

Sun

Udon Thani

Location: E102°47'31.2", N17°24'39.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2025	Jan	01 (Wed)	05:48	06:39	114	12:12	50S	17:46	246	18:36
2025	Jan	02 (Thu)	05:49	06:39	114	12:13	50S	17:46	246	18:37
2025	Jan	03 (Fri)	05:49	06:40	114	12:13	51S	17:47	246	18:37
2025	Jan	04 (Sat)	05:50	06:40	114	12:14	51S	17:48	246	18:38
2025	Jan	05 (Sun)	05:50	06:40	113	12:14	51S	17:48	247	18:39
2025	Jan	06 (Mon)	05:50	06:41	113	12:15	51S	17:49	247	18:39
2025	Jan	07 (Tue)	05:51	06:41	113	12:15	51S	17:49	247	18:40
2025	Jan	08 (Wed)	05:51	06:41	113	12:16	51S	17:50	247	18:40
2025	Jan	09 (Thu)	05:51	06:41	113	12:16	51S	17:51	247	18:41
2025	Jan	10 (Fri)	05:51	06:42	113	12:16	51S	17:51	247	18:41
2025	Jan	11 (Sat)	05:52	06:42	113	12:17	52S	17:52	247	18:42
2025	Jan	12 (Sun)	05:52	06:42	112	12:17	52S	17:53	248	18:43
2025	Jan	13 (Mon)	05:52	06:42	112	12:18	52S	17:53	248	18:43
2025	Jan	14 (Tue)	05:52	06:42	112	12:18	52S	17:54	248	18:44
2025	Jan	15 (Wed)	05:52	06:42	112	12:18	52S	17:54	248	18:44
2025	Jan	16 (Thu)	05:52	06:42	112	12:19	52S	17:55	248	18:45
2025	Jan	17 (Fri)	05:53	06:42	112	12:19	53S	17:56	249	18:45
2025	Jan	18 (Sat)	05:53	06:42	111	12:19	53S	17:56	249	18:46
2025	Jan	19 (Sun)	05:53	06:42	111	12:20	53S	17:57	249	18:46
2025	Jan	20 (Mon)	05:53	06:42	111	12:20	53S	17:57	249	18:47
2025	Jan	21 (Tue)	05:53	06:42	111	12:20	53S	17:58	249	18:47
2025	Jan	22 (Wed)	05:53	06:42	110	12:20	54S	17:59	250	18:48
2025	Jan	23 (Thu)	05:53	06:42	110	12:21	54S	17:59	250	18:48
2025	Jan	24 (Fri)	05:53	06:42	110	12:21	54S	18:00	250	18:49
2025	Jan	25 (Sat)	05:53	06:42	110	12:21	54S	18:00	250	18:50
2025	Jan	26 (Sun)	05:53	06:42	109	12:21	55S	18:01	251	18:50
2025	Jan	27 (Mon)	05:53	06:42	109	12:22	55S	18:01	251	18:50
2025	Jan	28 (Tue)	05:53	06:42	109	12:22	55S	18:02	251	18:51
2025	Jan	29 (Wed)	05:53	06:41	109	12:22	55S	18:03	252	18:51
2025	Jan	30 (Thu)	05:52	06:41	108	12:22	56S	18:03	252	18:52
2025	Jan	31 (Fri)	05:52	06:41	108	12:22	56S	18:04	252	18:52
2025	Feb	01 (Sat)	05:52	06:41	108	12:22	56S	18:04	252	18:53
2025	Feb	02 (Sun)	05:52	06:41	107	12:23	57S	18:05	253	18:53
2025	Feb	03 (Mon)	05:52	06:40	107	12:23	57S	18:05	253	18:54
2025	Feb	04 (Tue)	05:52	06:40	107	12:23	57S	18:06	253	18:54
2025	Feb	05 (Wed)	05:51	06:40	106	12:23	57S	18:06	254	18:55
2025	Feb	06 (Thu)	05:51	06:39	106	12:23	58S	18:07	254	18:55
2025	Feb	07 (Fri)	05:51	06:39	106	12:23	58S	18:07	254	18:55
2025	Feb	08 (Sat)	05:50	06:39	105	12:23	58S	18:08	255	18:56
2025	Feb	09 (Sun)	05:50	06:38	105	12:23	59S	18:08	255	18:56
2025	Feb	10 (Mon)	05:50	06:38	105	12:23	59S	18:08	255	18:56
2025	Feb	11 (Tue)	05:49	06:37	104	12:23	59S	18:09	256	18:57
2025	Feb	12 (Wed)	05:49	06:37	104	12:23	60S	18:09	256	18:57
2025	Feb	13 (Thu)	05:49	06:36	104	12:23	60S	18:10	256	18:58
2025	Feb	14 (Fri)	05:48	06:36	103	12:23	60S	18:10	257	18:58
2025	Feb	15 (Sat)	05:48	06:36	103	12:23	61S	18:11	257	18:58
2025	Feb	16 (Sun)	05:47	06:35	103	12:23	61S	18:11	258	18:59
2025	Feb	17 (Mon)	05:47	06:34	102	12:23	61S	18:11	258	18:59
2025	Feb	18 (Tue)	05:46	06:34	102	12:23	62S	18:12	258	18:59
2025	Feb	19 (Wed)	05:46	06:33	102	12:23	62S	18:12	259	19:00
2025	Feb	20 (Thu)	05:45	06:33	101	12:23	62S	18:12	259	19:00
2025	Feb	21 (Fri)	05:45	06:32	101	12:22	63S	18:13	259	19:00
2025	Feb	22 (Sat)	05:44	06:32	100	12:22	63S	18:13	260	19:00
2025	Feb	23 (Sun)	05:44	06:31	100	12:22	64S	18:13	260	19:01
2025	Feb	24 (Mon)	05:43	06:30	100	12:22	64S	18:14	261	19:01
2025	Feb	25 (Tue)	05:43	06:30	99	12:22	64S	18:14	261	19:01
2025	Feb	26 (Wed)	05:42	06:29	99	12:22	65S	18:14	261	19:02
2025	Feb	27 (Thu)	05:41	06:29	98	12:22	65S	18:15	262	19:02
2025	Feb	28 (Fri)	05:41	06:28	98	12:21	65S	18:15	262	19:02
2025	Mar	01 (Sat)	05:40	06:27	98	12:21	66S	18:15	263	19:02

2025	Mar	02	(Sun)	05:40	06:27	97	12:21	66S	18:16	263	19:03
2025	Mar	03	(Mon)	05:39	06:26	97	12:21	67S	18:16	263	19:03
2025	Mar	04	(Tue)	05:38	06:25	96	12:21	67S	18:16	264	19:03
2025	Mar	05	(Wed)	05:38	06:24	96	12:20	67S	18:16	264	19:03
2025	Mar	06	(Thu)	05:37	06:24	96	12:20	68S	18:17	265	19:04
2025	Mar	07	(Fri)	05:36	06:23	95	12:20	68S	18:17	265	19:04
2025	Mar	08	(Sat)	05:35	06:22	95	12:20	69S	18:17	265	19:04
2025	Mar	09	(Sun)	05:35	06:22	94	12:19	69S	18:17	266	19:04
2025	Mar	10	(Mon)	05:34	06:21	94	12:19	69S	18:18	266	19:04
2025	Mar	11	(Tue)	05:33	06:20	94	12:19	70S	18:18	267	19:05
2025	Mar	12	(Wed)	05:32	06:19	93	12:19	70S	18:18	267	19:05
2025	Mar	13	(Thu)	05:32	06:19	93	12:18	70S	18:18	267	19:05
2025	Mar	14	(Fri)	05:31	06:18	92	12:18	71S	18:19	268	19:05
2025	Mar	15	(Sat)	05:30	06:17	92	12:18	71S	18:19	268	19:06
2025	Mar	16	(Sun)	05:29	06:16	92	12:17	72S	18:19	269	19:06
2025	Mar	17	(Mon)	05:29	06:15	91	12:17	72S	18:19	269	19:06
2025	Mar	18	(Tue)	05:28	06:15	91	12:17	72S	18:19	269	19:06
2025	Mar	19	(Wed)	05:27	06:14	90	12:17	73S	18:20	270	19:06
2025	Mar	20	(Thu)	05:26	06:13	90	12:16	73S	18:20	270	19:07
2025	Mar	21	(Fri)	05:25	06:12	89	12:16	74S	18:20	271	19:07
2025	Mar	22	(Sat)	05:25	06:11	89	12:16	74S	18:20	271	19:07
2025	Mar	23	(Sun)	05:24	06:11	89	12:15	74S	18:20	272	19:07
2025	Mar	24	(Mon)	05:23	06:10	88	12:15	75S	18:21	272	19:07
2025	Mar	25	(Tue)	05:22	06:09	88	12:15	75S	18:21	272	19:08
2025	Mar	26	(Wed)	05:21	06:08	87	12:14	76S	18:21	273	19:08
2025	Mar	27	(Thu)	05:21	06:08	87	12:14	76S	18:21	273	19:08
2025	Mar	28	(Fri)	05:20	06:07	87	12:14	76S	18:21	274	19:08
2025	Mar	29	(Sat)	05:19	06:06	86	12:14	77S	18:21	274	19:09
2025	Mar	30	(Sun)	05:18	06:05	86	12:13	77S	18:22	274	19:09
2025	Mar	31	(Mon)	05:17	06:04	85	12:13	78S	18:22	275	19:09
2025	Apr	01	(Tue)	05:16	06:04	85	12:13	78S	18:22	275	19:09
2025	Apr	02	(Wed)	05:16	06:03	85	12:12	78S	18:22	276	19:09
2025	Apr	03	(Thu)	05:15	06:02	84	12:12	79S	18:22	276	19:10
2025	Apr	04	(Fri)	05:14	06:01	84	12:12	79S	18:23	276	19:10
2025	Apr	05	(Sat)	05:13	06:00	83	12:12	79S	18:23	277	19:10
2025	Apr	06	(Sun)	05:12	06:00	83	12:11	80S	18:23	277	19:10
2025	Apr	07	(Mon)	05:11	05:59	83	12:11	80S	18:23	278	19:11
2025	Apr	08	(Tue)	05:11	05:58	82	12:11	81S	18:23	278	19:11
2025	Apr	09	(Wed)	05:10	05:57	82	12:10	81S	18:24	278	19:11
2025	Apr	10	(Thu)	05:09	05:57	81	12:10	81S	18:24	279	19:12
2025	Apr	11	(Fri)	05:08	05:56	81	12:10	82S	18:24	279	19:12
2025	Apr	12	(Sat)	05:07	05:55	81	12:10	82S	18:24	280	19:12
2025	Apr	13	(Sun)	05:07	05:54	80	12:09	82S	18:24	280	19:12
2025	Apr	14	(Mon)	05:06	05:54	80	12:09	83S	18:25	280	19:13
2025	Apr	15	(Tue)	05:05	05:53	79	12:09	83S	18:25	281	19:13
2025	Apr	16	(Wed)	05:04	05:52	79	12:09	84S	18:25	281	19:13
2025	Apr	17	(Thu)	05:04	05:52	79	12:08	84S	18:25	281	19:14
2025	Apr	18	(Fri)	05:03	05:51	78	12:08	84S	18:26	282	19:14
2025	Apr	19	(Sat)	05:02	05:50	78	12:08	85S	18:26	282	19:14
2025	Apr	20	(Sun)	05:01	05:50	78	12:08	85S	18:26	283	19:14
2025	Apr	21	(Mon)	05:01	05:49	77	12:08	85S	18:26	283	19:15
2025	Apr	22	(Tue)	05:00	05:48	77	12:07	86S	18:27	283	19:15
2025	Apr	23	(Wed)	04:59	05:48	77	12:07	86S	18:27	284	19:15
2025	Apr	24	(Thu)	04:58	05:47	76	12:07	86S	18:27	284	19:16
2025	Apr	25	(Fri)	04:58	05:46	76	12:07	87S	18:27	284	19:16
2025	Apr	26	(Sat)	04:57	05:46	76	12:07	87S	18:28	285	19:17
2025	Apr	27	(Sun)	04:56	05:45	75	12:06	87S	18:28	285	19:17
2025	Apr	28	(Mon)	04:56	05:45	75	12:06	88S	18:28	285	19:17
2025	Apr	29	(Tue)	04:55	05:44	75	12:06	88S	18:29	286	19:18
2025	Apr	30	(Wed)	04:54	05:44	74	12:06	88S	18:29	286	19:18
2025	May	01	(Thu)	04:54	05:43	74	12:06	88S	18:29	286	19:18
2025	May	02	(Fri)	04:53	05:42	74	12:06	89S	18:29	287	19:19
2025	May	03	(Sat)	04:53	05:42	73	12:06	89S	18:30	287	19:19
2025	May	04	(Sun)	04:52	05:41	73	12:06	89S	18:30	287	19:20
2025	May	05	(Mon)	04:51	05:41	73	12:06	90S	18:30	287	19:20
2025	May	06	(Tue)	04:51	05:40	72	12:05	90S	18:31	288	19:20
2025	May	07	(Wed)	04:50	05:40	72	12:05	90S	18:31	288	19:21
2025	May	08	(Thu)	04:50	05:40	72	12:05	90S	18:31	288	19:21
2025	May	09	(Fri)	04:49	05:39	72	12:05	91N	18:32	289	19:22
2025	May	10	(Sat)	04:49	05:39	71	12:05	90N	18:32	289	19:22
2025	May	11	(Sun)	04:48	05:38	71	12:05	90N	18:32	289	19:23
2025	May	12	(Mon)	04:48	05:38	71	12:05	90N	18:33	289	19:23

2025	May	13	(Tue)	04:47	05:38	70	12:05	90N	18:33	290	19:23
2025	May	14	(Wed)	04:47	05:37	70	12:05	89N	18:33	290	19:24
2025	May	15	(Thu)	04:46	05:37	70	12:05	89N	18:34	290	19:24
2025	May	16	(Fri)	04:46	05:37	70	12:05	89N	18:34	290	19:25
2025	May	17	(Sat)	04:46	05:36	69	12:05	89N	18:34	291	19:25
2025	May	18	(Sun)	04:45	05:36	69	12:05	89N	18:35	291	19:26
2025	May	19	(Mon)	04:45	05:36	69	12:05	88N	18:35	291	19:26
2025	May	20	(Tue)	04:44	05:35	69	12:05	88N	18:35	291	19:27
2025	May	21	(Wed)	04:44	05:35	69	12:05	88N	18:36	292	19:27
2025	May	22	(Thu)	04:44	05:35	68	12:05	88N	18:36	292	19:27
2025	May	23	(Fri)	04:44	05:35	68	12:06	87N	18:37	292	19:28
2025	May	24	(Sat)	04:43	05:35	68	12:06	87N	18:37	292	19:28
2025	May	25	(Sun)	04:43	05:34	68	12:06	87N	18:37	292	19:29
2025	May	26	(Mon)	04:43	05:34	68	12:06	87N	18:38	293	19:29
2025	May	27	(Tue)	04:43	05:34	67	12:06	87N	18:38	293	19:30
2025	May	28	(Wed)	04:42	05:34	67	12:06	87N	18:38	293	19:30
2025	May	29	(Thu)	04:42	05:34	67	12:06	86N	18:39	293	19:31
2025	May	30	(Fri)	04:42	05:34	67	12:06	86N	18:39	293	19:31
2025	May	31	(Sat)	04:42	05:34	67	12:07	86N	18:39	293	19:31
2025	Jun	01	(Sun)	04:42	05:34	67	12:07	86N	18:40	294	19:32
2025	Jun	02	(Mon)	04:42	05:34	66	12:07	86N	18:40	294	19:32
2025	Jun	03	(Tue)	04:42	05:34	66	12:07	86N	18:41	294	19:33
2025	Jun	04	(Wed)	04:41	05:34	66	12:07	86N	18:41	294	19:33
2025	Jun	05	(Thu)	04:41	05:34	66	12:07	86N	18:41	294	19:33
2025	Jun	06	(Fri)	04:41	05:34	66	12:08	85N	18:42	294	19:34
2025	Jun	07	(Sat)	04:41	05:34	66	12:08	85N	18:42	294	19:34
2025	Jun	08	(Sun)	04:41	05:34	66	12:08	85N	18:42	294	19:35
2025	Jun	09	(Mon)	04:41	05:34	66	12:08	85N	18:43	294	19:35
2025	Jun	10	(Tue)	04:41	05:34	66	12:08	85N	18:43	295	19:35
2025	Jun	11	(Wed)	04:41	05:34	65	12:08	85N	18:43	295	19:36
2025	Jun	12	(Thu)	04:42	05:34	65	12:09	85N	18:43	295	19:36
2025	Jun	13	(Fri)	04:42	05:34	65	12:09	85N	18:44	295	19:36
2025	Jun	14	(Sat)	04:42	05:34	65	12:09	85N	18:44	295	19:37
2025	Jun	15	(Sun)	04:42	05:34	65	12:09	85N	18:44	295	19:37
2025	Jun	16	(Mon)	04:42	05:35	65	12:10	85N	18:45	295	19:37
2025	Jun	17	(Tue)	04:42	05:35	65	12:10	85N	18:45	295	19:37
2025	Jun	18	(Wed)	04:42	05:35	65	12:10	85N	18:45	295	19:38
2025	Jun	19	(Thu)	04:42	05:35	65	12:10	85N	18:45	295	19:38
2025	Jun	20	(Fri)	04:43	05:35	65	12:10	85N	18:46	295	19:38
2025	Jun	21	(Sat)	04:43	05:36	65	12:11	85N	18:46	295	19:38
2025	Jun	22	(Sun)	04:43	05:36	65	12:11	85N	18:46	295	19:39
2025	Jun	23	(Mon)	04:43	05:36	65	12:11	85N	18:46	295	19:39
2025	Jun	24	(Tue)	04:44	05:36	65	12:11	85N	18:46	295	19:39
2025	Jun	25	(Wed)	04:44	05:36	65	12:12	85N	18:47	295	19:39
2025	Jun	26	(Thu)	04:44	05:37	65	12:12	85N	18:47	295	19:39
2025	Jun	27	(Fri)	04:44	05:37	65	12:12	85N	18:47	295	19:39
2025	Jun	28	(Sat)	04:45	05:37	65	12:12	85N	18:47	295	19:40
2025	Jun	29	(Sun)	04:45	05:38	65	12:12	85N	18:47	295	19:40
2025	Jun	30	(Mon)	04:45	05:38	65	12:13	85N	18:47	295	19:40
2025	Jul	01	(Tue)	04:46	05:38	65	12:13	85N	18:47	295	19:40
2025	Jul	02	(Wed)	04:46	05:38	66	12:13	85N	18:47	294	19:40
2025	Jul	03	(Thu)	04:46	05:39	66	12:13	85N	18:47	294	19:40
2025	Jul	04	(Fri)	04:47	05:39	66	12:13	85N	18:47	294	19:40
2025	Jul	05	(Sat)	04:47	05:39	66	12:13	85N	18:48	294	19:40
2025	Jul	06	(Sun)	04:47	05:40	66	12:14	85N	18:48	294	19:40
2025	Jul	07	(Mon)	04:48	05:40	66	12:14	86N	18:48	294	19:40
2025	Jul	08	(Tue)	04:48	05:40	66	12:14	86N	18:48	294	19:40
2025	Jul	09	(Wed)	04:49	05:41	66	12:14	86N	18:47	294	19:40
2025	Jul	10	(Thu)	04:49	05:41	66	12:14	86N	18:47	294	19:39
2025	Jul	11	(Fri)	04:49	05:41	66	12:14	86N	18:47	293	19:39
2025	Jul	12	(Sat)	04:50	05:42	67	12:15	86N	18:47	293	19:39
2025	Jul	13	(Sun)	04:50	05:42	67	12:15	86N	18:47	293	19:39
2025	Jul	14	(Mon)	04:51	05:42	67	12:15	86N	18:47	293	19:39
2025	Jul	15	(Tue)	04:51	05:43	67	12:15	87N	18:47	293	19:39
2025	Jul	16	(Wed)	04:51	05:43	67	12:15	87N	18:47	293	19:38
2025	Jul	17	(Thu)	04:52	05:43	67	12:15	87N	18:47	292	19:38
2025	Jul	18	(Fri)	04:52	05:44	68	12:15	87N	18:46	292	19:38
2025	Jul	19	(Sat)	04:53	05:44	68	12:15	87N	18:46	292	19:38
2025	Jul	20	(Sun)	04:53	05:44	68	12:15	88N	18:46	292	19:37
2025	Jul	21	(Mon)	04:53	05:45	68	12:15	88N	18:46	292	19:37
2025	Jul	22	(Tue)	04:54	05:45	68	12:15	88N	18:46	291	19:37
2025	Jul	23	(Wed)	04:54	05:45	69	12:15	88N	18:45	291	19:36

2025	Jul	24	(Thu)	04:55	05:46	69	12:15	88N	18:45	291	19:36
2025	Jul	25	(Fri)	04:55	05:46	69	12:15	89N	18:45	291	19:35
2025	Jul	26	(Sat)	04:55	05:46	69	12:15	89N	18:44	291	19:35
2025	Jul	27	(Sun)	04:56	05:47	70	12:15	89N	18:44	290	19:35
2025	Jul	28	(Mon)	04:56	05:47	70	12:15	89N	18:44	290	19:34
2025	Jul	29	(Tue)	04:57	05:47	70	12:15	89N	18:43	290	19:34
2025	Jul	30	(Wed)	04:57	05:48	70	12:15	90N	18:43	290	19:33
2025	Jul	31	(Thu)	04:58	05:48	71	12:15	90N	18:43	289	19:33
2025	Aug	01	(Fri)	04:58	05:48	71	12:15	90N	18:42	289	19:32
2025	Aug	02	(Sat)	04:58	05:48	71	12:15	90N	18:42	289	19:32
2025	Aug	03	(Sun)	04:59	05:49	71	12:15	91N	18:41	288	19:31
2025	Aug	04	(Mon)	04:59	05:49	72	12:15	90S	18:41	288	19:31
2025	Aug	05	(Tue)	04:59	05:49	72	12:15	90S	18:40	288	19:30
2025	Aug	06	(Wed)	05:00	05:50	72	12:15	90S	18:40	288	19:29
2025	Aug	07	(Thu)	05:00	05:50	72	12:15	90S	18:39	287	19:29
2025	Aug	08	(Fri)	05:00	05:50	73	12:15	89S	18:39	287	19:28
2025	Aug	09	(Sat)	05:01	05:50	73	12:14	89S	18:38	287	19:28
2025	Aug	10	(Sun)	05:01	05:51	73	12:14	89S	18:38	286	19:27
2025	Aug	11	(Mon)	05:02	05:51	74	12:14	88S	18:37	286	19:26
2025	Aug	12	(Tue)	05:02	05:51	74	12:14	88S	18:36	286	19:26
2025	Aug	13	(Wed)	05:02	05:51	74	12:14	88S	18:36	285	19:25
2025	Aug	14	(Thu)	05:03	05:52	75	12:14	88S	18:35	285	19:24
2025	Aug	15	(Fri)	05:03	05:52	75	12:13	87S	18:35	285	19:24
2025	Aug	16	(Sat)	05:03	05:52	75	12:13	87S	18:34	285	19:23
2025	Aug	17	(Sun)	05:03	05:52	76	12:13	87S	18:33	284	19:22
2025	Aug	18	(Mon)	05:04	05:52	76	12:13	86S	18:33	284	19:21
2025	Aug	19	(Tue)	05:04	05:53	76	12:12	86S	18:32	283	19:21
2025	Aug	20	(Wed)	05:04	05:53	77	12:12	86S	18:31	283	19:20
2025	Aug	21	(Thu)	05:05	05:53	77	12:12	85S	18:31	283	19:19
2025	Aug	22	(Fri)	05:05	05:53	77	12:12	85S	18:30	282	19:18
2025	Aug	23	(Sat)	05:05	05:53	78	12:12	85S	18:29	282	19:18
2025	Aug	24	(Sun)	05:05	05:54	78	12:11	84S	18:29	282	19:17
2025	Aug	25	(Mon)	05:06	05:54	78	12:11	84S	18:28	281	19:16
2025	Aug	26	(Tue)	05:06	05:54	79	12:11	84S	18:27	281	19:15
2025	Aug	27	(Wed)	05:06	05:54	79	12:10	83S	18:26	281	19:14
2025	Aug	28	(Thu)	05:06	05:54	80	12:10	83S	18:26	280	19:13
2025	Aug	29	(Fri)	05:07	05:55	80	12:10	83S	18:25	280	19:13
2025	Aug	30	(Sat)	05:07	05:55	80	12:10	82S	18:24	279	19:12
2025	Aug	31	(Sun)	05:07	05:55	81	12:09	82S	18:23	279	19:11
2025	Sep	01	(Mon)	05:07	05:55	81	12:09	81S	18:23	279	19:10
2025	Sep	02	(Tue)	05:08	05:55	81	12:09	81S	18:22	278	19:09
2025	Sep	03	(Wed)	05:08	05:55	82	12:08	81S	18:21	278	19:08
2025	Sep	04	(Thu)	05:08	05:55	82	12:08	80S	18:20	278	19:08
2025	Sep	05	(Fri)	05:08	05:56	83	12:08	80S	18:19	277	19:07
2025	Sep	06	(Sat)	05:08	05:56	83	12:07	80S	18:18	277	19:06
2025	Sep	07	(Sun)	05:08	05:56	83	12:07	79S	18:18	276	19:05
2025	Sep	08	(Mon)	05:09	05:56	84	12:07	79S	18:17	276	19:04
2025	Sep	09	(Tue)	05:09	05:56	84	12:06	79S	18:16	276	19:03
2025	Sep	10	(Wed)	05:09	05:56	85	12:06	78S	18:15	275	19:02
2025	Sep	11	(Thu)	05:09	05:56	85	12:05	78S	18:14	275	19:01
2025	Sep	12	(Fri)	05:09	05:56	85	12:05	77S	18:14	274	19:01
2025	Sep	13	(Sat)	05:10	05:57	86	12:05	77S	18:13	274	19:00
2025	Sep	14	(Sun)	05:10	05:57	86	12:04	77S	18:12	274	18:59
2025	Sep	15	(Mon)	05:10	05:57	87	12:04	76S	18:11	273	18:58
2025	Sep	16	(Tue)	05:10	05:57	87	12:04	76S	18:10	273	18:57
2025	Sep	17	(Wed)	05:10	05:57	87	12:03	75S	18:09	272	18:56
2025	Sep	18	(Thu)	05:10	05:57	88	12:03	75S	18:08	272	18:55
2025	Sep	19	(Fri)	05:10	05:57	88	12:03	75S	18:08	272	18:55
2025	Sep	20	(Sat)	05:11	05:58	89	12:02	74S	18:07	271	18:54
2025	Sep	21	(Sun)	05:11	05:58	89	12:02	74S	18:06	271	18:53
2025	Sep	22	(Mon)	05:11	05:58	89	12:02	74S	18:05	270	18:52
2025	Sep	23	(Tue)	05:11	05:58	90	12:01	73S	18:04	270	18:51
2025	Sep	24	(Wed)	05:11	05:58	90	12:01	73S	18:03	270	18:50
2025	Sep	25	(Thu)	05:11	05:58	91	12:01	72S	18:03	269	18:49
2025	Sep	26	(Fri)	05:12	05:58	91	12:00	72S	18:02	269	18:49
2025	Sep	27	(Sat)	05:12	05:59	91	12:00	72S	18:01	268	18:48
2025	Sep	28	(Sun)	05:12	05:59	92	12:00	71S	18:00	268	18:47
2025	Sep	29	(Mon)	05:12	05:59	92	11:59	71S	17:59	268	18:46
2025	Sep	30	(Tue)	05:12	05:59	93	11:59	70S	17:58	267	18:45
2025	Oct	01	(Wed)	05:12	05:59	93	11:59	70S	17:58	267	18:45
2025	Oct	02	(Thu)	05:12	05:59	93	11:58	70S	17:57	266	18:44
2025	Oct	03	(Fri)	05:13	05:59	94	11:58	69S	17:56	266	18:43

2025	Oct	04	(Sat)	05:13	06:00	94	11:58	69S	17:55	266	18:42
2025	Oct	05	(Sun)	05:13	06:00	95	11:57	68S	17:55	265	18:41
2025	Oct	06	(Mon)	05:13	06:00	95	11:57	68S	17:54	265	18:41
2025	Oct	07	(Tue)	05:13	06:00	96	11:57	68S	17:53	264	18:40
2025	Oct	08	(Wed)	05:13	06:00	96	11:56	67S	17:52	264	18:39
2025	Oct	09	(Thu)	05:14	06:01	96	11:56	67S	17:51	264	18:38
2025	Oct	10	(Fri)	05:14	06:01	97	11:56	67S	17:51	263	18:38
2025	Oct	11	(Sat)	05:14	06:01	97	11:56	66S	17:50	263	18:37
2025	Oct	12	(Sun)	05:14	06:01	97	11:55	66S	17:49	262	18:36
2025	Oct	13	(Mon)	05:14	06:01	98	11:55	65S	17:49	262	18:36
2025	Oct	14	(Tue)	05:15	06:02	98	11:55	65S	17:48	262	18:35
2025	Oct	15	(Wed)	05:15	06:02	99	11:55	65S	17:47	261	18:34
2025	Oct	16	(Thu)	05:15	06:02	99	11:54	64S	17:46	261	18:34
2025	Oct	17	(Fri)	05:15	06:02	99	11:54	64S	17:46	260	18:33
2025	Oct	18	(Sat)	05:15	06:03	100	11:54	64S	17:45	260	18:32
2025	Oct	19	(Sun)	05:16	06:03	100	11:54	63S	17:44	260	18:32
2025	Oct	20	(Mon)	05:16	06:03	101	11:54	63S	17:44	259	18:31
2025	Oct	21	(Tue)	05:16	06:04	101	11:53	63S	17:43	259	18:31
2025	Oct	22	(Wed)	05:16	06:04	101	11:53	62S	17:43	258	18:30
2025	Oct	23	(Thu)	05:17	06:04	102	11:53	62S	17:42	258	18:30
2025	Oct	24	(Fri)	05:17	06:04	102	11:53	61S	17:41	258	18:29
2025	Oct	25	(Sat)	05:17	06:05	102	11:53	61S	17:41	257	18:29
2025	Oct	26	(Sun)	05:17	06:05	103	11:53	61S	17:40	257	18:28
2025	Oct	27	(Mon)	05:18	06:05	103	11:53	60S	17:40	257	18:28
2025	Oct	28	(Tue)	05:18	06:06	103	11:53	60S	17:39	256	18:27
2025	Oct	29	(Wed)	05:18	06:06	104	11:53	60S	17:39	256	18:27
2025	Oct	30	(Thu)	05:19	06:07	104	11:53	59S	17:38	256	18:26
2025	Oct	31	(Fri)	05:19	06:07	105	11:52	59S	17:38	255	18:26
2025	Nov	01	(Sat)	05:19	06:07	105	11:52	59S	17:37	255	18:25
2025	Nov	02	(Sun)	05:20	06:08	105	11:52	58S	17:37	255	18:25
2025	Nov	03	(Mon)	05:20	06:08	106	11:52	58S	17:36	254	18:25
2025	Nov	04	(Tue)	05:20	06:09	106	11:52	58S	17:36	254	18:24
2025	Nov	05	(Wed)	05:21	06:09	106	11:52	58S	17:36	254	18:24
2025	Nov	06	(Thu)	05:21	06:09	106	11:52	57S	17:35	253	18:24
2025	Nov	07	(Fri)	05:21	06:10	107	11:53	57S	17:35	253	18:23
2025	Nov	08	(Sat)	05:22	06:10	107	11:53	57S	17:35	253	18:23
2025	Nov	09	(Sun)	05:22	06:11	107	11:53	56S	17:34	252	18:23
2025	Nov	10	(Mon)	05:23	06:11	108	11:53	56S	17:34	252	18:23
2025	Nov	11	(Tue)	05:23	06:12	108	11:53	56S	17:34	252	18:23
2025	Nov	12	(Wed)	05:23	06:12	108	11:53	56S	17:34	252	18:22
2025	Nov	13	(Thu)	05:24	06:13	109	11:53	55S	17:33	251	18:22
2025	Nov	14	(Fri)	05:24	06:13	109	11:53	55S	17:33	251	18:22
2025	Nov	15	(Sat)	05:25	06:14	109	11:53	55S	17:33	251	18:22
2025	Nov	16	(Sun)	05:25	06:14	109	11:54	55S	17:33	250	18:22
2025	Nov	17	(Mon)	05:26	06:15	110	11:54	54S	17:33	250	18:22
2025	Nov	18	(Tue)	05:26	06:15	110	11:54	54S	17:32	250	18:22
2025	Nov	19	(Wed)	05:27	06:16	110	11:54	54S	17:32	250	18:22
2025	Nov	20	(Thu)	05:27	06:16	110	11:54	54S	17:32	249	18:22
2025	Nov	21	(Fri)	05:27	06:17	111	11:55	53S	17:32	249	18:22
2025	Nov	22	(Sat)	05:28	06:18	111	11:55	53S	17:32	249	18:22
2025	Nov	23	(Sun)	05:28	06:18	111	11:55	53S	17:32	249	18:22
2025	Nov	24	(Mon)	05:29	06:19	111	11:56	53S	17:32	249	18:22
2025	Nov	25	(Tue)	05:29	06:19	112	11:56	53S	17:32	248	18:22
2025	Nov	26	(Wed)	05:30	06:20	112	11:56	52S	17:32	248	18:22
2025	Nov	27	(Thu)	05:31	06:20	112	11:56	52S	17:32	248	18:22
2025	Nov	28	(Fri)	05:31	06:21	112	11:57	52S	17:32	248	18:22
2025	Nov	29	(Sat)	05:32	06:22	112	11:57	52S	17:33	248	18:23
2025	Nov	30	(Sun)	05:32	06:22	112	11:57	52S	17:33	247	18:23
2025	Dec	01	(Mon)	05:33	06:23	113	11:58	51S	17:33	247	18:23
2025	Dec	02	(Tue)	05:33	06:23	113	11:58	51S	17:33	247	18:23
2025	Dec	03	(Wed)	05:34	06:24	113	11:59	51S	17:33	247	18:23
2025	Dec	04	(Thu)	05:34	06:25	113	11:59	51S	17:33	247	18:24
2025	Dec	05	(Fri)	05:35	06:25	113	11:59	51S	17:34	247	18:24
2025	Dec	06	(Sat)	05:35	06:26	113	12:00	51S	17:34	247	18:24
2025	Dec	07	(Sun)	05:36	06:26	113	12:00	51S	17:34	246	18:25
2025	Dec	08	(Mon)	05:36	06:27	114	12:01	51S	17:34	246	18:25
2025	Dec	09	(Tue)	05:37	06:28	114	12:01	50S	17:35	246	18:25
2025	Dec	10	(Wed)	05:38	06:28	114	12:02	50S	17:35	246	18:26
2025	Dec	11	(Thu)	05:38	06:29	114	12:02	50S	17:35	246	18:26
2025	Dec	12	(Fri)	05:39	06:29	114	12:03	50S	17:36	246	18:26
2025	Dec	13	(Sat)	05:39	06:30	114	12:03	50S	17:36	246	18:27
2025	Dec	14	(Sun)	05:40	06:30	114	12:03	50S	17:36	246	18:27

2025	Dec 15	(Mon)	05:40	06:31	114	12:04	50S	17:37	246	18:28
2025	Dec 16	(Tue)	05:41	06:32	114	12:04	50S	17:37	246	18:28
2025	Dec 17	(Wed)	05:41	06:32	114	12:05	50S	17:38	246	18:28
2025	Dec 18	(Thu)	05:42	06:33	114	12:05	50S	17:38	246	18:29
2025	Dec 19	(Fri)	05:42	06:33	114	12:06	50S	17:39	246	18:29
2025	Dec 20	(Sat)	05:43	06:34	114	12:06	50S	17:39	246	18:30
2025	Dec 21	(Sun)	05:43	06:34	114	12:07	50S	17:40	246	18:30
2025	Dec 22	(Mon)	05:44	06:35	114	12:07	50S	17:40	246	18:31
2025	Dec 23	(Tue)	05:44	06:35	114	12:08	50S	17:41	246	18:31
2025	Dec 24	(Wed)	05:45	06:36	114	12:08	50S	17:41	246	18:32
2025	Dec 25	(Thu)	05:45	06:36	114	12:09	50S	17:42	246	18:32
2025	Dec 26	(Fri)	05:46	06:37	114	12:09	50S	17:42	246	18:33
2025	Dec 27	(Sat)	05:46	06:37	114	12:10	50S	17:43	246	18:33
2025	Dec 28	(Sun)	05:47	06:37	114	12:10	50S	17:43	246	18:34
2025	Dec 29	(Mon)	05:47	06:38	114	12:11	50S	17:44	246	18:35
2025	Dec 30	(Tue)	05:48	06:38	114	12:11	50S	17:44	246	18:35
2025	Dec 31	(Wed)	05:48	06:39	114	12:12	50S	17:45	246	18:36

Sun

Udon Thani

Location: E102°47'31.2", N17°24'39.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight		Rise	Az.	Transit Alt.		Set	Az.	End Civil Twilight	
	h	m	h	m °	h	m °	h	m °	h	m
2025	Jan 01	(Wed)	06:16	06:39	114	12:12	50S	17:46	246	18:09
2025	Jan 02	(Thu)	06:16	06:39	114	12:13	50S	17:46	246	18:10
2025	Jan 03	(Fri)	06:16	06:40	114	12:13	51S	17:47	246	18:10
2025	Jan 04	(Sat)	06:17	06:40	114	12:14	51S	17:48	246	18:11
2025	Jan 05	(Sun)	06:17	06:40	113	12:14	51S	17:48	247	18:12
2025	Jan 06	(Mon)	06:17	06:41	113	12:15	51S	17:49	247	18:12
2025	Jan 07	(Tue)	06:17	06:41	113	12:15	51S	17:49	247	18:13
2025	Jan 08	(Wed)	06:18	06:41	113	12:16	51S	17:50	247	18:13
2025	Jan 09	(Thu)	06:18	06:41	113	12:16	51S	17:51	247	18:14
2025	Jan 10	(Fri)	06:18	06:42	113	12:16	51S	17:51	247	18:15
2025	Jan 11	(Sat)	06:18	06:42	113	12:17	52S	17:52	247	18:15
2025	Jan 12	(Sun)	06:19	06:42	112	12:17	52S	17:53	248	18:16
2025	Jan 13	(Mon)	06:19	06:42	112	12:18	52S	17:53	248	18:16
2025	Jan 14	(Tue)	06:19	06:42	112	12:18	52S	17:54	248	18:17
2025	Jan 15	(Wed)	06:19	06:42	112	12:18	52S	17:54	248	18:18
2025	Jan 16	(Thu)	06:19	06:42	112	12:19	52S	17:55	248	18:18
2025	Jan 17	(Fri)	06:19	06:42	112	12:19	53S	17:56	249	18:19
2025	Jan 18	(Sat)	06:19	06:42	111	12:19	53S	17:56	249	18:19
2025	Jan 19	(Sun)	06:19	06:42	111	12:20	53S	17:57	249	18:20
2025	Jan 20	(Mon)	06:19	06:42	111	12:20	53S	17:57	249	18:20
2025	Jan 21	(Tue)	06:19	06:42	111	12:20	53S	17:58	249	18:21
2025	Jan 22	(Wed)	06:19	06:42	110	12:20	54S	17:59	250	18:22
2025	Jan 23	(Thu)	06:19	06:42	110	12:21	54S	17:59	250	18:22
2025	Jan 24	(Fri)	06:19	06:42	110	12:21	54S	18:00	250	18:23
2025	Jan 25	(Sat)	06:19	06:42	110	12:21	54S	18:00	250	18:23
2025	Jan 26	(Sun)	06:19	06:42	109	12:21	55S	18:01	251	18:24
2025	Jan 27	(Mon)	06:19	06:42	109	12:22	55S	18:01	251	18:24
2025	Jan 28	(Tue)	06:19	06:42	109	12:22	55S	18:02	251	18:25
2025	Jan 29	(Wed)	06:19	06:41	109	12:22	55S	18:03	252	18:25
2025	Jan 30	(Thu)	06:19	06:41	108	12:22	56S	18:03	252	18:26
2025	Jan 31	(Fri)	06:18	06:41	108	12:22	56S	18:04	252	18:26
2025	Feb 01	(Sat)	06:18	06:41	108	12:22	56S	18:04	252	18:27
2025	Feb 02	(Sun)	06:18	06:41	107	12:23	57S	18:05	253	18:27
2025	Feb 03	(Mon)	06:18	06:40	107	12:23	57S	18:05	253	18:28
2025	Feb 04	(Tue)	06:17	06:40	107	12:23	57S	18:06	253	18:28
2025	Feb 05	(Wed)	06:17	06:40	106	12:23	57S	18:06	254	18:29
2025	Feb 06	(Thu)	06:17	06:39	106	12:23	58S	18:07	254	18:29
2025	Feb 07	(Fri)	06:17	06:39	106	12:23	58S	18:07	254	18:29
2025	Feb 08	(Sat)	06:16	06:39	105	12:23	58S	18:08	255	18:30
2025	Feb 09	(Sun)	06:16	06:38	105	12:23	59S	18:08	255	18:30
2025	Feb 10	(Mon)	06:15	06:38	105	12:23	59S	18:08	255	18:31
2025	Feb 11	(Tue)	06:15	06:37	104	12:23	59S	18:09	256	18:31

2025	Feb	12	(Wed)	06:15	06:37	104	12:23	60S	18:09	256	18:32
2025	Feb	13	(Thu)	06:14	06:36	104	12:23	60S	18:10	256	18:32
2025	Feb	14	(Fri)	06:14	06:36	103	12:23	60S	18:10	257	18:32
2025	Feb	15	(Sat)	06:13	06:36	103	12:23	61S	18:11	257	18:33
2025	Feb	16	(Sun)	06:13	06:35	103	12:23	61S	18:11	258	18:33
2025	Feb	17	(Mon)	06:12	06:34	102	12:23	61S	18:11	258	18:33
2025	Feb	18	(Tue)	06:12	06:34	102	12:23	62S	18:12	258	18:34
2025	Feb	19	(Wed)	06:11	06:33	102	12:23	62S	18:12	259	18:34
2025	Feb	20	(Thu)	06:11	06:33	101	12:23	62S	18:12	259	18:34
2025	Feb	21	(Fri)	06:10	06:32	101	12:22	63S	18:13	259	18:35
2025	Feb	22	(Sat)	06:10	06:32	100	12:22	63S	18:13	260	18:35
2025	Feb	23	(Sun)	06:09	06:31	100	12:22	64S	18:13	260	18:35
2025	Feb	24	(Mon)	06:09	06:30	100	12:22	64S	18:14	261	18:36
2025	Feb	25	(Tue)	06:08	06:30	99	12:22	64S	18:14	261	18:36
2025	Feb	26	(Wed)	06:07	06:29	99	12:22	65S	18:14	261	18:36
2025	Feb	27	(Thu)	06:07	06:29	98	12:22	65S	18:15	262	18:37
2025	Feb	28	(Fri)	06:06	06:28	98	12:21	65S	18:15	262	18:37
2025	Mar	01	(Sat)	06:05	06:27	98	12:21	66S	18:15	263	18:37
2025	Mar	02	(Sun)	06:05	06:27	97	12:21	66S	18:16	263	18:37
2025	Mar	03	(Mon)	06:04	06:26	97	12:21	67S	18:16	263	18:38
2025	Mar	04	(Tue)	06:03	06:25	96	12:21	67S	18:16	264	18:38
2025	Mar	05	(Wed)	06:03	06:24	96	12:20	67S	18:16	264	18:38
2025	Mar	06	(Thu)	06:02	06:24	96	12:20	68S	18:17	265	18:38
2025	Mar	07	(Fri)	06:01	06:23	95	12:20	68S	18:17	265	18:39
2025	Mar	08	(Sat)	06:01	06:22	95	12:20	69S	18:17	265	18:39
2025	Mar	09	(Sun)	06:00	06:22	94	12:19	69S	18:17	266	18:39
2025	Mar	10	(Mon)	05:59	06:21	94	12:19	69S	18:18	266	18:39
2025	Mar	11	(Tue)	05:58	06:20	94	12:19	70S	18:18	267	18:40
2025	Mar	12	(Wed)	05:58	06:19	93	12:19	70S	18:18	267	18:40
2025	Mar	13	(Thu)	05:57	06:19	93	12:18	70S	18:18	267	18:40
2025	Mar	14	(Fri)	05:56	06:18	92	12:18	71S	18:19	268	18:40
2025	Mar	15	(Sat)	05:55	06:17	92	12:18	71S	18:19	268	18:40
2025	Mar	16	(Sun)	05:55	06:16	92	12:17	72S	18:19	269	18:41
2025	Mar	17	(Mon)	05:54	06:15	91	12:17	72S	18:19	269	18:41
2025	Mar	18	(Tue)	05:53	06:15	91	12:17	72S	18:19	269	18:41
2025	Mar	19	(Wed)	05:52	06:14	90	12:17	73S	18:20	270	18:41
2025	Mar	20	(Thu)	05:51	06:13	90	12:16	73S	18:20	270	18:41
2025	Mar	21	(Fri)	05:51	06:12	89	12:16	74S	18:20	271	18:42
2025	Mar	22	(Sat)	05:50	06:11	89	12:16	74S	18:20	271	18:42
2025	Mar	23	(Sun)	05:49	06:11	89	12:15	74S	18:20	272	18:42
2025	Mar	24	(Mon)	05:48	06:10	88	12:15	75S	18:21	272	18:42
2025	Mar	25	(Tue)	05:47	06:09	88	12:15	75S	18:21	272	18:42
2025	Mar	26	(Wed)	05:47	06:08	87	12:14	76S	18:21	273	18:43
2025	Mar	27	(Thu)	05:46	06:08	87	12:14	76S	18:21	273	18:43
2025	Mar	28	(Fri)	05:45	06:07	87	12:14	76S	18:21	274	18:43
2025	Mar	29	(Sat)	05:44	06:06	86	12:14	77S	18:21	274	18:43
2025	Mar	30	(Sun)	05:43	06:05	86	12:13	77S	18:22	274	18:43
2025	Mar	31	(Mon)	05:43	06:04	85	12:13	78S	18:22	275	18:44
2025	Apr	01	(Tue)	05:42	06:04	85	12:13	78S	18:22	275	18:44
2025	Apr	02	(Wed)	05:41	06:03	85	12:12	78S	18:22	276	18:44
2025	Apr	03	(Thu)	05:40	06:02	84	12:12	79S	18:22	276	18:44
2025	Apr	04	(Fri)	05:39	06:01	84	12:12	79S	18:23	276	18:44
2025	Apr	05	(Sat)	05:39	06:00	83	12:12	79S	18:23	277	18:45
2025	Apr	06	(Sun)	05:38	06:00	83	12:11	80S	18:23	277	18:45
2025	Apr	07	(Mon)	05:37	05:59	83	12:11	80S	18:23	278	18:45
2025	Apr	08	(Tue)	05:36	05:58	82	12:11	81S	18:23	278	18:45
2025	Apr	09	(Wed)	05:35	05:57	82	12:10	81S	18:24	278	18:46
2025	Apr	10	(Thu)	05:35	05:57	81	12:10	81S	18:24	279	18:46
2025	Apr	11	(Fri)	05:34	05:56	81	12:10	82S	18:24	279	18:46
2025	Apr	12	(Sat)	05:33	05:55	81	12:10	82S	18:24	280	18:46
2025	Apr	13	(Sun)	05:32	05:54	80	12:09	82S	18:24	280	18:47
2025	Apr	14	(Mon)	05:32	05:54	80	12:09	83S	18:25	280	18:47
2025	Apr	15	(Tue)	05:31	05:53	79	12:09	83S	18:25	281	18:47
2025	Apr	16	(Wed)	05:30	05:52	79	12:09	84S	18:25	281	18:47
2025	Apr	17	(Thu)	05:29	05:52	79	12:08	84S	18:25	281	18:48
2025	Apr	18	(Fri)	05:29	05:51	78	12:08	84S	18:26	282	18:48
2025	Apr	19	(Sat)	05:28	05:50	78	12:08	85S	18:26	282	18:48
2025	Apr	20	(Sun)	05:27	05:50	78	12:08	85S	18:26	283	18:48
2025	Apr	21	(Mon)	05:27	05:49	77	12:08	85S	18:26	283	18:49
2025	Apr	22	(Tue)	05:26	05:48	77	12:07	86S	18:27	283	18:49
2025	Apr	23	(Wed)	05:25	05:48	77	12:07	86S	18:27	284	18:49
2025	Apr	24	(Thu)	05:25	05:47	76	12:07	86S	18:27	284	18:50

2025	Apr	25	(Fri)	05:24	05:46	76	12:07	87S	18:27	284	18:50
2025	Apr	26	(Sat)	05:23	05:46	76	12:07	87S	18:28	285	18:50
2025	Apr	27	(Sun)	05:23	05:45	75	12:06	87S	18:28	285	18:50
2025	Apr	28	(Mon)	05:22	05:45	75	12:06	88S	18:28	285	18:51
2025	Apr	29	(Tue)	05:21	05:44	75	12:06	88S	18:29	286	18:51
2025	Apr	30	(Wed)	05:21	05:44	74	12:06	88S	18:29	286	18:51
2025	May	01	(Thu)	05:20	05:43	74	12:06	88S	18:29	286	18:52
2025	May	02	(Fri)	05:20	05:42	74	12:06	89S	18:29	287	18:52
2025	May	03	(Sat)	05:19	05:42	73	12:06	89S	18:30	287	18:52
2025	May	04	(Sun)	05:19	05:41	73	12:06	89S	18:30	287	18:53
2025	May	05	(Mon)	05:18	05:41	73	12:06	90S	18:30	287	18:53
2025	May	06	(Tue)	05:18	05:40	72	12:05	90S	18:31	288	18:54
2025	May	07	(Wed)	05:17	05:40	72	12:05	90S	18:31	288	18:54
2025	May	08	(Thu)	05:17	05:40	72	12:05	90S	18:31	288	18:54
2025	May	09	(Fri)	05:16	05:39	72	12:05	91N	18:32	289	18:55
2025	May	10	(Sat)	05:16	05:39	71	12:05	90N	18:32	289	18:55
2025	May	11	(Sun)	05:15	05:38	71	12:05	90N	18:32	289	18:55
2025	May	12	(Mon)	05:15	05:38	71	12:05	90N	18:33	289	18:56
2025	May	13	(Tue)	05:14	05:38	70	12:05	90N	18:33	290	18:56
2025	May	14	(Wed)	05:14	05:37	70	12:05	89N	18:33	290	18:57
2025	May	15	(Thu)	05:14	05:37	70	12:05	89N	18:34	290	18:57
2025	May	16	(Fri)	05:13	05:37	70	12:05	89N	18:34	290	18:57
2025	May	17	(Sat)	05:13	05:36	69	12:05	89N	18:34	291	18:58
2025	May	18	(Sun)	05:13	05:36	69	12:05	89N	18:35	291	18:58
2025	May	19	(Mon)	05:12	05:36	69	12:05	88N	18:35	291	18:58
2025	May	20	(Tue)	05:12	05:35	69	12:05	88N	18:35	291	18:59
2025	May	21	(Wed)	05:12	05:35	69	12:05	88N	18:36	292	18:59
2025	May	22	(Thu)	05:11	05:35	68	12:05	88N	18:36	292	19:00
2025	May	23	(Fri)	05:11	05:35	68	12:06	87N	18:37	292	19:00
2025	May	24	(Sat)	05:11	05:35	68	12:06	87N	18:37	292	19:00
2025	May	25	(Sun)	05:11	05:34	68	12:06	87N	18:37	292	19:01
2025	May	26	(Mon)	05:11	05:34	68	12:06	87N	18:38	293	19:01
2025	May	27	(Tue)	05:10	05:34	67	12:06	87N	18:38	293	19:02
2025	May	28	(Wed)	05:10	05:34	67	12:06	87N	18:38	293	19:02
2025	May	29	(Thu)	05:10	05:34	67	12:06	86N	18:39	293	19:02
2025	May	30	(Fri)	05:10	05:34	67	12:06	86N	18:39	293	19:03
2025	May	31	(Sat)	05:10	05:34	67	12:07	86N	18:39	293	19:03
2025	Jun	01	(Sun)	05:10	05:34	67	12:07	86N	18:40	294	19:04
2025	Jun	02	(Mon)	05:10	05:34	66	12:07	86N	18:40	294	19:04
2025	Jun	03	(Tue)	05:10	05:34	66	12:07	86N	18:41	294	19:04
2025	Jun	04	(Wed)	05:10	05:34	66	12:07	86N	18:41	294	19:05
2025	Jun	05	(Thu)	05:10	05:34	66	12:07	86N	18:41	294	19:05
2025	Jun	06	(Fri)	05:10	05:34	66	12:08	85N	18:42	294	19:05
2025	Jun	07	(Sat)	05:10	05:34	66	12:08	85N	18:42	294	19:06
2025	Jun	08	(Sun)	05:10	05:34	66	12:08	85N	18:42	294	19:06
2025	Jun	09	(Mon)	05:10	05:34	66	12:08	85N	18:43	294	19:07
2025	Jun	10	(Tue)	05:10	05:34	66	12:08	85N	18:43	295	19:07
2025	Jun	11	(Wed)	05:10	05:34	65	12:08	85N	18:43	295	19:07
2025	Jun	12	(Thu)	05:10	05:34	65	12:09	85N	18:43	295	19:07
2025	Jun	13	(Fri)	05:10	05:34	65	12:09	85N	18:44	295	19:08
2025	Jun	14	(Sat)	05:10	05:34	65	12:09	85N	18:44	295	19:08
2025	Jun	15	(Sun)	05:10	05:34	65	12:09	85N	18:44	295	19:08
2025	Jun	16	(Mon)	05:10	05:35	65	12:10	85N	18:45	295	19:09
2025	Jun	17	(Tue)	05:11	05:35	65	12:10	85N	18:45	295	19:09
2025	Jun	18	(Wed)	05:11	05:35	65	12:10	85N	18:45	295	19:09
2025	Jun	19	(Thu)	05:11	05:35	65	12:10	85N	18:45	295	19:09
2025	Jun	20	(Fri)	05:11	05:35	65	12:10	85N	18:46	295	19:10
2025	Jun	21	(Sat)	05:11	05:36	65	12:11	85N	18:46	295	19:10
2025	Jun	22	(Sun)	05:12	05:36	65	12:11	85N	18:46	295	19:10
2025	Jun	23	(Mon)	05:12	05:36	65	12:11	85N	18:46	295	19:10
2025	Jun	24	(Tue)	05:12	05:36	65	12:11	85N	18:46	295	19:10
2025	Jun	25	(Wed)	05:12	05:36	65	12:12	85N	18:47	295	19:11
2025	Jun	26	(Thu)	05:13	05:37	65	12:12	85N	18:47	295	19:11
2025	Jun	27	(Fri)	05:13	05:37	65	12:12	85N	18:47	295	19:11
2025	Jun	28	(Sat)	05:13	05:37	65	12:12	85N	18:47	295	19:11
2025	Jun	29	(Sun)	05:13	05:38	65	12:12	85N	18:47	295	19:11
2025	Jun	30	(Mon)	05:14	05:38	65	12:13	85N	18:47	295	19:11
2025	Jul	01	(Tue)	05:14	05:38	65	12:13	85N	18:47	295	19:11
2025	Jul	02	(Wed)	05:14	05:38	66	12:13	85N	18:47	294	19:11
2025	Jul	03	(Thu)	05:15	05:39	66	12:13	85N	18:47	294	19:11
2025	Jul	04	(Fri)	05:15	05:39	66	12:13	85N	18:47	294	19:11
2025	Jul	05	(Sat)	05:15	05:39	66	12:13	85N	18:48	294	19:11

2025	Jul	06	(Sun)	05:16	05:40	66	12:14	85N	18:48	294	19:11
2025	Jul	07	(Mon)	05:16	05:40	66	12:14	86N	18:48	294	19:11
2025	Jul	08	(Tue)	05:16	05:40	66	12:14	86N	18:48	294	19:11
2025	Jul	09	(Wed)	05:17	05:41	66	12:14	86N	18:47	294	19:11
2025	Jul	10	(Thu)	05:17	05:41	66	12:14	86N	18:47	294	19:11
2025	Jul	11	(Fri)	05:17	05:41	66	12:14	86N	18:47	293	19:11
2025	Jul	12	(Sat)	05:18	05:42	67	12:15	86N	18:47	293	19:11
2025	Jul	13	(Sun)	05:18	05:42	67	12:15	86N	18:47	293	19:11
2025	Jul	14	(Mon)	05:19	05:42	67	12:15	86N	18:47	293	19:11
2025	Jul	15	(Tue)	05:19	05:43	67	12:15	87N	18:47	293	19:11
2025	Jul	16	(Wed)	05:19	05:43	67	12:15	87N	18:47	293	19:10
2025	Jul	17	(Thu)	05:20	05:43	67	12:15	87N	18:47	292	19:10
2025	Jul	18	(Fri)	05:20	05:44	68	12:15	87N	18:46	292	19:10
2025	Jul	19	(Sat)	05:20	05:44	68	12:15	87N	18:46	292	19:10
2025	Jul	20	(Sun)	05:21	05:44	68	12:15	88N	18:46	292	19:09
2025	Jul	21	(Mon)	05:21	05:45	68	12:15	88N	18:46	292	19:09
2025	Jul	22	(Tue)	05:22	05:45	68	12:15	88N	18:46	291	19:09
2025	Jul	23	(Wed)	05:22	05:45	69	12:15	88N	18:45	291	19:09
2025	Jul	24	(Thu)	05:22	05:46	69	12:15	88N	18:45	291	19:08
2025	Jul	25	(Fri)	05:23	05:46	69	12:15	89N	18:45	291	19:08
2025	Jul	26	(Sat)	05:23	05:46	69	12:15	89N	18:44	291	19:08
2025	Jul	27	(Sun)	05:23	05:47	70	12:15	89N	18:44	290	19:07
2025	Jul	28	(Mon)	05:24	05:47	70	12:15	89N	18:44	290	19:07
2025	Jul	29	(Tue)	05:24	05:47	70	12:15	89N	18:43	290	19:06
2025	Jul	30	(Wed)	05:24	05:48	70	12:15	90N	18:43	290	19:06
2025	Jul	31	(Thu)	05:25	05:48	71	12:15	90N	18:43	289	19:06
2025	Aug	01	(Fri)	05:25	05:48	71	12:15	90N	18:42	289	19:05
2025	Aug	02	(Sat)	05:25	05:48	71	12:15	90N	18:42	289	19:05
2025	Aug	03	(Sun)	05:26	05:49	71	12:15	91N	18:41	288	19:04
2025	Aug	04	(Mon)	05:26	05:49	72	12:15	90S	18:41	288	19:04
2025	Aug	05	(Tue)	05:26	05:49	72	12:15	90S	18:40	288	19:03
2025	Aug	06	(Wed)	05:27	05:50	72	12:15	90S	18:40	288	19:03
2025	Aug	07	(Thu)	05:27	05:50	72	12:15	90S	18:39	287	19:02
2025	Aug	08	(Fri)	05:27	05:50	73	12:15	89S	18:39	287	19:01
2025	Aug	09	(Sat)	05:28	05:50	73	12:14	89S	18:38	287	19:01
2025	Aug	10	(Sun)	05:28	05:51	73	12:14	89S	18:38	286	19:00
2025	Aug	11	(Mon)	05:28	05:51	74	12:14	88S	18:37	286	19:00
2025	Aug	12	(Tue)	05:28	05:51	74	12:14	88S	18:36	286	18:59
2025	Aug	13	(Wed)	05:29	05:51	74	12:14	88S	18:36	285	18:58
2025	Aug	14	(Thu)	05:29	05:52	75	12:14	88S	18:35	285	18:58
2025	Aug	15	(Fri)	05:29	05:52	75	12:13	87S	18:35	285	18:57
2025	Aug	16	(Sat)	05:30	05:52	75	12:13	87S	18:34	285	18:57
2025	Aug	17	(Sun)	05:30	05:52	76	12:13	87S	18:33	284	18:56
2025	Aug	18	(Mon)	05:30	05:52	76	12:13	86S	18:33	284	18:55
2025	Aug	19	(Tue)	05:30	05:53	76	12:12	86S	18:32	283	18:54
2025	Aug	20	(Wed)	05:31	05:53	77	12:12	86S	18:31	283	18:54
2025	Aug	21	(Thu)	05:31	05:53	77	12:12	85S	18:31	283	18:53
2025	Aug	22	(Fri)	05:31	05:53	77	12:12	85S	18:30	282	18:52
2025	Aug	23	(Sat)	05:31	05:53	78	12:12	85S	18:29	282	18:52
2025	Aug	24	(Sun)	05:31	05:54	78	12:11	84S	18:29	282	18:51
2025	Aug	25	(Mon)	05:32	05:54	78	12:11	84S	18:28	281	18:50
2025	Aug	26	(Tue)	05:32	05:54	79	12:11	84S	18:27	281	18:49
2025	Aug	27	(Wed)	05:32	05:54	79	12:10	83S	18:26	281	18:48
2025	Aug	28	(Thu)	05:32	05:54	80	12:10	83S	18:26	280	18:48
2025	Aug	29	(Fri)	05:32	05:55	80	12:10	83S	18:25	280	18:47
2025	Aug	30	(Sat)	05:33	05:55	80	12:10	82S	18:24	279	18:46
2025	Aug	31	(Sun)	05:33	05:55	81	12:09	82S	18:23	279	18:45
2025	Sep	01	(Mon)	05:33	05:55	81	12:09	81S	18:23	279	18:44
2025	Sep	02	(Tue)	05:33	05:55	81	12:09	81S	18:22	278	18:44
2025	Sep	03	(Wed)	05:33	05:55	82	12:08	81S	18:21	278	18:43
2025	Sep	04	(Thu)	05:34	05:55	82	12:08	80S	18:20	278	18:42
2025	Sep	05	(Fri)	05:34	05:56	83	12:08	80S	18:19	277	18:41
2025	Sep	06	(Sat)	05:34	05:56	83	12:07	80S	18:18	277	18:40
2025	Sep	07	(Sun)	05:34	05:56	83	12:07	79S	18:18	276	18:40
2025	Sep	08	(Mon)	05:34	05:56	84	12:07	79S	18:17	276	18:39
2025	Sep	09	(Tue)	05:34	05:56	84	12:06	79S	18:16	276	18:38
2025	Sep	10	(Wed)	05:34	05:56	85	12:06	78S	18:15	275	18:37
2025	Sep	11	(Thu)	05:35	05:56	85	12:05	78S	18:14	275	18:36
2025	Sep	12	(Fri)	05:35	05:56	85	12:05	77S	18:14	274	18:35
2025	Sep	13	(Sat)	05:35	05:57	86	12:05	77S	18:13	274	18:34
2025	Sep	14	(Sun)	05:35	05:57	86	12:04	77S	18:12	274	18:34
2025	Sep	15	(Mon)	05:35	05:57	87	12:04	76S	18:11	273	18:33

2025	Sep	16	(Tue)	05:35	05:57	87	12:04	76S	18:10	273	18:32
2025	Sep	17	(Wed)	05:35	05:57	87	12:03	75S	18:09	272	18:31
2025	Sep	18	(Thu)	05:36	05:57	88	12:03	75S	18:08	272	18:30
2025	Sep	19	(Fri)	05:36	05:57	88	12:03	75S	18:08	272	18:29
2025	Sep	20	(Sat)	05:36	05:58	89	12:02	74S	18:07	271	18:28
2025	Sep	21	(Sun)	05:36	05:58	89	12:02	74S	18:06	271	18:28
2025	Sep	22	(Mon)	05:36	05:58	89	12:02	74S	18:05	270	18:27
2025	Sep	23	(Tue)	05:36	05:58	90	12:01	73S	18:04	270	18:26
2025	Sep	24	(Wed)	05:36	05:58	90	12:01	73S	18:03	270	18:25
2025	Sep	25	(Thu)	05:37	05:58	91	12:01	72S	18:03	269	18:24
2025	Sep	26	(Fri)	05:37	05:58	91	12:00	72S	18:02	269	18:23
2025	Sep	27	(Sat)	05:37	05:59	91	12:00	72S	18:01	268	18:23
2025	Sep	28	(Sun)	05:37	05:59	92	12:00	71S	18:00	268	18:22
2025	Sep	29	(Mon)	05:37	05:59	92	11:59	71S	17:59	268	18:21
2025	Sep	30	(Tue)	05:37	05:59	93	11:59	70S	17:58	267	18:20
2025	Oct	01	(Wed)	05:37	05:59	93	11:59	70S	17:58	267	18:19
2025	Oct	02	(Thu)	05:38	05:59	93	11:58	70S	17:57	266	18:19
2025	Oct	03	(Fri)	05:38	05:59	94	11:58	69S	17:56	266	18:18
2025	Oct	04	(Sat)	05:38	06:00	94	11:58	69S	17:55	266	18:17
2025	Oct	05	(Sun)	05:38	06:00	95	11:57	68S	17:55	265	18:16
2025	Oct	06	(Mon)	05:38	06:00	95	11:57	68S	17:54	265	18:15
2025	Oct	07	(Tue)	05:38	06:00	96	11:57	68S	17:53	264	18:15
2025	Oct	08	(Wed)	05:39	06:00	96	11:56	67S	17:52	264	18:14
2025	Oct	09	(Thu)	05:39	06:01	96	11:56	67S	17:51	264	18:13
2025	Oct	10	(Fri)	05:39	06:01	97	11:56	67S	17:51	263	18:12
2025	Oct	11	(Sat)	05:39	06:01	97	11:56	66S	17:50	263	18:12
2025	Oct	12	(Sun)	05:39	06:01	97	11:55	66S	17:49	262	18:11
2025	Oct	13	(Mon)	05:40	06:01	98	11:55	65S	17:49	262	18:10
2025	Oct	14	(Tue)	05:40	06:02	98	11:55	65S	17:48	262	18:10
2025	Oct	15	(Wed)	05:40	06:02	99	11:55	65S	17:47	261	18:09
2025	Oct	16	(Thu)	05:40	06:02	99	11:54	64S	17:46	261	18:08
2025	Oct	17	(Fri)	05:41	06:02	99	11:54	64S	17:46	260	18:08
2025	Oct	18	(Sat)	05:41	06:03	100	11:54	64S	17:45	260	18:07
2025	Oct	19	(Sun)	05:41	06:03	100	11:54	63S	17:44	260	18:06
2025	Oct	20	(Mon)	05:41	06:03	101	11:54	63S	17:44	259	18:06
2025	Oct	21	(Tue)	05:42	06:04	101	11:53	63S	17:43	259	18:05
2025	Oct	22	(Wed)	05:42	06:04	101	11:53	62S	17:43	258	18:05
2025	Oct	23	(Thu)	05:42	06:04	102	11:53	62S	17:42	258	18:04
2025	Oct	24	(Fri)	05:42	06:04	102	11:53	61S	17:41	258	18:03
2025	Oct	25	(Sat)	05:43	06:05	102	11:53	61S	17:41	257	18:03
2025	Oct	26	(Sun)	05:43	06:05	103	11:53	61S	17:40	257	18:02
2025	Oct	27	(Mon)	05:43	06:05	103	11:53	60S	17:40	257	18:02
2025	Oct	28	(Tue)	05:44	06:06	103	11:53	60S	17:39	256	18:01
2025	Oct	29	(Wed)	05:44	06:06	104	11:53	60S	17:39	256	18:01
2025	Oct	30	(Thu)	05:44	06:07	104	11:53	59S	17:38	256	18:01
2025	Oct	31	(Fri)	05:45	06:07	105	11:52	59S	17:38	255	18:00
2025	Nov	01	(Sat)	05:45	06:07	105	11:52	59S	17:37	255	18:00
2025	Nov	02	(Sun)	05:45	06:08	105	11:52	58S	17:37	255	17:59
2025	Nov	03	(Mon)	05:46	06:08	106	11:52	58S	17:36	254	17:59
2025	Nov	04	(Tue)	05:46	06:09	106	11:52	58S	17:36	254	17:59
2025	Nov	05	(Wed)	05:47	06:09	106	11:52	58S	17:36	254	17:58
2025	Nov	06	(Thu)	05:47	06:09	106	11:52	57S	17:35	253	17:58
2025	Nov	07	(Fri)	05:47	06:10	107	11:53	57S	17:35	253	17:58
2025	Nov	08	(Sat)	05:48	06:10	107	11:53	57S	17:35	253	17:57
2025	Nov	09	(Sun)	05:48	06:11	107	11:53	56S	17:34	252	17:57
2025	Nov	10	(Mon)	05:49	06:11	108	11:53	56S	17:34	252	17:57
2025	Nov	11	(Tue)	05:49	06:12	108	11:53	56S	17:34	252	17:56
2025	Nov	12	(Wed)	05:50	06:12	108	11:53	56S	17:34	252	17:56
2025	Nov	13	(Thu)	05:50	06:13	109	11:53	55S	17:33	251	17:56
2025	Nov	14	(Fri)	05:50	06:13	109	11:53	55S	17:33	251	17:56
2025	Nov	15	(Sat)	05:51	06:14	109	11:53	55S	17:33	251	17:56
2025	Nov	16	(Sun)	05:51	06:14	109	11:54	55S	17:33	250	17:56
2025	Nov	17	(Mon)	05:52	06:15	110	11:54	54S	17:33	250	17:56
2025	Nov	18	(Tue)	05:52	06:15	110	11:54	54S	17:32	250	17:55
2025	Nov	19	(Wed)	05:53	06:16	110	11:54	54S	17:32	250	17:55
2025	Nov	20	(Thu)	05:53	06:16	110	11:54	54S	17:32	249	17:55
2025	Nov	21	(Fri)	05:54	06:17	111	11:55	53S	17:32	249	17:55
2025	Nov	22	(Sat)	05:54	06:18	111	11:55	53S	17:32	249	17:55
2025	Nov	23	(Sun)	05:55	06:18	111	11:55	53S	17:32	249	17:55
2025	Nov	24	(Mon)	05:56	06:19	111	11:56	53S	17:32	249	17:55
2025	Nov	25	(Tue)	05:56	06:19	112	11:56	53S	17:32	248	17:55
2025	Nov	26	(Wed)	05:57	06:20	112	11:56	52S	17:32	248	17:55

2025	Nov	27	(Thu)	05:57	06:20	112	11:56	52S	17:32	248	17:56
2025	Nov	28	(Fri)	05:58	06:21	112	11:57	52S	17:32	248	17:56
2025	Nov	29	(Sat)	05:58	06:22	112	11:57	52S	17:33	248	17:56
2025	Nov	30	(Sun)	05:59	06:22	112	11:57	52S	17:33	247	17:56
2025	Dec	01	(Mon)	05:59	06:23	113	11:58	51S	17:33	247	17:56
2025	Dec	02	(Tue)	06:00	06:23	113	11:58	51S	17:33	247	17:56
2025	Dec	03	(Wed)	06:01	06:24	113	11:59	51S	17:33	247	17:57
2025	Dec	04	(Thu)	06:01	06:25	113	11:59	51S	17:33	247	17:57
2025	Dec	05	(Fri)	06:02	06:25	113	11:59	51S	17:34	247	17:57
2025	Dec	06	(Sat)	06:02	06:26	113	12:00	51S	17:34	247	17:57
2025	Dec	07	(Sun)	06:03	06:26	113	12:00	51S	17:34	246	17:58
2025	Dec	08	(Mon)	06:03	06:27	114	12:01	51S	17:34	246	17:58
2025	Dec	09	(Tue)	06:04	06:28	114	12:01	50S	17:35	246	17:58
2025	Dec	10	(Wed)	06:05	06:28	114	12:02	50S	17:35	246	17:59
2025	Dec	11	(Thu)	06:05	06:29	114	12:02	50S	17:35	246	17:59
2025	Dec	12	(Fri)	06:06	06:29	114	12:03	50S	17:36	246	17:59
2025	Dec	13	(Sat)	06:06	06:30	114	12:03	50S	17:36	246	18:00
2025	Dec	14	(Sun)	06:07	06:30	114	12:03	50S	17:36	246	18:00
2025	Dec	15	(Mon)	06:07	06:31	114	12:04	50S	17:37	246	18:00
2025	Dec	16	(Tue)	06:08	06:32	114	12:04	50S	17:37	246	18:01
2025	Dec	17	(Wed)	06:08	06:32	114	12:05	50S	17:38	246	18:01
2025	Dec	18	(Thu)	06:09	06:33	114	12:05	50S	17:38	246	18:02
2025	Dec	19	(Fri)	06:10	06:33	114	12:06	50S	17:39	246	18:02
2025	Dec	20	(Sat)	06:10	06:34	114	12:06	50S	17:39	246	18:03
2025	Dec	21	(Sun)	06:11	06:34	114	12:07	50S	17:40	246	18:03
2025	Dec	22	(Mon)	06:11	06:35	114	12:07	50S	17:40	246	18:04
2025	Dec	23	(Tue)	06:12	06:35	114	12:08	50S	17:41	246	18:04
2025	Dec	24	(Wed)	06:12	06:36	114	12:08	50S	17:41	246	18:05
2025	Dec	25	(Thu)	06:12	06:36	114	12:09	50S	17:42	246	18:05
2025	Dec	26	(Fri)	06:13	06:37	114	12:09	50S	17:42	246	18:06
2025	Dec	27	(Sat)	06:13	06:37	114	12:10	50S	17:43	246	18:06
2025	Dec	28	(Sun)	06:14	06:37	114	12:10	50S	17:43	246	18:07
2025	Dec	29	(Mon)	06:14	06:38	114	12:11	50S	17:44	246	18:07
2025	Dec	30	(Tue)	06:15	06:38	114	12:11	50S	17:44	246	18:08
2025	Dec	31	(Wed)	06:15	06:39	114	12:12	50S	17:45	246	18:09

Moon

Udon Thani

Location: E102°47'31.2", N17°24'39.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Rise	Az.	Transit Alt.			Set	Az.		
				h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	07:49		117	13:26		48S	19:06		244
2025	Jan	02	(Thu)	08:38		113	14:21		52S	20:07		249
2025	Jan	03	(Fri)	09:23		108	15:13		57S	21:06		255
2025	Jan	04	(Sat)	10:04		101	16:02		63S	22:03		262
2025	Jan	05	(Sun)	10:43		95	16:49		70S	22:59		269
2025	Jan	06	(Mon)	11:22		87	17:36		77S	23:55		276
2025	Jan	07	(Tue)	12:00		80	18:24		84S			
2025	Jan	08	(Wed)	12:42		74	19:15		91S	00:53		283
2025	Jan	09	(Thu)	13:27		68	20:09		86N	01:53		290
2025	Jan	10	(Fri)	14:18		63	21:08		82N	02:56		295
2025	Jan	11	(Sat)	15:14		61	22:08		80N	04:00		298
2025	Jan	12	(Sun)	16:15		60	23:10		80N	05:04		300
2025	Jan	13	(Mon)	17:17		62				06:04		299
2025	Jan	14	(Tue)	18:18		65	00:09		82N	06:59		297
2025	Jan	15	(Wed)	19:16		69	01:04		85N	07:47		293
2025	Jan	16	(Thu)	20:11		75	01:55		90N	08:29		288
2025	Jan	17	(Fri)	21:01		81	02:41		86S	09:06		282
2025	Jan	18	(Sat)	21:50		87	03:23		81S	09:40		276
2025	Jan	19	(Sun)	22:37		93	04:03		75S	10:13		270
2025	Jan	20	(Mon)	23:24		99	04:42		69S	10:44		264
2025	Jan	21	(Tue)				05:22		63S	11:17		258
2025	Jan	22	(Wed)	00:11		105	06:03		57S	11:51		253
2025	Jan	23	(Thu)	01:01		110	06:46		53S	12:29		248
2025	Jan	24	(Fri)	01:53		114	07:33		49S	13:11		244
2025	Jan	25	(Sat)	02:48		118	08:24		46S	13:58		241

2025	Jan	26	(Sun)	03:45	120	09:19	44S	14:51	240
2025	Jan	27	(Mon)	04:43	120	10:16	44S	15:50	240
2025	Jan	28	(Tue)	05:38	118	11:13	46S	16:51	243
2025	Jan	29	(Wed)	06:30	115	12:10	50S	17:53	247
2025	Jan	30	(Thu)	07:17	110	13:04	55S	18:54	253
2025	Jan	31	(Fri)	08:01	104	13:55	61S	19:54	259
2025	Feb	01	(Sat)	08:42	97	14:45	68S	20:52	267
2025	Feb	02	(Sun)	09:21	90	15:33	75S	21:50	274
2025	Feb	03	(Mon)	10:00	82	16:22	82S	22:48	281
2025	Feb	04	(Tue)	10:41	75	17:12	89S	23:47	288
2025	Feb	05	(Wed)	11:25	69	18:05	87N		
2025	Feb	06	(Thu)	12:14	64	19:01	83N	00:49	294
2025	Feb	07	(Fri)	13:07	61	20:01	80N	01:52	298
2025	Feb	08	(Sat)	14:05	60	21:01	79N	02:55	300
2025	Feb	09	(Sun)	15:06	61	22:00	81N	03:56	300
2025	Feb	10	(Mon)	16:07	63	22:55	83N	04:51	298
2025	Feb	11	(Tue)	17:05	67	23:47	88N	05:41	295
2025	Feb	12	(Wed)	18:00	72			06:24	290
2025	Feb	13	(Thu)	18:52	78	00:34	89S	07:03	285
2025	Feb	14	(Fri)	19:42	84	01:17	83S	07:38	279
2025	Feb	15	(Sat)	20:30	91	01:58	77S	08:11	272
2025	Feb	16	(Sun)	21:17	97	02:38	71S	08:43	266
2025	Feb	17	(Mon)	22:04	103	03:18	65S	09:15	260
2025	Feb	18	(Tue)	22:53	108	03:58	59S	09:49	255
2025	Feb	19	(Wed)	23:44	113	04:40	54S	10:24	250
2025	Feb	20	(Thu)			05:25	50S	11:04	245
2025	Feb	21	(Fri)	00:37	117	06:14	47S	11:48	242
2025	Feb	22	(Sat)	01:32	119	07:06	45S	12:38	240
2025	Feb	23	(Sun)	02:28	120	08:01	44S	13:33	240
2025	Feb	24	(Mon)	03:24	120	08:57	45S	14:32	241
2025	Feb	25	(Tue)	04:17	117	09:54	48S	15:34	245
2025	Feb	26	(Wed)	05:06	113	10:49	52S	16:36	250
2025	Feb	27	(Thu)	05:52	107	11:42	58S	17:37	256
2025	Feb	28	(Fri)	06:34	100	12:34	65S	18:37	263
2025	Mar	01	(Sat)	07:15	93	13:24	72S	19:37	271
2025	Mar	02	(Sun)	07:56	85	14:14	80S	20:37	279
2025	Mar	03	(Mon)	08:37	78	15:05	87S	21:38	286
2025	Mar	04	(Tue)	09:22	71	15:59	89N	22:41	292
2025	Mar	05	(Wed)	10:10	66	16:56	84N	23:45	297
2025	Mar	06	(Thu)	11:03	62	17:55	80N		
2025	Mar	07	(Fri)	12:00	60	18:55	79N	00:49	299
2025	Mar	08	(Sat)	13:00	60	19:55	80N	01:51	300
2025	Mar	09	(Sun)	14:00	62	20:51	82N	02:47	299
2025	Mar	10	(Mon)	14:59	66	21:43	86N	03:38	296
2025	Mar	11	(Tue)	15:54	70	22:30	91S	04:23	292
2025	Mar	12	(Wed)	16:46	76	23:14	85S	05:02	287
2025	Mar	13	(Thu)	17:36	82	23:56	79S	05:38	281
2025	Mar	14	(Fri)	18:24	88			06:11	275
2025	Mar	15	(Sat)	19:11	95	00:36	73S	06:43	269
2025	Mar	16	(Sun)	19:58	101	01:15	67S	07:15	262
2025	Mar	17	(Mon)	20:47	106	01:55	61S	07:48	257
2025	Mar	18	(Tue)	21:37	111	02:36	56S	08:23	251
2025	Mar	19	(Wed)	22:29	115	03:20	52S	09:01	247
2025	Mar	20	(Thu)	23:23	118	04:07	48S	09:43	243
2025	Mar	21	(Fri)			04:57	45S	10:30	241
2025	Mar	22	(Sat)	00:17	120	05:50	44S	11:22	240
2025	Mar	23	(Sun)	01:12	120	06:45	44S	12:18	240
2025	Mar	24	(Mon)	02:05	118	07:40	46S	13:17	243
2025	Mar	25	(Tue)	02:55	115	08:34	50S	14:17	247
2025	Mar	26	(Wed)	03:41	110	09:27	55S	15:17	253
2025	Mar	27	(Thu)	04:24	104	10:19	61S	16:17	259
2025	Mar	28	(Fri)	05:06	97	11:09	68S	17:17	267
2025	Mar	29	(Sat)	05:46	89	12:00	76S	18:18	275
2025	Mar	30	(Sun)	06:28	81	12:51	83S	19:20	282
2025	Mar	31	(Mon)	07:12	74	13:46	90S	20:24	289
2025	Apr	01	(Tue)	08:01	68	14:43	86N	21:31	295
2025	Apr	02	(Wed)	08:54	63	15:44	82N	22:38	299
2025	Apr	03	(Thu)	09:51	60	16:46	79N	23:42	300
2025	Apr	04	(Fri)	10:52	60	17:48	79N		
2025	Apr	05	(Sat)	11:54	61	18:46	81N	00:42	300
2025	Apr	06	(Sun)	12:54	65	19:40	85N	01:36	297
2025	Apr	07	(Mon)	13:50	69	20:29	89N	02:22	293

2025 Apr 08 (Tue)	14:43 74	21:13 87S	03:03 288
2025 Apr 09 (Wed)	15:33 80	21:55 81S	03:40 283
2025 Apr 10 (Thu)	16:21 86	22:35 75S	04:13 277
2025 Apr 11 (Fri)	17:08 92	23:14 69S	04:45 271
2025 Apr 12 (Sat)	17:55 99	23:54 63S	05:17 264
2025 Apr 13 (Sun)	18:43 104		05:49 259
2025 Apr 14 (Mon)	19:32 110	00:35 58S	06:23 253
2025 Apr 15 (Tue)	20:23 114	01:17 53S	07:00 248
2025 Apr 16 (Wed)	21:16 117	02:03 49S	07:41 244
2025 Apr 17 (Thu)	22:11 120	02:52 46S	08:26 241
2025 Apr 18 (Fri)	23:05 120	03:44 44S	09:16 240
2025 Apr 19 (Sat)	23:58 119	04:37 44S	10:10 240
2025 Apr 20 (Sun)		05:31 45S	11:06 242
2025 Apr 21 (Mon)	00:47 117	06:25 48S	12:05 245
2025 Apr 22 (Tue)	01:33 112	07:16 53S	13:03 250
2025 Apr 23 (Wed)	02:16 107	08:07 58S	14:01 256
2025 Apr 24 (Thu)	02:57 100	08:56 65S	14:59 263
2025 Apr 25 (Fri)	03:37 93	09:45 72S	15:57 271
2025 Apr 26 (Sat)	04:17 85	10:35 79S	16:58 278
2025 Apr 27 (Sun)	05:00 78	11:28 87S	18:01 286
2025 Apr 28 (Mon)	05:47 71	12:25 88N	19:08 292
2025 Apr 29 (Tue)	06:38 65	13:26 83N	20:17 297
2025 Apr 30 (Wed)	07:36 62	14:29 80N	21:25 300
2025 May 01 (Thu)	08:38 60	15:34 79N	22:30 300
2025 May 02 (Fri)	09:42 61	16:36 81N	23:28 298
2025 May 03 (Sat)	10:44 63	17:33 84N	
2025 May 04 (Sun)	11:43 67	18:25 88N	00:18 295
2025 May 05 (Mon)	12:39 73	19:11 89S	01:02 290
2025 May 06 (Tue)	13:30 78	19:54 83S	01:40 284
2025 May 07 (Wed)	14:18 84	20:35 77S	02:15 279
2025 May 08 (Thu)	15:05 91	21:14 71S	02:47 272
2025 May 09 (Fri)	15:52 97	21:53 65S	03:19 266
2025 May 10 (Sat)	16:39 103	22:34 60S	03:51 260
2025 May 11 (Sun)	17:28 108	23:16 55S	04:24 255
2025 May 12 (Mon)	18:19 113		05:00 250
2025 May 13 (Tue)	19:12 116	00:01 50S	05:40 246
2025 May 14 (Wed)	20:06 119	00:49 47S	06:24 242
2025 May 15 (Thu)	21:00 120	01:40 45S	07:12 240
2025 May 16 (Fri)	21:53 119	02:33 44S	08:05 240
2025 May 17 (Sat)	22:44 117	03:27 45S	09:01 241
2025 May 18 (Sun)	23:30 114	04:20 47S	09:58 244
2025 May 19 (Mon)		05:11 51S	10:55 248
2025 May 20 (Tue)	00:13 109	06:01 56S	11:52 254
2025 May 21 (Wed)	00:53 103	06:48 62S	12:48 260
2025 May 22 (Thu)	01:32 96	07:36 69S	13:44 267
2025 May 23 (Fri)	02:10 89	08:23 76S	14:41 275
2025 May 24 (Sat)	02:51 81	09:13 83S	15:41 282
2025 May 25 (Sun)	03:34 74	10:07 90S	16:45 289
2025 May 26 (Mon)	04:22 68	11:05 86N	17:52 295
2025 May 27 (Tue)	05:17 63	12:08 82N	19:02 298
2025 May 28 (Wed)	06:17 61	13:13 80N	20:10 300
2025 May 29 (Thu)	07:22 60	14:18 80N	21:13 299
2025 May 30 (Fri)	08:28 62	15:20 82N	22:08 296
2025 May 31 (Sat)	09:31 66	16:15 86N	22:56 292
2025 Jun 01 (Sun)	10:29 71	17:05 90S	23:37 286
2025 Jun 02 (Mon)	11:23 76	17:51 85S	
2025 Jun 03 (Tue)	12:13 82	18:33 79S	00:14 281
2025 Jun 04 (Wed)	13:02 89	19:13 73S	00:48 274
2025 Jun 05 (Thu)	13:48 95	19:52 67S	01:20 268
2025 Jun 06 (Fri)	14:36 101	20:32 61S	01:52 262
2025 Jun 07 (Sat)	15:24 106	21:13 56S	02:25 257
2025 Jun 08 (Sun)	16:14 111	21:57 52S	03:00 251
2025 Jun 09 (Mon)	17:06 115	22:45 48S	03:38 247
2025 Jun 10 (Tue)	18:00 118	23:35 45S	04:21 243
2025 Jun 11 (Wed)	18:55 120		05:08 241
2025 Jun 12 (Thu)	19:49 120	00:28 44S	06:00 240
2025 Jun 13 (Fri)	20:41 118	01:22 45S	06:56 241
2025 Jun 14 (Sat)	21:28 115	02:16 47S	07:53 243
2025 Jun 15 (Sun)	22:12 110	03:08 50S	08:51 247
2025 Jun 16 (Mon)	22:53 105	03:58 55S	09:47 252
2025 Jun 17 (Tue)	23:31 98	04:46 60S	10:43 259
2025 Jun 18 (Wed)		05:32 67S	11:37 265

2025 Jun 19 (Thu)	00:09 91	06:18 74S	12:32 272
2025 Jun 20 (Fri)	00:47 84	07:06 81S	13:29 280
2025 Jun 21 (Sat)	01:27 77	07:56 87S	14:29 286
2025 Jun 22 (Sun)	02:12 71	08:50 88N	15:33 292
2025 Jun 23 (Mon)	03:02 65	09:49 83N	16:40 297
2025 Jun 24 (Tue)	03:59 62	10:53 80N	17:48 299
2025 Jun 25 (Wed)	05:02 60	11:58 80N	18:54 300
2025 Jun 26 (Thu)	06:07 61	13:02 81N	19:53 298
2025 Jun 27 (Fri)	07:12 64	14:01 84N	20:46 294
2025 Jun 28 (Sat)	08:14 68	14:55 89N	21:31 289
2025 Jun 29 (Sun)	09:11 74	15:43 87S	22:10 283
2025 Jun 30 (Mon)	10:05 80	16:27 81S	22:46 277
2025 Jul 01 (Tue)	10:54 86	17:09 75S	23:19 270
2025 Jul 02 (Wed)	11:42 93	17:49 69S	23:51 264
2025 Jul 03 (Thu)	12:30 99	18:29 63S	
2025 Jul 04 (Fri)	13:18 104	19:10 58S	00:24 258
2025 Jul 05 (Sat)	14:07 110	19:53 53S	00:58 253
2025 Jul 06 (Sun)	14:59 114	20:39 49S	01:35 248
2025 Jul 07 (Mon)	15:52 117	21:28 46S	02:16 244
2025 Jul 08 (Tue)	16:47 119	22:20 44S	03:02 242
2025 Jul 09 (Wed)	17:42 120	23:15 44S	03:53 240
2025 Jul 10 (Thu)	18:35 119		04:48 240
2025 Jul 11 (Fri)	19:25 116	00:10 46S	05:46 242
2025 Jul 12 (Sat)	20:11 112	01:03 49S	06:44 246
2025 Jul 13 (Sun)	20:53 106	01:55 53S	07:42 251
2025 Jul 14 (Mon)	21:32 100	02:44 59S	08:38 257
2025 Jul 15 (Tue)	22:10 93	03:31 65S	09:33 263
2025 Jul 16 (Wed)	22:47 86	04:17 72S	10:28 271
2025 Jul 17 (Thu)	23:26 79	05:03 79S	11:24 278
2025 Jul 18 (Fri)		05:52 85S	12:22 285
2025 Jul 19 (Sat)	00:08 72	06:43 90N	13:23 291
2025 Jul 20 (Sun)	00:55 67	07:39 85N	14:27 296
2025 Jul 21 (Mon)	01:48 63	08:39 81N	15:33 299
2025 Jul 22 (Tue)	02:47 60	09:42 80N	16:38 300
2025 Jul 23 (Wed)	03:50 60	10:45 80N	17:39 299
2025 Jul 24 (Thu)	04:55 62	11:46 82N	18:34 296
2025 Jul 25 (Fri)	05:58 66	12:42 87N	19:22 291
2025 Jul 26 (Sat)	06:57 71	13:33 90S	20:04 286
2025 Jul 27 (Sun)	07:53 77	14:19 84S	20:42 279
2025 Jul 28 (Mon)	08:45 84	15:03 78S	21:16 273
2025 Jul 29 (Tue)	09:34 90	15:44 71S	21:49 267
2025 Jul 30 (Wed)	10:22 96	16:24 65S	22:22 261
2025 Jul 31 (Thu)	11:10 102	17:05 60S	22:56 255
2025 Aug 01 (Fri)	11:59 108	17:47 55S	23:32 250
2025 Aug 02 (Sat)	12:50 113	18:32 50S	
2025 Aug 03 (Sun)	13:43 116	19:20 47S	00:11 246
2025 Aug 04 (Mon)	14:37 119	20:11 45S	00:55 242
2025 Aug 05 (Tue)	15:32 120	21:04 44S	01:43 240
2025 Aug 06 (Wed)	16:26 120	21:59 45S	02:37 240
2025 Aug 07 (Thu)	17:17 117	22:54 47S	03:34 241
2025 Aug 08 (Fri)	18:05 114	23:47 51S	04:32 244
2025 Aug 09 (Sat)	18:49 108		05:31 249
2025 Aug 10 (Sun)	19:30 102	00:37 57S	06:29 254
2025 Aug 11 (Mon)	20:09 95	01:26 63S	07:26 261
2025 Aug 12 (Tue)	20:47 88	02:14 70S	08:23 268
2025 Aug 13 (Wed)	21:26 81	03:01 77S	09:19 276
2025 Aug 14 (Thu)	22:07 74	03:49 84S	10:17 283
2025 Aug 15 (Fri)	22:53 68	04:40 90S	11:17 289
2025 Aug 16 (Sat)	23:43 64	05:34 86N	12:20 294
2025 Aug 17 (Sun)		06:32 82N	13:24 298
2025 Aug 18 (Mon)	00:39 61	07:33 80N	14:29 300
2025 Aug 19 (Tue)	01:40 60	08:35 79N	15:30 300
2025 Aug 20 (Wed)	02:43 61	09:36 81N	16:26 297
2025 Aug 21 (Thu)	03:45 64	10:32 85N	17:16 293
2025 Aug 22 (Fri)	04:45 69	11:24 89N	17:59 288
2025 Aug 23 (Sat)	05:42 75	12:12 86S	18:38 282
2025 Aug 24 (Sun)	06:35 81	12:56 80S	19:14 276
2025 Aug 25 (Mon)	07:25 87	13:38 74S	19:47 269
2025 Aug 26 (Tue)	08:14 94	14:19 68S	20:20 263
2025 Aug 27 (Wed)	09:03 100	15:00 62S	20:54 257
2025 Aug 28 (Thu)	09:51 106	15:42 57S	21:29 252
2025 Aug 29 (Fri)	10:42 111	16:25 52S	22:07 247

2025 Aug 30 (Sat)	11:33 115	17:12 48S	22:48 243
2025 Aug 31 (Sun)	12:27 118	18:01 45S	23:34 241
2025 Sep 01 (Mon)	13:21 120	18:53 44S	
2025 Sep 02 (Tue)	14:15 120	19:47 44S	00:25 240
2025 Sep 03 (Wed)	15:07 119	20:41 46S	01:20 240
2025 Sep 04 (Thu)	15:56 116	21:35 49S	02:18 243
2025 Sep 05 (Fri)	16:41 111	22:26 54S	03:16 246
2025 Sep 06 (Sat)	17:24 105	23:16 60S	04:15 252
2025 Sep 07 (Sun)	18:04 98		05:13 258
2025 Sep 08 (Mon)	18:43 91	00:05 67S	06:10 265
2025 Sep 09 (Tue)	19:23 84	00:53 74S	07:08 273
2025 Sep 10 (Wed)	20:04 76	01:43 81S	08:07 280
2025 Sep 11 (Thu)	20:49 70	02:34 88S	09:08 287
2025 Sep 12 (Fri)	21:39 65	03:28 88N	10:12 293
2025 Sep 13 (Sat)	22:34 61	04:26 83N	11:17 297
2025 Sep 14 (Sun)	23:34 60	05:27 80N	12:23 300
2025 Sep 15 (Mon)		06:29 79N	13:25 300
2025 Sep 16 (Tue)	00:36 61	07:30 80N	14:22 298
2025 Sep 17 (Wed)	01:38 63	08:27 83N	15:13 295
2025 Sep 18 (Thu)	02:38 67	09:20 88N	15:57 290
2025 Sep 19 (Fri)	03:35 73	10:08 88S	16:37 284
2025 Sep 20 (Sat)	04:28 79	10:53 83S	17:13 278
2025 Sep 21 (Sun)	05:19 85	11:35 76S	17:47 272
2025 Sep 22 (Mon)	06:08 91	12:16 70S	18:20 265
2025 Sep 23 (Tue)	06:56 98	12:56 64S	18:53 259
2025 Sep 24 (Wed)	07:45 104	13:38 59S	19:27 254
2025 Sep 25 (Thu)	08:34 109	14:21 54S	20:04 249
2025 Sep 26 (Fri)	09:25 114	15:06 49S	20:44 245
2025 Sep 27 (Sat)	10:18 117	15:54 46S	21:28 242
2025 Sep 28 (Sun)	11:11 119	16:44 45S	22:16 240
2025 Sep 29 (Mon)	12:05 120	17:37 44S	23:09 240
2025 Sep 30 (Tue)	12:57 119	18:30 45S	
2025 Oct 01 (Wed)	13:46 117	19:22 48S	00:04 241
2025 Oct 02 (Thu)	14:32 113	20:14 52S	01:01 244
2025 Oct 03 (Fri)	15:15 108	21:04 57S	01:59 249
2025 Oct 04 (Sat)	15:56 102	21:52 63S	02:56 255
2025 Oct 05 (Sun)	16:35 95	22:41 70S	03:53 261
2025 Oct 06 (Mon)	17:15 87	23:30 77S	04:51 269
2025 Oct 07 (Tue)	17:56 80		05:50 277
2025 Oct 08 (Wed)	18:41 73	00:21 85S	06:52 284
2025 Oct 09 (Thu)	19:30 67	01:16 90N	07:56 291
2025 Oct 10 (Fri)	20:25 63	02:15 85N	09:04 296
2025 Oct 11 (Sat)	21:25 60	03:17 81N	10:12 299
2025 Oct 12 (Sun)	22:28 60	04:21 79N	11:17 300
2025 Oct 13 (Mon)	23:32 62	05:24 80N	12:17 299
2025 Oct 14 (Tue)		06:23 82N	13:10 296
2025 Oct 15 (Wed)	00:33 66	07:17 86N	13:57 291
2025 Oct 16 (Thu)	01:30 71	08:06 90S	14:38 286
2025 Oct 17 (Fri)	02:24 77	08:51 84S	15:14 280
2025 Oct 18 (Sat)	03:15 83	09:34 78S	15:48 274
2025 Oct 19 (Sun)	04:04 89	10:14 72S	16:21 268
2025 Oct 20 (Mon)	04:52 96	10:54 66S	16:54 261
2025 Oct 21 (Tue)	05:40 102	11:35 61S	17:27 256
2025 Oct 22 (Wed)	06:29 107	12:18 55S	18:03 251
2025 Oct 23 (Thu)	07:19 112	13:02 51S	18:42 246
2025 Oct 24 (Fri)	08:12 116	13:49 47S	19:25 243
2025 Oct 25 (Sat)	09:05 119	14:39 45S	20:11 241
2025 Oct 26 (Sun)	09:58 120	15:30 44S	21:02 240
2025 Oct 27 (Mon)	10:50 120	16:22 45S	21:56 241
2025 Oct 28 (Tue)	11:39 118	17:14 47S	22:51 243
2025 Oct 29 (Wed)	12:25 115	18:04 50S	23:47 247
2025 Oct 30 (Thu)	13:08 110	18:53 55S	
2025 Oct 31 (Fri)	13:48 105	19:41 60S	00:42 252
2025 Nov 01 (Sat)	14:27 98	20:28 67S	01:37 258
2025 Nov 02 (Sun)	15:06 91	21:16 74S	02:33 265
2025 Nov 03 (Mon)	15:45 84	22:05 81S	03:30 273
2025 Nov 04 (Tue)	16:28 77	22:58 88S	04:30 280
2025 Nov 05 (Wed)	17:16 70	23:56 87N	05:33 287
2025 Nov 06 (Thu)	18:09 65		06:40 293
2025 Nov 07 (Fri)	19:09 61	00:58 83N	07:50 298
2025 Nov 08 (Sat)	20:13 60	02:04 80N	09:00 300
2025 Nov 09 (Sun)	21:20 61	03:10 80N	10:05 299

2025 Nov 10 (Mon)	22:24 65	04:13 81N	11:03 297
2025 Nov 11 (Tue)	23:24 69	05:11 85N	11:53 293
2025 Nov 12 (Wed)		06:03 90N	12:37 288
2025 Nov 13 (Thu)	00:20 75	06:50 86S	13:15 282
2025 Nov 14 (Fri)	01:12 81	07:33 80S	13:50 276
2025 Nov 15 (Sat)	02:01 87	08:14 74S	14:23 269
2025 Nov 16 (Sun)	02:49 94	08:54 68S	14:56 263
2025 Nov 17 (Mon)	03:37 100	09:34 62S	15:29 257
2025 Nov 18 (Tue)	04:25 105	10:16 57S	16:04 252
2025 Nov 19 (Wed)	05:15 110	11:00 52S	16:41 248
2025 Nov 20 (Thu)	06:07 115	11:46 49S	17:23 244
2025 Nov 21 (Fri)	07:00 118	12:35 46S	18:09 241
2025 Nov 22 (Sat)	07:53 119	13:26 45S	18:58 240
2025 Nov 23 (Sun)	08:45 120	14:18 45S	19:51 241
2025 Nov 24 (Mon)	09:35 119	15:10 46S	20:45 243
2025 Nov 25 (Tue)	10:22 116	16:00 49S	21:40 246
2025 Nov 26 (Wed)	11:05 112	16:48 53S	22:35 250
2025 Nov 27 (Thu)	11:45 107	17:35 58S	23:28 256
2025 Nov 28 (Fri)	12:23 101	18:20 64S	
2025 Nov 29 (Sat)	13:00 94	19:06 71S	00:22 262
2025 Nov 30 (Sun)	13:38 87	19:52 78S	01:16 269
2025 Dec 01 (Mon)	14:17 80	20:42 84S	02:12 277
2025 Dec 02 (Tue)	15:01 73	21:36 90N	03:11 284
2025 Dec 03 (Wed)	15:50 67	22:35 85N	04:15 290
2025 Dec 04 (Thu)	16:47 63	23:39 81N	05:23 295
2025 Dec 05 (Fri)	17:50 61		06:34 299
2025 Dec 06 (Sat)	18:58 61	00:46 80N	07:43 300
2025 Dec 07 (Sun)	20:06 63	01:53 80N	08:47 298
2025 Dec 08 (Mon)	21:10 67	02:56 83N	09:43 295
2025 Dec 09 (Tue)	22:10 73	03:53 88N	10:31 290
2025 Dec 10 (Wed)	23:05 79	04:43 88S	11:12 284
2025 Dec 11 (Thu)	23:56 85	05:29 82S	11:49 278
2025 Dec 12 (Fri)		06:12 76S	12:24 271
2025 Dec 13 (Sat)	00:46 92	06:53 70S	12:56 265
2025 Dec 14 (Sun)	01:34 98	07:33 64S	13:30 259
2025 Dec 15 (Mon)	02:22 104	08:14 58S	14:04 254
2025 Dec 16 (Tue)	03:11 109	08:57 54S	14:41 249
2025 Dec 17 (Wed)	04:02 113	09:43 50S	15:21 245
2025 Dec 18 (Thu)	04:54 117	10:31 47S	16:05 242
2025 Dec 19 (Fri)	05:48 119	11:21 45S	16:54 240
2025 Dec 20 (Sat)	06:41 120	12:13 44S	17:46 240
2025 Dec 21 (Sun)	07:32 119	13:06 46S	18:41 242
2025 Dec 22 (Mon)	08:20 117	13:57 48S	19:36 245
2025 Dec 23 (Tue)	09:04 113	14:46 52S	20:31 249
2025 Dec 24 (Wed)	09:45 108	15:33 57S	21:24 254
2025 Dec 25 (Thu)	10:23 102	16:18 62S	22:17 261
2025 Dec 26 (Fri)	10:59 96	17:02 69S	23:09 267
2025 Dec 27 (Sat)	11:36 89	17:47 75S	
2025 Dec 28 (Sun)	12:13 83	18:33 82S	00:03 274
2025 Dec 29 (Mon)	12:53 76	19:23 88S	00:59 281
2025 Dec 30 (Tue)	13:38 70	20:17 87N	01:58 288
2025 Dec 31 (Wed)	14:29 65	21:17 83N	03:02 293