	64S	07:21	259
2024	Mar	28	(Thu)	21:05	110	02:07	58S	07:56	253
2024	Mar	29	(Fri)	21:58	114	02:51	53S	08:35	248
2024	Mar	30	(Sat)	22:55	118	03:39	49S	09:18	244
2024	Mar	31	(Sun)	23:53	120	04:32	46S	10:07	241
2024	Apr	01	(Mon)			05:28	45S	11:02	240
2024	Apr	02	(Tue)	00:52	120	06:26	45S	12:01	241
2024	Apr	03	(Wed)	01:48	118	07:25	47S	13:04	243
2024	Apr	04	(Thu)	02:41	115	08:23	51S	14:08	247

2024	Apr	05	(Fri)	03:30	110	09:18	56S	15:11	253
2024	Apr	06	(Sat)	04:15	103	10:11	62S	16:12	260
2024	Apr	07	(Sun)	04:58	96	11:03	70S	17:13	268
2024	Apr	08	(Mon)	05:39	88	11:54	77S	18:13	276
2024	Apr	09	(Tue)	06:21	80	12:46	85S	19:15	283
2024	Apr	10	(Wed)	07:06	73	13:39	90N	20:18	290
2024	Apr	11	(Thu)	07:53	67	14:35	85N	21:21	295
2024	Apr	12	(Fri)	08:44	63	15:33	81N	22:25	298
2024	Apr	13	(Sat)	09:39	61	16:32	79N	23:26	300
2024	Apr	14	(Sun)	10:36	60	17:30	79N		
2024	Apr	15	(Mon)	11:34	61	18:24	81N	00:22	299
2024	Apr	16	(Tue)	12:30	64	19:15	84N	01:12	297
2024	Apr	17	(Wed)	13:23	68	20:02	88N	01:57	294
2024	Apr	18	(Thu)	14:14	73	20:45	89S	02:37	290
2024	Apr	19	(Fri)	15:02	78	21:26	83S	03:13	284
2024	Apr	20	(Sat)	15:49	84	22:05	78S	03:46	279
2024	Apr	21	(Sun)	16:35	90	22:44	72S	04:18	273
2024	Apr	22	(Mon)	17:22	96	23:24	66S	04:50	267
2024	Apr	23	(Tue)	18:10	102			05:22	261
2024	Apr	24	(Wed)	19:00	108	00:05	60S	05:57	255
2024	Apr	25	(Thu)	19:53	113	00:49	55S	06:34	250
2024	Apr	26	(Fri)	20:50	117	01:36	50S	07:17	245
2024	Apr	27	(Sat)	21:48	119	02:28	47S	08:04	242
2024	Apr	28	(Sun)	22:46	120	03:23	45S	08:57	240
2024	Apr	29	(Mon)	23:43	119	04:21	45S	09:55	240
2024	Apr	30	(Tue)			05:19	46S	10:56	242
2024	May	01	(Wed)	00:36	116	06:16	49S	11:58	246
2024	May	02	(Thu)	01:25	112	07:10	54S	12:59	251
2024	May	03	(Fri)	02:10	106	08:03	60S	13:59	258
2024	May	04	(Sat)	02:52	99	08:53	67S	14:58	265
2024	May	05	(Sun)	03:32	91	09:42	74S	15:57	272
2024	May	06	(Mon)	04:13	84	10:32	81S	16:56	280
2024	May	07	(Tue)	04:55	77	11:24	88S	17:57	287
2024	May	08	(Wed)	05:40	70	12:18	87N	19:01	293
2024	May	09	(Thu)	06:30	65	13:16	83N	20:05	297
2024	May	10	(Fri)	07:24	62	14:15	80N	21:09	299
2024	May	11	(Sat)	08:21	60	15:15	79N	22:09	300
2024	May	12	(Sun)	09:20	61	16:13	80N	23:03	298
2024	May	13	(Mon)	10:18	63	17:06	82N	23:51	295
2024	May	14	(Tue)	11:14	66	17:56	86N		
2024	May	15	(Wed)	12:07	71	18:41	91S	00:34	291
2024	May	16	(Thu)	12:56	76	19:23	85S	01:11	286
2024	May	17	(Fri)	13:44	82	20:03	80S	01:46	281
2024	May	18	(Sat)	14:30	88	20:42	74S	02:18	275
2024	May	19	(Sun)	15:16	94	21:21	68S	02:50	269
2024	May	20	(Mon)	16:04	100	22:01	62S	03:22	263
2024	May	21	(Tue)	16:53	106	22:44	57S	03:56	257
2024	May	22	(Wed)	17:46	111	23:31	52S	04:32	252
2024	May	23	(Thu)	18:42	115			05:13	247
2024	May	24	(Fri)	19:40	118	00:22	48S	05:59	243
2024	May	25	(Sat)	20:40	120	01:16	46S	06:51	241
2024	May	26	(Sun)	21:38	119	02:14	45S	07:49	240
2024	May	27	(Mon)	22:33	117	03:14	45S	08:50	242
2024	May	28	(Tue)	23:23	113	04:11	48S	09:52	245
2024	May	29	(Wed)			05:07	52S	10:54	250
2024	May	30	(Thu)	00:09	107	05:59	58S	11:53	256
2024	May	31	(Fri)	00:50	101	06:49	64S	12:51	262
2024	Jun	01	(Sat)	01:30	94	07:37	71S	13:48	270
2024	Jun	02	(Sun)	02:09	87	08:25	79S	14:45	277
2024	Jun	03	(Mon)	02:49	79	09:14	85S	15:44	284
2024	Jun	04	(Tue)	03:32	73	10:06	90N	16:44	290
2024	Jun	05	(Wed)	04:19	67	11:01	85N	17:47	295
2024	Jun	06	(Thu)	05:10	63	11:59	81N	18:51	298
2024	Jun	07	(Fri)	06:06	61	12:59	79N	19:53	300
2024	Jun	08	(Sat)	07:05	60	13:58	79N	20:51	299
2024	Jun	09	(Sun)	08:04	62	14:55	81N	21:42	297
2024	Jun	10	(Mon)	09:02	65	15:47	85N	22:28	293
2024	Jun	11	(Tue)	09:57	69	16:34	89N	23:08	288
2024	Jun	12	(Wed)	10:48	74	17:18	87S	23:44	283
2024	Jun	13	(Thu)	11:37	80	17:59	82S		
2024	Jun	14	(Fri)	12:24	86	18:38	76S	00:17	277
2024	Jun	15	(Sat)	13:10	92	19:17	70S	00:49	271

2024	Jun	16	(Sun)	13:56	98	19:57	64S	01:20	265
2024	Jun	17	(Mon)	14:45	104	20:38	59S	01:53	259
2024	Jun	18	(Tue)	15:36	109	21:23	54S	02:28	254
2024	Jun	19	(Wed)	16:31	114	22:12	50S	03:07	249
2024	Jun	20	(Thu)	17:28	117	23:06	46S	03:52	244
2024	Jun	21	(Fri)	18:29	119			04:42	241
2024	Jun	22	(Sat)	19:29	120	00:04	45S	05:38	240
2024	Jun	23	(Sun)	20:26	118	01:04	45S	06:40	241
2024	Jun	24	(Mon)	21:19	114	02:04	47S	07:43	244
2024	Jun	25	(Tue)	22:07	109	03:01	51S	08:46	248
2024	Jun	26	(Wed)	22:50	103	03:55	56S	09:48	254
2024	Jun	27	(Thu)	23:30	96	04:46	63S	10:46	261
2024	Jun	28	(Fri)			05:35	70S	11:43	268
2024	Jun	29	(Sat)	00:09	89	06:22	77S	12:40	275
2024	Jun	30	(Sun)	00:48	81	07:10	83S	13:37	282
2024	Jul	01	(Mon)	01:29	75	08:00	90S	14:36	288
2024	Jul	02	(Tue)	02:13	69	08:53	86N	15:36	294
2024	Jul	03	(Wed)	03:02	64	09:49	82N	16:39	297
2024	Jul	04	(Thu)	03:55	61	10:47	80N	17:40	299
2024	Jul	05	(Fri)	04:52	60	11:46	79N	18:39	300
2024	Jul	06	(Sat)	05:51	61	12:43	80N	19:33	298
2024	Jul	07	(Sun)	06:50	64	13:37	83N	20:21	295
2024	Jul	08	(Mon)	07:46	67	14:27	87N	21:03	290
2024	Jul	09	(Tue)	08:39	72	15:12	89S	21:41	285
2024	Jul	10	(Wed)	09:29	78	15:54	84S	22:15	279
2024	Jul	11	(Thu)	10:17	84	16:34	78S	22:48	273
2024	Jul	12	(Fri)	11:03	90	17:13	72S	23:19	267
2024	Jul	13	(Sat)	11:49	96	17:52	66S	23:51	261
2024	Jul	14	(Sun)	12:37	102	18:32	61S		
2024	Jul	15	(Mon)	13:26	107	19:15	56S	00:25	256
2024	Jul	16	(Tue)	14:18	112	20:02	51S	01:02	250
2024	Jul	17	(Wed)	15:14	116	20:53	47S	01:43	246
2024	Jul	18	(Thu)	16:13	119	21:49	45S	02:30	242
2024	Jul	19	(Fri)	17:14	120	22:49	45S	03:24	240
2024	Jul	20	(Sat)	18:13	119	23:49	46S	04:24	240
2024	Jul	21	(Sun)	19:09	116			05:27	242
2024	Jul	22	(Mon)	20:00	111	00:49	49S	06:32	246
2024	Jul	23	(Tue)	20:46	105	01:46	54S	07:36	252
2024	Jul	24	(Wed)	21:29	98	02:40	60S	08:38	258
2024	Jul	25	(Thu)	22:09	91	03:30	67S	09:37	266
2024	Jul	26	(Fri)	22:48	83	04:19	75S	10:35	273
2024	Jul	27	(Sat)	23:29	76	05:08	82S	11:32	280
2024	Jul	28	(Sun)			05:57	88S	12:31	287
2024	Jul	29	(Mon)	00:12	70	06:49	88N	13:30	292
2024	Jul	30	(Tue)	00:59	65	07:44	83N	14:32	297
2024	Jul	31	(Wed)	01:50	62	08:40	80N	15:33	299
2024	Aug	01	(Thu)	02:45	60	09:38	79N	16:32	300
2024	Aug	02	(Fri)	03:43	60	10:35	80N	17:27	299
2024	Aug	03	(Sat)	04:41	62	11:30	82N	18:16	296
2024	Aug	04	(Sun)	05:38	66	12:20	86N	19:00	292
2024	Aug	05	(Mon)	06:32	70	13:07	90N	19:39	287
2024	Aug	06	(Tue)	07:23	76	13:50	86S	20:14	281
2024	Aug	07	(Wed)	08:11	81	14:31	80S	20:47	275
2024	Aug	08	(Thu)	08:58	88	15:10	74S	21:19	269
2024	Aug	09	(Fri)	09:44	94	15:49	69S	21:50	263
2024	Aug	10	(Sat)	10:30	100	16:28	63S	22:23	258
2024	Aug	11	(Sun)	11:18	105	17:10	57S	22:58	252
2024	Aug	12	(Mon)	12:09	110	17:54	53S	23:37	247
2024	Aug	13	(Tue)	13:02	115	18:42	49S		
2024	Aug	14	(Wed)	13:59	118	19:35	46S	00:20	244
2024	Aug	15	(Thu)	14:58	120	20:32	45S	01:10	241
2024	Aug	16	(Fri)	15:57	120	21:32	45S	02:06	240
2024	Aug	17	(Sat)	16:54	118	22:32	47S	03:08	241
2024	Aug	18	(Sun)	17:48	114	23:31	52S	04:12	244
2024	Aug	19	(Mon)	18:36	108			05:17	249
2024	Aug	20	(Tue)	19:21	101	00:27	57S	06:21	255
2024	Aug	21	(Wed)	20:04	94	01:20	64S	07:23	262
2024	Aug	22	(Thu)	20:45	86	02:11	72S	08:23	270
2024	Aug	23	(Fri)	21:26	79	03:01	79S	09:23	278
2024	Aug	24	(Sat)	22:09	72	03:52	86S	10:22	285
2024	Aug	25	(Sun)	22:56	67	04:44	89N	11:24	291
2024	Aug	26	(Mon)	23:46	63	05:39	84N	12:26	296

2024 Aug 27 (Tue)		06:36 81N	13:27 299
2024 Aug 28 (Wed)	00:40 60	07:33 79N	14:27 300
2024 Aug 29 (Thu)	01:37 60	08:31 79N	15:23 299
2024 Aug 30 (Fri)	02:35 61	09:26 81N	16:13 297
2024 Aug 31 (Sat)	03:32 64	10:17 84N	16:58 293
2024 Sep 01 (Sun)	04:26 69	11:04 89N	17:39 289
2024 Sep 02 (Mon)	05:18 74	11:48 88S	18:15 283
2024 Sep 03 (Tue)	06:07 79	12:29 82S	18:48 278
2024 Sep 04 (Wed)	06:54 85	13:09 76S	19:20 272
2024 Sep 05 (Thu)	07:40 92	13:48 70S	19:51 265
2024 Sep 06 (Fri)	08:26 98	14:27 65S	20:23 260
2024 Sep 07 (Sat)	09:13 103	15:07 59S	20:57 254
2024 Sep 08 (Sun)	10:02 109	15:50 54S	21:34 249
2024 Sep 09 (Mon)	10:54 113	16:36 50S	22:15 245
2024 Sep 10 (Tue)	11:48 117	17:26 47S	23:01 242
2024 Sep 11 (Wed)	12:45 119	18:20 45S	23:53 240
2024 Sep 12 (Thu)	13:43 120	19:17 44S	
2024 Sep 13 (Fri)	14:40 119	20:15 46S	00:51 240
2024 Sep 14 (Sat)	15:34 116	21:13 49S	01:53 242
2024 Sep 15 (Sun)	16:24 111	22:10 54S	02:56 246
2024 Sep 16 (Mon)	17:10 105	23:04 60S	04:00 252
2024 Sep 17 (Tue)	17:54 98	23:56 68S	05:02 258
2024 Sep 18 (Wed)	18:36 90		06:04 266
2024 Sep 19 (Thu)	19:18 82	00:48 75S	07:05 274
2024 Sep 20 (Fri)	20:01 75	01:40 83S	08:07 282
2024 Sep 21 (Sat)	20:48 69	02:33 90S	09:09 289
2024 Sep 22 (Sun)	21:39 64	03:29 86N	10:14 294
2024 Sep 23 (Mon)	22:33 61	04:27 82N	11:18 298
2024 Sep 24 (Tue)	23:31 60	05:26 79N	12:20 300
2024 Sep 25 (Wed)		06:25 79N	13:19 300
2024 Sep 26 (Thu)	00:30 61	07:21 80N	14:11 298
2024 Sep 27 (Fri)	01:27 63	08:14 83N	14:58 295
2024 Sep 28 (Sat)	02:22 67	09:03 87N	15:39 290
2024 Sep 29 (Sun)	03:14 72	09:47 90S	16:16 285
2024 Sep 30 (Mon)	04:04 78	10:29 84S	16:50 279
2024 Oct 01 (Tue)	04:51 83	11:09 78S	17:22 274
2024 Oct 02 (Wed)	05:37 90	11:47 72S	17:54 267
2024 Oct 03 (Thu)	06:23 96	12:26 67S	18:25 261
2024 Oct 04 (Fri)	07:10 102	13:06 61S	18:58 256
2024 Oct 05 (Sat)	07:59 107	13:48 56S	19:34 251
2024 Oct 06 (Sun)	08:49 112	14:33 51S	20:14 246
2024 Oct 07 (Mon)	09:43 116	15:21 48S	20:58 243
2024 Oct 08 (Tue)	10:38 119	16:13 45S	21:47 240
2024 Oct 09 (Wed)	11:34 120	17:08 44S	22:41 240
2024 Oct 10 (Thu)	12:30 120	18:04 45S	23:40 241
2024 Oct 11 (Fri)	13:23 118	19:01 48S	
2024 Oct 12 (Sat)	14:13 114	19:56 52S	00:41 244
2024 Oct 13 (Sun)	15:00 108	20:49 57S	01:42 249
2024 Oct 14 (Mon)	15:43 102	21:41 64S	02:43 255
2024 Oct 15 (Tue)	16:25 94	22:32 71S	03:43 262
2024 Oct 16 (Wed)	17:07 86	23:23 79S	04:44 270
2024 Oct 17 (Thu)	17:50 79		05:45 278
2024 Oct 18 (Fri)	18:35 72	00:16 86S	06:48 285
2024 Oct 19 (Sat)	19:26 66	01:12 89N	07:53 292
2024 Oct 20 (Sun)	20:20 62	02:11 83N	09:00 296
2024 Oct 21 (Mon)	21:19 60	03:12 80N	10:05 299
2024 Oct 22 (Tue)	22:19 60	04:13 79N	11:08 300
2024 Oct 23 (Wed)	23:19 62	05:13 80N	12:05 299
2024 Oct 24 (Thu)		06:08 82N	12:55 296
2024 Oct 25 (Fri)	00:16 66	06:59 86N	13:38 292
2024 Oct 26 (Sat)	01:10 70	07:45 90N	14:17 287
2024 Oct 27 (Sun)	02:00 76	08:28 86S	14:52 281
2024 Oct 28 (Mon)	02:48 81	09:08 80S	15:24 275
2024 Oct 29 (Tue)	03:35 88	09:47 74S	15:56 269
2024 Oct 30 (Wed)	04:21 94	10:26 69S	16:27 263
2024 Oct 31 (Thu)	05:07 100	11:05 63S	17:00 258
2024 Nov 01 (Fri)	05:55 105	11:47 57S	17:35 252
2024 Nov 02 (Sat)	06:45 110	12:31 53S	18:13 247
2024 Nov 03 (Sun)	07:38 115	13:18 49S	18:56 244
2024 Nov 04 (Mon)	08:33 118	14:09 46S	19:44 241
2024 Nov 05 (Tue)	09:29 120	15:03 45S	20:37 240
2024 Nov 06 (Wed)	10:25 120	15:59 45S	21:34 241

2024 Nov 07 (Thu)	11:19 118	16:55 47S	22:33 243
2024 Nov 08 (Fri)	12:08 115	17:49 50S	23:32 247
2024 Nov 09 (Sat)	12:54 110	18:41 55S	
2024 Nov 10 (Sun)	13:37 104	19:31 61S	00:31 252
2024 Nov 11 (Mon)	14:18 97	20:20 68S	01:29 259
2024 Nov 12 (Tue)	14:58 90	21:09 75S	02:27 266
2024 Nov 13 (Wed)	15:39 83	22:00 83S	03:26 274
2024 Nov 14 (Thu)	16:22 75	22:53 89S	04:26 281
2024 Nov 15 (Fri)	17:10 69	23:50 86N	05:29 288
2024 Nov 16 (Sat)	18:02 64		06:35 294
2024 Nov 17 (Sun)	19:00 61	00:51 82N	07:43 298
2024 Nov 18 (Mon)	20:02 60	01:54 79N	08:49 300
2024 Nov 19 (Tue)	21:04 61	02:57 79N	09:50 299
2024 Nov 20 (Wed)	22:05 64	03:56 81N	10:45 297
2024 Nov 21 (Thu)	23:01 69	04:50 84N	11:33 293
2024 Nov 22 (Fri)	23:54 74	05:40 88N	12:14 289
2024 Nov 23 (Sat)		06:24 88S	12:51 283
2024 Nov 24 (Sun)	00:43 79	07:06 82S	13:24 277
2024 Nov 25 (Mon)	01:30 85	07:45 76S	13:56 271
2024 Nov 26 (Tue)	02:16 92	08:24 70S	14:28 265
2024 Nov 27 (Wed)	03:03 98	09:03 65S	15:00 260
2024 Nov 28 (Thu)	03:50 103	09:44 59S	15:34 254
2024 Nov 29 (Fri)	04:40 109	10:27 54S	16:11 249
2024 Nov 30 (Sat)	05:32 113	11:14 50S	16:53 245
2024 Dec 01 (Sun)	06:27 117	12:04 47S	17:40 242
2024 Dec 02 (Mon)	07:23 119	12:58 45S	18:32 240
2024 Dec 03 (Tue)	08:20 120	13:54 45S	19:28 240
2024 Dec 04 (Wed)	09:15 119	14:50 46S	20:27 242
2024 Dec 05 (Thu)	10:06 116	15:45 49S	21:27 246
2024 Dec 06 (Fri)	10:53 112	16:38 54S	22:26 251
2024 Dec 07 (Sat)	11:36 106	17:28 59S	23:23 257
2024 Dec 08 (Sun)	12:16 100	18:16 66S	
2024 Dec 09 (Mon)	12:55 93	19:03 73S	00:19 264
2024 Dec 10 (Tue)	13:34 85	19:51 80S	01:16 271
2024 Dec 11 (Wed)	14:14 78	20:41 87S	02:13 278
2024 Dec 12 (Thu)	14:58 72	21:35 89N	03:12 285
2024 Dec 13 (Fri)	15:47 66	22:32 84N	04:15 291
2024 Dec 14 (Sat)	16:42 62	23:34 80N	05:21 296
2024 Dec 15 (Sun)	17:42 60		06:27 299
2024 Dec 16 (Mon)	18:45 61	00:37 79N	07:31 300
2024 Dec 17 (Tue)	19:47 63	01:38 80N	08:30 298
2024 Dec 18 (Wed)	20:47 67	02:36 83N	09:22 295
2024 Dec 19 (Thu)	21:43 72	03:29 87N	10:07 291
2024 Dec 20 (Fri)	22:35 77	04:17 90S	10:47 285
2024 Dec 21 (Sat)	23:23 83	05:00 84S	11:22 280
2024 Dec 22 (Sun)		05:41 79S	11:55 274
2024 Dec 23 (Mon)	00:10 89	06:20 73S	12:27 268
2024 Dec 24 (Tue)	00:56 95	06:59 67S	12:59 262
2024 Dec 25 (Wed)	01:43 101	07:39 61S	13:32 256
2024 Dec 26 (Thu)	02:32 107	08:21 56S	14:08 251
2024 Dec 27 (Fri)	03:23 112	09:06 51S	14:48 246
2024 Dec 28 (Sat)	04:16 116	09:55 48S	15:32 243
2024 Dec 29 (Sun)	05:13 119	10:48 45S	16:23 241
2024 Dec 30 (Mon)	06:10 120	11:45 45S	17:19 240
2024 Dec 31 (Tue)	07:07 119	12:42 45S	18:18 241