

Sun

Nakhon Ratchasima
Location: E102°11'20.3", N14°59'09.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m °	h m °		h m
2024	Jan	01 (Mon)	05:47	06:37	114	12:14 53S	17:52	246	18:42
2024	Jan	02 (Tue)	05:47	06:37	114	12:15 53S	17:53	246	18:43
2024	Jan	03 (Wed)	05:48	06:37	114	12:15 53S	17:53	247	18:43
2024	Jan	04 (Thu)	05:48	06:38	113	12:16 53S	17:54	247	18:44
2024	Jan	05 (Fri)	05:48	06:38	113	12:16 53S	17:55	247	18:44
2024	Jan	06 (Sat)	05:49	06:38	113	12:17 53S	17:55	247	18:45
2024	Jan	07 (Sun)	05:49	06:39	113	12:17 53S	17:56	247	18:45
2024	Jan	08 (Mon)	05:49	06:39	113	12:18 53S	17:56	247	18:46
2024	Jan	09 (Tue)	05:50	06:39	113	12:18 54S	17:57	247	18:47
2024	Jan	10 (Wed)	05:50	06:40	113	12:18 54S	17:57	247	18:47
2024	Jan	11 (Thu)	05:50	06:40	112	12:19 54S	17:58	248	18:48
2024	Jan	12 (Fri)	05:50	06:40	112	12:19 54S	17:59	248	18:48
2024	Jan	13 (Sat)	05:51	06:40	112	12:20 54S	17:59	248	18:49
2024	Jan	14 (Sun)	05:51	06:40	112	12:20 54S	18:00	248	18:49
2024	Jan	15 (Mon)	05:51	06:40	112	12:20 55S	18:00	248	18:50
2024	Jan	16 (Tue)	05:51	06:41	112	12:21 55S	18:01	248	18:50
2024	Jan	17 (Wed)	05:52	06:41	111	12:21 55S	18:02	249	18:51
2024	Jan	18 (Thu)	05:52	06:41	111	12:21 55S	18:02	249	18:51
2024	Jan	19 (Fri)	05:52	06:41	111	12:22 55S	18:03	249	18:52
2024	Jan	20 (Sat)	05:52	06:41	111	12:22 55S	18:03	249	18:52
2024	Jan	21 (Sun)	05:52	06:41	111	12:22 56S	18:04	250	18:53
2024	Jan	22 (Mon)	05:52	06:41	110	12:23 56S	18:04	250	18:53
2024	Jan	23 (Tue)	05:52	06:41	110	12:23 56S	18:05	250	18:54
2024	Jan	24 (Wed)	05:52	06:41	110	12:23 56S	18:05	250	18:54
2024	Jan	25 (Thu)	05:52	06:41	110	12:23 57S	18:06	251	18:55
2024	Jan	26 (Fri)	05:52	06:41	109	12:24 57S	18:06	251	18:55
2024	Jan	27 (Sat)	05:52	06:41	109	12:24 57S	18:07	251	18:55
2024	Jan	28 (Sun)	05:52	06:41	109	12:24 57S	18:07	251	18:56
2024	Jan	29 (Mon)	05:52	06:41	109	12:24 58S	18:08	252	18:56
2024	Jan	30 (Tue)	05:52	06:40	108	12:24 58S	18:08	252	18:57
2024	Jan	31 (Wed)	05:52	06:40	108	12:25 58S	18:09	252	18:57
2024	Feb	01 (Thu)	05:52	06:40	108	12:25 58S	18:09	252	18:58
2024	Feb	02 (Fri)	05:52	06:40	107	12:25 59S	18:10	253	18:58
2024	Feb	03 (Sat)	05:52	06:40	107	12:25 59S	18:10	253	18:58
2024	Feb	04 (Sun)	05:52	06:40	107	12:25 59S	18:11	253	18:59
2024	Feb	05 (Mon)	05:51	06:39	107	12:25 60S	18:11	254	18:59
2024	Feb	06 (Tue)	05:51	06:39	106	12:25 60S	18:12	254	18:59
2024	Feb	07 (Wed)	05:51	06:39	106	12:25 60S	18:12	254	19:00
2024	Feb	08 (Thu)	05:51	06:38	106	12:25 61S	18:12	255	19:00
2024	Feb	09 (Fri)	05:51	06:38	105	12:25 61S	18:13	255	19:00
2024	Feb	10 (Sat)	05:50	06:38	105	12:25 61S	18:13	255	19:01
2024	Feb	11 (Sun)	05:50	06:37	105	12:25 62S	18:14	256	19:01
2024	Feb	12 (Mon)	05:50	06:37	104	12:25 62S	18:14	256	19:01
2024	Feb	13 (Tue)	05:49	06:37	104	12:25 62S	18:14	256	19:02
2024	Feb	14 (Wed)	05:49	06:36	104	12:25 63S	18:15	257	19:02
2024	Feb	15 (Thu)	05:49	06:36	103	12:25 63S	18:15	257	19:02
2024	Feb	16 (Fri)	05:48	06:36	103	12:25 63S	18:15	257	19:02
2024	Feb	17 (Sat)	05:48	06:35	102	12:25 64S	18:16	258	19:03
2024	Feb	18 (Sun)	05:48	06:35	102	12:25 64S	18:16	258	19:03
2024	Feb	19 (Mon)	05:47	06:34	102	12:25 64S	18:16	258	19:03
2024	Feb	20 (Tue)	05:47	06:34	101	12:25 65S	18:17	259	19:03
2024	Feb	21 (Wed)	05:46	06:33	101	12:25 65S	18:17	259	19:04
2024	Feb	22 (Thu)	05:46	06:33	101	12:25 65S	18:17	260	19:04
2024	Feb	23 (Fri)	05:45	06:32	100	12:25 66S	18:17	260	19:04
2024	Feb	24 (Sat)	05:45	06:32	100	12:25 66S	18:18	260	19:04
2024	Feb	25 (Sun)	05:44	06:31	99	12:24 66S	18:18	261	19:05
2024	Feb	26 (Mon)	05:44	06:30	99	12:24 67S	18:18	261	19:05
2024	Feb	27 (Tue)	05:43	06:30	99	12:24 67S	18:18	261	19:05
2024	Feb	28 (Wed)	05:43	06:29	98	12:24 68S	18:19	262	19:05
2024	Feb	29 (Thu)	05:42	06:29	98	12:24 68S	18:19	262	19:05

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

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

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

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

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

Sun

Nakhon Ratchasima
Location: E102°11'20.3", N14°59'09.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin Civil Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2024	Jan	01	(Mon)	06:13	06:37	114	12:14	53S	17:52	246	18:15
2024	Jan	02	(Tue)	06:14	06:37	114	12:15	53S	17:53	246	18:16
2024	Jan	03	(Wed)	06:14	06:37	114	12:15	53S	17:53	247	18:17
2024	Jan	04	(Thu)	06:15	06:38	113	12:16	53S	17:54	247	18:17
2024	Jan	05	(Fri)	06:15	06:38	113	12:16	53S	17:55	247	18:18
2024	Jan	06	(Sat)	06:15	06:38	113	12:17	53S	17:55	247	18:18
2024	Jan	07	(Sun)	06:16	06:39	113	12:17	53S	17:56	247	18:19
2024	Jan	08	(Mon)	06:16	06:39	113	12:18	53S	17:56	247	18:19
2024	Jan	09	(Tue)	06:16	06:39	113	12:18	54S	17:57	247	18:20
2024	Jan	10	(Wed)	06:16	06:40	113	12:18	54S	17:57	247	18:21
2024	Jan	11	(Thu)	06:17	06:40	112	12:19	54S	17:58	248	18:21
2024	Jan	12	(Fri)	06:17	06:40	112	12:19	54S	17:59	248	18:22
2024	Jan	13	(Sat)	06:17	06:40	112	12:20	54S	17:59	248	18:22
2024	Jan	14	(Sun)	06:17	06:40	112	12:20	54S	18:00	248	18:23
2024	Jan	15	(Mon)	06:18	06:40	112	12:20	55S	18:00	248	18:23
2024	Jan	16	(Tue)	06:18	06:41	112	12:21	55S	18:01	248	18:24
2024	Jan	17	(Wed)	06:18	06:41	111	12:21	55S	18:02	249	18:24
2024	Jan	18	(Thu)	06:18	06:41	111	12:21	55S	18:02	249	18:25
2024	Jan	19	(Fri)	06:18	06:41	111	12:22	55S	18:03	249	18:25
2024	Jan	20	(Sat)	06:18	06:41	111	12:22	55S	18:03	249	18:26
2024	Jan	21	(Sun)	06:18	06:41	111	12:22	56S	18:04	250	18:26
2024	Jan	22	(Mon)	06:18	06:41	110	12:23	56S	18:04	250	18:27
2024	Jan	23	(Tue)	06:18	06:41	110	12:23	56S	18:05	250	18:28
2024	Jan	24	(Wed)	06:18	06:41	110	12:23	56S	18:05	250	18:28
2024	Jan	25	(Thu)	06:18	06:41	110	12:23	57S	18:06	251	18:29
2024	Jan	26	(Fri)	06:18	06:41	109	12:24	57S	18:06	251	18:29
2024	Jan	27	(Sat)	06:18	06:41	109	12:24	57S	18:07	251	18:29
2024	Jan	28	(Sun)	06:18	06:41	109	12:24	57S	18:07	251	18:30
2024	Jan	29	(Mon)	06:18	06:41	109	12:24	58S	18:08	252	18:30
2024	Jan	30	(Tue)	06:18	06:40	108	12:24	58S	18:08	252	18:31
2024	Jan	31	(Wed)	06:18	06:40	108	12:25	58S	18:09	252	18:31
2024	Feb	01	(Thu)	06:18	06:40	108	12:25	58S	18:09	252	18:32
2024	Feb	02	(Fri)	06:18	06:40	107	12:25	59S	18:10	253	18:32
2024	Feb	03	(Sat)	06:17	06:40	107	12:25	59S	18:10	253	18:33
2024	Feb	04	(Sun)	06:17	06:40	107	12:25	59S	18:11	253	18:33
2024	Feb	05	(Mon)	06:17	06:39	107	12:25	60S	18:11	254	18:33
2024	Feb	06	(Tue)	06:17	06:39	106	12:25	60S	18:12	254	18:34
2024	Feb	07	(Wed)	06:17	06:39	106	12:25	60S	18:12	254	18:34
2024	Feb	08	(Thu)	06:16	06:38	106	12:25	61S	18:12	255	18:35
2024	Feb	09	(Fri)	06:16	06:38	105	12:25	61S	18:13	255	18:35
2024	Feb	10	(Sat)	06:16	06:38	105	12:25	61S	18:13	255	18:35

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

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

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

2024	Sep	14	(Sat)	05:38	06:00	86	12:07	79S	18:13	273	18:35
2024	Sep	15	(Sun)	05:38	06:00	87	12:06	79S	18:13	273	18:34
2024	Sep	16	(Mon)	05:39	06:00	87	12:06	78S	18:12	273	18:33
2024	Sep	17	(Tue)	05:39	06:00	88	12:06	78S	18:11	272	18:33
2024	Sep	18	(Wed)	05:39	06:00	88	12:05	77S	18:10	272	18:32
2024	Sep	19	(Thu)	05:39	06:00	88	12:05	77S	18:10	271	18:31
2024	Sep	20	(Fri)	05:39	06:00	89	12:05	77S	18:09	271	18:30
2024	Sep	21	(Sat)	05:39	06:00	89	12:04	76S	18:08	271	18:29
2024	Sep	22	(Sun)	05:39	06:00	90	12:04	76S	18:07	270	18:29
2024	Sep	23	(Mon)	05:39	06:00	90	12:04	75S	18:06	270	18:28
2024	Sep	24	(Tue)	05:39	06:00	90	12:03	75S	18:06	269	18:27
2024	Sep	25	(Wed)	05:39	06:00	91	12:03	75S	18:05	269	18:26
2024	Sep	26	(Thu)	05:39	06:01	91	12:02	74S	18:04	269	18:26
2024	Sep	27	(Fri)	05:39	06:01	92	12:02	74S	18:03	268	18:25
2024	Sep	28	(Sat)	05:39	06:01	92	12:02	74S	18:03	268	18:24
2024	Sep	29	(Sun)	05:39	06:01	92	12:01	73S	18:02	267	18:23
2024	Sep	30	(Mon)	05:39	06:01	93	12:01	73S	18:01	267	18:23
2024	Oct	01	(Tue)	05:40	06:01	93	12:01	72S	18:00	267	18:22
2024	Oct	02	(Wed)	05:40	06:01	94	12:01	72S	18:00	266	18:21
2024	Oct	03	(Thu)	05:40	06:01	94	12:00	72S	17:59	266	18:20
2024	Oct	04	(Fri)	05:40	06:01	94	12:00	71S	17:58	265	18:20
2024	Oct	05	(Sat)	05:40	06:01	95	12:00	71S	17:58	265	18:19
2024	Oct	06	(Sun)	05:40	06:02	95	11:59	70S	17:57	265	18:18
2024	Oct	07	(Mon)	05:40	06:02	96	11:59	70S	17:56	264	18:18
2024	Oct	08	(Tue)	05:40	06:02	96	11:59	70S	17:55	264	18:17
2024	Oct	09	(Wed)	05:40	06:02	96	11:58	69S	17:55	263	18:16
2024	Oct	10	(Thu)	05:41	06:02	97	11:58	69S	17:54	263	18:16
2024	Oct	11	(Fri)	05:41	06:02	97	11:58	69S	17:53	263	18:15
2024	Oct	12	(Sat)	05:41	06:02	98	11:58	68S	17:53	262	18:14
2024	Oct	13	(Sun)	05:41	06:02	98	11:57	68S	17:52	262	18:14
2024	Oct	14	(Mon)	05:41	06:03	98	11:57	67S	17:52	262	18:13
2024	Oct	15	(Tue)	05:41	06:03	99	11:57	67S	17:51	261	18:13
2024	Oct	16	(Wed)	05:41	06:03	99	11:57	67S	17:50	261	18:12
2024	Oct	17	(Thu)	05:42	06:03	99	11:57	66S	17:50	260	18:11
2024	Oct	18	(Fri)	05:42	06:03	100	11:56	66S	17:49	260	18:11
2024	Oct	19	(Sat)	05:42	06:04	100	11:56	66S	17:49	260	18:10
2024	Oct	20	(Sun)	05:42	06:04	101	11:56	65S	17:48	259	18:10
2024	Oct	21	(Mon)	05:42	06:04	101	11:56	65S	17:47	259	18:09
2024	Oct	22	(Tue)	05:43	06:04	101	11:56	65S	17:47	259	18:09
2024	Oct	23	(Wed)	05:43	06:05	102	11:56	64S	17:46	258	18:08
2024	Oct	24	(Thu)	05:43	06:05	102	11:55	64S	17:46	258	18:08
2024	Oct	25	(Fri)	05:43	06:05	102	11:55	63S	17:45	257	18:07
2024	Oct	26	(Sat)	05:43	06:05	103	11:55	63S	17:45	257	18:07
2024	Oct	27	(Sun)	05:44	06:06	103	11:55	63S	17:44	257	18:06
2024	Oct	28	(Mon)	05:44	06:06	103	11:55	62S	17:44	256	18:06
2024	Oct	29	(Tue)	05:44	06:06	104	11:55	62S	17:44	256	18:05
2024	Oct	30	(Wed)	05:44	06:06	104	11:55	62S	17:43	256	18:05
2024	Oct	31	(Thu)	05:45	06:07	104	11:55	61S	17:43	255	18:05
2024	Nov	01	(Fri)	05:45	06:07	105	11:55	61S	17:42	255	18:04
2024	Nov	02	(Sat)	05:45	06:07	105	11:55	61S	17:42	255	18:04
2024	Nov	03	(Sun)	05:46	06:08	105	11:55	61S	17:42	254	18:04
2024	Nov	04	(Mon)	05:46	06:08	106	11:55	60S	17:41	254	18:03
2024	Nov	05	(Tue)	05:46	06:09	106	11:55	60S	17:41	254	18:03
2024	Nov	06	(Wed)	05:47	06:09	106	11:55	60S	17:41	253	18:03
2024	Nov	07	(Thu)	05:47	06:09	107	11:55	59S	17:40	253	18:03
2024	Nov	08	(Fri)	05:47	06:10	107	11:55	59S	17:40	253	18:02
2024	Nov	09	(Sat)	05:48	06:10	107	11:55	59S	17:40	253	18:02
2024	Nov	10	(Sun)	05:48	06:11	108	11:55	58S	17:40	252	18:02
2024	Nov	11	(Mon)	05:49	06:11	108	11:55	58S	17:39	252	18:02
2024	Nov	12	(Tue)	05:49	06:11	108	11:55	58S	17:39	252	18:02
2024	Nov	13	(Wed)	05:49	06:12	108	11:56	58S	17:39	251	18:02
2024	Nov	14	(Thu)	05:50	06:12	109	11:56	57S	17:39	251	18:01
2024	Nov	15	(Fri)	05:50	06:13	109	11:56	57S	17:39	251	18:01
2024	Nov	16	(Sat)	05:51	06:13	109	11:56	57S	17:39	251	18:01
2024	Nov	17	(Sun)	05:51	06:14	110	11:56	57S	17:39	250	18:01
2024	Nov	18	(Mon)	05:52	06:14	110	11:56	56S	17:39	250	18:01
2024	Nov	19	(Tue)	05:52	06:15	110	11:57	56S	17:38	250	18:01
2024	Nov	20	(Wed)	05:53	06:15	110	11:57	56S	17:38	250	18:01
2024	Nov	21	(Thu)	05:53	06:16	110	11:57	56S	17:38	249	18:01
2024	Nov	22	(Fri)	05:53	06:16	111	11:57	55S	17:38	249	18:01
2024	Nov	23	(Sat)	05:54	06:17	111	11:58	55S	17:38	249	18:01
2024	Nov	24	(Sun)	05:54	06:17	111	11:58	55S	17:39	249	18:01

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

Moon

Nakhon Ratchasima
Location: E102°11'20.3", N14°59'09.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2024 Jan 01 (Mon)	22:23	80		04:02	89S		10:25	282	
2024 Jan 02 (Tue)	23:08	86		04:43	83S		10:59	277	
2024 Jan 03 (Wed)	23:54	92		05:22	78S		11:32	271	
2024 Jan 04 (Thu)				06:01	72S		12:05	265	
2024 Jan 05 (Fri)	00:40	98		06:41	66S		12:39	259	
2024 Jan 06 (Sat)	01:29	104		07:24	60S		13:17	253	
2024 Jan 07 (Sun)	02:21	109		08:11	55S		13:58	248	
2024 Jan 08 (Mon)	03:17	114		09:02	51S		14:46	244	
2024 Jan 09 (Tue)	04:17	117		10:00	48S		15:41	242	
2024 Jan 10 (Wed)	05:20	119		11:01	47S		16:42	241	
2024 Jan 11 (Thu)	06:23	119		12:05	48S		17:47	242	
2024 Jan 12 (Fri)	07:23	116		13:08	51S		18:54	246	
2024 Jan 13 (Sat)	08:18	112		14:07	55S		19:59	251	
2024 Jan 14 (Sun)	09:07	106		15:03	61S		21:01	257	
2024 Jan 15 (Mon)	09:52	99		15:54	68S		22:00	264	
2024 Jan 16 (Tue)	10:34	92		16:43	75S		22:56	272	
2024 Jan 17 (Wed)	11:14	85		17:31	82S		23:51	279	
2024 Jan 18 (Thu)	11:54	78		18:19	89S				
2024 Jan 19 (Fri)	12:36	72		19:08	87N		00:47	285	
2024 Jan 20 (Sat)	13:21	67		20:00	82N		01:43	291	
2024 Jan 21 (Sun)	14:10	63		20:53	79N		02:41	295	
2024 Jan 22 (Mon)	15:02	61		21:49	77N		03:39	298	
2024 Jan 23 (Tue)	15:56	61		22:44	77N		04:36	299	

2024	Jan	24	(Wed)	16:52	62	23:37	79N	05:30	299
2024	Jan	25	(Thu)	17:47	65			06:21	297
2024	Jan	26	(Fri)	18:40	68	00:28	82N	07:06	294
2024	Jan	27	(Sat)	19:30	73	01:15	86N	07:47	289
2024	Jan	28	(Sun)	20:17	78	01:58	91N	08:24	284
2024	Jan	29	(Mon)	21:03	84	02:40	85S	08:58	279
2024	Jan	30	(Tue)	21:49	90	03:19	80S	09:31	273
2024	Jan	31	(Wed)	22:34	96	03:58	74S	10:04	267
2024	Feb	01	(Thu)	23:21	102	04:37	68S	10:37	261
2024	Feb	02	(Fri)			05:18	62S	11:12	255
2024	Feb	03	(Sat)	00:10	107	06:02	57S	11:51	250
2024	Feb	04	(Sun)	01:03	112	06:50	53S	12:35	246
2024	Feb	05	(Mon)	02:00	116	07:43	49S	13:25	242
2024	Feb	06	(Tue)	03:00	119	08:41	47S	14:21	241
2024	Feb	07	(Wed)	04:03	119	09:43	47S	15:24	241
2024	Feb	08	(Thu)	05:04	118	10:46	49S	16:30	243
2024	Feb	09	(Fri)	06:02	114	11:48	53S	17:37	248
2024	Feb	10	(Sat)	06:54	109	12:47	58S	18:42	254
2024	Feb	11	(Sun)	07:42	102	13:41	65S	19:44	261
2024	Feb	12	(Mon)	08:27	95	14:33	72S	20:44	269
2024	Feb	13	(Tue)	09:09	88	15:23	80S	21:42	276
2024	Feb	14	(Wed)	09:51	80	16:13	87S	22:39	283
2024	Feb	15	(Thu)	10:33	74	17:03	89N	23:37	289
2024	Feb	16	(Fri)	11:18	68	17:55	83N		
2024	Feb	17	(Sat)	12:07	64	18:49	80N	00:35	294
2024	Feb	18	(Sun)	12:58	62	19:44	78N	01:34	297
2024	Feb	19	(Mon)	13:52	61	20:39	77N	02:32	299
2024	Feb	20	(Tue)	14:47	61	21:33	78N	03:27	299
2024	Feb	21	(Wed)	15:42	63	22:24	81N	04:18	298
2024	Feb	22	(Thu)	16:35	67	23:12	84N	05:04	295
2024	Feb	23	(Fri)	17:25	71	23:56	89N	05:46	291
2024	Feb	24	(Sat)	18:14	77			06:24	286
2024	Feb	25	(Sun)	19:00	82	00:38	87S	06:59	281
2024	Feb	26	(Mon)	19:46	88	01:18	82S	07:32	275
2024	Feb	27	(Tue)	20:31	94	01:57	76S	08:05	269
2024	Feb	28	(Wed)	21:17	100	02:36	70S	08:38	263
2024	Feb	29	(Thu)	22:05	106	03:16	64S	09:12	257
2024	Mar	01	(Fri)	22:56	111	03:58	59S	09:49	252
2024	Mar	02	(Sat)	23:50	115	04:44	54S	10:30	247
2024	Mar	03	(Sun)			05:34	50S	11:16	243
2024	Mar	04	(Mon)	00:47	118	06:28	48S	12:08	241
2024	Mar	05	(Tue)	01:47	120	07:26	47S	13:06	240
2024	Mar	06	(Wed)	02:47	119	08:27	47S	14:09	242
2024	Mar	07	(Thu)	03:45	117	09:28	50S	15:14	245
2024	Mar	08	(Fri)	04:39	112	10:27	55S	16:19	250
2024	Mar	09	(Sat)	05:28	106	11:24	61S	17:22	257
2024	Mar	10	(Sun)	06:15	99	12:17	68S	18:24	265
2024	Mar	11	(Mon)	06:58	92	13:09	76S	19:24	272
2024	Mar	12	(Tue)	07:41	84	14:00	83S	20:23	280
2024	Mar	13	(Wed)	08:25	77	14:52	90S	21:23	287
2024	Mar	14	(Thu)	09:11	70	15:45	85N	22:24	292
2024	Mar	15	(Fri)	09:59	65	16:41	81N	23:25	297
2024	Mar	16	(Sat)	10:51	62	17:37	78N		
2024	Mar	17	(Sun)	11:46	61	18:34	77N	00:25	299
2024	Mar	18	(Mon)	12:41	61	19:29	78N	01:22	300
2024	Mar	19	(Tue)	13:37	62	20:21	80N	02:15	299
2024	Mar	20	(Wed)	14:31	66	21:10	83N	03:03	296
2024	Mar	21	(Thu)	15:22	70	21:55	87N	03:46	292
2024	Mar	22	(Fri)	16:11	75	22:37	89S	04:25	288
2024	Mar	23	(Sat)	16:58	80	23:17	84S	05:00	282
2024	Mar	24	(Sun)	17:43	86	23:56	78S	05:34	277
2024	Mar	25	(Mon)	18:28	92			06:07	271
2024	Mar	26	(Tue)	19:14	98	00:35	72S	06:39	265
2024	Mar	27	(Wed)	20:02	104	01:15	66S	07:13	259
2024	Mar	28	(Thu)	20:52	109	01:57	60S	07:49	253
2024	Mar	29	(Fri)	21:45	114	02:41	55S	08:28	248
2024	Mar	30	(Sat)	22:40	117	03:30	51S	09:12	244
2024	Mar	31	(Sun)	23:38	119	04:22	48S	10:02	242
2024	Apr	01	(Mon)			05:18	47S	10:57	240
2024	Apr	02	(Tue)	00:37	120	06:16	47S	11:56	241
2024	Apr	03	(Wed)	01:34	118	07:15	49S	12:59	243
2024	Apr	04	(Thu)	02:27	114	08:13	53S	14:01	248

2024 Apr 05 (Fri)	03:17 109	09:09 58S	15:03 254
2024 Apr 06 (Sat)	04:03 103	10:02 64S	16:04 261
2024 Apr 07 (Sun)	04:47 96	10:53 72S	17:03 268
2024 Apr 08 (Mon)	05:30 88	11:44 79S	18:03 276
2024 Apr 09 (Tue)	06:13 80	12:36 87S	19:03 283
2024 Apr 10 (Wed)	06:58 73	13:30 88N	20:05 290
2024 Apr 11 (Thu)	07:47 68	14:25 83N	21:07 295
2024 Apr 12 (Fri)	08:39 63	15:23 79N	22:10 298
2024 Apr 13 (Sat)	09:34 61	16:22 77N	23:11 300
2024 Apr 14 (Sun)	10:31 60	17:20 77N	
2024 Apr 15 (Mon)	11:29 62	18:14 79N	00:07 299
2024 Apr 16 (Tue)	12:24 64	19:05 82N	00:58 297
2024 Apr 17 (Wed)	13:17 68	19:52 86N	01:44 294
2024 Apr 18 (Thu)	14:07 73	20:35 91N	02:24 289
2024 Apr 19 (Fri)	14:54 78	21:16 85S	03:01 284
2024 Apr 20 (Sat)	15:40 84	21:56 80S	03:35 279
2024 Apr 21 (Sun)	16:25 90	22:34 74S	04:08 273
2024 Apr 22 (Mon)	17:11 96	23:14 68S	04:40 267
2024 Apr 23 (Tue)	17:58 102	23:55 62S	05:14 261
2024 Apr 24 (Wed)	18:48 108		05:49 255
2024 Apr 25 (Thu)	19:40 113	00:39 57S	06:28 250
2024 Apr 26 (Fri)	20:35 116	01:26 53S	07:11 246
2024 Apr 27 (Sat)	21:33 119	02:18 49S	07:59 242
2024 Apr 28 (Sun)	22:32 120	03:13 47S	08:52 241
2024 Apr 29 (Mon)	23:29 119	04:11 47S	09:50 241
2024 Apr 30 (Tue)		05:09 48S	10:51 242
2024 May 01 (Wed)	00:22 116	06:06 51S	11:52 246
2024 May 02 (Thu)	01:12 111	07:01 56S	12:53 251
2024 May 03 (Fri)	01:58 106	07:53 62S	13:51 258
2024 May 04 (Sat)	02:41 99	08:43 69S	14:49 265
2024 May 05 (Sun)	03:22 91	09:32 76S	15:46 272
2024 May 06 (Mon)	04:04 84	10:22 83S	16:45 280
2024 May 07 (Tue)	04:47 77	11:14 90S	17:45 287
2024 May 08 (Wed)	05:33 71	12:08 85N	18:47 292
2024 May 09 (Thu)	06:24 65	13:06 81N	19:51 297
2024 May 10 (Fri)	07:18 62	14:05 78N	20:54 299
2024 May 11 (Sat)	08:16 61	15:05 77N	21:54 299
2024 May 12 (Sun)	09:15 61	16:03 78N	22:49 298
2024 May 13 (Mon)	10:13 63	16:57 80N	23:38 295
2024 May 14 (Tue)	11:08 67	17:46 84N	
2024 May 15 (Wed)	12:00 71	18:31 89N	00:21 291
2024 May 16 (Thu)	12:49 76	19:13 87S	00:59 286
2024 May 17 (Fri)	13:35 82	19:53 82S	01:34 281
2024 May 18 (Sat)	14:21 88	20:32 76S	02:08 275
2024 May 19 (Sun)	15:06 94	21:11 70S	02:40 269
2024 May 20 (Mon)	15:52 100	21:52 64S	03:13 263
2024 May 21 (Tue)	16:41 106	22:35 59S	03:48 257
2024 May 22 (Wed)	17:33 111	23:21 54S	04:25 252
2024 May 23 (Thu)	18:28 115		05:07 247
2024 May 24 (Fri)	19:26 118	00:12 50S	05:54 243
2024 May 25 (Sat)	20:25 119	01:07 48S	06:47 241
2024 May 26 (Sun)	21:24 119	02:05 47S	07:44 240
2024 May 27 (Mon)	22:19 117	03:04 48S	08:45 242
2024 May 28 (Tue)	23:10 113	04:02 50S	09:47 245
2024 May 29 (Wed)	23:56 107	04:57 54S	10:47 250
2024 May 30 (Thu)		05:49 60S	11:46 256
2024 May 31 (Fri)	00:39 101	06:39 66S	12:42 262
2024 Jun 01 (Sat)	01:20 94	07:27 73S	13:38 270
2024 Jun 02 (Sun)	02:00 87	08:15 81S	14:34 277
2024 Jun 03 (Mon)	02:41 80	09:04 87S	15:31 284
2024 Jun 04 (Tue)	03:25 73	09:56 88N	16:31 290
2024 Jun 05 (Wed)	04:12 68	10:51 83N	17:33 295
2024 Jun 06 (Thu)	05:05 63	11:49 79N	18:36 298
2024 Jun 07 (Fri)	06:01 61	12:49 77N	19:38 299
2024 Jun 08 (Sat)	07:00 61	13:48 77N	20:36 299
2024 Jun 09 (Sun)	07:59 62	14:45 79N	21:28 296
2024 Jun 10 (Mon)	08:56 65	15:37 83N	22:14 293
2024 Jun 11 (Tue)	09:50 69	16:24 87N	22:55 288
2024 Jun 12 (Wed)	10:41 74	17:08 89S	23:32 283
2024 Jun 13 (Thu)	11:29 80	17:49 84S	
2024 Jun 14 (Fri)	12:15 86	18:28 78S	00:06 277
2024 Jun 15 (Sat)	13:00 92	19:07 72S	00:39 271

2024	Jun	16	(Sun)	13:45	98	19:47	66S	01:12	265
2024	Jun	17	(Mon)	14:33	104	20:29	61S	01:45	259
2024	Jun	18	(Tue)	15:23	109	21:13	56S	02:21	254
2024	Jun	19	(Wed)	16:17	114	22:02	52S	03:01	249
2024	Jun	20	(Thu)	17:14	117	22:56	48S	03:46	245
2024	Jun	21	(Fri)	18:14	119	23:54	47S	04:37	242
2024	Jun	22	(Sat)	19:14	119			05:34	241
2024	Jun	23	(Sun)	20:12	118	00:54	47S	06:35	241
2024	Jun	24	(Mon)	21:05	114	01:54	49S	07:38	244
2024	Jun	25	(Tue)	21:54	109	02:51	53S	08:40	248
2024	Jun	26	(Wed)	22:38	103	03:45	58S	09:40	254
2024	Jun	27	(Thu)	23:20	96	04:36	65S	10:38	261
2024	Jun	28	(Fri)	24:00	89	05:25	72S	11:34	268
2024	Jun	29	(Sat)			06:13	79S	12:29	275
2024	Jun	30	(Sun)	00:40	82	07:01	86S	13:25	282
2024	Jul	01	(Mon)	01:22	75	07:50	90N	14:23	288
2024	Jul	02	(Tue)	02:07	69	08:43	84N	15:23	293
2024	Jul	03	(Wed)	02:56	65	09:39	80N	16:24	297
2024	Jul	04	(Thu)	03:50	62	10:37	78N	17:25	299
2024	Jul	05	(Fri)	04:47	61	11:36	77N	18:24	299
2024	Jul	06	(Sat)	05:46	61	12:33	78N	19:19	298
2024	Jul	07	(Sun)	06:45	64	13:27	81N	20:07	294
2024	Jul	08	(Mon)	07:40	68	14:17	85N	20:50	290
2024	Jul	09	(Tue)	08:32	72	15:02	90N	21:29	285
2024	Jul	10	(Wed)	09:21	78	15:44	86S	22:04	279
2024	Jul	11	(Thu)	10:08	84	16:24	80S	22:37	273
2024	Jul	12	(Fri)	10:54	90	17:03	74S	23:10	267
2024	Jul	13	(Sat)	11:39	96	17:42	69S	23:43	262
2024	Jul	14	(Sun)	12:25	101	18:23	63S		
2024	Jul	15	(Mon)	13:13	107	19:06	58S	00:17	256
2024	Jul	16	(Tue)	14:05	112	19:52	53S	00:55	251
2024	Jul	17	(Wed)	15:00	116	20:43	50S	01:37	246
2024	Jul	18	(Thu)	15:59	119	21:39	47S	02:25	243
2024	Jul	19	(Fri)	16:59	120	22:39	47S	03:19	241
2024	Jul	20	(Sat)	17:59	119	23:40	48S	04:19	241
2024	Jul	21	(Sun)	18:55	116			05:22	242
2024	Jul	22	(Mon)	19:47	111	00:39	51S	06:26	246
2024	Jul	23	(Tue)	20:34	105	01:36	56S	07:29	252
2024	Jul	24	(Wed)	21:18	98	02:30	62S	08:30	258
2024	Jul	25	(Thu)	21:59	91	03:21	69S	09:28	266
2024	Jul	26	(Fri)	22:40	83	04:10	77S	10:24	273
2024	Jul	27	(Sat)	23:21	77	04:58	84S	11:21	280
2024	Jul	28	(Sun)			05:48	90S	12:18	287
2024	Jul	29	(Mon)	00:05	71	06:39	85N	13:17	292
2024	Jul	30	(Tue)	00:53	66	07:34	81N	14:17	296
2024	Jul	31	(Wed)	01:45	62	08:30	78N	15:18	299
2024	Aug	01	(Thu)	02:40	61	09:28	77N	16:17	300
2024	Aug	02	(Fri)	03:38	61	10:26	78N	17:12	298
2024	Aug	03	(Sat)	04:36	63	11:20	80N	18:02	296
2024	Aug	04	(Sun)	05:32	66	12:11	84N	18:47	292
2024	Aug	05	(Mon)	06:25	71	12:57	88N	19:26	287
2024	Aug	06	(Tue)	07:15	76	13:41	88S	20:03	281
2024	Aug	07	(Wed)	08:03	82	14:21	82S	20:37	275
2024	Aug	08	(Thu)	08:48	87	15:00	76S	21:09	269
2024	Aug	09	(Fri)	09:34	94	15:39	71S	21:42	264
2024	Aug	10	(Sat)	10:19	99	16:19	65S	22:15	258
2024	Aug	11	(Sun)	11:06	105	17:00	60S	22:51	252
2024	Aug	12	(Mon)	11:56	110	17:44	55S	23:31	248
2024	Aug	13	(Tue)	12:48	114	18:33	51S		
2024	Aug	14	(Wed)	13:44	118	19:25	48S	00:15	244
2024	Aug	15	(Thu)	14:43	119	20:22	47S	01:05	241
2024	Aug	16	(Fri)	15:42	119	21:22	47S	02:01	240
2024	Aug	17	(Sat)	16:40	117	22:22	49S	03:03	241
2024	Aug	18	(Sun)	17:34	114	23:21	54S	04:07	244
2024	Aug	19	(Mon)	18:24	108			05:11	249
2024	Aug	20	(Tue)	19:10	101	00:17	59S	06:13	255
2024	Aug	21	(Wed)	19:53	94	01:10	66S	07:14	262
2024	Aug	22	(Thu)	20:35	86	02:01	74S	08:13	270
2024	Aug	23	(Fri)	21:18	79	02:51	81S	09:11	278
2024	Aug	24	(Sat)	22:02	72	03:42	88S	10:10	285
2024	Aug	25	(Sun)	22:50	67	04:34	87N	11:10	291
2024	Aug	26	(Mon)	23:41	63	05:29	82N	12:11	295

2024 Aug 27 (Tue)		06:26 79N	13:13 298
2024 Aug 28 (Wed)	00:35 61	07:24 77N	14:12 300
2024 Aug 29 (Thu)	01:32 60	08:21 77N	15:08 299
2024 Aug 30 (Fri)	02:30 62	09:16 79N	15:59 297
2024 Aug 31 (Sat)	03:26 65	10:07 82N	16:45 293
2024 Sep 01 (Sun)	04:20 69	10:54 86N	17:26 289
2024 Sep 02 (Mon)	05:11 74	11:38 90S	18:03 283
2024 Sep 03 (Tue)	05:59 79	12:20 84S	18:37 278
2024 Sep 04 (Wed)	06:45 85	12:59 79S	19:10 272
2024 Sep 05 (Thu)	07:30 91	13:38 73S	19:42 266
2024 Sep 06 (Fri)	08:15 97	14:17 67S	20:15 260
2024 Sep 07 (Sat)	09:02 103	14:57 61S	20:50 254
2024 Sep 08 (Sun)	09:50 108	15:40 56S	21:28 249
2024 Sep 09 (Mon)	10:40 113	16:26 52S	22:09 245
2024 Sep 10 (Tue)	11:34 117	17:16 49S	22:56 242
2024 Sep 11 (Wed)	12:30 119	18:10 47S	23:48 240
2024 Sep 12 (Thu)	13:28 120	19:07 46S	
2024 Sep 13 (Fri)	14:25 119	20:05 48S	00:46 240
2024 Sep 14 (Sat)	15:19 116	21:04 51S	01:47 242
2024 Sep 15 (Sun)	16:11 111	22:00 56S	02:50 246
2024 Sep 16 (Mon)	16:58 105	22:54 62S	03:53 252
2024 Sep 17 (Tue)	17:43 98	23:47 70S	04:54 258
2024 Sep 18 (Wed)	18:26 90		05:55 266
2024 Sep 19 (Thu)	19:09 82	00:38 77S	06:54 274
2024 Sep 20 (Fri)	19:54 75	01:30 85S	07:55 282
2024 Sep 21 (Sat)	20:42 69	02:23 90N	08:57 288
2024 Sep 22 (Sun)	21:33 64	03:19 84N	10:00 294
2024 Sep 23 (Mon)	22:28 61	04:17 80N	11:03 298
2024 Sep 24 (Tue)	23:26 60	05:16 77N	12:05 300
2024 Sep 25 (Wed)		06:15 77N	13:04 300
2024 Sep 26 (Thu)	00:25 61	07:12 78N	13:57 298
2024 Sep 27 (Fri)	01:22 64	08:04 81N	14:44 294
2024 Sep 28 (Sat)	02:16 67	08:53 85N	15:26 290
2024 Sep 29 (Sun)	03:07 72	09:37 90N	16:04 285
2024 Sep 30 (Mon)	03:56 78	10:19 86S	16:39 279
2024 Oct 01 (Tue)	04:42 83	10:59 80S	17:12 274
2024 Oct 02 (Wed)	05:28 89	11:38 75S	17:44 268
2024 Oct 03 (Thu)	06:13 96	12:16 69S	18:17 262
2024 Oct 04 (Fri)	06:59 101	12:56 63S	18:51 256
2024 Oct 05 (Sat)	07:46 107	13:38 58S	19:27 251
2024 Oct 06 (Sun)	08:36 112	14:23 53S	20:08 246
2024 Oct 07 (Mon)	09:29 116	15:11 50S	20:52 243
2024 Oct 08 (Tue)	10:23 118	16:03 47S	21:42 241
2024 Oct 09 (Wed)	11:20 120	16:58 46S	22:36 240
2024 Oct 10 (Thu)	12:15 119	17:54 47S	23:35 241
2024 Oct 11 (Fri)	13:09 117	18:51 50S	
2024 Oct 12 (Sat)	14:00 113	19:46 54S	00:35 244
2024 Oct 13 (Sun)	14:47 108	20:40 59S	01:36 249
2024 Oct 14 (Mon)	15:32 102	21:31 66S	02:35 255
2024 Oct 15 (Tue)	16:15 94	22:22 73S	03:35 262
2024 Oct 16 (Wed)	16:57 86	23:13 81S	04:34 270
2024 Oct 17 (Thu)	17:41 79		05:34 277
2024 Oct 18 (Fri)	18:28 72	00:06 88S	06:36 285
2024 Oct 19 (Sat)	19:20 66	01:02 87N	07:40 291
2024 Oct 20 (Sun)	20:15 62	02:01 81N	08:45 296
2024 Oct 21 (Mon)	21:14 60	03:02 78N	09:51 299
2024 Oct 22 (Tue)	22:14 61	04:03 77N	10:53 300
2024 Oct 23 (Wed)	23:14 63	05:03 77N	11:50 299
2024 Oct 24 (Thu)		05:58 80N	12:41 296
2024 Oct 25 (Fri)	00:10 66	06:49 84N	13:25 292
2024 Oct 26 (Sat)	01:03 71	07:36 88N	14:04 287
2024 Oct 27 (Sun)	01:53 76	08:18 88S	14:40 281
2024 Oct 28 (Mon)	02:40 82	08:58 82S	15:14 275
2024 Oct 29 (Tue)	03:25 87	09:37 76S	15:46 269
2024 Oct 30 (Wed)	04:10 94	10:16 71S	16:18 264
2024 Oct 31 (Thu)	04:56 99	10:55 65S	16:52 258
2024 Nov 01 (Fri)	05:43 105	11:37 60S	17:28 252
2024 Nov 02 (Sat)	06:32 110	12:21 55S	18:07 248
2024 Nov 03 (Sun)	07:24 114	13:08 51S	18:51 244
2024 Nov 04 (Mon)	08:19 118	13:59 48S	19:39 241
2024 Nov 05 (Tue)	09:15 119	14:53 47S	20:32 240
2024 Nov 06 (Wed)	10:10 120	15:49 47S	21:29 241

2024 Nov 07 (Thu)	11:04 118	16:45 49S	22:27 243
2024 Nov 08 (Fri)	11:55 115	17:39 52S	23:26 247
2024 Nov 09 (Sat)	12:41 110	18:31 57S	
2024 Nov 10 (Sun)	13:25 104	19:21 63S	00:24 253
2024 Nov 11 (Mon)	14:07 97	20:11 70S	01:21 259
2024 Nov 12 (Tue)	14:48 90	21:00 77S	02:18 266
2024 Nov 13 (Wed)	15:30 83	21:50 85S	03:15 274
2024 Nov 14 (Thu)	16:15 75	22:43 90N	04:15 281
2024 Nov 15 (Fri)	17:03 69	23:40 84N	05:17 288
2024 Nov 16 (Sat)	17:57 64		06:22 294
2024 Nov 17 (Sun)	18:55 61	00:41 80N	07:28 298
2024 Nov 18 (Mon)	19:57 60	01:44 77N	08:34 299
2024 Nov 19 (Tue)	20:59 62	02:47 77N	09:36 299
2024 Nov 20 (Wed)	21:59 65	03:46 79N	10:31 297
2024 Nov 21 (Thu)	22:55 69	04:41 82N	11:19 293
2024 Nov 22 (Fri)	23:47 74	05:30 86N	12:01 289
2024 Nov 23 (Sat)		06:15 90S	12:39 283
2024 Nov 24 (Sun)	00:35 80	06:56 84S	13:14 277
2024 Nov 25 (Mon)	01:21 85	07:36 78S	13:46 272
2024 Nov 26 (Tue)	02:06 91	08:14 73S	14:19 266
2024 Nov 27 (Wed)	02:52 97	08:53 67S	14:52 260
2024 Nov 28 (Thu)	03:38 103	09:34 61S	15:27 254
2024 Nov 29 (Fri)	04:27 108	10:17 56S	16:05 249
2024 Nov 30 (Sat)	05:18 113	11:04 52S	16:47 245
2024 Dec 01 (Sun)	06:12 117	11:54 49S	17:35 242
2024 Dec 02 (Mon)	07:09 119	12:48 47S	18:27 241
2024 Dec 03 (Tue)	08:05 120	13:44 47S	19:23 241
2024 Dec 04 (Wed)	09:00 119	14:41 48S	20:22 243
2024 Dec 05 (Thu)	09:52 116	15:36 51S	21:21 246
2024 Dec 06 (Fri)	10:40 111	16:28 56S	22:19 251
2024 Dec 07 (Sat)	11:24 106	17:18 61S	23:15 257
2024 Dec 08 (Sun)	12:05 100	18:06 68S	
2024 Dec 09 (Mon)	12:45 93	18:53 75S	00:11 264
2024 Dec 10 (Tue)	13:25 85	19:41 82S	01:06 271
2024 Dec 11 (Wed)	14:06 78	20:31 89S	02:02 278
2024 Dec 12 (Thu)	14:52 72	21:25 87N	03:00 285
2024 Dec 13 (Fri)	15:41 66	22:22 82N	04:02 291
2024 Dec 14 (Sat)	16:37 63	23:24 78N	05:06 296
2024 Dec 15 (Sun)	17:37 61		06:12 299
2024 Dec 16 (Mon)	18:40 61	00:27 77N	07:16 299
2024 Dec 17 (Tue)	19:42 63	01:29 78N	08:16 298
2024 Dec 18 (Wed)	20:41 67	02:26 80N	09:08 295
2024 Dec 19 (Thu)	21:36 72	03:19 84N	09:54 291
2024 Dec 20 (Fri)	22:27 77	04:07 89N	10:35 285
2024 Dec 21 (Sat)	23:15 83	04:51 86S	11:11 280
2024 Dec 22 (Sun)		05:31 81S	11:45 274
2024 Dec 23 (Mon)	00:01 89	06:11 75S	12:17 268
2024 Dec 24 (Tue)	00:46 95	06:50 69S	12:50 262
2024 Dec 25 (Wed)	01:32 101	07:29 63S	13:24 256
2024 Dec 26 (Thu)	02:19 107	08:11 58S	14:01 251
2024 Dec 27 (Fri)	03:09 111	08:57 54S	14:42 247
2024 Dec 28 (Sat)	04:02 115	09:46 50S	15:27 243
2024 Dec 29 (Sun)	04:58 118	10:39 48S	16:18 241
2024 Dec 30 (Mon)	05:56 120	11:35 47S	17:14 240
2024 Dec 31 (Tue)	06:52 119	12:32 47S	18:13 242