

Sun

Yasothon

Location: E104°08'52.7", N15°47'56.3", 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)	05:40	06:30	114	12:07 52S	17:43 246		18:33
2024	Jan	02 (Tue)	05:41	06:31	114	12:07 52S	17:43 246		18:34
2024	Jan	03 (Wed)	05:41	06:31	114	12:08 52S	17:44 246		18:34
2024	Jan	04 (Thu)	05:41	06:31	113	12:08 52S	17:45 247		18:35
2024	Jan	05 (Fri)	05:42	06:32	113	12:08 52S	17:45 247		18:35
2024	Jan	06 (Sat)	05:42	06:32	113	12:09 52S	17:46 247		18:36
2024	Jan	07 (Sun)	05:42	06:32	113	12:09 52S	17:46 247		18:36
2024	Jan	08 (Mon)	05:43	06:33	113	12:10 53S	17:47 247		18:37
2024	Jan	09 (Tue)	05:43	06:33	113	12:10 53S	17:48 247		18:37
2024	Jan	10 (Wed)	05:43	06:33	113	12:11 53S	17:48 247		18:38
2024	Jan	11 (Thu)	05:44	06:33	113	12:11 53S	17:49 248		18:39
2024	Jan	12 (Fri)	05:44	06:34	112	12:11 53S	17:49 248		18:39
2024	Jan	13 (Sat)	05:44	06:34	112	12:12 53S	17:50 248		18:40
2024	Jan	14 (Sun)	05:44	06:34	112	12:12 54S	17:51 248		18:40
2024	Jan	15 (Mon)	05:44	06:34	112	12:13 54S	17:51 248		18:41
2024	Jan	16 (Tue)	05:45	06:34	112	12:13 54S	17:52 248		18:41
2024	Jan	17 (Wed)	05:45	06:34	111	12:13 54S	17:52 249		18:42
2024	Jan	18 (Thu)	05:45	06:34	111	12:14 54S	17:53 249		18:42
2024	Jan	19 (Fri)	05:45	06:34	111	12:14 54S	17:54 249		18:43
2024	Jan	20 (Sat)	05:45	06:34	111	12:14 55S	17:54 249		18:43
2024	Jan	21 (Sun)	05:45	06:34	111	12:14 55S	17:55 249		18:44
2024	Jan	22 (Mon)	05:45	06:34	110	12:15 55S	17:55 250		18:44
2024	Jan	23 (Tue)	05:45	06:34	110	12:15 55S	17:56 250		18:45
2024	Jan	24 (Wed)	05:45	06:34	110	12:15 56S	17:56 250		18:45
2024	Jan	25 (Thu)	05:45	06:34	110	12:16 56S	17:57 250		18:46
2024	Jan	26 (Fri)	05:45	06:34	109	12:16 56S	17:57 251		18:46
2024	Jan	27 (Sat)	05:45	06:34	109	12:16 56S	17:58 251		18:47
2024	Jan	28 (Sun)	05:45	06:34	109	12:16 57S	17:58 251		18:47
2024	Jan	29 (Mon)	05:45	06:34	109	12:16 57S	17:59 252		18:48
2024	Jan	30 (Tue)	05:45	06:34	108	12:17 57S	17:59 252		18:48
2024	Jan	31 (Wed)	05:45	06:34	108	12:17 57S	18:00 252		18:48
2024	Feb	01 (Thu)	05:45	06:33	108	12:17 58S	18:00 252		18:49
2024	Feb	02 (Fri)	05:45	06:33	107	12:17 58S	18:01 253		18:49
2024	Feb	03 (Sat)	05:45	06:33	107	12:17 58S	18:01 253		18:50
2024	Feb	04 (Sun)	05:45	06:33	107	12:17 59S	18:02 253		18:50
2024	Feb	05 (Mon)	05:44	06:32	107	12:17 59S	18:02 254		18:50
2024	Feb	06 (Tue)	05:44	06:32	106	12:17 59S	18:03 254		18:51
2024	Feb	07 (Wed)	05:44	06:32	106	12:17 59S	18:03 254		18:51
2024	Feb	08 (Thu)	05:44	06:32	106	12:18 60S	18:04 255		18:51
2024	Feb	09 (Fri)	05:43	06:31	105	12:18 60S	18:04 255		18:52
2024	Feb	10 (Sat)	05:43	06:31	105	12:18 60S	18:04 255		18:52
2024	Feb	11 (Sun)	05:43	06:31	105	12:18 61S	18:05 256		18:53
2024	Feb	12 (Mon)	05:43	06:30	104	12:18 61S	18:05 256		18:53
2024	Feb	13 (Tue)	05:42	06:30	104	12:18 61S	18:06 256		18:53
2024	Feb	14 (Wed)	05:42	06:29	104	12:18 62S	18:06 257		18:53
2024	Feb	15 (Thu)	05:42	06:29	103	12:18 62S	18:06 257		18:54
2024	Feb	16 (Fri)	05:41	06:28	103	12:17 62S	18:07 257		18:54
2024	Feb	17 (Sat)	05:41	06:28	102	12:17 63S	18:07 258		18:54
2024	Feb	18 (Sun)	05:40	06:28	102	12:17 63S	18:07 258		18:55
2024	Feb	19 (Mon)	05:40	06:27	102	12:17 63S	18:08 258		18:55
2024	Feb	20 (Tue)	05:39	06:27	101	12:17 64S	18:08 259		18:55
2024	Feb	21 (Wed)	05:39	06:26	101	12:17 64S	18:08 259		18:55
2024	Feb	22 (Thu)	05:38	06:25	101	12:17 65S	18:09 260		18:56
2024	Feb	23 (Fri)	05:38	06:25	100	12:17 65S	18:09 260		18:56
2024	Feb	24 (Sat)	05:37	06:24	100	12:17 65S	18:09 260		18:56

2024	Feb	25	(Sun)	05:37	06:24	100	12:17	66S	18:10	261	18:56
2024	Feb	26	(Mon)	05:36	06:23	99	12:16	66S	18:10	261	18:57
2024	Feb	27	(Tue)	05:36	06:23	99	12:16	66S	18:10	261	18:57
2024	Feb	28	(Wed)	05:35	06:22	98	12:16	67S	18:10	262	18:57
2024	Feb	29	(Thu)	05:35	06:21	98	12:16	67S	18:11	262	18:57
2024	Mar	01	(Fri)	05:34	06:21	98	12:16	68S	18:11	263	18:57
2024	Mar	02	(Sat)	05:34	06:20	97	12:15	68S	18:11	263	18:58
2024	Mar	03	(Sun)	05:33	06:19	97	12:15	68S	18:11	263	18:58
2024	Mar	04	(Mon)	05:32	06:19	96	12:15	69S	18:11	264	18:58
2024	Mar	05	(Tue)	05:32	06:18	96	12:15	69S	18:12	264	18:58
2024	Mar	06	(Wed)	05:31	06:17	96	12:15	69S	18:12	265	18:58
2024	Mar	07	(Thu)	05:30	06:17	95	12:14	70S	18:12	265	18:59
2024	Mar	08	(Fri)	05:30	06:16	95	12:14	70S	18:12	265	18:59
2024	Mar	09	(Sat)	05:29	06:15	94	12:14	71S	18:12	266	18:59
2024	Mar	10	(Sun)	05:28	06:15	94	12:14	71S	18:13	266	18:59
2024	Mar	11	(Mon)	05:28	06:14	94	12:13	71S	18:13	267	18:59
2024	Mar	12	(Tue)	05:27	06:13	93	12:13	72S	18:13	267	18:59
2024	Mar	13	(Wed)	05:26	06:13	93	12:13	72S	18:13	267	19:00
2024	Mar	14	(Thu)	05:26	06:12	92	12:13	73S	18:13	268	19:00
2024	Mar	15	(Fri)	05:25	06:11	92	12:12	73S	18:14	268	19:00
2024	Mar	16	(Sat)	05:24	06:10	91	12:12	73S	18:14	269	19:00
2024	Mar	17	(Sun)	05:23	06:10	91	12:12	74S	18:14	269	19:00
2024	Mar	18	(Mon)	05:23	06:09	91	12:11	74S	18:14	270	19:00
2024	Mar	19	(Tue)	05:22	06:08	90	12:11	75S	18:14	270	19:01
2024	Mar	20	(Wed)	05:21	06:08	90	12:11	75S	18:14	270	19:01
2024	Mar	21	(Thu)	05:20	06:07	89	12:11	75S	18:14	271	19:01
2024	Mar	22	(Fri)	05:20	06:06	89	12:10	76S	18:15	271	19:01
2024	Mar	23	(Sat)	05:19	06:05	89	12:10	76S	18:15	272	19:01
2024	Mar	24	(Sun)	05:18	06:05	88	12:10	77S	18:15	272	19:01
2024	Mar	25	(Mon)	05:17	06:04	88	12:09	77S	18:15	272	19:02
2024	Mar	26	(Tue)	05:16	06:03	87	12:09	77S	18:15	273	19:02
2024	Mar	27	(Wed)	05:16	06:02	87	12:09	78S	18:15	273	19:02
2024	Mar	28	(Thu)	05:15	06:02	87	12:08	78S	18:15	274	19:02
2024	Mar	29	(Fri)	05:14	06:01	86	12:08	78S	18:16	274	19:02
2024	Mar	30	(Sat)	05:13	06:00	86	12:08	79S	18:16	274	19:02
2024	Mar	31	(Sun)	05:13	05:59	85	12:07	79S	18:16	275	19:03
2024	Apr	01	(Mon)	05:12	05:59	85	12:07	80S	18:16	275	19:03
2024	Apr	02	(Tue)	05:11	05:58	85	12:07	80S	18:16	276	19:03
2024	Apr	03	(Wed)	05:10	05:57	84	12:07	80S	18:16	276	19:03
2024	Apr	04	(Thu)	05:10	05:56	84	12:06	81S	18:17	276	19:03
2024	Apr	05	(Fri)	05:09	05:56	83	12:06	81S	18:17	277	19:04
2024	Apr	06	(Sat)	05:08	05:55	83	12:06	82S	18:17	277	19:04
2024	Apr	07	(Sun)	05:07	05:54	83	12:05	82S	18:17	278	19:04
2024	Apr	08	(Mon)	05:06	05:53	82	12:05	82S	18:17	278	19:04
2024	Apr	09	(Tue)	05:06	05:53	82	12:05	83S	18:17	278	19:04
2024	Apr	10	(Wed)	05:05	05:52	81	12:05	83S	18:17	279	19:05
2024	Apr	11	(Thu)	05:04	05:51	81	12:04	83S	18:18	279	19:05
2024	Apr	12	(Fri)	05:03	05:51	81	12:04	84S	18:18	280	19:05
2024	Apr	13	(Sat)	05:03	05:50	80	12:04	84S	18:18	280	19:05
2024	Apr	14	(Sun)	05:02	05:49	80	12:04	84S	18:18	280	19:06
2024	Apr	15	(Mon)	05:01	05:49	80	12:03	85S	18:18	281	19:06
2024	Apr	16	(Tue)	05:00	05:48	79	12:03	85S	18:19	281	19:06
2024	Apr	17	(Wed)	05:00	05:47	79	12:03	86S	18:19	281	19:06
2024	Apr	18	(Thu)	04:59	05:47	78	12:03	86S	18:19	282	19:07
2024	Apr	19	(Fri)	04:58	05:46	78	12:02	86S	18:19	282	19:07
2024	Apr	20	(Sat)	04:58	05:46	78	12:02	87S	18:19	282	19:07
2024	Apr	21	(Sun)	04:57	05:45	77	12:02	87S	18:19	283	19:07
2024	Apr	22	(Mon)	04:56	05:44	77	12:02	87S	18:20	283	19:08
2024	Apr	23	(Tue)	04:56	05:44	77	12:02	88S	18:20	284	19:08
2024	Apr	24	(Wed)	04:55	05:43	76	12:02	88S	18:20	284	19:08
2024	Apr	25	(Thu)	04:54	05:43	76	12:01	88S	18:20	284	19:09
2024	Apr	26	(Fri)	04:54	05:42	76	12:01	89S	18:21	285	19:09
2024	Apr	27	(Sat)	04:53	05:41	75	12:01	89S	18:21	285	19:09
2024	Apr	28	(Sun)	04:52	05:41	75	12:01	89S	18:21	285	19:10
2024	Apr	29	(Mon)	04:52	05:40	75	12:01	90S	18:21	286	19:10
2024	Apr	30	(Tue)	04:51	05:40	74	12:01	90S	18:22	286	19:10
2024	May	01	(Wed)	04:51	05:39	74	12:00	90S	18:22	286	19:11

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

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

2024	Sep	13	(Fri)	05:05	05:52	86	11:59	79S	18:07	274	18:53
2024	Sep	14	(Sat)	05:05	05:52	86	11:59	78S	18:06	273	18:52
2024	Sep	15	(Sun)	05:05	05:52	87	11:59	78S	18:05	273	18:52
2024	Sep	16	(Mon)	05:05	05:52	87	11:58	77S	18:04	273	18:51
2024	Sep	17	(Tue)	05:05	05:52	88	11:58	77S	18:03	272	18:50
2024	Sep	18	(Wed)	05:06	05:52	88	11:57	77S	18:03	272	18:49
2024	Sep	19	(Thu)	05:06	05:52	88	11:57	76S	18:02	271	18:48
2024	Sep	20	(Fri)	05:06	05:52	89	11:57	76S	18:01	271	18:47
2024	Sep	21	(Sat)	05:06	05:52	89	11:56	75S	18:00	271	18:47
2024	Sep	22	(Sun)	05:06	05:52	90	11:56	75S	17:59	270	18:46
2024	Sep	23	(Mon)	05:06	05:53	90	11:56	75S	17:59	270	18:45
2024	Sep	24	(Tue)	05:06	05:53	90	11:55	74S	17:58	269	18:44
2024	Sep	25	(Wed)	05:06	05:53	91	11:55	74S	17:57	269	18:43
2024	Sep	26	(Thu)	05:06	05:53	91	11:55	73S	17:56	269	18:43
2024	Sep	27	(Fri)	05:06	05:53	92	11:54	73S	17:56	268	18:42
2024	Sep	28	(Sat)	05:07	05:53	92	11:54	73S	17:55	268	18:41
2024	Sep	29	(Sun)	05:07	05:53	92	11:54	72S	17:54	267	18:40
2024	Sep	30	(Mon)	05:07	05:53	93	11:53	72S	17:53	267	18:40
2024	Oct	01	(Tue)	05:07	05:53	93	11:53	72S	17:52	267	18:39
2024	Oct	02	(Wed)	05:07	05:53	94	11:53	71S	17:52	266	18:38
2024	Oct	03	(Thu)	05:07	05:54	94	11:52	71S	17:51	266	18:37
2024	Oct	04	(Fri)	05:07	05:54	94	11:52	70S	17:50	265	18:37
2024	Oct	05	(Sat)	05:07	05:54	95	11:52	70S	17:49	265	18:36
2024	Oct	06	(Sun)	05:07	05:54	95	11:51	70S	17:49	265	18:35
2024	Oct	07	(Mon)	05:08	05:54	96	11:51	69S	17:48	264	18:35
2024	Oct	08	(Tue)	05:08	05:54	96	11:51	69S	17:47	264	18:34
2024	Oct	09	(Wed)	05:08	05:54	96	11:51	68S	17:47	263	18:33
2024	Oct	10	(Thu)	05:08	05:55	97	11:50	68S	17:46	263	18:33
2024	Oct	11	(Fri)	05:08	05:55	97	11:50	68S	17:45	263	18:32
2024	Oct	12	(Sat)	05:08	05:55	98	11:50	67S	17:45	262	18:31
2024	Oct	13	(Sun)	05:08	05:55	98	11:50	67S	17:44	262	18:31
2024	Oct	14	(Mon)	05:09	05:55	98	11:49	67S	17:43	261	18:30
2024	Oct	15	(Tue)	05:09	05:56	99	11:49	66S	17:43	261	18:29
2024	Oct	16	(Wed)	05:09	05:56	99	11:49	66S	17:42	261	18:29
2024	Oct	17	(Thu)	05:09	05:56	99	11:49	65S	17:41	260	18:28
2024	Oct	18	(Fri)	05:09	05:56	100	11:49	65S	17:41	260	18:28
2024	Oct	19	(Sat)	05:09	05:56	100	11:48	65S	17:40	260	18:27
2024	Oct	20	(Sun)	05:10	05:57	101	11:48	64S	17:40	259	18:27
2024	Oct	21	(Mon)	05:10	05:57	101	11:48	64S	17:39	259	18:26
2024	Oct	22	(Tue)	05:10	05:57	101	11:48	64S	17:38	258	18:25
2024	Oct	23	(Wed)	05:10	05:57	102	11:48	63S	17:38	258	18:25
2024	Oct	24	(Thu)	05:10	05:58	102	11:48	63S	17:37	258	18:25
2024	Oct	25	(Fri)	05:11	05:58	102	11:47	63S	17:37	257	18:24
2024	Oct	26	(Sat)	05:11	05:58	103	11:47	62S	17:36	257	18:24
2024	Oct	27	(Sun)	05:11	05:59	103	11:47	62S	17:36	257	18:23
2024	Oct	28	(Mon)	05:11	05:59	103	11:47	62S	17:35	256	18:23
2024	Oct	29	(Tue)	05:12	05:59	104	11:47	61S	17:35	256	18:22
2024	Oct	30	(Wed)	05:12	05:59	104	11:47	61S	17:34	256	18:22
2024	Oct	31	(Thu)	05:12	06:00	105	11:47	61S	17:34	255	18:22
2024	Nov	01	(Fri)	05:12	06:00	105	11:47	60S	17:34	255	18:21
2024	Nov	02	(Sat)	05:13	06:01	105	11:47	60S	17:33	255	18:21
2024	Nov	03	(Sun)	05:13	06:01	105	11:47	60S	17:33	254	18:21
2024	Nov	04	(Mon)	05:13	06:01	106	11:47	59S	17:32	254	18:20
2024	Nov	05	(Tue)	05:14	06:02	106	11:47	59S	17:32	254	18:20
2024	Nov	06	(Wed)	05:14	06:02	106	11:47	59S	17:32	253	18:20
2024	Nov	07	(Thu)	05:14	06:03	107	11:47	58S	17:32	253	18:20
2024	Nov	08	(Fri)	05:15	06:03	107	11:47	58S	17:31	253	18:19
2024	Nov	09	(Sat)	05:15	06:03	107	11:47	58S	17:31	252	18:19
2024	Nov	10	(Sun)	05:15	06:04	108	11:47	58S	17:31	252	18:19
2024	Nov	11	(Mon)	05:16	06:04	108	11:47	57S	17:31	252	18:19
2024	Nov	12	(Tue)	05:16	06:05	108	11:48	57S	17:30	252	18:19
2024	Nov	13	(Wed)	05:17	06:05	109	11:48	57S	17:30	251	18:19
2024	Nov	14	(Thu)	05:17	06:06	109	11:48	57S	17:30	251	18:19
2024	Nov	15	(Fri)	05:17	06:06	109	11:48	56S	17:30	251	18:19
2024	Nov	16	(Sat)	05:18	06:07	109	11:48	56S	17:30	251	18:18
2024	Nov	17	(Sun)	05:18	06:07	110	11:48	56S	17:30	250	18:18
2024	Nov	18	(Mon)	05:19	06:08	110	11:49	56S	17:29	250	18:18

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

Sun

Yasothon

Location: E104°08'52.7", N15°47'56.3", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m	
2024 Jan 01 (Mon)	06:07	06:30	114	12:07	52S	17:43	246	18:06
2024 Jan 02 (Tue)	06:07	06:31	114	12:07	52S	17:43	246	18:07
2024 Jan 03 (Wed)	06:08	06:31	114	12:08	52S	17:44	246	18:07
2024 Jan 04 (Thu)	06:08	06:31	113	12:08	52S	17:45	247	18:08
2024 Jan 05 (Fri)	06:08	06:32	113	12:08	52S	17:45	247	18:08
2024 Jan 06 (Sat)	06:09	06:32	113	12:09	52S	17:46	247	18:09
2024 Jan 07 (Sun)	06:09	06:32	113	12:09	52S	17:46	247	18:10
2024 Jan 08 (Mon)	06:09	06:33	113	12:10	53S	17:47	247	18:10
2024 Jan 09 (Tue)	06:10	06:33	113	12:10	53S	17:48	247	18:11
2024 Jan 10 (Wed)	06:10	06:33	113	12:11	53S	17:48	247	18:11
2024 Jan 11 (Thu)	06:10	06:33	113	12:11	53S	17:49	248	18:12

2024	Jan	12	(Fri)	06:10	06:34	112	12:11	53S	17:49	248	18:13
2024	Jan	13	(Sat)	06:11	06:34	112	12:12	53S	17:50	248	18:13
2024	Jan	14	(Sun)	06:11	06:34	112	12:12	54S	17:51	248	18:14
2024	Jan	15	(Mon)	06:11	06:34	112	12:13	54S	17:51	248	18:14
2024	Jan	16	(Tue)	06:11	06:34	112	12:13	54S	17:52	248	18:15
2024	Jan	17	(Wed)	06:11	06:34	111	12:13	54S	17:52	249	18:15
2024	Jan	18	(Thu)	06:11	06:34	111	12:14	54S	17:53	249	18:16
2024	Jan	19	(Fri)	06:11	06:34	111	12:14	54S	17:54	249	18:16
2024	Jan	20	(Sat)	06:12	06:34	111	12:14	55S	17:54	249	18:17
2024	Jan	21	(Sun)	06:12	06:34	111	12:14	55S	17:55	249	18:17
2024	Jan	22	(Mon)	06:12	06:34	110	12:15	55S	17:55	250	18:18
2024	Jan	23	(Tue)	06:12	06:34	110	12:15	55S	17:56	250	18:19
2024	Jan	24	(Wed)	06:12	06:34	110	12:15	56S	17:56	250	18:19
2024	Jan	25	(Thu)	06:12	06:34	110	12:16	56S	17:57	250	18:20
2024	Jan	26	(Fri)	06:12	06:34	109	12:16	56S	17:57	251	18:20
2024	Jan	27	(Sat)	06:12	06:34	109	12:16	56S	17:58	251	18:21
2024	Jan	28	(Sun)	06:11	06:34	109	12:16	57S	17:58	251	18:21
2024	Jan	29	(Mon)	06:11	06:34	109	12:16	57S	17:59	252	18:22
2024	Jan	30	(Tue)	06:11	06:34	108	12:17	57S	17:59	252	18:22
2024	Jan	31	(Wed)	06:11	06:34	108	12:17	57S	18:00	252	18:22
2024	Feb	01	(Thu)	06:11	06:33	108	12:17	58S	18:00	252	18:23
2024	Feb	02	(Fri)	06:11	06:33	107	12:17	58S	18:01	253	18:23
2024	Feb	03	(Sat)	06:11	06:33	107	12:17	58S	18:01	253	18:24
2024	Feb	04	(Sun)	06:10	06:33	107	12:17	59S	18:02	253	18:24
2024	Feb	05	(Mon)	06:10	06:32	107	12:17	59S	18:02	254	18:25
2024	Feb	06	(Tue)	06:10	06:32	106	12:17	59S	18:03	254	18:25
2024	Feb	07	(Wed)	06:10	06:32	106	12:17	59S	18:03	254	18:25
2024	Feb	08	(Thu)	06:09	06:32	106	12:18	60S	18:04	255	18:26
2024	Feb	09	(Fri)	06:09	06:31	105	12:18	60S	18:04	255	18:26
2024	Feb	10	(Sat)	06:09	06:31	105	12:18	60S	18:04	255	18:27
2024	Feb	11	(Sun)	06:08	06:31	105	12:18	61S	18:05	256	18:27
2024	Feb	12	(Mon)	06:08	06:30	104	12:18	61S	18:05	256	18:27
2024	Feb	13	(Tue)	06:08	06:30	104	12:18	61S	18:06	256	18:28
2024	Feb	14	(Wed)	06:07	06:29	104	12:18	62S	18:06	257	18:28
2024	Feb	15	(Thu)	06:07	06:29	103	12:18	62S	18:06	257	18:28
2024	Feb	16	(Fri)	06:06	06:28	103	12:17	62S	18:07	257	18:29
2024	Feb	17	(Sat)	06:06	06:28	102	12:17	63S	18:07	258	18:29
2024	Feb	18	(Sun)	06:06	06:28	102	12:17	63S	18:07	258	18:29
2024	Feb	19	(Mon)	06:05	06:27	102	12:17	63S	18:08	258	18:30
2024	Feb	20	(Tue)	06:05	06:27	101	12:17	64S	18:08	259	18:30
2024	Feb	21	(Wed)	06:04	06:26	101	12:17	64S	18:08	259	18:30
2024	Feb	22	(Thu)	06:04	06:25	101	12:17	65S	18:09	260	18:30
2024	Feb	23	(Fri)	06:03	06:25	100	12:17	65S	18:09	260	18:31
2024	Feb	24	(Sat)	06:03	06:24	100	12:17	65S	18:09	260	18:31
2024	Feb	25	(Sun)	06:02	06:24	100	12:17	66S	18:10	261	18:31
2024	Feb	26	(Mon)	06:02	06:23	99	12:16	66S	18:10	261	18:31
2024	Feb	27	(Tue)	06:01	06:23	99	12:16	66S	18:10	261	18:32
2024	Feb	28	(Wed)	06:00	06:22	98	12:16	67S	18:10	262	18:32
2024	Feb	29	(Thu)	06:00	06:21	98	12:16	67S	18:11	262	18:32
2024	Mar	01	(Fri)	05:59	06:21	98	12:16	68S	18:11	263	18:32
2024	Mar	02	(Sat)	05:59	06:20	97	12:15	68S	18:11	263	18:33
2024	Mar	03	(Sun)	05:58	06:19	97	12:15	68S	18:11	263	18:33
2024	Mar	04	(Mon)	05:57	06:19	96	12:15	69S	18:11	264	18:33
2024	Mar	05	(Tue)	05:57	06:18	96	12:15	69S	18:12	264	18:33
2024	Mar	06	(Wed)	05:56	06:17	96	12:15	69S	18:12	265	18:33
2024	Mar	07	(Thu)	05:55	06:17	95	12:14	70S	18:12	265	18:34
2024	Mar	08	(Fri)	05:55	06:16	95	12:14	70S	18:12	265	18:34
2024	Mar	09	(Sat)	05:54	06:15	94	12:14	71S	18:12	266	18:34
2024	Mar	10	(Sun)	05:53	06:15	94	12:14	71S	18:13	266	18:34
2024	Mar	11	(Mon)	05:53	06:14	94	12:13	71S	18:13	267	18:34
2024	Mar	12	(Tue)	05:52	06:13	93	12:13	72S	18:13	267	18:35
2024	Mar	13	(Wed)	05:51	06:13	93	12:13	72S	18:13	267	18:35
2024	Mar	14	(Thu)	05:50	06:12	92	12:13	73S	18:13	268	18:35
2024	Mar	15	(Fri)	05:50	06:11	92	12:12	73S	18:14	268	18:35
2024	Mar	16	(Sat)	05:49	06:10	91	12:12	73S	18:14	269	18:35
2024	Mar	17	(Sun)	05:48	06:10	91	12:12	74S	18:14	269	18:35
2024	Mar	18	(Mon)	05:48	06:09	91	12:11	74S	18:14	270	18:36

2024	Mar	19	(Tue)	05:47	06:08	90	12:11	75S	18:14	270	18:36
2024	Mar	20	(Wed)	05:46	06:08	90	12:11	75S	18:14	270	18:36
2024	Mar	21	(Thu)	05:45	06:07	89	12:11	75S	18:14	271	18:36
2024	Mar	22	(Fri)	05:45	06:06	89	12:10	76S	18:15	271	18:36
2024	Mar	23	(Sat)	05:44	06:05	89	12:10	76S	18:15	272	18:36
2024	Mar	24	(Sun)	05:43	06:05	88	12:10	77S	18:15	272	18:36
2024	Mar	25	(Mon)	05:42	06:04	88	12:09	77S	18:15	272	18:37
2024	Mar	26	(Tue)	05:42	06:03	87	12:09	77S	18:15	273	18:37
2024	Mar	27	(Wed)	05:41	06:02	87	12:09	78S	18:15	273	18:37
2024	Mar	28	(Thu)	05:40	06:02	87	12:08	78S	18:15	274	18:37
2024	Mar	29	(Fri)	05:39	06:01	86	12:08	78S	18:16	274	18:37
2024	Mar	30	(Sat)	05:38	06:00	86	12:08	79S	18:16	274	18:37
2024	Mar	31	(Sun)	05:38	05:59	85	12:07	79S	18:16	275	18:38
2024	Apr	01	(Mon)	05:37	05:59	85	12:07	80S	18:16	275	18:38
2024	Apr	02	(Tue)	05:36	05:58	85	12:07	80S	18:16	276	18:38
2024	Apr	03	(Wed)	05:35	05:57	84	12:07	80S	18:16	276	18:38
2024	Apr	04	(Thu)	05:35	05:56	84	12:06	81S	18:17	276	18:38
2024	Apr	05	(Fri)	05:34	05:56	83	12:06	81S	18:17	277	18:38
2024	Apr	06	(Sat)	05:33	05:55	83	12:06	82S	18:17	277	18:39
2024	Apr	07	(Sun)	05:33	05:54	83	12:05	82S	18:17	278	18:39
2024	Apr	08	(Mon)	05:32	05:53	82	12:05	82S	18:17	278	18:39
2024	Apr	09	(Tue)	05:31	05:53	82	12:05	83S	18:17	278	18:39
2024	Apr	10	(Wed)	05:30	05:52	81	12:05	83S	18:17	279	18:39
2024	Apr	11	(Thu)	05:30	05:51	81	12:04	83S	18:18	279	18:39
2024	Apr	12	(Fri)	05:29	05:51	81	12:04	84S	18:18	280	18:40
2024	Apr	13	(Sat)	05:28	05:50	80	12:04	84S	18:18	280	18:40
2024	Apr	14	(Sun)	05:27	05:49	80	12:04	84S	18:18	280	18:40
2024	Apr	15	(Mon)	05:27	05:49	80	12:03	85S	18:18	281	18:40
2024	Apr	16	(Tue)	05:26	05:48	79	12:03	85S	18:19	281	18:40
2024	Apr	17	(Wed)	05:25	05:47	79	12:03	86S	18:19	281	18:41
2024	Apr	18	(Thu)	05:25	05:47	78	12:03	86S	18:19	282	18:41
2024	Apr	19	(Fri)	05:24	05:46	78	12:02	86S	18:19	282	18:41
2024	Apr	20	(Sat)	05:23	05:46	78	12:02	87S	18:19	282	18:41
2024	Apr	21	(Sun)	05:23	05:45	77	12:02	87S	18:19	283	18:42
2024	Apr	22	(Mon)	05:22	05:44	77	12:02	87S	18:20	283	18:42
2024	Apr	23	(Tue)	05:22	05:44	77	12:02	88S	18:20	284	18:42
2024	Apr	24	(Wed)	05:21	05:43	76	12:02	88S	18:20	284	18:42
2024	Apr	25	(Thu)	05:20	05:43	76	12:01	88S	18:20	284	18:43
2024	Apr	26	(Fri)	05:20	05:42	76	12:01	89S	18:21	285	18:43
2024	Apr	27	(Sat)	05:19	05:41	75	12:01	89S	18:21	285	18:43
2024	Apr	28	(Sun)	05:19	05:41	75	12:01	89S	18:21	285	18:43
2024	Apr	29	(Mon)	05:18	05:40	75	12:01	90S	18:21	286	18:44
2024	Apr	30	(Tue)	05:17	05:40	74	12:01	90S	18:22	286	18:44
2024	May	01	(Wed)	05:17	05:39	74	12:00	90S	18:22	286	18:44
2024	May	02	(Thu)	05:16	05:39	74	12:00	90S	18:22	286	18:45
2024	May	03	(Fri)	05:16	05:38	73	12:00	91N	18:22	287	18:45
2024	May	04	(Sat)	05:15	05:38	73	12:00	90N	18:23	287	18:45
2024	May	05	(Sun)	05:15	05:38	73	12:00	90N	18:23	287	18:45
2024	May	06	(Mon)	05:14	05:37	72	12:00	90N	18:23	288	18:46
2024	May	07	(Tue)	05:14	05:37	72	12:00	90N	18:23	288	18:46
2024	May	08	(Wed)	05:14	05:36	72	12:00	89N	18:24	288	18:46
2024	May	09	(Thu)	05:13	05:36	72	12:00	89N	18:24	289	18:47
2024	May	10	(Fri)	05:13	05:36	71	12:00	89N	18:24	289	18:47
2024	May	11	(Sat)	05:12	05:35	71	12:00	89N	18:25	289	18:47
2024	May	12	(Sun)	05:12	05:35	71	12:00	88N	18:25	289	18:48
2024	May	13	(Mon)	05:12	05:34	71	12:00	88N	18:25	290	18:48
2024	May	14	(Tue)	05:11	05:34	70	12:00	88N	18:26	290	18:49
2024	May	15	(Wed)	05:11	05:34	70	12:00	88N	18:26	290	18:49
2024	May	16	(Thu)	05:11	05:34	70	12:00	87N	18:26	290	18:49
2024	May	17	(Fri)	05:10	05:33	70	12:00	87N	18:27	291	18:50
2024	May	18	(Sat)	05:10	05:33	69	12:00	87N	18:27	291	18:50
2024	May	19	(Sun)	05:10	05:33	69	12:00	87N	18:27	291	18:50
2024	May	20	(Mon)	05:09	05:33	69	12:00	86N	18:27	291	18:51
2024	May	21	(Tue)	05:09	05:32	69	12:00	86N	18:28	291	18:51
2024	May	22	(Wed)	05:09	05:32	68	12:00	86N	18:28	292	18:51
2024	May	23	(Thu)	05:09	05:32	68	12:00	86N	18:28	292	18:52
2024	May	24	(Fri)	05:09	05:32	68	12:00	86N	18:29	292	18:52

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

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

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

2024	Dec 12	(Thu)	05:58	06:21	114	11:57	52S	17:33	246	17:57
2024	Dec 13	(Fri)	05:58	06:22	114	11:58	52S	17:34	246	17:57
2024	Dec 14	(Sat)	05:59	06:22	114	11:58	52S	17:34	246	17:57
2024	Dec 15	(Sun)	05:59	06:23	114	11:59	52S	17:35	246	17:58
2024	Dec 16	(Mon)	06:00	06:23	114	11:59	52S	17:35	246	17:58
2024	Dec 17	(Tue)	06:00	06:24	114	12:00	52S	17:35	246	17:59
2024	Dec 18	(Wed)	06:01	06:24	114	12:00	52S	17:36	246	17:59
2024	Dec 19	(Thu)	06:01	06:25	114	12:01	51S	17:36	246	18:00
2024	Dec 20	(Fri)	06:02	06:25	114	12:01	51S	17:37	246	18:00
2024	Dec 21	(Sat)	06:02	06:26	114	12:02	51S	17:37	246	18:01
2024	Dec 22	(Sun)	06:03	06:26	114	12:02	51S	17:38	246	18:01
2024	Dec 23	(Mon)	06:03	06:27	114	12:03	51S	17:38	246	18:02
2024	Dec 24	(Tue)	06:04	06:27	114	12:03	52S	17:39	246	18:02
2024	Dec 25	(Wed)	06:04	06:28	114	12:04	52S	17:39	246	18:03
2024	Dec 26	(Thu)	06:05	06:28	114	12:04	52S	17:40	246	18:03
2024	Dec 27	(Fri)	06:05	06:29	114	12:05	52S	17:40	246	18:04
2024	Dec 28	(Sat)	06:06	06:29	114	12:05	52S	17:41	246	18:04
2024	Dec 29	(Sun)	06:06	06:29	114	12:06	52S	17:42	246	18:05
2024	Dec 30	(Mon)	06:07	06:30	114	12:06	52S	17:42	246	18:05
2024	Dec 31	(Tue)	06:07	06:30	114	12:06	52S	17:43	246	18:06

Moon

Yasothon

Location: E104°08'52.7", N15°47'56.3", 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	°
2024	Jan 01	(Mon)	22:14	80	03:54	88S	10:18	282
2024	Jan 02	(Tue)	23:00	86	04:34	83S	10:52	277
2024	Jan 03	(Wed)	23:46	92	05:14	77S	11:24	271
2024	Jan 04	(Thu)			05:53	71S	11:57	265
2024	Jan 05	(Fri)	00:33	98	06:33	65S	12:31	259
2024	Jan 06	(Sat)	01:21	104	07:16	60S	13:08	253
2024	Jan 07	(Sun)	02:14	109	08:03	55S	13:49	248
2024	Jan 08	(Mon)	03:10	114	08:54	50S	14:36	244
2024	Jan 09	(Tue)	04:11	118	09:51	47S	15:31	241
2024	Jan 10	(Wed)	05:14	119	10:53	46S	16:32	241
2024	Jan 11	(Thu)	06:17	119	11:57	47S	17:37	242
2024	Jan 12	(Fri)	07:17	116	13:00	50S	18:44	245
2024	Jan 13	(Sat)	08:11	112	13:59	54S	19:50	251
2024	Jan 14	(Sun)	09:00	106	14:54	60S	20:52	257
2024	Jan 15	(Mon)	09:45	99	15:46	67S	21:51	264
2024	Jan 16	(Tue)	10:26	92	16:35	74S	22:48	272
2024	Jan 17	(Wed)	11:06	85	17:23	81S	23:44	279
2024	Jan 18	(Thu)	11:46	78	18:11	88S		
2024	Jan 19	(Fri)	12:27	72	19:00	88N	00:40	285
2024	Jan 20	(Sat)	13:12	67	19:52	83N	01:36	291
2024	Jan 21	(Sun)	14:00	63	20:45	80N	02:34	295
2024	Jan 22	(Mon)	14:52	61	21:40	78N	03:33	298
2024	Jan 23	(Tue)	15:46	61	22:36	78N	04:30	299
2024	Jan 24	(Wed)	16:42	62	23:29	80N	05:24	299
2024	Jan 25	(Thu)	17:37	64			06:14	297
2024	Jan 26	(Fri)	18:30	68	00:20	83N	06:59	294
2024	Jan 27	(Sat)	19:21	73	01:07	87N	07:40	289
2024	Jan 28	(Sun)	20:09	78	01:50	90S	08:17	284
2024	Jan 29	(Mon)	20:55	84	02:31	85S	08:51	279
2024	Jan 30	(Tue)	21:41	90	03:11	79S	09:23	273
2024	Jan 31	(Wed)	22:26	96	03:50	73S	09:56	267
2024	Feb 01	(Thu)	23:14	102	04:29	67S	10:28	261
2024	Feb 02	(Fri)			05:10	62S	11:03	255
2024	Feb 03	(Sat)	00:03	107	05:54	56S	11:42	250
2024	Feb 04	(Sun)	00:56	112	06:42	52S	12:25	246

2024	Feb	05	(Mon)	01:54	116	07:35	48S	13:15	242
2024	Feb	06	(Tue)	02:54	119	08:33	46S	14:11	241
2024	Feb	07	(Wed)	03:57	120	09:35	46S	15:14	241
2024	Feb	08	(Thu)	04:58	118	10:38	48S	16:20	243
2024	Feb	09	(Fri)	05:55	115	11:40	52S	17:28	248
2024	Feb	10	(Sat)	06:48	109	12:39	57S	18:33	254
2024	Feb	11	(Sun)	07:35	103	13:33	64S	19:36	261
2024	Feb	12	(Mon)	08:19	95	14:25	71S	20:36	269
2024	Feb	13	(Tue)	09:01	88	15:15	79S	21:34	276
2024	Feb	14	(Wed)	09:42	80	16:05	86S	22:32	283
2024	Feb	15	(Thu)	10:24	74	16:55	89N	23:30	289
2024	Feb	16	(Fri)	11:09	68	17:47	84N		
2024	Feb	17	(Sat)	11:57	64	18:41	81N	00:29	294
2024	Feb	18	(Sun)	12:48	61	19:36	78N	01:28	298
2024	Feb	19	(Mon)	13:42	60	20:31	78N	02:26	299
2024	Feb	20	(Tue)	14:37	61	21:25	79N	03:21	299
2024	Feb	21	(Wed)	15:32	63	22:16	82N	04:12	298
2024	Feb	22	(Thu)	16:25	67	23:04	85N	04:58	295
2024	Feb	23	(Fri)	17:16	71	23:48	90N	05:39	291
2024	Feb	24	(Sat)	18:05	77			06:17	286
2024	Feb	25	(Sun)	18:52	82	00:30	86S	06:52	281
2024	Feb	26	(Mon)	19:37	88	01:10	81S	07:25	275
2024	Feb	27	(Tue)	20:23	94	01:49	75S	07:57	269
2024	Feb	28	(Wed)	21:09	100	02:28	69S	08:29	263
2024	Feb	29	(Thu)	21:58	106	03:08	63S	09:03	257
2024	Mar	01	(Fri)	22:49	111	03:50	58S	09:39	252
2024	Mar	02	(Sat)	23:43	115	04:36	53S	10:20	247
2024	Mar	03	(Sun)			05:25	49S	11:06	243
2024	Mar	04	(Mon)	00:41	118	06:20	47S	11:58	241
2024	Mar	05	(Tue)	01:41	120	07:18	46S	12:56	240
2024	Mar	06	(Wed)	02:41	119	08:19	47S	13:59	242
2024	Mar	07	(Thu)	03:38	117	09:20	49S	15:04	245
2024	Mar	08	(Fri)	04:32	112	10:19	54S	16:10	250
2024	Mar	09	(Sat)	05:21	106	11:15	60S	17:13	257
2024	Mar	10	(Sun)	06:07	99	12:09	67S	18:15	264
2024	Mar	11	(Mon)	06:50	92	13:01	75S	19:16	272
2024	Mar	12	(Tue)	07:33	84	13:52	83S	20:16	280
2024	Mar	13	(Wed)	08:16	77	14:44	89S	21:16	287
2024	Mar	14	(Thu)	09:01	70	15:37	86N	22:17	292
2024	Mar	15	(Fri)	09:50	65	16:32	82N	23:18	297
2024	Mar	16	(Sat)	10:41	62	17:29	79N		
2024	Mar	17	(Sun)	11:35	60	18:26	78N	00:18	299
2024	Mar	18	(Mon)	12:31	61	19:21	78N	01:16	300
2024	Mar	19	(Tue)	13:27	62	20:13	80N	02:09	299
2024	Mar	20	(Wed)	14:21	65	21:02	84N	02:56	296
2024	Mar	21	(Thu)	15:12	70	21:47	88N	03:39	292
2024	Mar	22	(Fri)	16:02	75	22:29	88S	04:18	288
2024	Mar	23	(Sat)	16:49	80	23:09	83S	04:53	282
2024	Mar	24	(Sun)	17:35	86	23:48	77S	05:26	277
2024	Mar	25	(Mon)	18:21	92			05:59	271
2024	Mar	26	(Tue)	19:07	98	00:27	71S	06:31	265
2024	Mar	27	(Wed)	19:55	104	01:07	65S	07:04	259
2024	Mar	28	(Thu)	20:45	109	01:49	60S	07:40	253
2024	Mar	29	(Fri)	21:38	114	02:33	55S	08:19	248
2024	Mar	30	(Sat)	22:34	117	03:21	50S	09:03	244
2024	Mar	31	(Sun)	23:32	119	04:14	47S	09:52	241
2024	Apr	01	(Mon)			05:10	46S	10:47	240
2024	Apr	02	(Tue)	00:31	120	06:08	46S	11:46	241
2024	Apr	03	(Wed)	01:27	118	07:07	48S	12:49	243
2024	Apr	04	(Thu)	02:21	115	08:05	52S	13:52	248
2024	Apr	05	(Fri)	03:10	109	09:00	57S	14:54	253
2024	Apr	06	(Sat)	03:56	103	09:54	64S	15:55	260
2024	Apr	07	(Sun)	04:39	96	10:45	71S	16:55	268
2024	Apr	08	(Mon)	05:22	88	11:36	79S	17:55	276
2024	Apr	09	(Tue)	06:05	80	12:28	86S	18:56	283
2024	Apr	10	(Wed)	06:49	73	13:21	89N	19:58	290
2024	Apr	11	(Thu)	07:37	68	14:17	84N	21:01	295

2024 Apr 12 (Fri)	08:29 63	15:15 80N	22:04 298
2024 Apr 13 (Sat)	09:24 61	16:14 78N	23:05 300
2024 Apr 14 (Sun)	10:21 60	17:12 78N	
2024 Apr 15 (Mon)	11:18 61	18:06 80N	00:01 299
2024 Apr 16 (Tue)	12:14 64	18:57 82N	00:52 297
2024 Apr 17 (Wed)	13:07 68	19:44 87N	01:37 294
2024 Apr 18 (Thu)	13:57 73	20:27 90S	02:17 289
2024 Apr 19 (Fri)	14:45 78	21:08 85S	02:54 284
2024 Apr 20 (Sat)	15:32 84	21:47 79S	03:28 279
2024 Apr 21 (Sun)	16:17 90	22:26 73S	04:00 273
2024 Apr 22 (Mon)	17:03 96	23:06 67S	04:32 267
2024 Apr 23 (Tue)	17:51 102	23:47 61S	05:05 261
2024 Apr 24 (Wed)	18:41 108		05:40 255
2024 Apr 25 (Thu)	19:33 113	00:31 56S	06:18 250
2024 Apr 26 (Fri)	20:29 116	01:18 52S	07:01 245
2024 Apr 27 (Sat)	21:27 119	02:10 48S	07:49 242
2024 Apr 28 (Sun)	22:25 120	03:05 46S	08:42 240
2024 Apr 29 (Mon)	23:22 119	04:03 46S	09:40 240
2024 Apr 30 (Tue)		05:01 47S	10:41 242
2024 May 01 (Wed)	00:16 116	05:58 50S	11:42 246
2024 May 02 (Thu)	01:05 111	06:53 55S	12:43 251
2024 May 03 (Fri)	01:50 106	07:45 61S	13:42 258
2024 May 04 (Sat)	02:33 99	08:35 68S	14:41 265
2024 May 05 (Sun)	03:14 92	09:24 75S	15:38 272
2024 May 06 (Mon)	03:55 84	10:14 82S	16:37 280
2024 May 07 (Tue)	04:38 77	11:06 89S	17:38 287
2024 May 08 (Wed)	05:24 70	12:00 86N	18:40 292
2024 May 09 (Thu)	06:14 65	12:58 82N	19:44 297
2024 May 10 (Fri)	07:08 62	13:57 79N	20:48 299
2024 May 11 (Sat)	08:06 60	14:57 78N	21:48 300
2024 May 12 (Sun)	09:05 61	15:55 79N	22:42 298
2024 May 13 (Mon)	10:03 63	16:48 81N	23:31 295
2024 May 14 (Tue)	10:58 67	17:38 85N	
2024 May 15 (Wed)	11:51 71	18:23 90N	00:14 291
2024 May 16 (Thu)	12:40 76	19:05 87S	00:52 286
2024 May 17 (Fri)	13:27 82	19:45 81S	01:27 281
2024 May 18 (Sat)	14:12 88	20:24 75S	02:00 275
2024 May 19 (Sun)	14:58 94	21:03 69S	02:32 269
2024 May 20 (Mon)	15:45 100	21:44 64S	03:05 263
2024 May 21 (Tue)	16:34 106	22:27 58S	03:39 257
2024 May 22 (Wed)	17:26 111	23:13 53S	04:16 252
2024 May 23 (Thu)	18:21 115		04:58 247
2024 May 24 (Fri)	19:20 118	00:04 49S	05:44 243
2024 May 25 (Sat)	20:19 120	00:59 47S	06:36 241
2024 May 26 (Sun)	21:17 119	01:56 46S	07:34 240
2024 May 27 (Mon)	22:12 117	02:56 47S	08:35 242
2024 May 28 (Tue)	23:03 113	03:53 49S	09:37 245
2024 May 29 (Wed)	23:49 107	04:49 54S	10:38 250
2024 May 30 (Thu)		05:41 59S	11:37 256
2024 May 31 (Fri)	00:32 101	06:31 66S	12:34 262
2024 Jun 01 (Sat)	01:12 94	07:19 73S	13:30 270
2024 Jun 02 (Sun)	01:52 87	08:07 80S	14:26 277
2024 Jun 03 (Mon)	02:32 80	08:56 87S	15:24 284
2024 Jun 04 (Tue)	03:16 73	09:48 89N	16:24 290
2024 Jun 05 (Wed)	04:03 67	10:43 83N	17:27 295
2024 Jun 06 (Thu)	04:55 63	11:41 80N	18:30 298
2024 Jun 07 (Fri)	05:51 61	12:41 78N	19:32 300
2024 Jun 08 (Sat)	06:50 61	13:40 78N	20:30 299
2024 Jun 09 (Sun)	07:49 62	14:37 80N	21:22 297
2024 Jun 10 (Mon)	08:47 65	15:29 83N	22:08 293
2024 Jun 11 (Tue)	09:41 69	16:16 88N	22:48 288
2024 Jun 12 (Wed)	10:32 74	17:00 89S	23:25 283
2024 Jun 13 (Thu)	11:20 80	17:41 83S	23:59 277
2024 Jun 14 (Fri)	12:06 86	18:20 77S	
2024 Jun 15 (Sat)	12:52 92	18:59 71S	00:31 271
2024 Jun 16 (Sun)	13:38 98	19:39 66S	01:03 265
2024 Jun 17 (Mon)	14:26 104	20:20 60S	01:37 259

2024 Jun 18 (Tue)	15:16 109	21:05 55S	02:12 254
2024 Jun 19 (Wed)	16:10 114	21:54 51S	02:52 249
2024 Jun 20 (Thu)	17:08 117	22:48 48S	03:36 245
2024 Jun 21 (Fri)	18:08 119	23:46 46S	04:27 242
2024 Jun 22 (Sat)	19:08 119		05:23 240
2024 Jun 23 (Sun)	20:05 118	00:46 46S	06:25 241
2024 Jun 24 (Mon)	20:59 114	01:46 48S	07:28 244
2024 Jun 25 (Tue)	21:47 109	02:43 52S	08:30 248
2024 Jun 26 (Wed)	22:31 103	03:37 57S	09:31 254
2024 Jun 27 (Thu)	23:12 96	04:28 64S	10:29 261
2024 Jun 28 (Fri)	23:52 89	05:17 71S	11:26 268
2024 Jun 29 (Sat)		06:04 78S	12:21 275
2024 Jun 30 (Sun)	00:31 82	06:53 85S	13:18 282
2024 Jul 01 (Mon)	01:13 75	07:42 90N	14:16 288
2024 Jul 02 (Tue)	01:58 69	08:35 85N	15:16 293
2024 Jul 03 (Wed)	02:46 65	09:31 81N	16:18 297
2024 Jul 04 (Thu)	03:40 62	10:29 79N	17:19 299
2024 Jul 05 (Fri)	04:37 60	11:28 78N	18:18 299
2024 Jul 06 (Sat)	05:36 61	12:25 79N	19:12 298
2024 Jul 07 (Sun)	06:35 64	13:19 82N	20:01 294
2024 Jul 08 (Mon)	07:31 67	14:09 86N	20:43 290
2024 Jul 09 (Tue)	08:23 72	14:54 91S	21:22 285
2024 Jul 10 (Wed)	09:13 78	15:36 85S	21:57 279
2024 Jul 11 (Thu)	10:00 84	16:16 79S	22:30 273
2024 Jul 12 (Fri)	10:45 90	16:55 74S	23:02 267
2024 Jul 13 (Sat)	11:31 96	17:34 68S	23:34 262
2024 Jul 14 (Sun)	12:18 101	18:15 62S	
2024 Jul 15 (Mon)	13:06 107	18:57 57S	00:08 256
2024 Jul 16 (Tue)	13:58 112	19:44 52S	00:46 251
2024 Jul 17 (Wed)	14:54 116	20:35 49S	01:28 246
2024 Jul 18 (Thu)	15:52 119	21:31 46S	02:15 243
2024 Jul 19 (Fri)	16:53 120	22:31 46S	03:09 241
2024 Jul 20 (Sat)	17:52 119	23:31 47S	04:09 240
2024 Jul 21 (Sun)	18:48 116		05:12 242
2024 Jul 22 (Mon)	19:40 111	00:31 50S	06:17 246
2024 Jul 23 (Tue)	20:27 105	01:28 55S	07:20 252
2024 Jul 24 (Wed)	21:10 98	02:22 62S	08:21 258
2024 Jul 25 (Thu)	21:51 91	03:13 68S	09:19 265
2024 Jul 26 (Fri)	22:31 83	04:01 76S	10:16 273
2024 Jul 27 (Sat)	23:12 77	04:50 83S	11:13 280
2024 Jul 28 (Sun)	23:56 71	05:40 89S	12:11 287
2024 Jul 29 (Mon)		06:31 86N	13:10 292
2024 Jul 30 (Tue)	00:43 66	07:26 82N	14:11 296
2024 Jul 31 (Wed)	01:35 62	08:22 79N	15:12 299
2024 Aug 01 (Thu)	02:30 61	09:20 78N	16:11 300
2024 Aug 02 (Fri)	03:28 61	10:17 78N	17:06 299
2024 Aug 03 (Sat)	04:26 63	11:12 81N	17:55 296
2024 Aug 04 (Sun)	05:22 66	12:03 84N	18:40 292
2024 Aug 05 (Mon)	06:16 70	12:49 89N	19:19 287
2024 Aug 06 (Tue)	07:06 76	13:33 87S	19:55 281
2024 Aug 07 (Wed)	07:54 81	14:13 82S	20:29 276
2024 Aug 08 (Thu)	08:40 87	14:52 76S	21:01 270
2024 Aug 09 (Fri)	09:26 94	15:31 70S	21:33 264
2024 Aug 10 (Sat)	10:12 99	16:11 64S	22:06 258
2024 Aug 11 (Sun)	10:59 105	16:52 59S	22:42 252
2024 Aug 12 (Mon)	11:49 110	17:36 54S	23:21 248
2024 Aug 13 (Tue)	12:42 115	18:24 50S	
2024 Aug 14 (Wed)	13:38 118	19:17 47S	00:05 244
2024 Aug 15 (Thu)	14:37 120	20:14 46S	00:55 241
2024 Aug 16 (Fri)	15:36 120	21:14 46S	01:51 240
2024 Aug 17 (Sat)	16:33 118	22:14 49S	02:53 241
2024 Aug 18 (Sun)	17:27 114	23:13 53S	03:57 244
2024 Aug 19 (Mon)	18:17 108		05:01 249
2024 Aug 20 (Tue)	19:02 101	00:09 59S	06:04 255
2024 Aug 21 (Wed)	19:45 94	01:02 65S	07:05 262
2024 Aug 22 (Thu)	20:27 86	01:53 73S	08:05 270
2024 Aug 23 (Fri)	21:09 79	02:43 80S	09:04 278

2024 Aug 24 (Sat)	21:53	72	03:34	87S	10:03	285
2024 Aug 25 (Sun)	22:40	67	04:26	88N	11:03	291
2024 Aug 26 (Mon)	23:31	63	05:21	83N	12:05	296
2024 Aug 27 (Tue)			06:18	80N	13:06	299
2024 Aug 28 (Wed)	00:25	61	07:15	78N	14:06	300
2024 Aug 29 (Thu)	01:22	60	08:13	78N	15:02	299
2024 Aug 30 (Fri)	02:20	62	09:08	80N	15:53	297
2024 Aug 31 (Sat)	03:16	65	09:59	83N	16:38	293
2024 Sep 01 (Sun)	04:10	69	10:46	87N	17:19	289
2024 Sep 02 (Mon)	05:01	74	11:30	89S	17:56	283
2024 Sep 03 (Tue)	05:50	79	12:12	84S	18:30	278
2024 Sep 04 (Wed)	06:36	85	12:51	78S	19:02	272
2024 Sep 05 (Thu)	07:22	91	13:30	72S	19:34	266
2024 Sep 06 (Fri)	08:08	97	14:09	66S	20:07	260
2024 Sep 07 (Sat)	08:54	103	14:49	60S	20:41	254
2024 Sep 08 (Sun)	09:43	109	15:32	55S	21:18	249
2024 Sep 09 (Mon)	10:34	113	16:18	51S	22:00	245
2024 Sep 10 (Tue)	11:28	117	17:08	48S	22:46	242
2024 Sep 11 (Wed)	12:24	119	18:02	46S	23:38	240
2024 Sep 12 (Thu)	13:22	120	18:59	46S		
2024 Sep 13 (Fri)	14:19	119	19:57	47S	00:36	240
2024 Sep 14 (Sat)	15:13	116	20:55	50S	01:37	242
2024 Sep 15 (Sun)	16:04	111	21:52	55S	02:40	246
2024 Sep 16 (Mon)	16:51	105	22:46	62S	03:44	252
2024 Sep 17 (Tue)	17:35	98	23:39	69S	04:45	258
2024 Sep 18 (Wed)	18:18	90			05:46	266
2024 Sep 19 (Thu)	19:01	82	00:30	77S	06:47	274
2024 Sep 20 (Fri)	19:45	75	01:22	84S	07:47	282
2024 Sep 21 (Sat)	20:32	69	02:15	90N	08:50	288
2024 Sep 22 (Sun)	21:23	64	03:11	85N	09:53	294
2024 Sep 23 (Mon)	22:18	61	04:09	80N	10:57	298
2024 Sep 24 (Tue)	23:16	60	05:08	78N	11:59	300
2024 Sep 25 (Wed)			06:07	78N	12:58	300
2024 Sep 26 (Thu)	00:15	61	07:03	79N	13:51	298
2024 Sep 27 (Fri)	01:12	63	07:56	82N	14:38	295
2024 Sep 28 (Sat)	02:06	67	08:45	86N	15:19	290
2024 Sep 29 (Sun)	02:58	72	09:29	91N	15:57	285
2024 Sep 30 (Mon)	03:47	78	10:11	85S	16:32	280
2024 Oct 01 (Tue)	04:34	83	10:51	80S	17:04	274
2024 Oct 02 (Wed)	05:20	89	11:30	74S	17:36	268
2024 Oct 03 (Thu)	06:05	96	12:08	68S	18:08	262
2024 Oct 04 (Fri)	06:51	101	12:48	62S	18:42	256
2024 Oct 05 (Sat)	07:39	107	13:30	57S	19:18	251
2024 Oct 06 (Sun)	08:29	112	14:15	53S	19:58	246
2024 Oct 07 (Mon)	09:22	116	15:03	49S	20:42	243
2024 Oct 08 (Tue)	10:17	119	15:55	46S	21:32	241
2024 Oct 09 (Wed)	11:13	120	16:50	46S	22:26	240
2024 Oct 10 (Thu)	12:09	120	17:46	46S	23:25	241
2024 Oct 11 (Fri)	13:03	117	18:43	49S		
2024 Oct 12 (Sat)	13:53	114	19:38	53S	00:25	244
2024 Oct 13 (Sun)	14:40	108	20:31	58S	01:26	249
2024 Oct 14 (Mon)	15:24	102	21:23	65S	02:26	255
2024 Oct 15 (Tue)	16:07	94	22:14	72S	03:26	262
2024 Oct 16 (Wed)	16:49	86	23:05	80S	04:26	270
2024 Oct 17 (Thu)	17:33	79	23:58	87S	05:26	277
2024 Oct 18 (Fri)	18:19	72			06:28	285
2024 Oct 19 (Sat)	19:10	66	00:54	87N	07:33	291
2024 Oct 20 (Sun)	20:05	62	01:53	82N	08:39	296
2024 Oct 21 (Mon)	21:04	60	02:54	79N	09:44	299
2024 Oct 22 (Tue)	22:04	60	03:55	78N	10:47	300
2024 Oct 23 (Wed)	23:04	62	04:55	78N	11:44	299
2024 Oct 24 (Thu)			05:50	81N	12:34	296
2024 Oct 25 (Fri)	00:01	66	06:41	84N	13:18	292
2024 Oct 26 (Sat)	00:54	70	07:27	89N	13:57	287
2024 Oct 27 (Sun)	01:44	76	08:10	87S	14:33	281
2024 Oct 28 (Mon)	02:31	81	08:50	82S	15:06	276
2024 Oct 29 (Tue)	03:17	87	09:29	76S	15:38	270

2024	Oct	30	(Wed)	04:02	94	10:08	70S	16:10	264
2024	Oct	31	(Thu)	04:48	99	10:47	64S	16:43	258
2024	Nov	01	(Fri)	05:36	105	11:29	59S	17:19	252
2024	Nov	02	(Sat)	06:26	110	12:13	54S	17:58	248
2024	Nov	03	(Sun)	07:18	115	13:00	50S	18:41	244
2024	Nov	04	(Mon)	08:12	118	13:51	47S	19:29	241
2024	Nov	05	(Tue)	09:08	120	14:45	46S	20:22	240
2024	Nov	06	(Wed)	10:04	120	15:41	46S	21:18	241
2024	Nov	07	(Thu)	10:58	118	16:37	48S	22:17	243
2024	Nov	08	(Fri)	11:48	115	17:31	51S	23:16	247
2024	Nov	09	(Sat)	12:35	110	18:23	56S		
2024	Nov	10	(Sun)	13:18	104	19:13	62S	00:15	252
2024	Nov	11	(Mon)	13:59	98	20:02	69S	01:12	259
2024	Nov	12	(Tue)	14:40	90	20:52	76S	02:10	266
2024	Nov	13	(Wed)	15:22	83	21:42	84S	03:07	274
2024	Nov	14	(Thu)	16:06	75	22:35	91S	04:07	281
2024	Nov	15	(Fri)	16:54	69	23:32	85N	05:09	288
2024	Nov	16	(Sat)	17:47	64			06:15	294
2024	Nov	17	(Sun)	18:45	61	00:33	81N	07:22	298
2024	Nov	18	(Mon)	19:47	60	01:36	78N	08:28	300
2024	Nov	19	(Tue)	20:49	62	02:39	78N	09:29	299
2024	Nov	20	(Wed)	21:49	64	03:38	80N	10:24	297
2024	Nov	21	(Thu)	22:45	69	04:32	83N	11:13	293
2024	Nov	22	(Fri)	23:38	74	05:22	87N	11:55	289
2024	Nov	23	(Sat)			06:07	89S	12:32	283
2024	Nov	24	(Sun)	00:26	79	06:48	84S	13:06	278
2024	Nov	25	(Mon)	01:13	85	07:27	78S	13:39	272
2024	Nov	26	(Tue)	01:58	91	08:06	72S	14:10	266
2024	Nov	27	(Wed)	02:44	97	08:45	66S	14:43	260
2024	Nov	28	(Thu)	03:31	103	09:26	61S	15:18	254
2024	Nov	29	(Fri)	04:20	109	10:09	56S	15:56	249
2024	Nov	30	(Sat)	05:12	113	10:56	51S	16:38	245
2024	Dec	01	(Sun)	06:06	117	11:46	48S	17:25	242
2024	Dec	02	(Mon)	07:02	119	12:40	46S	18:17	240
2024	Dec	03	(Tue)	07:59	120	13:36	46S	19:13	241
2024	Dec	04	(Wed)	08:54	119	14:32	47S	20:12	242
2024	Dec	05	(Thu)	09:46	116	15:27	50S	21:11	246
2024	Dec	06	(Fri)	10:33	112	16:20	55S	22:10	251
2024	Dec	07	(Sat)	11:17	106	17:10	60S	23:06	257
2024	Dec	08	(Sun)	11:58	100	17:58	67S		
2024	Dec	09	(Mon)	12:37	93	18:45	74S	00:02	264
2024	Dec	10	(Tue)	13:16	85	19:33	81S	00:57	271
2024	Dec	11	(Wed)	13:58	78	20:23	88S	01:54	278
2024	Dec	12	(Thu)	14:42	72	21:17	87N	02:53	285
2024	Dec	13	(Fri)	15:32	66	22:14	82N	03:55	291
2024	Dec	14	(Sat)	16:27	62	23:15	79N	05:00	296
2024	Dec	15	(Sun)	17:27	61			06:06	299
2024	Dec	16	(Mon)	18:30	61	00:19	78N	07:10	300
2024	Dec	17	(Tue)	19:32	63	01:20	79N	08:09	298
2024	Dec	18	(Wed)	20:31	67	02:18	81N	09:02	295
2024	Dec	19	(Thu)	21:27	72	03:11	85N	09:47	291
2024	Dec	20	(Fri)	22:18	77	03:59	90N	10:27	285
2024	Dec	21	(Sat)	23:06	83	04:43	86S	11:04	280
2024	Dec	22	(Sun)	23:52	89	05:23	80S	11:37	274
2024	Dec	23	(Mon)			06:03	74S	12:09	268
2024	Dec	24	(Tue)	00:38	95	06:42	68S	12:42	262
2024	Dec	25	(Wed)	01:24	101	07:21	62S	13:15	256
2024	Dec	26	(Thu)	02:12	107	08:03	57S	13:52	251
2024	Dec	27	(Fri)	03:03	112	08:49	53S	14:32	247
2024	Dec	28	(Sat)	03:56	116	09:38	49S	15:17	243
2024	Dec	29	(Sun)	04:52	118	10:30	47S	16:08	241
2024	Dec	30	(Mon)	05:49	120	11:27	46S	17:04	240
2024	Dec	31	(Tue)	06:46	119	12:24	47S	18:03	242