

Sun

Amnat Charoen

Location: E104°33'43.1", N15°49'22.8", 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)	05:39	06:29	114	12:05 52S	17:41 246		18:31
2024	Jan	02 (Tue)	05:39	06:29	114	12:05 52S	17:42 246		18:32
2024	Jan	03 (Wed)	05:39	06:29	114	12:06 52S	17:42 246		18:32
2024	Jan	04 (Thu)	05:40	06:30	113	12:06 52S	17:43 247		18:33
2024	Jan	05 (Fri)	05:40	06:30	113	12:07 52S	17:44 247		18:34
2024	Jan	06 (Sat)	05:40	06:30	113	12:07 52S	17:44 247		18:34
2024	Jan	07 (Sun)	05:41	06:31	113	12:08 52S	17:45 247		18:35
2024	Jan	08 (Mon)	05:41	06:31	113	12:08 53S	17:45 247		18:35
2024	Jan	09 (Tue)	05:41	06:31	113	12:09 53S	17:46 247		18:36
2024	Jan	10 (Wed)	05:42	06:31	113	12:09 53S	17:47 247		18:36
2024	Jan	11 (Thu)	05:42	06:32	113	12:09 53S	17:47 248		18:37
2024	Jan	12 (Fri)	05:42	06:32	112	12:10 53S	17:48 248		18:37
2024	Jan	13 (Sat)	05:42	06:32	112	12:10 53S	17:48 248		18:38
2024	Jan	14 (Sun)	05:43	06:32	112	12:11 53S	17:49 248		18:38
2024	Jan	15 (Mon)	05:43	06:32	112	12:11 54S	17:50 248		18:39
2024	Jan	16 (Tue)	05:43	06:33	112	12:11 54S	17:50 248		18:40
2024	Jan	17 (Wed)	05:43	06:33	111	12:12 54S	17:51 249		18:40
2024	Jan	18 (Thu)	05:43	06:33	111	12:12 54S	17:51 249		18:41
2024	Jan	19 (Fri)	05:43	06:33	111	12:12 54S	17:52 249		18:41
2024	Jan	20 (Sat)	05:44	06:33	111	12:13 55S	17:52 249		18:42
2024	Jan	21 (Sun)	05:44	06:33	111	12:13 55S	17:53 249		18:42
2024	Jan	22 (Mon)	05:44	06:33	110	12:13 55S	17:54 250		18:43
2024	Jan	23 (Tue)	05:44	06:33	110	12:13 55S	17:54 250		18:43
2024	Jan	24 (Wed)	05:44	06:33	110	12:14 56S	17:55 250		18:44
2024	Jan	25 (Thu)	05:44	06:33	110	12:14 56S	17:55 250		18:44
2024	Jan	26 (Fri)	05:44	06:33	109	12:14 56S	17:56 251		18:44
2024	Jan	27 (Sat)	05:44	06:33	109	12:14 56S	17:56 251		18:45
2024	Jan	28 (Sun)	05:44	06:32	109	12:15 57S	17:57 251		18:45
2024	Jan	29 (Mon)	05:44	06:32	109	12:15 57S	17:57 252		18:46
2024	Jan	30 (Tue)	05:44	06:32	108	12:15 57S	17:58 252		18:46
2024	Jan	31 (Wed)	05:44	06:32	108	12:15 57S	17:58 252		18:47
2024	Feb	01 (Thu)	05:43	06:32	108	12:15 58S	17:59 252		18:47
2024	Feb	02 (Fri)	05:43	06:32	107	12:15 58S	17:59 253		18:48
2024	Feb	03 (Sat)	05:43	06:31	107	12:15 58S	18:00 253		18:48
2024	Feb	04 (Sun)	05:43	06:31	107	12:16 59S	18:00 253		18:48
2024	Feb	05 (Mon)	05:43	06:31	107	12:16 59S	18:01 254		18:49
2024	Feb	06 (Tue)	05:43	06:31	106	12:16 59S	18:01 254		18:49
2024	Feb	07 (Wed)	05:42	06:30	106	12:16 59S	18:02 254		18:49
2024	Feb	08 (Thu)	05:42	06:30	106	12:16 60S	18:02 255		18:50
2024	Feb	09 (Fri)	05:42	06:30	105	12:16 60S	18:02 255		18:50
2024	Feb	10 (Sat)	05:42	06:29	105	12:16 60S	18:03 255		18:50
2024	Feb	11 (Sun)	05:41	06:29	105	12:16 61S	18:03 256		18:51
2024	Feb	12 (Mon)	05:41	06:29	104	12:16 61S	18:04 256		18:51
2024	Feb	13 (Tue)	05:41	06:28	104	12:16 61S	18:04 256		18:51
2024	Feb	14 (Wed)	05:40	06:28	104	12:16 62S	18:04 257		18:52
2024	Feb	15 (Thu)	05:40	06:27	103	12:16 62S	18:05 257		18:52
2024	Feb	16 (Fri)	05:39	06:27	103	12:16 62S	18:05 257		18:52
2024	Feb	17 (Sat)	05:39	06:26	102	12:16 63S	18:05 258		18:53
2024	Feb	18 (Sun)	05:39	06:26	102	12:16 63S	18:06 258		18:53
2024	Feb	19 (Mon)	05:38	06:25	102	12:16 63S	18:06 258		18:53
2024	Feb	20 (Tue)	05:38	06:25	101	12:16 64S	18:06 259		18:53
2024	Feb	21 (Wed)	05:37	06:24	101	12:15 64S	18:07 259		18:54
2024	Feb	22 (Thu)	05:37	06:24	101	12:15 65S	18:07 260		18:54
2024	Feb	23 (Fri)	05:36	06:23	100	12:15 65S	18:07 260		18:54
2024	Feb	24 (Sat)	05:36	06:23	100	12:15 65S	18:08 260		18:54
2024	Feb	25 (Sun)	05:35	06:22	100	12:15 66S	18:08 261		18:55
2024	Feb	26 (Mon)	05:35	06:22	99	12:15 66S	18:08 261		18:55
2024	Feb	27 (Tue)	05:34	06:21	99	12:15 66S	18:08 261		18:55
2024	Feb	28 (Wed)	05:34	06:20	98	12:14 67S	18:09 262		18:55
2024	Feb	29 (Thu)	05:33	06:20	98	12:14 67S	18:09 262		18:56

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

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

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

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

2024	Dec	14	(Sat)	05:30	06:21	114	11:56	52S	17:32	246	18:23
2024	Dec	15	(Sun)	05:31	06:21	114	11:57	52S	17:33	246	18:23
2024	Dec	16	(Mon)	05:31	06:22	114	11:57	52S	17:33	246	18:24
2024	Dec	17	(Tue)	05:32	06:22	114	11:58	52S	17:34	246	18:24
2024	Dec	18	(Wed)	05:32	06:23	114	11:58	51S	17:34	246	18:24
2024	Dec	19	(Thu)	05:33	06:23	114	11:59	51S	17:35	246	18:25
2024	Dec	20	(Fri)	05:33	06:24	114	11:59	51S	17:35	246	18:25
2024	Dec	21	(Sat)	05:34	06:24	114	12:00	51S	17:36	246	18:26
2024	Dec	22	(Sun)	05:34	06:25	114	12:00	51S	17:36	246	18:26
2024	Dec	23	(Mon)	05:35	06:25	114	12:01	51S	17:37	246	18:27
2024	Dec	24	(Tue)	05:35	06:26	114	12:01	51S	17:37	246	18:27
2024	Dec	25	(Wed)	05:36	06:26	114	12:02	52S	17:38	246	18:28
2024	Dec	26	(Thu)	05:36	06:27	114	12:02	52S	17:38	246	18:28
2024	Dec	27	(Fri)	05:37	06:27	114	12:03	52S	17:39	246	18:29
2024	Dec	28	(Sat)	05:37	06:27	114	12:03	52S	17:39	246	18:30
2024	Dec	29	(Sun)	05:38	06:28	114	12:04	52S	17:40	246	18:30
2024	Dec	30	(Mon)	05:38	06:28	114	12:04	52S	17:40	246	18:31
2024	Dec	31	(Tue)	05:38	06:29	114	12:05	52S	17:41	246	18:31

Sun

Amnat Charoen

Location: E104°33'43.1", N15°49'22.8", 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)	06:05	06:29	114	12:05 52S	17:41	246	18:04
2024	Jan	02	(Tue)	06:06	06:29	114	12:05 52S	17:42	246	18:05
2024	Jan	03	(Wed)	06:06	06:29	114	12:06 52S	17:42	246	18:06
2024	Jan	04	(Thu)	06:07	06:30	113	12:06 52S	17:43	247	18:06
2024	Jan	05	(Fri)	06:07	06:30	113	12:07 52S	17:44	247	18:07
2024	Jan	06	(Sat)	06:07	06:30	113	12:07 52S	17:44	247	18:07
2024	Jan	07	(Sun)	06:07	06:31	113	12:08 52S	17:45	247	18:08
2024	Jan	08	(Mon)	06:08	06:31	113	12:08 53S	17:45	247	18:09
2024	Jan	09	(Tue)	06:08	06:31	113	12:09 53S	17:46	247	18:09
2024	Jan	10	(Wed)	06:08	06:31	113	12:09 53S	17:47	247	18:10
2024	Jan	11	(Thu)	06:09	06:32	113	12:09 53S	17:47	248	18:10
2024	Jan	12	(Fri)	06:09	06:32	112	12:10 53S	17:48	248	18:11
2024	Jan	13	(Sat)	06:09	06:32	112	12:10 53S	17:48	248	18:11
2024	Jan	14	(Sun)	06:09	06:32	112	12:11 53S	17:49	248	18:12
2024	Jan	15	(Mon)	06:09	06:32	112	12:11 54S	17:50	248	18:13
2024	Jan	16	(Tue)	06:10	06:33	112	12:11 54S	17:50	248	18:13
2024	Jan	17	(Wed)	06:10	06:33	111	12:12 54S	17:51	249	18:14
2024	Jan	18	(Thu)	06:10	06:33	111	12:12 54S	17:51	249	18:14
2024	Jan	19	(Fri)	06:10	06:33	111	12:12 54S	17:52	249	18:15
2024	Jan	20	(Sat)	06:10	06:33	111	12:13 55S	17:52	249	18:15
2024	Jan	21	(Sun)	06:10	06:33	111	12:13 55S	17:53	249	18:16
2024	Jan	22	(Mon)	06:10	06:33	110	12:13 55S	17:54	250	18:16
2024	Jan	23	(Tue)	06:10	06:33	110	12:13 55S	17:54	250	18:17
2024	Jan	24	(Wed)	06:10	06:33	110	12:14 56S	17:55	250	18:17
2024	Jan	25	(Thu)	06:10	06:33	110	12:14 56S	17:55	250	18:18
2024	Jan	26	(Fri)	06:10	06:33	109	12:14 56S	17:56	251	18:18
2024	Jan	27	(Sat)	06:10	06:33	109	12:14 56S	17:56	251	18:19
2024	Jan	28	(Sun)	06:10	06:32	109	12:15 57S	17:57	251	18:19
2024	Jan	29	(Mon)	06:10	06:32	109	12:15 57S	17:57	252	18:20
2024	Jan	30	(Tue)	06:10	06:32	108	12:15 57S	17:58	252	18:20
2024	Jan	31	(Wed)	06:09	06:32	108	12:15 57S	17:58	252	18:21
2024	Feb	01	(Thu)	06:09	06:32	108	12:15 58S	17:59	252	18:21
2024	Feb	02	(Fri)	06:09	06:32	107	12:15 58S	17:59	253	18:22
2024	Feb	03	(Sat)	06:09	06:31	107	12:15 58S	18:00	253	18:22
2024	Feb	04	(Sun)	06:09	06:31	107	12:16 59S	18:00	253	18:23
2024	Feb	05	(Mon)	06:09	06:31	107	12:16 59S	18:01	254	18:23
2024	Feb	06	(Tue)	06:08	06:31	106	12:16 59S	18:01	254	18:23
2024	Feb	07	(Wed)	06:08	06:30	106	12:16 59S	18:02	254	18:24
2024	Feb	08	(Thu)	06:08	06:30	106	12:16 60S	18:02	255	18:24
2024	Feb	09	(Fri)	06:07	06:30	105	12:16 60S	18:02	255	18:25
2024	Feb	10	(Sat)	06:07	06:29	105	12:16 60S	18:03	255	18:25

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

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

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

2024	Sep	14	(Sat)	05:29	05:50	86	11:57	78S	18:04	273	18:26
2024	Sep	15	(Sun)	05:29	05:50	87	11:57	78S	18:03	273	18:25
2024	Sep	16	(Mon)	05:29	05:50	87	11:57	77S	18:03	273	18:24
2024	Sep	17	(Tue)	05:29	05:50	88	11:56	77S	18:02	272	18:23
2024	Sep	18	(Wed)	05:29	05:50	88	11:56	77S	18:01	272	18:22
2024	Sep	19	(Thu)	05:29	05:51	88	11:55	76S	18:00	271	18:22
2024	Sep	20	(Fri)	05:29	05:51	89	11:55	76S	17:59	271	18:21
2024	Sep	21	(Sat)	05:29	05:51	89	11:55	75S	17:59	271	18:20
2024	Sep	22	(Sun)	05:29	05:51	90	11:54	75S	17:58	270	18:19
2024	Sep	23	(Mon)	05:29	05:51	90	11:54	75S	17:57	270	18:18
2024	Sep	24	(Tue)	05:29	05:51	90	11:54	74S	17:56	269	18:18
2024	Sep	25	(Wed)	05:30	05:51	91	11:53	74S	17:55	269	18:17
2024	Sep	26	(Thu)	05:30	05:51	91	11:53	73S	17:55	269	18:16
2024	Sep	27	(Fri)	05:30	05:51	92	11:53	73S	17:54	268	18:15
2024	Sep	28	(Sat)	05:30	05:51	92	11:52	73S	17:53	268	18:15
2024	Sep	29	(Sun)	05:30	05:51	92	11:52	72S	17:52	267	18:14
2024	Sep	30	(Mon)	05:30	05:52	93	11:52	72S	17:52	267	18:13
2024	Oct	01	(Tue)	05:30	05:52	93	11:51	72S	17:51	267	18:12
2024	Oct	02	(Wed)	05:30	05:52	94	11:51	71S	17:50	266	18:12
2024	Oct	03	(Thu)	05:30	05:52	94	11:51	71S	17:49	266	18:11
2024	Oct	04	(Fri)	05:31	05:52	94	11:50	70S	17:49	265	18:10
2024	Oct	05	(Sat)	05:31	05:52	95	11:50	70S	17:48	265	18:09
2024	Oct	06	(Sun)	05:31	05:52	95	11:50	70S	17:47	265	18:09
2024	Oct	07	(Mon)	05:31	05:52	96	11:50	69S	17:46	264	18:08
2024	Oct	08	(Tue)	05:31	05:53	96	11:49	69S	17:46	264	18:07
2024	Oct	09	(Wed)	05:31	05:53	96	11:49	68S	17:45	263	18:07
2024	Oct	10	(Thu)	05:31	05:53	97	11:49	68S	17:44	263	18:06
2024	Oct	11	(Fri)	05:32	05:53	97	11:48	68S	17:44	263	18:05
2024	Oct	12	(Sat)	05:32	05:53	98	11:48	67S	17:43	262	18:04
2024	Oct	13	(Sun)	05:32	05:53	98	11:48	67S	17:42	262	18:04
2024	Oct	14	(Mon)	05:32	05:54	98	11:48	67S	17:42	261	18:03
2024	Oct	15	(Tue)	05:32	05:54	99	11:47	66S	17:41	261	18:03
2024	Oct	16	(Wed)	05:32	05:54	99	11:47	66S	17:40	261	18:02
2024	Oct	17	(Thu)	05:33	05:54	99	11:47	65S	17:40	260	18:01
2024	Oct	18	(Fri)	05:33	05:55	100	11:47	65S	17:39	260	18:01
2024	Oct	19	(Sat)	05:33	05:55	100	11:47	65S	17:38	260	18:00
2024	Oct	20	(Sun)	05:33	05:55	101	11:47	64S	17:38	259	18:00
2024	Oct	21	(Mon)	05:33	05:55	101	11:46	64S	17:37	259	17:59
2024	Oct	22	(Tue)	05:34	05:55	101	11:46	64S	17:37	258	17:59
2024	Oct	23	(Wed)	05:34	05:56	102	11:46	63S	17:36	258	17:58
2024	Oct	24	(Thu)	05:34	05:56	102	11:46	63S	17:36	258	17:58
2024	Oct	25	(Fri)	05:34	05:56	102	11:46	63S	17:35	257	17:57
2024	Oct	26	(Sat)	05:35	05:57	103	11:46	62S	17:35	257	17:57
2024	Oct	27	(Sun)	05:35	05:57	103	11:46	62S	17:34	257	17:56
2024	Oct	28	(Mon)	05:35	05:57	103	11:46	62S	17:34	256	17:56
2024	Oct	29	(Tue)	05:35	05:58	104	11:45	61S	17:33	256	17:55
2024	Oct	30	(Wed)	05:36	05:58	104	11:45	61S	17:33	256	17:55
2024	Oct	31	(Thu)	05:36	05:58	105	11:45	61S	17:32	255	17:54
2024	Nov	01	(Fri)	05:36	05:59	105	11:45	60S	17:32	255	17:54
2024	Nov	02	(Sat)	05:37	05:59	105	11:45	60S	17:32	255	17:54
2024	Nov	03	(Sun)	05:37	05:59	106	11:45	60S	17:31	254	17:53
2024	Nov	04	(Mon)	05:37	06:00	106	11:45	59S	17:31	254	17:53
2024	Nov	05	(Tue)	05:38	06:00	106	11:45	59S	17:30	254	17:53
2024	Nov	06	(Wed)	05:38	06:00	106	11:45	59S	17:30	253	17:52
2024	Nov	07	(Thu)	05:39	06:01	107	11:45	58S	17:30	253	17:52
2024	Nov	08	(Fri)	05:39	06:01	107	11:46	58S	17:30	253	17:52
2024	Nov	09	(Sat)	05:39	06:02	107	11:46	58S	17:29	252	17:52
2024	Nov	10	(Sun)	05:40	06:02	108	11:46	58S	17:29	252	17:52
2024	Nov	11	(Mon)	05:40	06:03	108	11:46	57S	17:29	252	17:51
2024	Nov	12	(Tue)	05:41	06:03	108	11:46	57S	17:29	252	17:51
2024	Nov	13	(Wed)	05:41	06:04	109	11:46	57S	17:28	251	17:51
2024	Nov	14	(Thu)	05:41	06:04	109	11:46	57S	17:28	251	17:51
2024	Nov	15	(Fri)	05:42	06:04	109	11:46	56S	17:28	251	17:51
2024	Nov	16	(Sat)	05:42	06:05	109	11:47	56S	17:28	251	17:51
2024	Nov	17	(Sun)	05:43	06:05	110	11:47	56S	17:28	250	17:51
2024	Nov	18	(Mon)	05:43	06:06	110	11:47	56S	17:28	250	17:51
2024	Nov	19	(Tue)	05:44	06:06	110	11:47	55S	17:28	250	17:50
2024	Nov	20	(Wed)	05:44	06:07	110	11:47	55S	17:28	250	17:50
2024	Nov	21	(Thu)	05:45	06:08	111	11:48	55S	17:28	249	17:50
2024	Nov	22	(Fri)	05:45	06:08	111	11:48	55S	17:28	249	17:51
2024	Nov	23	(Sat)	05:46	06:09	111	11:48	54S	17:28	249	17:51
2024	Nov	24	(Sun)	05:46	06:09	111	11:48	54S	17:28	249	17:51

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

Moon

Amnat Charoen

Location: E104°33'43.1", N15°49'22.8", 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)	22:12		80	03:52		88S	10:16		282
2024	Jan	02	(Tue)	22:58		86	04:33		83S	10:50		277
2024	Jan	03	(Wed)	23:44		92	05:12		77S	11:22		271
2024	Jan	04	(Thu)				05:51		71S	11:55		265
2024	Jan	05	(Fri)	00:31		98	06:31		65S	12:29		259
2024	Jan	06	(Sat)	01:20		104	07:14		60S	13:06		253
2024	Jan	07	(Sun)	02:12		109	08:01		55S	13:47		248
2024	Jan	08	(Mon)	03:09		114	08:53		50S	14:35		244
2024	Jan	09	(Tue)	04:09		118	09:50		47S	15:29		241
2024	Jan	10	(Wed)	05:12		119	10:51		46S	16:30		241
2024	Jan	11	(Thu)	06:16		119	11:55		47S	17:36		242
2024	Jan	12	(Fri)	07:15		116	12:58		50S	18:43		245
2024	Jan	13	(Sat)	08:10		112	13:57		54S	19:48		251
2024	Jan	14	(Sun)	08:59		106	14:53		60S	20:50		257
2024	Jan	15	(Mon)	09:43		99	15:44		67S	21:49		264
2024	Jan	16	(Tue)	10:24		92	16:33		74S	22:46		272
2024	Jan	17	(Wed)	11:04		85	17:21		81S	23:42		279
2024	Jan	18	(Thu)	11:44		78	18:09		88S			
2024	Jan	19	(Fri)	12:25		72	18:58		88N	00:38		285
2024	Jan	20	(Sat)	13:10		67	19:50		83N	01:35		291
2024	Jan	21	(Sun)	13:58		63	20:44		80N	02:33		295
2024	Jan	22	(Mon)	14:50		61	21:39		78N	03:31		298
2024	Jan	23	(Tue)	15:45		61	22:34		78N	04:28		299

2024	Jan	24	(Wed)	16:40	62	23:27	80N	05:23	299
2024	Jan	25	(Thu)	17:35	64			06:13	297
2024	Jan	26	(Fri)	18:28	68	00:18	83N	06:58	294
2024	Jan	27	(Sat)	19:19	73	01:05	87N	07:38	289
2024	Jan	28	(Sun)	20:07	78	01:49	90S	08:15	284
2024	Jan	29	(Mon)	20:53	84	02:30	85S	08:49	279
2024	Jan	30	(Tue)	21:39	90	03:09	79S	09:22	273
2024	Jan	31	(Wed)	22:25	96	03:48	73S	09:54	267
2024	Feb	01	(Thu)	23:12	102	04:27	67S	10:27	261
2024	Feb	02	(Fri)			05:08	62S	11:02	255
2024	Feb	03	(Sat)	00:02	107	05:52	56S	11:40	250
2024	Feb	04	(Sun)	00:55	112	06:40	52S	12:23	246
2024	Feb	05	(Mon)	01:52	116	07:33	48S	13:13	242
2024	Feb	06	(Tue)	02:53	119	08:31	46S	14:09	241
2024	Feb	07	(Wed)	03:55	120	09:33	46S	15:12	241
2024	Feb	08	(Thu)	04:56	118	10:36	48S	16:19	243
2024	Feb	09	(Fri)	05:53	115	11:38	52S	17:26	248
2024	Feb	10	(Sat)	06:46	109	12:37	57S	18:31	254
2024	Feb	11	(Sun)	07:33	103	13:32	64S	19:34	261
2024	Feb	12	(Mon)	08:17	95	14:23	71S	20:34	269
2024	Feb	13	(Tue)	08:59	88	15:14	79S	21:32	276
2024	Feb	14	(Wed)	09:40	80	16:03	86S	22:30	283
2024	Feb	15	(Thu)	10:23	74	16:54	89N	23:28	289
2024	Feb	16	(Fri)	11:07	68	17:46	84N		
2024	Feb	17	(Sat)	11:55	64	18:39	81N	00:27	294
2024	Feb	18	(Sun)	12:46	61	19:34	78N	01:26	298
2024	Feb	19	(Mon)	13:40	60	20:30	78N	02:24	299
2024	Feb	20	(Tue)	14:35	61	21:23	79N	03:19	299
2024	Feb	21	(Wed)	15:30	63	22:14	82N	04:10	298
2024	Feb	22	(Thu)	16:23	67	23:02	85N	04:56	295
2024	Feb	23	(Fri)	17:14	71	23:47	90N	05:38	291
2024	Feb	24	(Sat)	18:03	77			06:15	286
2024	Feb	25	(Sun)	18:50	82	00:28	86S	06:50	281
2024	Feb	26	(Mon)	19:36	88	01:08	81S	07:23	275
2024	Feb	27	(Tue)	20:21	94	01:47	75S	07:55	269
2024	Feb	28	(Wed)	21:08	100	02:26	69S	08:27	263
2024	Feb	29	(Thu)	21:56	106	03:06	63S	09:01	257
2024	Mar	01	(Fri)	22:47	111	03:48	58S	09:38	252
2024	Mar	02	(Sat)	23:42	115	04:34	53S	10:18	247
2024	Mar	03	(Sun)			05:24	49S	11:04	243
2024	Mar	04	(Mon)	00:39	118	06:18	47S	11:56	241
2024	Mar	05	(Tue)	01:39	120	07:17	46S	12:54	240
2024	Mar	06	(Wed)	02:39	119	08:17	47S	13:57	242
2024	Mar	07	(Thu)	03:37	117	09:18	49S	15:02	245
2024	Mar	08	(Fri)	04:30	112	10:17	54S	16:08	250
2024	Mar	09	(Sat)	05:20	106	11:14	60S	17:12	257
2024	Mar	10	(Sun)	06:05	99	12:07	67S	18:13	264
2024	Mar	11	(Mon)	06:49	92	12:59	75S	19:14	272
2024	Mar	12	(Tue)	07:31	84	13:50	83S	20:14	280
2024	Mar	13	(Wed)	08:14	77	14:42	89S	21:14	287
2024	Mar	14	(Thu)	09:00	70	15:36	86N	22:15	292
2024	Mar	15	(Fri)	09:48	65	16:31	82N	23:17	297
2024	Mar	16	(Sat)	10:39	62	17:27	79N		
2024	Mar	17	(Sun)	11:34	60	18:24	78N	00:17	299
2024	Mar	18	(Mon)	12:30	61	19:19	78N	01:14	300
2024	Mar	19	(Tue)	13:25	62	20:11	80N	02:07	299
2024	Mar	20	(Wed)	14:19	65	21:00	84N	02:55	296
2024	Mar	21	(Thu)	15:11	70	21:45	88N	03:38	292
2024	Mar	22	(Fri)	16:00	75	22:27	88S	04:16	288
2024	Mar	23	(Sat)	16:47	80	23:08	83S	04:51	282
2024	Mar	24	(Sun)	17:33	86	23:47	77S	05:25	277
2024	Mar	25	(Mon)	18:19	92			05:57	271
2024	Mar	26	(Tue)	19:05	98	00:26	71S	06:29	265
2024	Mar	27	(Wed)	19:53	104	01:05	65S	07:03	259
2024	Mar	28	(Thu)	20:43	109	01:47	60S	07:38	253
2024	Mar	29	(Fri)	21:36	114	02:32	55S	08:17	248
2024	Mar	30	(Sat)	22:32	117	03:20	50S	09:01	244
2024	Mar	31	(Sun)	23:31	119	04:12	47S	09:50	241
2024	Apr	01	(Mon)			05:08	46S	10:45	240
2024	Apr	02	(Tue)	00:29	120	06:06	46S	11:44	241
2024	Apr	03	(Wed)	01:26	118	07:05	48S	12:47	243
2024	Apr	04	(Thu)	02:19	115	08:03	52S	13:50	248

2024	Apr	05	(Fri)	03:09	109	08:59	57S	14:52	253
2024	Apr	06	(Sat)	03:54	103	09:52	64S	15:53	260
2024	Apr	07	(Sun)	04:38	96	10:43	71S	16:53	268
2024	Apr	08	(Mon)	05:20	88	11:34	79S	17:53	276
2024	Apr	09	(Tue)	06:03	80	12:26	86S	18:54	283
2024	Apr	10	(Wed)	06:48	73	13:20	89N	19:56	290
2024	Apr	11	(Thu)	07:35	68	14:16	84N	20:59	295
2024	Apr	12	(Fri)	08:27	63	15:14	80N	22:02	298
2024	Apr	13	(Sat)	09:22	61	16:12	78N	23:03	300
2024	Apr	14	(Sun)	10:19	60	17:10	78N	23:59	299
2024	Apr	15	(Mon)	11:17	61	18:05	80N		
2024	Apr	16	(Tue)	12:12	64	18:55	83N	00:50	297
2024	Apr	17	(Wed)	13:05	68	19:42	87N	01:35	294
2024	Apr	18	(Thu)	13:56	73	20:26	90S	02:16	289
2024	Apr	19	(Fri)	14:44	78	21:06	85S	02:52	284
2024	Apr	20	(Sat)	15:30	84	21:46	79S	03:26	279
2024	Apr	21	(Sun)	16:15	90	22:25	73S	03:58	273
2024	Apr	22	(Mon)	17:02	96	23:04	67S	04:30	267
2024	Apr	23	(Tue)	17:49	102	23:45	61S	05:03	261
2024	Apr	24	(Wed)	18:39	108			05:39	255
2024	Apr	25	(Thu)	19:32	113	00:29	56S	06:17	250
2024	Apr	26	(Fri)	20:27	116	01:17	52S	06:59	245
2024	Apr	27	(Sat)	21:25	119	02:08	48S	07:47	242
2024	Apr	28	(Sun)	22:24	120	03:03	46S	08:40	240
2024	Apr	29	(Mon)	23:21	119	04:01	46S	09:38	240
2024	Apr	30	(Tue)			04:59	47S	10:39	242
2024	May	01	(Wed)	00:14	116	05:56	50S	11:41	246
2024	May	02	(Thu)	01:03	111	06:51	55S	12:41	251
2024	May	03	(Fri)	01:49	106	07:43	61S	13:41	258
2024	May	04	(Sat)	02:31	99	08:33	68S	14:39	265
2024	May	05	(Sun)	03:12	92	09:22	75S	15:37	272
2024	May	06	(Mon)	03:54	84	10:12	82S	16:35	280
2024	May	07	(Tue)	04:36	77	11:04	89S	17:36	287
2024	May	08	(Wed)	05:22	70	11:59	86N	18:39	292
2024	May	09	(Thu)	06:12	65	12:56	82N	19:43	297
2024	May	10	(Fri)	07:07	62	13:56	79N	20:46	299
2024	May	11	(Sat)	08:04	60	14:55	78N	21:46	300
2024	May	12	(Sun)	09:03	61	15:53	79N	22:41	298
2024	May	13	(Mon)	10:01	63	16:47	81N	23:29	295
2024	May	14	(Tue)	10:57	67	17:36	85N		
2024	May	15	(Wed)	11:49	71	18:21	90N	00:12	291
2024	May	16	(Thu)	12:38	76	19:03	87S	00:51	286
2024	May	17	(Fri)	13:25	82	19:43	81S	01:25	281
2024	May	18	(Sat)	14:11	88	20:22	75S	01:58	275
2024	May	19	(Sun)	14:56	94	21:01	69S	02:30	269
2024	May	20	(Mon)	15:43	100	21:42	63S	03:03	263
2024	May	21	(Tue)	16:32	106	22:25	58S	03:37	257
2024	May	22	(Wed)	17:24	111	23:11	53S	04:14	252
2024	May	23	(Thu)	18:20	115			04:56	247
2024	May	24	(Fri)	19:18	118	00:02	49S	05:42	243
2024	May	25	(Sat)	20:17	120	00:57	47S	06:35	241
2024	May	26	(Sun)	21:16	119	01:55	46S	07:32	240
2024	May	27	(Mon)	22:11	117	02:54	47S	08:33	242
2024	May	28	(Tue)	23:01	113	03:52	49S	09:35	245
2024	May	29	(Wed)	23:47	107	04:47	54S	10:36	250
2024	May	30	(Thu)			05:39	59S	11:35	256
2024	May	31	(Fri)	00:30	101	06:29	66S	12:32	262
2024	Jun	01	(Sat)	01:10	94	07:17	73S	13:28	270
2024	Jun	02	(Sun)	01:50	87	08:05	80S	14:25	277
2024	Jun	03	(Mon)	02:31	80	08:54	87S	15:23	284
2024	Jun	04	(Tue)	03:14	73	09:46	89N	16:23	290
2024	Jun	05	(Wed)	04:01	67	10:41	84N	17:25	295
2024	Jun	06	(Thu)	04:53	63	11:39	80N	18:28	298
2024	Jun	07	(Fri)	05:49	61	12:39	78N	19:30	300
2024	Jun	08	(Sat)	06:48	61	13:39	78N	20:28	299
2024	Jun	09	(Sun)	07:47	62	14:35	80N	21:20	297
2024	Jun	10	(Mon)	08:45	65	15:27	83N	22:06	293
2024	Jun	11	(Tue)	09:39	69	16:15	88N	22:47	288
2024	Jun	12	(Wed)	10:30	74	16:58	89S	23:23	283
2024	Jun	13	(Thu)	11:18	80	17:39	83S	23:57	277
2024	Jun	14	(Fri)	12:04	86	18:19	77S		
2024	Jun	15	(Sat)	12:50	92	18:57	71S	00:29	271

2024	Jun	16	(Sun)	13:36	98	19:37	66S	01:02	265
2024	Jun	17	(Mon)	14:24	104	20:19	60S	01:35	259
2024	Jun	18	(Tue)	15:15	109	21:04	55S	02:11	254
2024	Jun	19	(Wed)	16:09	114	21:53	51S	02:50	249
2024	Jun	20	(Thu)	17:06	117	22:46	48S	03:35	245
2024	Jun	21	(Fri)	18:06	119	23:44	46S	04:25	242
2024	Jun	22	(Sat)	19:06	119			05:22	240
2024	Jun	23	(Sun)	20:04	118	00:44	46S	06:23	241
2024	Jun	24	(Mon)	20:57	114	01:44	48S	07:26	244
2024	Jun	25	(Tue)	21:45	109	02:41	52S	08:29	248
2024	Jun	26	(Wed)	22:29	103	03:36	57S	09:29	254
2024	Jun	27	(Thu)	23:10	96	04:27	64S	10:27	261
2024	Jun	28	(Fri)	23:50	89	05:15	71S	11:24	268
2024	Jun	29	(Sat)			06:03	78S	12:20	275
2024	Jun	30	(Sun)	00:30	82	06:51	85S	13:16	282
2024	Jul	01	(Mon)	01:11	75	07:41	90N	14:14	288
2024	Jul	02	(Tue)	01:56	69	08:33	85N	15:14	293
2024	Jul	03	(Wed)	02:45	65	09:29	81N	16:16	297
2024	Jul	04	(Thu)	03:38	62	10:27	79N	17:18	299
2024	Jul	05	(Fri)	04:36	60	11:26	78N	18:16	299
2024	Jul	06	(Sat)	05:35	61	12:23	79N	19:11	298
2024	Jul	07	(Sun)	06:33	64	13:17	82N	19:59	294
2024	Jul	08	(Mon)	07:29	67	14:07	86N	20:42	290
2024	Jul	09	(Tue)	08:21	72	14:53	91S	21:20	285
2024	Jul	10	(Wed)	09:11	78	15:35	85S	21:55	279
2024	Jul	11	(Thu)	09:58	84	16:15	79S	22:28	273
2024	Jul	12	(Fri)	10:44	90	16:54	74S	23:00	267
2024	Jul	13	(Sat)	11:29	96	17:33	68S	23:32	262
2024	Jul	14	(Sun)	12:16	101	18:13	62S		
2024	Jul	15	(Mon)	13:05	107	18:56	57S	00:07	256
2024	Jul	16	(Tue)	13:57	112	19:42	52S	00:44	251
2024	Jul	17	(Wed)	14:52	116	20:34	49S	01:26	246
2024	Jul	18	(Thu)	15:51	119	21:29	46S	02:13	243
2024	Jul	19	(Fri)	16:51	120	22:29	46S	03:07	241
2024	Jul	20	(Sat)	17:51	119	23:30	47S	04:07	240
2024	Jul	21	(Sun)	18:47	116			05:10	242
2024	Jul	22	(Mon)	19:38	111	00:30	50S	06:15	246
2024	Jul	23	(Tue)	20:25	105	01:27	55S	07:18	252
2024	Jul	24	(Wed)	21:08	98	02:20	61S	08:19	258
2024	Jul	25	(Thu)	21:49	91	03:11	68S	09:17	265
2024	Jul	26	(Fri)	22:29	84	04:00	76S	10:15	273
2024	Jul	27	(Sat)	23:11	77	04:48	83S	11:11	280
2024	Jul	28	(Sun)	23:54	71	05:38	89S	12:09	287
2024	Jul	29	(Mon)			06:29	86N	13:09	292
2024	Jul	30	(Tue)	00:41	66	07:24	82N	14:09	296
2024	Jul	31	(Wed)	01:33	62	08:21	79N	15:10	299
2024	Aug	01	(Thu)	02:28	60	09:18	78N	16:09	300
2024	Aug	02	(Fri)	03:26	61	10:16	78N	17:04	299
2024	Aug	03	(Sat)	04:24	63	11:10	81N	17:54	296
2024	Aug	04	(Sun)	05:20	66	12:01	84N	18:38	292
2024	Aug	05	(Mon)	06:14	70	12:48	89N	19:18	287
2024	Aug	06	(Tue)	07:04	76	13:31	87S	19:54	281
2024	Aug	07	(Wed)	07:52	81	14:12	82S	20:27	276
2024	Aug	08	(Thu)	08:38	87	14:51	76S	20:59	270
2024	Aug	09	(Fri)	09:24	93	15:29	70S	21:32	264
2024	Aug	10	(Sat)	10:10	99	16:09	64S	22:05	258
2024	Aug	11	(Sun)	10:57	105	16:50	59S	22:40	252
2024	Aug	12	(Mon)	11:47	110	17:34	54S	23:19	248
2024	Aug	13	(Tue)	12:40	115	18:23	50S		
2024	Aug	14	(Wed)	13:36	118	19:15	47S	00:03	244
2024	Aug	15	(Thu)	14:35	120	20:12	46S	00:53	241
2024	Aug	16	(Fri)	15:34	120	21:12	46S	01:49	240
2024	Aug	17	(Sat)	16:32	118	22:12	48S	02:51	241
2024	Aug	18	(Sun)	17:26	114	23:11	53S	03:55	244
2024	Aug	19	(Mon)	18:15	108			05:00	249
2024	Aug	20	(Tue)	19:01	101	00:07	58S	06:03	255
2024	Aug	21	(Wed)	19:44	94	01:00	65S	07:04	262
2024	Aug	22	(Thu)	20:25	86	01:51	73S	08:03	270
2024	Aug	23	(Fri)	21:07	79	02:42	80S	09:02	278
2024	Aug	24	(Sat)	21:51	72	03:32	87S	10:01	285
2024	Aug	25	(Sun)	22:38	67	04:25	88N	11:02	291
2024	Aug	26	(Mon)	23:29	63	05:19	83N	12:03	296

2024 Aug 27 (Tue)		06:16 80N	13:05 299
2024 Aug 28 (Wed)	00:23 61	07:14 78N	14:04 300
2024 Aug 29 (Thu)	01:21 60	08:11 78N	15:00 299
2024 Aug 30 (Fri)	02:18 62	09:06 80N	15:51 297
2024 Aug 31 (Sat)	03:15 65	09:57 83N	16:37 293
2024 Sep 01 (Sun)	04:09 69	10:45 87N	17:17 289
2024 Sep 02 (Mon)	05:00 74	11:29 89S	17:54 283
2024 Sep 03 (Tue)	05:48 79	12:10 84S	18:28 278
2024 Sep 04 (Wed)	06:35 85	12:49 78S	19:00 272
2024 Sep 05 (Thu)	07:20 91	13:28 72S	19:32 266
2024 Sep 06 (Fri)	08:06 97	14:07 66S	20:05 260
2024 Sep 07 (Sat)	08:53 103	14:47 60S	20:39 254
2024 Sep 08 (Sun)	09:41 109	15:30 55S	21:17 249
2024 Sep 09 (Mon)	10:32 113	16:16 51S	21:58 245
2024 Sep 10 (Tue)	11:26 117	17:06 48S	22:44 242
2024 Sep 11 (Wed)	12:23 119	18:00 46S	23:37 240
2024 Sep 12 (Thu)	13:20 120	18:57 46S	
2024 Sep 13 (Fri)	14:17 119	19:56 47S	00:34 240
2024 Sep 14 (Sat)	15:11 116	20:54 50S	01:36 242
2024 Sep 15 (Sun)	16:02 111	21:50 55S	02:39 246
2024 Sep 16 (Mon)	16:49 105	22:44 62S	03:42 252
2024 Sep 17 (Tue)	17:33 98	23:37 69S	04:44 258
2024 Sep 18 (Wed)	18:16 90		05:44 266
2024 Sep 19 (Thu)	18:59 82	00:28 77S	06:45 274
2024 Sep 20 (Fri)	19:43 75	01:20 84S	07:46 282
2024 Sep 21 (Sat)	20:31 69	02:13 90N	08:48 288
2024 Sep 22 (Sun)	21:22 64	03:09 85N	09:51 294
2024 Sep 23 (Mon)	22:17 61	04:07 80N	10:55 298
2024 Sep 24 (Tue)	23:14 60	05:06 78N	11:57 300
2024 Sep 25 (Wed)		06:05 78N	12:56 300
2024 Sep 26 (Thu)	00:13 61	07:02 79N	13:49 298
2024 Sep 27 (Fri)	01:10 63	07:54 82N	14:36 295
2024 Sep 28 (Sat)	02:05 67	08:43 86N	15:18 290
2024 Sep 29 (Sun)	02:56 72	09:28 91N	15:55 285
2024 Sep 30 (Mon)	03:45 78	10:09 85S	16:30 280
2024 Oct 01 (Tue)	04:32 83	10:49 80S	17:02 274
2024 Oct 02 (Wed)	05:18 89	11:28 74S	17:34 268
2024 Oct 03 (Thu)	06:03 95	12:07 68S	18:07 262
2024 Oct 04 (Fri)	06:50 101	12:47 62S	18:40 256
2024 Oct 05 (Sat)	07:38 107	13:28 57S	19:16 251
2024 Oct 06 (Sun)	08:28 112	14:13 52S	19:56 246
2024 Oct 07 (Mon)	09:20 116	15:01 49S	20:41 243
2024 Oct 08 (Tue)	10:15 119	15:53 46S	21:30 241
2024 Oct 09 (Wed)	11:12 120	16:48 46S	22:25 240
2024 Oct 10 (Thu)	12:07 120	17:45 46S	23:23 241
2024 Oct 11 (Fri)	13:01 117	18:41 49S	
2024 Oct 12 (Sat)	13:52 114	19:36 53S	00:23 244
2024 Oct 13 (Sun)	14:38 108	20:30 58S	01:24 249
2024 Oct 14 (Mon)	15:23 102	21:21 65S	02:25 255
2024 Oct 15 (Tue)	16:05 94	22:12 72S	03:24 262
2024 Oct 16 (Wed)	16:47 86	23:04 80S	04:24 270
2024 Oct 17 (Thu)	17:31 79	23:56 87S	05:24 277
2024 Oct 18 (Fri)	18:17 72		06:27 285
2024 Oct 19 (Sat)	19:08 66	00:52 87N	07:31 291
2024 Oct 20 (Sun)	20:03 62	01:51 82N	08:37 296
2024 Oct 21 (Mon)	21:02 60	02:52 79N	09:43 299
2024 Oct 22 (Tue)	22:03 60	03:54 78N	10:45 300
2024 Oct 23 (Wed)	23:02 62	04:53 78N	11:42 299
2024 Oct 24 (Thu)	23:59 66	05:49 81N	12:32 296
2024 Oct 25 (Fri)		06:39 84N	13:17 292
2024 Oct 26 (Sat)	00:52 70	07:26 89N	13:56 287
2024 Oct 27 (Sun)	01:42 76	08:08 87S	14:31 281
2024 Oct 28 (Mon)	02:29 81	08:49 82S	15:04 276
2024 Oct 29 (Tue)	03:15 87	09:28 76S	15:36 270
2024 Oct 30 (Wed)	04:01 94	10:06 70S	16:08 264
2024 Oct 31 (Thu)	04:47 99	10:46 64S	16:42 258
2024 Nov 01 (Fri)	05:34 105	11:27 59S	17:17 252
2024 Nov 02 (Sat)	06:24 110	12:11 54S	17:56 248
2024 Nov 03 (Sun)	07:16 115	12:59 50S	18:39 244
2024 Nov 04 (Mon)	08:11 118	13:50 47S	19:27 241
2024 Nov 05 (Tue)	09:07 120	14:44 46S	20:20 240
2024 Nov 06 (Wed)	10:03 120	15:39 46S	21:17 241

2024 Nov 07 (Thu)	10:56 118	16:35 48S	22:15 243
2024 Nov 08 (Fri)	11:46 115	17:29 51S	23:15 247
2024 Nov 09 (Sat)	12:33 110	18:21 56S	
2024 Nov 10 (Sun)	13:16 104	19:12 62S	00:13 252
2024 Nov 11 (Mon)	13:58 98	20:01 69S	01:11 259
2024 Nov 12 (Tue)	14:38 90	20:50 76S	02:08 266
2024 Nov 13 (Wed)	15:20 83	21:40 84S	03:06 274
2024 Nov 14 (Thu)	16:04 75	22:34 91S	04:05 281
2024 Nov 15 (Fri)	16:52 69	23:31 85N	05:08 288
2024 Nov 16 (Sat)	17:45 64		06:13 294
2024 Nov 17 (Sun)	18:44 61	00:31 81N	07:20 298
2024 Nov 18 (Mon)	19:45 60	01:34 78N	08:26 300
2024 Nov 19 (Tue)	20:47 61	02:37 78N	09:28 299
2024 Nov 20 (Wed)	21:47 64	03:36 80N	10:23 297
2024 Nov 21 (Thu)	22:44 69	04:31 83N	11:11 293
2024 Nov 22 (Fri)	23:36 74	05:20 87N	11:53 289
2024 Nov 23 (Sat)		06:05 89S	12:30 283
2024 Nov 24 (Sun)	00:25 79	06:46 83S	13:04 278
2024 Nov 25 (Mon)	01:11 85	07:26 78S	13:37 272
2024 Nov 26 (Tue)	01:57 91	08:04 72S	14:09 266
2024 Nov 27 (Wed)	02:42 97	08:44 66S	14:42 260
2024 Nov 28 (Thu)	03:29 103	09:24 61S	15:16 254
2024 Nov 29 (Fri)	04:18 109	10:07 56S	15:54 249
2024 Nov 30 (Sat)	05:10 113	10:54 51S	16:36 245
2024 Dec 01 (Sun)	06:04 117	11:44 48S	17:23 242
2024 Dec 02 (Mon)	07:01 119	12:38 46S	18:15 240
2024 Dec 03 (Tue)	07:57 120	13:34 46S	19:12 241
2024 Dec 04 (Wed)	08:52 119	14:31 47S	20:10 242
2024 Dec 05 (Thu)	09:44 116	15:26 50S	21:10 246
2024 Dec 06 (Fri)	10:31 112	16:18 55S	22:08 251
2024 Dec 07 (Sat)	11:15 106	17:08 60S	23:05 257
2024 Dec 08 (Sun)	11:56 100	17:56 67S	
2024 Dec 09 (Mon)	12:35 93	18:43 74S	00:00 264
2024 Dec 10 (Tue)	13:15 85	19:31 81S	00:56 271
2024 Dec 11 (Wed)	13:56 78	20:21 88S	01:52 278
2024 Dec 12 (Thu)	14:41 72	21:15 87N	02:51 285
2024 Dec 13 (Fri)	15:30 66	22:12 82N	03:53 291
2024 Dec 14 (Sat)	16:25 62	23:14 79N	04:58 296
2024 Dec 15 (Sun)	17:25 61		06:04 299
2024 Dec 16 (Mon)	18:28 61	00:17 78N	07:09 300
2024 Dec 17 (Tue)	19:30 63	01:19 79N	08:08 298
2024 Dec 18 (Wed)	20:30 67	02:17 81N	09:00 295
2024 Dec 19 (Thu)	21:25 72	03:09 85N	09:46 291
2024 Dec 20 (Fri)	22:16 77	03:57 90N	10:26 285
2024 Dec 21 (Sat)	23:04 83	04:41 86S	11:02 280
2024 Dec 22 (Sun)	23:51 89	05:22 80S	11:35 274
2024 Dec 23 (Mon)		06:01 74S	12:08 268
2024 Dec 24 (Tue)	00:36 95	06:40 68S	12:40 262
2024 Dec 25 (Wed)	01:23 101	07:20 62S	13:14 256
2024 Dec 26 (Thu)	02:11 107	08:02 57S	13:50 251
2024 Dec 27 (Fri)	03:01 112	08:47 53S	14:30 247
2024 Dec 28 (Sat)	03:54 116	09:36 49S	15:15 243
2024 Dec 29 (Sun)	04:50 118	10:29 47S	16:06 241
2024 Dec 30 (Mon)	05:48 120	11:25 46S	17:02 240
2024 Dec 31 (Tue)	06:45 119	12:22 47S	18:01 242