

Sun

Uttaradit

Location: E100°06'25.1", N17°18'03.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

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

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

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

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

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

Sun

Uttaradit

Location: E100°06'25.1", N17°18'03.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin Civil Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2024	Jan	01	(Mon)	06:26	06:49	114	12:23	50S	17:56	246	18:20
2024	Jan	02	(Tue)	06:26	06:50	114	12:23	50S	17:57	246	18:20
2024	Jan	03	(Wed)	06:27	06:50	114	12:24	51S	17:57	246	18:21
2024	Jan	04	(Thu)	06:27	06:50	114	12:24	51S	17:58	246	18:22
2024	Jan	05	(Fri)	06:27	06:51	114	12:25	51S	17:59	247	18:22
2024	Jan	06	(Sat)	06:27	06:51	113	12:25	51S	17:59	247	18:23
2024	Jan	07	(Sun)	06:28	06:51	113	12:26	51S	18:00	247	18:23
2024	Jan	08	(Mon)	06:28	06:51	113	12:26	51S	18:01	247	18:24
2024	Jan	09	(Tue)	06:28	06:52	113	12:26	51S	18:01	247	18:25
2024	Jan	10	(Wed)	06:29	06:52	113	12:27	51S	18:02	247	18:25
2024	Jan	11	(Thu)	06:29	06:52	113	12:27	52S	18:02	247	18:26
2024	Jan	12	(Fri)	06:29	06:52	113	12:28	52S	18:03	248	18:26
2024	Jan	13	(Sat)	06:29	06:52	112	12:28	52S	18:04	248	18:27
2024	Jan	14	(Sun)	06:29	06:53	112	12:28	52S	18:04	248	18:27
2024	Jan	15	(Mon)	06:29	06:53	112	12:29	52S	18:05	248	18:28
2024	Jan	16	(Tue)	06:30	06:53	112	12:29	52S	18:05	248	18:29
2024	Jan	17	(Wed)	06:30	06:53	112	12:29	53S	18:06	248	18:29
2024	Jan	18	(Thu)	06:30	06:53	111	12:30	53S	18:07	249	18:30
2024	Jan	19	(Fri)	06:30	06:53	111	12:30	53S	18:07	249	18:30
2024	Jan	20	(Sat)	06:30	06:53	111	12:30	53S	18:08	249	18:31
2024	Jan	21	(Sun)	06:30	06:53	111	12:31	53S	18:08	249	18:31
2024	Jan	22	(Mon)	06:30	06:53	111	12:31	54S	18:09	250	18:32
2024	Jan	23	(Tue)	06:30	06:53	110	12:31	54S	18:10	250	18:33
2024	Jan	24	(Wed)	06:30	06:53	110	12:31	54S	18:10	250	18:33
2024	Jan	25	(Thu)	06:30	06:53	110	12:32	54S	18:11	250	18:34
2024	Jan	26	(Fri)	06:30	06:53	110	12:32	55S	18:11	251	18:34
2024	Jan	27	(Sat)	06:30	06:53	109	12:32	55S	18:12	251	18:35
2024	Jan	28	(Sun)	06:30	06:52	109	12:32	55S	18:12	251	18:35
2024	Jan	29	(Mon)	06:29	06:52	109	12:33	55S	18:13	251	18:36
2024	Jan	30	(Tue)	06:29	06:52	108	12:33	56S	18:14	252	18:36
2024	Jan	31	(Wed)	06:29	06:52	108	12:33	56S	18:14	252	18:37
2024	Feb	01	(Thu)	06:29	06:52	108	12:33	56S	18:15	252	18:37
2024	Feb	02	(Fri)	06:29	06:51	108	12:33	56S	18:15	253	18:38
2024	Feb	03	(Sat)	06:29	06:51	107	12:33	57S	18:16	253	18:38
2024	Feb	04	(Sun)	06:28	06:51	107	12:33	57S	18:16	253	18:39
2024	Feb	05	(Mon)	06:28	06:51	107	12:33	57S	18:17	253	18:39
2024	Feb	06	(Tue)	06:28	06:50	106	12:34	58S	18:17	254	18:40
2024	Feb	07	(Wed)	06:27	06:50	106	12:34	58S	18:18	254	18:40
2024	Feb	08	(Thu)	06:27	06:49	106	12:34	58S	18:18	254	18:40
2024	Feb	09	(Fri)	06:27	06:49	105	12:34	59S	18:19	255	18:41
2024	Feb	10	(Sat)	06:26	06:49	105	12:34	59S	18:19	255	18:41

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

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

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

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

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

Moon

Uttaradit

Location: E100°06'25.1", N17°18'03.5", 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)	22:30	80		04:11	87S		10:36	282	
2024 Jan 02 (Tue)	23:16	86		04:51	81S		11:09	277	
2024 Jan 03 (Wed)				05:30	75S		11:41	271	
2024 Jan 04 (Thu)	00:03	92		06:09	69S		12:12	265	
2024 Jan 05 (Fri)	00:50	98		06:50	64S		12:46	259	
2024 Jan 06 (Sat)	01:40	104		07:33	58S		13:22	253	
2024 Jan 07 (Sun)	02:33	110		08:19	53S		14:03	248	
2024 Jan 08 (Mon)	03:30	114		09:11	49S		14:50	244	
2024 Jan 09 (Tue)	04:31	118		10:08	46S		15:44	241	
2024 Jan 10 (Wed)	05:35	120		11:10	45S		16:45	240	
2024 Jan 11 (Thu)	06:38	119		12:14	45S		17:51	242	
2024 Jan 12 (Fri)	07:37	117		13:16	48S		18:58	245	
2024 Jan 13 (Sat)	08:31	112		14:16	53S		20:04	251	
2024 Jan 14 (Sun)	09:19	106		15:11	59S		21:08	257	
2024 Jan 15 (Mon)	10:02	99		16:03	66S		22:07	264	
2024 Jan 16 (Tue)	10:43	92		16:52	73S		23:05	272	
2024 Jan 17 (Wed)	11:22	85		17:39	80S				
2024 Jan 18 (Thu)	12:01	78		18:27	86S		00:02	279	
2024 Jan 19 (Fri)	12:42	72		19:17	89N		00:58	285	
2024 Jan 20 (Sat)	13:26	67		20:08	85N		01:56	291	
2024 Jan 21 (Sun)	14:13	63		21:02	81N		02:54	295	
2024 Jan 22 (Mon)	15:05	61		21:57	80N		03:53	298	
2024 Jan 23 (Tue)	15:59	60		22:52	80N		04:50	300	

2024	Jan	24	(Wed)	16:55	62	23:46	81N	05:45	299
2024	Jan	25	(Thu)	17:51	64			06:34	297
2024	Jan	26	(Fri)	18:44	68	00:36	84N	07:19	294
2024	Jan	27	(Sat)	19:35	73	01:23	88N	07:59	289
2024	Jan	28	(Sun)	20:24	78	02:07	88S	08:35	284
2024	Jan	29	(Mon)	21:11	84	02:48	83S	09:08	279
2024	Jan	30	(Tue)	21:57	90	03:28	77S	09:40	273
2024	Jan	31	(Wed)	22:44	96	04:06	71S	10:12	267
2024	Feb	01	(Thu)	23:32	102	04:46	66S	10:44	261
2024	Feb	02	(Fri)			05:27	60S	11:18	255
2024	Feb	03	(Sat)	00:22	108	06:11	55S	11:56	250
2024	Feb	04	(Sun)	01:16	113	06:59	50S	12:39	245
2024	Feb	05	(Mon)	02:14	117	07:52	47S	13:28	242
2024	Feb	06	(Tue)	03:15	119	08:50	45S	14:24	240
2024	Feb	07	(Wed)	04:17	120	09:52	45S	15:27	241
2024	Feb	08	(Thu)	05:18	118	10:55	46S	16:34	243
2024	Feb	09	(Fri)	06:15	115	11:57	50S	17:42	248
2024	Feb	10	(Sat)	07:07	109	12:55	56S	18:48	254
2024	Feb	11	(Sun)	07:53	103	13:50	63S	19:51	261
2024	Feb	12	(Mon)	08:36	95	14:42	70S	20:52	269
2024	Feb	13	(Tue)	09:17	88	15:32	77S	21:51	276
2024	Feb	14	(Wed)	09:58	80	16:22	84S	22:50	283
2024	Feb	15	(Thu)	10:39	74	17:12	91S	23:49	289
2024	Feb	16	(Fri)	11:23	68	18:04	86N		
2024	Feb	17	(Sat)	12:10	64	18:58	82N	00:49	294
2024	Feb	18	(Sun)	13:01	61	19:53	80N	01:48	298
2024	Feb	19	(Mon)	13:55	60	20:48	79N	02:46	300
2024	Feb	20	(Tue)	14:50	61	21:42	81N	03:41	300
2024	Feb	21	(Wed)	15:45	63	22:33	83N	04:32	298
2024	Feb	22	(Thu)	16:39	67	23:20	87N	05:17	295
2024	Feb	23	(Fri)	17:31	71			05:58	291
2024	Feb	24	(Sat)	18:20	76	00:05	90S	06:35	286
2024	Feb	25	(Sun)	19:07	82	00:47	85S	07:09	281
2024	Feb	26	(Mon)	19:54	88	01:26	79S	07:42	275
2024	Feb	27	(Tue)	20:40	94	02:05	73S	08:13	269
2024	Feb	28	(Wed)	21:27	100	02:44	68S	08:45	263
2024	Feb	29	(Thu)	22:16	106	03:24	62S	09:18	257
2024	Mar	01	(Fri)	23:08	111	04:07	56S	09:54	252
2024	Mar	02	(Sat)			04:52	52S	10:34	247
2024	Mar	03	(Sun)	00:03	115	05:42	48S	11:19	243
2024	Mar	04	(Mon)	01:01	118	06:37	45S	12:11	241
2024	Mar	05	(Tue)	02:01	120	07:35	44S	13:09	240
2024	Mar	06	(Wed)	03:01	119	08:36	45S	14:12	241
2024	Mar	07	(Thu)	03:58	117	09:37	48S	15:18	245
2024	Mar	08	(Fri)	04:51	112	10:36	53S	16:24	250
2024	Mar	09	(Sat)	05:40	106	11:32	59S	17:29	257
2024	Mar	10	(Sun)	06:25	99	12:26	66S	18:31	265
2024	Mar	11	(Mon)	07:07	91	13:18	74S	19:33	272
2024	Mar	12	(Tue)	07:49	84	14:09	81S	20:34	280
2024	Mar	13	(Wed)	08:31	76	15:01	88S	21:35	287
2024	Mar	14	(Thu)	09:16	70	15:54	88N	22:37	293
2024	Mar	15	(Fri)	10:03	65	16:49	83N	23:38	297
2024	Mar	16	(Sat)	10:54	62	17:46	80N		
2024	Mar	17	(Sun)	11:49	60	18:42	79N	00:39	299
2024	Mar	18	(Mon)	12:44	60	19:37	80N	01:36	300
2024	Mar	19	(Tue)	13:40	62	20:30	82N	02:29	299
2024	Mar	20	(Wed)	14:35	65	21:18	85N	03:16	296
2024	Mar	21	(Thu)	15:27	70	22:03	90N	03:58	293
2024	Mar	22	(Fri)	16:17	75	22:46	87S	04:36	288
2024	Mar	23	(Sat)	17:04	80	23:26	81S	05:11	282
2024	Mar	24	(Sun)	17:51	86			05:44	277
2024	Mar	25	(Mon)	18:37	92	00:05	75S	06:15	271
2024	Mar	26	(Tue)	19:24	98	00:44	69S	06:47	265
2024	Mar	27	(Wed)	20:13	104	01:24	64S	07:20	259
2024	Mar	28	(Thu)	21:04	110	02:05	58S	07:55	253
2024	Mar	29	(Fri)	21:58	114	02:50	53S	08:33	248
2024	Mar	30	(Sat)	22:54	118	03:38	49S	09:16	244
2024	Mar	31	(Sun)	23:53	120	04:30	46S	10:05	241
2024	Apr	01	(Mon)			05:26	44S	11:00	240
2024	Apr	02	(Tue)	00:51	120	06:25	44S	11:59	241
2024	Apr	03	(Wed)	01:48	118	07:24	46S	13:02	243
2024	Apr	04	(Thu)	02:41	115	08:22	50S	14:06	247

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

2024	Jun	16	(Sun)	13:55	98	19:55	64S	01:19	265
2024	Jun	17	(Mon)	14:44	104	20:37	59S	01:52	259
2024	Jun	18	(Tue)	15:35	109	21:22	53S	02:27	254
2024	Jun	19	(Wed)	16:30	114	22:11	49S	03:06	249
2024	Jun	20	(Thu)	17:28	117	23:05	46S	03:50	244
2024	Jun	21	(Fri)	18:28	120			04:40	241
2024	Jun	22	(Sat)	19:28	120	00:03	44S	05:36	240
2024	Jun	23	(Sun)	20:26	118	01:03	45S	06:38	241
2024	Jun	24	(Mon)	21:18	114	02:02	47S	07:41	244
2024	Jun	25	(Tue)	22:06	109	03:00	51S	08:45	248
2024	Jun	26	(Wed)	22:49	103	03:54	56S	09:46	254
2024	Jun	27	(Thu)	23:29	96	04:45	62S	10:45	261
2024	Jun	28	(Fri)			05:34	69S	11:42	268
2024	Jun	29	(Sat)	00:08	89	06:21	76S	12:39	275
2024	Jun	30	(Sun)	00:47	81	07:09	83S	13:36	282
2024	Jul	01	(Mon)	01:28	75	07:59	90S	14:35	288
2024	Jul	02	(Tue)	02:12	69	08:52	87N	15:36	294
2024	Jul	03	(Wed)	03:00	64	09:48	82N	16:38	298
2024	Jul	04	(Thu)	03:53	61	10:46	80N	17:40	300
2024	Jul	05	(Fri)	04:50	60	11:45	79N	18:39	300
2024	Jul	06	(Sat)	05:50	61	12:42	81N	19:32	298
2024	Jul	07	(Sun)	06:48	63	13:36	83N	20:20	295
2024	Jul	08	(Mon)	07:45	67	14:25	87N	21:02	290
2024	Jul	09	(Tue)	08:38	72	15:11	89S	21:40	285
2024	Jul	10	(Wed)	09:28	78	15:53	84S	22:14	279
2024	Jul	11	(Thu)	10:16	84	16:33	78S	22:46	273
2024	Jul	12	(Fri)	11:02	90	17:12	72S	23:18	267
2024	Jul	13	(Sat)	11:48	96	17:51	66S	23:50	261
2024	Jul	14	(Sun)	12:36	102	18:31	61S		
2024	Jul	15	(Mon)	13:25	107	19:14	55S	00:23	256
2024	Jul	16	(Tue)	14:18	112	20:01	51S	01:00	250
2024	Jul	17	(Wed)	15:14	116	20:52	47S	01:41	246
2024	Jul	18	(Thu)	16:13	119	21:48	45S	02:28	242
2024	Jul	19	(Fri)	17:13	120	22:47	44S	03:22	240
2024	Jul	20	(Sat)	18:13	119	23:48	46S	04:22	240
2024	Jul	21	(Sun)	19:08	116			05:26	242
2024	Jul	22	(Mon)	19:59	111	00:48	49S	06:31	246
2024	Jul	23	(Tue)	20:45	105	01:45	54S	07:35	251
2024	Jul	24	(Wed)	21:28	98	02:39	60S	08:36	258
2024	Jul	25	(Thu)	22:08	91	03:29	67S	09:35	266
2024	Jul	26	(Fri)	22:47	83	04:18	74S	10:33	273
2024	Jul	27	(Sat)	23:27	76	05:07	81S	11:31	280
2024	Jul	28	(Sun)			05:56	88S	12:30	287
2024	Jul	29	(Mon)	00:10	70	06:48	88N	13:30	292
2024	Jul	30	(Tue)	00:57	65	07:42	83N	14:31	297
2024	Jul	31	(Wed)	01:48	62	08:39	80N	15:32	299
2024	Aug	01	(Thu)	02:43	60	09:37	79N	16:31	300
2024	Aug	02	(Fri)	03:41	60	10:34	80N	17:26	299
2024	Aug	03	(Sat)	04:39	62	11:29	82N	18:15	296
2024	Aug	04	(Sun)	05:36	66	12:19	86N	18:59	292
2024	Aug	05	(Mon)	06:30	70	13:06	90N	19:38	287
2024	Aug	06	(Tue)	07:21	76	13:49	86S	20:13	281
2024	Aug	07	(Wed)	08:10	81	14:30	80S	20:46	276
2024	Aug	08	(Thu)	08:57	87	15:09	74S	21:18	269
2024	Aug	09	(Fri)	09:43	94	15:48	68S	21:49	263
2024	Aug	10	(Sat)	10:29	100	16:27	63S	22:22	258
2024	Aug	11	(Sun)	11:17	105	17:09	57S	22:56	252
2024	Aug	12	(Mon)	12:08	110	17:53	52S	23:35	247
2024	Aug	13	(Tue)	13:01	115	18:41	48S		
2024	Aug	14	(Wed)	13:58	118	19:34	46S	00:19	244
2024	Aug	15	(Thu)	14:57	120	20:31	44S	01:08	241
2024	Aug	16	(Fri)	15:56	120	21:31	45S	02:04	240
2024	Aug	17	(Sat)	16:54	118	22:31	47S	03:06	241
2024	Aug	18	(Sun)	17:47	114	23:30	51S	04:10	244
2024	Aug	19	(Mon)	18:36	108			05:16	249
2024	Aug	20	(Tue)	19:20	101	00:26	57S	06:19	255
2024	Aug	21	(Wed)	20:02	94	01:19	64S	07:21	262
2024	Aug	22	(Thu)	20:43	86	02:10	71S	08:22	270
2024	Aug	23	(Fri)	21:24	79	03:00	79S	09:21	278
2024	Aug	24	(Sat)	22:08	72	03:51	86S	10:22	285
2024	Aug	25	(Sun)	22:54	67	04:43	89N	11:23	291
2024	Aug	26	(Mon)	23:44	63	05:38	84N	12:25	296

2024 Aug 27 (Tue)		06:34 81N	13:27 299
2024 Aug 28 (Wed)	00:38 60	07:32 79N	14:27 300
2024 Aug 29 (Thu)	01:35 60	08:29 79N	15:22 299
2024 Aug 30 (Fri)	02:33 61	09:24 81N	16:13 297
2024 Aug 31 (Sat)	03:30 64	10:16 85N	16:58 293
2024 Sep 01 (Sun)	04:25 69	11:03 89N	17:38 289
2024 Sep 02 (Mon)	05:16 74	11:47 88S	18:14 283
2024 Sep 03 (Tue)	06:05 79	12:28 82S	18:47 278
2024 Sep 04 (Wed)	06:53 85	13:08 76S	19:19 272
2024 Sep 05 (Thu)	07:39 92	13:46 70S	19:50 265
2024 Sep 06 (Fri)	08:25 98	14:25 64S	20:22 260
2024 Sep 07 (Sat)	09:12 103	15:06 59S	20:56 254
2024 Sep 08 (Sun)	10:02 109	15:49 54S	21:32 249
2024 Sep 09 (Mon)	10:53 113	16:35 50S	22:13 245
2024 Sep 10 (Tue)	11:48 117	17:25 46S	22:59 242
2024 Sep 11 (Wed)	12:45 119	18:18 44S	23:51 240
2024 Sep 12 (Thu)	13:42 120	19:15 44S	
2024 Sep 13 (Fri)	14:39 119	20:14 46S	00:49 240
2024 Sep 14 (Sat)	15:33 116	21:12 49S	01:51 242
2024 Sep 15 (Sun)	16:23 111	22:09 54S	02:54 246
2024 Sep 16 (Mon)	17:09 105	23:03 60S	03:58 251
2024 Sep 17 (Tue)	17:53 98	23:55 67S	05:01 258
2024 Sep 18 (Wed)	18:35 90		06:03 266
2024 Sep 19 (Thu)	19:16 82	00:47 75S	07:04 274
2024 Sep 20 (Fri)	20:00 75	01:39 83S	08:06 282
2024 Sep 21 (Sat)	20:47 69	02:32 90S	09:09 289
2024 Sep 22 (Sun)	21:37 64	03:28 86N	10:13 294
2024 Sep 23 (Mon)	22:32 61	04:26 82N	11:17 298
2024 Sep 24 (Tue)	23:29 60	05:25 80N	12:20 300
2024 Sep 25 (Wed)		06:24 79N	13:18 300
2024 Sep 26 (Thu)	00:28 61	07:20 80N	14:11 298
2024 Sep 27 (Fri)	01:25 63	08:13 83N	14:57 295
2024 Sep 28 (Sat)	02:21 67	09:01 87N	15:38 290
2024 Sep 29 (Sun)	03:13 72	09:46 89S	16:15 285
2024 Sep 30 (Mon)	04:02 77	10:28 84S	16:49 280
2024 Oct 01 (Tue)	04:50 83	11:07 78S	17:21 274
2024 Oct 02 (Wed)	05:36 90	11:46 72S	17:52 267
2024 Oct 03 (Thu)	06:22 96	12:25 66S	18:24 261
2024 Oct 04 (Fri)	07:09 102	13:05 61S	18:57 256
2024 Oct 05 (Sat)	07:58 107	13:47 55S	19:33 251
2024 Oct 06 (Sun)	08:49 112	14:32 51S	20:12 246
2024 Oct 07 (Mon)	09:42 116	15:20 47S	20:56 243
2024 Oct 08 (Tue)	10:38 119	16:12 45S	21:45 240
2024 Oct 09 (Wed)	11:34 120	17:07 44S	22:39 240
2024 Oct 10 (Thu)	12:30 120	18:03 45S	23:38 241
2024 Oct 11 (Fri)	13:23 118	19:00 47S	
2024 Oct 12 (Sat)	14:13 114	19:55 51S	00:39 244
2024 Oct 13 (Sun)	14:59 108	20:48 57S	01:40 249
2024 Oct 14 (Mon)	15:42 102	21:40 64S	02:41 255
2024 Oct 15 (Tue)	16:24 94	22:31 71S	03:42 262
2024 Oct 16 (Wed)	17:05 86	23:22 79S	04:42 270
2024 Oct 17 (Thu)	17:48 79		05:44 278
2024 Oct 18 (Fri)	18:34 72	00:15 86S	06:47 285
2024 Oct 19 (Sat)	19:24 66	01:11 89N	07:52 292
2024 Oct 20 (Sun)	20:18 62	02:09 84N	08:59 296
2024 Oct 21 (Mon)	21:17 60	03:11 80N	10:05 299
2024 Oct 22 (Tue)	22:17 60	04:12 79N	11:07 300
2024 Oct 23 (Wed)	23:17 62	05:12 80N	12:04 299
2024 Oct 24 (Thu)		06:07 82N	12:54 296
2024 Oct 25 (Fri)	00:14 66	06:58 86N	13:38 292
2024 Oct 26 (Sat)	01:08 70	07:44 91N	14:16 287
2024 Oct 27 (Sun)	01:59 76	08:27 86S	14:51 281
2024 Oct 28 (Mon)	02:47 81	09:07 80S	15:23 275
2024 Oct 29 (Tue)	03:33 87	09:46 74S	15:54 269
2024 Oct 30 (Wed)	04:20 94	10:24 68S	16:26 263
2024 Oct 31 (Thu)	05:06 100	11:04 62S	16:58 258
2024 Nov 01 (Fri)	05:54 105	11:45 57S	17:33 252
2024 Nov 02 (Sat)	06:45 110	12:29 52S	18:12 247
2024 Nov 03 (Sun)	07:38 115	13:17 48S	18:54 244
2024 Nov 04 (Mon)	08:33 118	14:08 46S	19:42 241
2024 Nov 05 (Tue)	09:29 120	15:02 44S	20:35 240
2024 Nov 06 (Wed)	10:25 120	15:58 44S	21:32 241

2024 Nov 07 (Thu)	11:18 118	16:53 46S	22:31 243
2024 Nov 08 (Fri)	12:08 115	17:48 50S	23:30 247
2024 Nov 09 (Sat)	12:54 110	18:40 55S	
2024 Nov 10 (Sun)	13:36 104	19:30 61S	00:30 252
2024 Nov 11 (Mon)	14:17 98	20:19 68S	01:28 259
2024 Nov 12 (Tue)	14:57 90	21:08 75S	02:26 266
2024 Nov 13 (Wed)	15:37 83	21:59 82S	03:25 274
2024 Nov 14 (Thu)	16:21 75	22:52 89S	04:25 281
2024 Nov 15 (Fri)	17:08 69	23:49 86N	05:29 288
2024 Nov 16 (Sat)	18:01 64		06:35 294
2024 Nov 17 (Sun)	18:59 61	00:50 82N	07:42 298
2024 Nov 18 (Mon)	20:00 60	01:53 80N	08:48 300
2024 Nov 19 (Tue)	21:02 61	02:55 79N	09:50 300
2024 Nov 20 (Wed)	22:03 64	03:55 81N	10:45 297
2024 Nov 21 (Thu)	23:00 69	04:49 84N	11:32 294
2024 Nov 22 (Fri)	23:52 74	05:38 89N	12:13 289
2024 Nov 23 (Sat)		06:23 88S	12:50 283
2024 Nov 24 (Sun)	00:42 79	07:05 82S	13:23 278
2024 Nov 25 (Mon)	01:29 85	07:44 76S	13:55 271
2024 Nov 26 (Tue)	02:15 92	08:23 70S	14:27 265
2024 Nov 27 (Wed)	03:02 98	09:02 64S	14:59 260
2024 Nov 28 (Thu)	03:49 103	09:42 59S	15:33 254
2024 Nov 29 (Fri)	04:39 109	10:26 54S	16:10 249
2024 Nov 30 (Sat)	05:31 113	11:12 50S	16:51 245
2024 Dec 01 (Sun)	06:26 117	12:03 46S	17:38 242
2024 Dec 02 (Mon)	07:23 119	12:57 45S	18:30 240
2024 Dec 03 (Tue)	08:20 120	13:53 44S	19:26 240
2024 Dec 04 (Wed)	09:14 119	14:49 46S	20:26 242
2024 Dec 05 (Thu)	10:06 116	15:44 49S	21:25 246
2024 Dec 06 (Fri)	10:52 112	16:37 53S	22:24 251
2024 Dec 07 (Sat)	11:35 106	17:27 59S	23:22 257
2024 Dec 08 (Sun)	12:15 100	18:15 65S	
2024 Dec 09 (Mon)	12:54 93	19:02 72S	00:18 264
2024 Dec 10 (Tue)	13:33 85	19:50 79S	01:14 271
2024 Dec 11 (Wed)	14:13 78	20:40 86S	02:12 278
2024 Dec 12 (Thu)	14:57 72	21:33 89N	03:12 285
2024 Dec 13 (Fri)	15:46 66	22:31 84N	04:14 291
2024 Dec 14 (Sat)	16:40 62	23:32 81N	05:20 296
2024 Dec 15 (Sun)	17:40 60		06:27 299
2024 Dec 16 (Mon)	18:43 61	00:35 79N	07:31 300
2024 Dec 17 (Tue)	19:46 63	01:37 80N	08:30 298
2024 Dec 18 (Wed)	20:45 67	02:35 83N	09:21 295
2024 Dec 19 (Thu)	21:41 72	03:28 87N	10:06 291
2024 Dec 20 (Fri)	22:33 77	04:16 90S	10:46 286
2024 Dec 21 (Sat)	23:22 83	04:59 84S	11:21 280
2024 Dec 22 (Sun)		05:40 78S	11:54 274
2024 Dec 23 (Mon)	00:09 89	06:19 72S	12:26 268
2024 Dec 24 (Tue)	00:55 95	06:58 66S	12:57 262
2024 Dec 25 (Wed)	01:42 101	07:38 61S	13:30 256
2024 Dec 26 (Thu)	02:31 107	08:20 56S	14:06 251
2024 Dec 27 (Fri)	03:22 112	09:05 51S	14:46 246
2024 Dec 28 (Sat)	04:16 116	09:54 48S	15:31 243
2024 Dec 29 (Sun)	05:12 119	10:47 45S	16:21 241
2024 Dec 30 (Mon)	06:10 120	11:43 44S	17:17 240
2024 Dec 31 (Tue)	07:07 119	12:41 45S	18:16 241