

Sun

Narathiwat

Location: E101°49'11.9", N 6°25'26.4", 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)	05:34	06:23	113	12:16 61S	18:09 247		18:57
2024	Jan	02 (Tue)	05:35	06:24	113	12:16 61S	18:09 247		18:58
2024	Jan	03 (Wed)	05:35	06:24	113	12:17 61S	18:10 247		18:58
2024	Jan	04 (Thu)	05:36	06:24	113	12:17 62S	18:10 247		18:59
2024	Jan	05 (Fri)	05:36	06:25	113	12:18 62S	18:11 247		18:59
2024	Jan	06 (Sat)	05:37	06:25	113	12:18 62S	18:11 247		19:00
2024	Jan	07 (Sun)	05:37	06:26	113	12:19 62S	18:12 248		19:00
2024	Jan	08 (Mon)	05:38	06:26	112	12:19 62S	18:12 248		19:01
2024	Jan	09 (Tue)	05:38	06:26	112	12:20 62S	18:13 248		19:01
2024	Jan	10 (Wed)	05:38	06:27	112	12:20 62S	18:13 248		19:02
2024	Jan	11 (Thu)	05:39	06:27	112	12:20 62S	18:14 248		19:02
2024	Jan	12 (Fri)	05:39	06:27	112	12:21 63S	18:14 248		19:02
2024	Jan	13 (Sat)	05:39	06:28	112	12:21 63S	18:15 248		19:03
2024	Jan	14 (Sun)	05:40	06:28	111	12:21 63S	18:15 249		19:03
2024	Jan	15 (Mon)	05:40	06:28	111	12:22 63S	18:16 249		19:04
2024	Jan	16 (Tue)	05:40	06:28	111	12:22 63S	18:16 249		19:04
2024	Jan	17 (Wed)	05:41	06:29	111	12:23 63S	18:16 249		19:04
2024	Jan	18 (Thu)	05:41	06:29	111	12:23 64S	18:17 249		19:05
2024	Jan	19 (Fri)	05:41	06:29	111	12:23 64S	18:17 250		19:05
2024	Jan	20 (Sat)	05:42	06:29	110	12:24 64S	18:18 250		19:05
2024	Jan	21 (Sun)	05:42	06:30	110	12:24 64S	18:18 250		19:06
2024	Jan	22 (Mon)	05:42	06:30	110	12:24 64S	18:18 250		19:06
2024	Jan	23 (Tue)	05:42	06:30	110	12:24 65S	18:19 250		19:06
2024	Jan	24 (Wed)	05:43	06:30	109	12:25 65S	18:19 251		19:07
2024	Jan	25 (Thu)	05:43	06:30	109	12:25 65S	18:20 251		19:07
2024	Jan	26 (Fri)	05:43	06:30	109	12:25 65S	18:20 251		19:07
2024	Jan	27 (Sat)	05:43	06:30	109	12:25 66S	18:20 251		19:07
2024	Jan	28 (Sun)	05:43	06:30	108	12:25 66S	18:21 252		19:08
2024	Jan	29 (Mon)	05:43	06:31	108	12:26 66S	18:21 252		19:08
2024	Jan	30 (Tue)	05:44	06:31	108	12:26 66S	18:21 252		19:08
2024	Jan	31 (Wed)	05:44	06:31	108	12:26 67S	18:21 253		19:08
2024	Feb	01 (Thu)	05:44	06:31	107	12:26 67S	18:22 253		19:09
2024	Feb	02 (Fri)	05:44	06:31	107	12:26 67S	18:22 253		19:09
2024	Feb	03 (Sat)	05:44	06:31	107	12:26 68S	18:22 253		19:09
2024	Feb	04 (Sun)	05:44	06:31	106	12:27 68S	18:23 254		19:09
2024	Feb	05 (Mon)	05:44	06:31	106	12:27 68S	18:23 254		19:09
2024	Feb	06 (Tue)	05:44	06:31	106	12:27 69S	18:23 254		19:10
2024	Feb	07 (Wed)	05:44	06:30	106	12:27 69S	18:23 255		19:10
2024	Feb	08 (Thu)	05:44	06:30	105	12:27 69S	18:23 255		19:10
2024	Feb	09 (Fri)	05:44	06:30	105	12:27 69S	18:24 255		19:10
2024	Feb	10 (Sat)	05:44	06:30	105	12:27 70S	18:24 256		19:10
2024	Feb	11 (Sun)	05:44	06:30	104	12:27 70S	18:24 256		19:10
2024	Feb	12 (Mon)	05:44	06:30	104	12:27 70S	18:24 256		19:10
2024	Feb	13 (Tue)	05:44	06:30	104	12:27 71S	18:24 257		19:10
2024	Feb	14 (Wed)	05:43	06:30	103	12:27 71S	18:24 257		19:10
2024	Feb	15 (Thu)	05:43	06:29	103	12:27 71S	18:24 257		19:10
2024	Feb	16 (Fri)	05:43	06:29	103	12:27 72S	18:25 258		19:10
2024	Feb	17 (Sat)	05:43	06:29	102	12:27 72S	18:25 258		19:11
2024	Feb	18 (Sun)	05:43	06:29	102	12:27 72S	18:25 258		19:11
2024	Feb	19 (Mon)	05:43	06:28	102	12:27 73S	18:25 259		19:11
2024	Feb	20 (Tue)	05:42	06:28	101	12:26 73S	18:25 259		19:11
2024	Feb	21 (Wed)	05:42	06:28	101	12:26 74S	18:25 259		19:11
2024	Feb	22 (Thu)	05:42	06:28	100	12:26 74S	18:25 260		19:11
2024	Feb	23 (Fri)	05:42	06:27	100	12:26 74S	18:25 260		19:11
2024	Feb	24 (Sat)	05:42	06:27	100	12:26 75S	18:25 260		19:11
2024	Feb	25 (Sun)	05:41	06:27	99	12:26 75S	18:25 261		19:10
2024	Feb	26 (Mon)	05:41	06:26	99	12:26 75S	18:25 261		19:10
2024	Feb	27 (Tue)	05:41	06:26	99	12:26 76S	18:25 262		19:10
2024	Feb	28 (Wed)	05:40	06:26	98	12:25 76S	18:25 262		19:10
2024	Feb	29 (Thu)	05:40	06:25	98	12:25 77S	18:25 262		19:10

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

2024	May	12	(Sun)	05:09	05:57	72	12:09	79N	18:21	289	19:09
2024	May	13	(Mon)	05:09	05:57	71	12:09	79N	18:21	289	19:09
2024	May	14	(Tue)	05:09	05:57	71	12:09	78N	18:21	289	19:09
2024	May	15	(Wed)	05:09	05:57	71	12:09	78N	18:22	289	19:09
2024	May	16	(Thu)	05:09	05:57	71	12:09	78N	18:22	290	19:10
2024	May	17	(Fri)	05:09	05:57	70	12:09	78N	18:22	290	19:10
2024	May	18	(Sat)	05:08	05:56	70	12:09	77N	18:22	290	19:10
2024	May	19	(Sun)	05:08	05:56	70	12:09	77N	18:22	290	19:10
2024	May	20	(Mon)	05:08	05:56	70	12:09	77N	18:22	290	19:11
2024	May	21	(Tue)	05:08	05:56	70	12:09	77N	18:22	291	19:11
2024	May	22	(Wed)	05:08	05:56	69	12:09	77N	18:23	291	19:11
2024	May	23	(Thu)	05:08	05:56	69	12:10	76N	18:23	291	19:11
2024	May	24	(Fri)	05:08	05:56	69	12:10	76N	18:23	291	19:12
2024	May	25	(Sat)	05:08	05:56	69	12:10	76N	18:23	291	19:12
2024	May	26	(Sun)	05:08	05:56	69	12:10	76N	18:23	291	19:12
2024	May	27	(Mon)	05:08	05:56	68	12:10	76N	18:24	292	19:12
2024	May	28	(Tue)	05:08	05:56	68	12:10	76N	18:24	292	19:13
2024	May	29	(Wed)	05:08	05:56	68	12:10	75N	18:24	292	19:13
2024	May	30	(Thu)	05:08	05:56	68	12:10	75N	18:24	292	19:13
2024	May	31	(Fri)	05:08	05:56	68	12:10	75N	18:25	292	19:13
2024	Jun	01	(Sat)	05:08	05:56	68	12:11	75N	18:25	292	19:14
2024	Jun	02	(Sun)	05:08	05:57	68	12:11	75N	18:25	293	19:14
2024	Jun	03	(Mon)	05:08	05:57	67	12:11	75N	18:25	293	19:14
2024	Jun	04	(Tue)	05:08	05:57	67	12:11	75N	18:25	293	19:15
2024	Jun	05	(Wed)	05:08	05:57	67	12:11	75N	18:26	293	19:15
2024	Jun	06	(Thu)	05:08	05:57	67	12:11	74N	18:26	293	19:15
2024	Jun	07	(Fri)	05:08	05:57	67	12:12	74N	18:26	293	19:15
2024	Jun	08	(Sat)	05:08	05:57	67	12:12	74N	18:26	293	19:16
2024	Jun	09	(Sun)	05:08	05:57	67	12:12	74N	18:27	293	19:16
2024	Jun	10	(Mon)	05:08	05:58	67	12:12	74N	18:27	293	19:16
2024	Jun	11	(Tue)	05:08	05:58	67	12:12	74N	18:27	293	19:16
2024	Jun	12	(Wed)	05:09	05:58	67	12:13	74N	18:27	293	19:17
2024	Jun	13	(Thu)	05:09	05:58	67	12:13	74N	18:28	294	19:17
2024	Jun	14	(Fri)	05:09	05:58	66	12:13	74N	18:28	294	19:17
2024	Jun	15	(Sat)	05:09	05:58	66	12:13	74N	18:28	294	19:18
2024	Jun	16	(Sun)	05:09	05:59	66	12:14	74N	18:28	294	19:18
2024	Jun	17	(Mon)	05:09	05:59	66	12:14	74N	18:29	294	19:18
2024	Jun	18	(Tue)	05:10	05:59	66	12:14	74N	18:29	294	19:18
2024	Jun	19	(Wed)	05:10	05:59	66	12:14	74N	18:29	294	19:18
2024	Jun	20	(Thu)	05:10	05:59	66	12:14	74N	18:29	294	19:19
2024	Jun	21	(Fri)	05:10	06:00	66	12:15	74N	18:29	294	19:19
2024	Jun	22	(Sat)	05:10	06:00	66	12:15	74N	18:30	294	19:19
2024	Jun	23	(Sun)	05:11	06:00	66	12:15	74N	18:30	294	19:19
2024	Jun	24	(Mon)	05:11	06:00	66	12:15	74N	18:30	294	19:20
2024	Jun	25	(Tue)	05:11	06:01	66	12:15	74N	18:30	294	19:20
2024	Jun	26	(Wed)	05:11	06:01	66	12:16	74N	18:30	294	19:20
2024	Jun	27	(Thu)	05:12	06:01	66	12:16	74N	18:31	294	19:20
2024	Jun	28	(Fri)	05:12	06:01	66	12:16	74N	18:31	293	19:20
2024	Jun	29	(Sat)	05:12	06:02	67	12:16	74N	18:31	293	19:20
2024	Jun	30	(Sun)	05:12	06:02	67	12:16	74N	18:31	293	19:20
2024	Jul	01	(Mon)	05:13	06:02	67	12:17	74N	18:31	293	19:21
2024	Jul	02	(Tue)	05:13	06:02	67	12:17	74N	18:31	293	19:21
2024	Jul	03	(Wed)	05:13	06:02	67	12:17	74N	18:32	293	19:21
2024	Jul	04	(Thu)	05:13	06:03	67	12:17	74N	18:32	293	19:21
2024	Jul	05	(Fri)	05:14	06:03	67	12:17	74N	18:32	293	19:21
2024	Jul	06	(Sat)	05:14	06:03	67	12:18	74N	18:32	293	19:21
2024	Jul	07	(Sun)	05:14	06:03	67	12:18	75N	18:32	293	19:21
2024	Jul	08	(Mon)	05:14	06:04	67	12:18	75N	18:32	293	19:21
2024	Jul	09	(Tue)	05:15	06:04	67	12:18	75N	18:32	293	19:21
2024	Jul	10	(Wed)	05:15	06:04	68	12:18	75N	18:32	292	19:21
2024	Jul	11	(Thu)	05:15	06:04	68	12:18	75N	18:32	292	19:21
2024	Jul	12	(Fri)	05:16	06:04	68	12:18	75N	18:32	292	19:21
2024	Jul	13	(Sat)	05:16	06:05	68	12:19	75N	18:32	292	19:21
2024	Jul	14	(Sun)	05:16	06:05	68	12:19	76N	18:32	292	19:21
2024	Jul	15	(Mon)	05:16	06:05	68	12:19	76N	18:32	292	19:21
2024	Jul	16	(Tue)	05:17	06:05	68	12:19	76N	18:32	291	19:21
2024	Jul	17	(Wed)	05:17	06:05	69	12:19	76N	18:32	291	19:21
2024	Jul	18	(Thu)	05:17	06:06	69	12:19	76N	18:32	291	19:21
2024	Jul	19	(Fri)	05:17	06:06	69	12:19	76N	18:32	291	19:21
2024	Jul	20	(Sat)	05:17	06:06	69	12:19	77N	18:32	291	19:21
2024	Jul	21	(Sun)	05:18	06:06	69	12:19	77N	18:32	291	19:21
2024	Jul	22	(Mon)	05:18	06:06	70	12:19	77N	18:32	290	19:20

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

2024	Oct	03	(Thu)	05:15	06:00	94	12:02	80S	18:03	266	18:48
2024	Oct	04	(Fri)	05:15	06:00	94	12:01	80S	18:03	265	18:48
2024	Oct	05	(Sat)	05:15	06:00	95	12:01	79S	18:02	265	18:47
2024	Oct	06	(Sun)	05:15	06:00	95	12:01	79S	18:02	265	18:47
2024	Oct	07	(Mon)	05:15	06:00	96	12:00	79S	18:01	264	18:46
2024	Oct	08	(Tue)	05:14	06:00	96	12:00	78S	18:01	264	18:46
2024	Oct	09	(Wed)	05:14	06:00	96	12:00	78S	18:00	264	18:45
2024	Oct	10	(Thu)	05:14	05:59	97	12:00	77S	18:00	263	18:45
2024	Oct	11	(Fri)	05:14	05:59	97	11:59	77S	17:59	263	18:45
2024	Oct	12	(Sat)	05:14	05:59	97	11:59	77S	17:59	262	18:44
2024	Oct	13	(Sun)	05:14	05:59	98	11:59	76S	17:59	262	18:44
2024	Oct	14	(Mon)	05:14	05:59	98	11:59	76S	17:58	262	18:44
2024	Oct	15	(Tue)	05:14	05:59	99	11:58	76S	17:58	261	18:43
2024	Oct	16	(Wed)	05:14	05:59	99	11:58	75S	17:57	261	18:43
2024	Oct	17	(Thu)	05:13	05:59	99	11:58	75S	17:57	261	18:43
2024	Oct	18	(Fri)	05:13	05:59	100	11:58	74S	17:57	260	18:42
2024	Oct	19	(Sat)	05:13	05:59	100	11:58	74S	17:56	260	18:42
2024	Oct	20	(Sun)	05:13	05:59	100	11:57	74S	17:56	259	18:42
2024	Oct	21	(Mon)	05:13	05:59	101	11:57	73S	17:56	259	18:41
2024	Oct	22	(Tue)	05:13	05:59	101	11:57	73S	17:55	259	18:41
2024	Oct	23	(Wed)	05:13	05:59	101	11:57	73S	17:55	258	18:41
2024	Oct	24	(Thu)	05:13	05:59	102	11:57	72S	17:55	258	18:41
2024	Oct	25	(Fri)	05:13	05:59	102	11:57	72S	17:55	258	18:40
2024	Oct	26	(Sat)	05:13	05:59	103	11:57	72S	17:54	257	18:40
2024	Oct	27	(Sun)	05:13	05:59	103	11:57	71S	17:54	257	18:40
2024	Oct	28	(Mon)	05:13	05:59	103	11:56	71S	17:54	257	18:40
2024	Oct	29	(Tue)	05:13	05:59	104	11:56	71S	17:54	256	18:40
2024	Oct	30	(Wed)	05:13	05:59	104	11:56	70S	17:53	256	18:40
2024	Oct	31	(Thu)	05:13	05:59	104	11:56	70S	17:53	256	18:39
2024	Nov	01	(Fri)	05:13	06:00	104	11:56	70S	17:53	255	18:39
2024	Nov	02	(Sat)	05:13	06:00	105	11:56	69S	17:53	255	18:39
2024	Nov	03	(Sun)	05:13	06:00	105	11:56	69S	17:53	255	18:39
2024	Nov	04	(Mon)	05:13	06:00	105	11:56	69S	17:53	254	18:39
2024	Nov	05	(Tue)	05:14	06:00	106	11:56	68S	17:52	254	18:39
2024	Nov	06	(Wed)	05:14	06:00	106	11:56	68S	17:52	254	18:39
2024	Nov	07	(Thu)	05:14	06:00	106	11:56	68S	17:52	254	18:39
2024	Nov	08	(Fri)	05:14	06:01	107	11:56	68S	17:52	253	18:39
2024	Nov	09	(Sat)	05:14	06:01	107	11:57	67S	17:52	253	18:39
2024	Nov	10	(Sun)	05:14	06:01	107	11:57	67S	17:52	253	18:39
2024	Nov	11	(Mon)	05:14	06:01	107	11:57	67S	17:52	252	18:39
2024	Nov	12	(Tue)	05:15	06:02	108	11:57	66S	17:52	252	18:39
2024	Nov	13	(Wed)	05:15	06:02	108	11:57	66S	17:52	252	18:39
2024	Nov	14	(Thu)	05:15	06:02	108	11:57	66S	17:52	252	18:39
2024	Nov	15	(Fri)	05:15	06:02	109	11:57	66S	17:52	251	18:40
2024	Nov	16	(Sat)	05:15	06:03	109	11:58	65S	17:52	251	18:40
2024	Nov	17	(Sun)	05:16	06:03	109	11:58	65S	17:52	251	18:40
2024	Nov	18	(Mon)	05:16	06:03	109	11:58	65S	17:52	251	18:40
2024	Nov	19	(Tue)	05:16	06:04	110	11:58	65S	17:53	250	18:40
2024	Nov	20	(Wed)	05:16	06:04	110	11:58	64S	17:53	250	18:40
2024	Nov	21	(Thu)	05:17	06:04	110	11:59	64S	17:53	250	18:41
2024	Nov	22	(Fri)	05:17	06:05	110	11:59	64S	17:53	250	18:41
2024	Nov	23	(Sat)	05:17	06:05	110	11:59	64S	17:53	249	18:41
2024	Nov	24	(Sun)	05:18	06:05	111	11:59	64S	17:53	249	18:41
2024	Nov	25	(Mon)	05:18	06:06	111	12:00	63S	17:54	249	18:42
2024	Nov	26	(Tue)	05:18	06:06	111	12:00	63S	17:54	249	18:42
2024	Nov	27	(Wed)	05:19	06:07	111	12:00	63S	17:54	249	18:42
2024	Nov	28	(Thu)	05:19	06:07	111	12:01	63S	17:54	249	18:42
2024	Nov	29	(Fri)	05:19	06:08	112	12:01	63S	17:55	248	18:43
2024	Nov	30	(Sat)	05:20	06:08	112	12:01	63S	17:55	248	18:43
2024	Dec	01	(Sun)	05:20	06:08	112	12:02	62S	17:55	248	18:43
2024	Dec	02	(Mon)	05:21	06:09	112	12:02	62S	17:55	248	18:44
2024	Dec	03	(Tue)	05:21	06:09	112	12:03	62S	17:56	248	18:44
2024	Dec	04	(Wed)	05:21	06:10	112	12:03	62S	17:56	248	18:45
2024	Dec	05	(Thu)	05:22	06:10	112	12:03	62S	17:56	247	18:45
2024	Dec	06	(Fri)	05:22	06:11	113	12:04	62S	17:57	247	18:45
2024	Dec	07	(Sat)	05:23	06:11	113	12:04	62S	17:57	247	18:46
2024	Dec	08	(Sun)	05:23	06:12	113	12:05	62S	17:58	247	18:46
2024	Dec	09	(Mon)	05:24	06:12	113	12:05	61S	17:58	247	18:47
2024	Dec	10	(Tue)	05:24	06:13	113	12:06	61S	17:58	247	18:47
2024	Dec	11	(Wed)	05:25	06:13	113	12:06	61S	17:59	247	18:48
2024	Dec	12	(Thu)	05:25	06:14	113	12:07	61S	17:59	247	18:48
2024	Dec	13	(Fri)	05:26	06:14	113	12:07	61S	18:00	247	18:48

2024	Dec	14	(Sat)	05:26	06:15	113	12:07	61S	18:00	247	18:49
2024	Dec	15	(Sun)	05:26	06:15	113	12:08	61S	18:01	247	18:49
2024	Dec	16	(Mon)	05:27	06:16	113	12:08	61S	18:01	247	18:50
2024	Dec	17	(Tue)	05:27	06:16	113	12:09	61S	18:02	247	18:50
2024	Dec	18	(Wed)	05:28	06:17	113	12:09	61S	18:02	247	18:51
2024	Dec	19	(Thu)	05:28	06:17	113	12:10	61S	18:02	247	18:51
2024	Dec	20	(Fri)	05:29	06:18	113	12:10	61S	18:03	247	18:52
2024	Dec	21	(Sat)	05:29	06:18	113	12:11	61S	18:03	247	18:52
2024	Dec	22	(Sun)	05:30	06:19	113	12:11	61S	18:04	247	18:53
2024	Dec	23	(Mon)	05:30	06:19	113	12:12	61S	18:04	247	18:53
2024	Dec	24	(Tue)	05:31	06:20	113	12:12	61S	18:05	247	18:54
2024	Dec	25	(Wed)	05:31	06:20	113	12:13	61S	18:05	247	18:54
2024	Dec	26	(Thu)	05:32	06:21	113	12:13	61S	18:06	247	18:55
2024	Dec	27	(Fri)	05:32	06:21	113	12:14	61S	18:07	247	18:55
2024	Dec	28	(Sat)	05:33	06:22	113	12:14	61S	18:07	247	18:56
2024	Dec	29	(Sun)	05:33	06:22	113	12:15	61S	18:08	247	18:56
2024	Dec	30	(Mon)	05:34	06:23	113	12:15	61S	18:08	247	18:57
2024	Dec	31	(Tue)	05:34	06:23	113	12:16	61S	18:09	247	18:57

Sun

Narathiwat

Location: E101°49'11.9", N 6°25'26.4", 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)	06:01	06:23	113	12:16	61S	18:09	247	18:31
2024	Jan	02	(Tue)	06:01	06:24	113	12:16	61S	18:09	247	18:32
2024	Jan	03	(Wed)	06:01	06:24	113	12:17	61S	18:10	247	18:32
2024	Jan	04	(Thu)	06:02	06:24	113	12:17	62S	18:10	247	18:33
2024	Jan	05	(Fri)	06:02	06:25	113	12:18	62S	18:11	247	18:33
2024	Jan	06	(Sat)	06:03	06:25	113	12:18	62S	18:11	247	18:34
2024	Jan	07	(Sun)	06:03	06:26	113	12:19	62S	18:12	248	18:34
2024	Jan	08	(Mon)	06:04	06:26	112	12:19	62S	18:12	248	18:35
2024	Jan	09	(Tue)	06:04	06:26	112	12:20	62S	18:13	248	18:35
2024	Jan	10	(Wed)	06:04	06:27	112	12:20	62S	18:13	248	18:36
2024	Jan	11	(Thu)	06:05	06:27	112	12:20	62S	18:14	248	18:36
2024	Jan	12	(Fri)	06:05	06:27	112	12:21	63S	18:14	248	18:37
2024	Jan	13	(Sat)	06:05	06:28	112	12:21	63S	18:15	248	18:37
2024	Jan	14	(Sun)	06:06	06:28	111	12:21	63S	18:15	249	18:37
2024	Jan	15	(Mon)	06:06	06:28	111	12:22	63S	18:16	249	18:38
2024	Jan	16	(Tue)	06:06	06:28	111	12:22	63S	18:16	249	18:38
2024	Jan	17	(Wed)	06:07	06:29	111	12:23	63S	18:16	249	18:39
2024	Jan	18	(Thu)	06:07	06:29	111	12:23	64S	18:17	249	18:39
2024	Jan	19	(Fri)	06:07	06:29	111	12:23	64S	18:17	250	18:39
2024	Jan	20	(Sat)	06:07	06:29	110	12:24	64S	18:18	250	18:40
2024	Jan	21	(Sun)	06:07	06:30	110	12:24	64S	18:18	250	18:40
2024	Jan	22	(Mon)	06:08	06:30	110	12:24	64S	18:18	250	18:41
2024	Jan	23	(Tue)	06:08	06:30	110	12:24	65S	18:19	250	18:41
2024	Jan	24	(Wed)	06:08	06:30	109	12:25	65S	18:19	251	18:41
2024	Jan	25	(Thu)	06:08	06:30	109	12:25	65S	18:20	251	18:42
2024	Jan	26	(Fri)	06:08	06:30	109	12:25	65S	18:20	251	18:42
2024	Jan	27	(Sat)	06:08	06:30	109	12:25	66S	18:20	251	18:42
2024	Jan	28	(Sun)	06:09	06:30	108	12:25	66S	18:21	252	18:42
2024	Jan	29	(Mon)	06:09	06:31	108	12:26	66S	18:21	252	18:43
2024	Jan	30	(Tue)	06:09	06:31	108	12:26	66S	18:21	252	18:43
2024	Jan	31	(Wed)	06:09	06:31	108	12:26	67S	18:21	253	18:43
2024	Feb	01	(Thu)	06:09	06:31	107	12:26	67S	18:22	253	18:43
2024	Feb	02	(Fri)	06:09	06:31	107	12:26	67S	18:22	253	18:44
2024	Feb	03	(Sat)	06:09	06:31	107	12:26	68S	18:22	253	18:44
2024	Feb	04	(Sun)	06:09	06:31	106	12:27	68S	18:23	254	18:44
2024	Feb	05	(Mon)	06:09	06:31	106	12:27	68S	18:23	254	18:44
2024	Feb	06	(Tue)	06:09	06:31	106	12:27	69S	18:23	254	18:45
2024	Feb	07	(Wed)	06:09	06:30	106	12:27	69S	18:23	255	18:45
2024	Feb	08	(Thu)	06:09	06:30	105	12:27	69S	18:23	255	18:45
2024	Feb	09	(Fri)	06:09	06:30	105	12:27	69S	18:24	255	18:45
2024	Feb	10	(Sat)	06:09	06:30	105	12:27	70S	18:24	256	18:45

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

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

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

2024	Sep	14	(Sat)	05:43	06:03	87	12:08	88S	18:13	273	18:34
2024	Sep	15	(Sun)	05:42	06:03	87	12:08	87S	18:12	273	18:33
2024	Sep	16	(Mon)	05:42	06:03	87	12:07	87S	18:12	272	18:33
2024	Sep	17	(Tue)	05:42	06:03	88	12:07	86S	18:11	272	18:32
2024	Sep	18	(Wed)	05:42	06:03	88	12:07	86S	18:11	272	18:32
2024	Sep	19	(Thu)	05:42	06:03	89	12:06	86S	18:10	271	18:31
2024	Sep	20	(Fri)	05:42	06:02	89	12:06	85S	18:10	271	18:30
2024	Sep	21	(Sat)	05:41	06:02	89	12:06	85S	18:09	271	18:30
2024	Sep	22	(Sun)	05:41	06:02	90	12:05	84S	18:09	270	18:29
2024	Sep	23	(Mon)	05:41	06:02	90	12:05	84S	18:08	270	18:29
2024	Sep	24	(Tue)	05:41	06:02	90	12:05	84S	18:08	269	18:28
2024	Sep	25	(Wed)	05:41	06:01	91	12:04	83S	18:07	269	18:28
2024	Sep	26	(Thu)	05:41	06:01	91	12:04	83S	18:07	269	18:27
2024	Sep	27	(Fri)	05:40	06:01	92	12:04	82S	18:06	268	18:27
2024	Sep	28	(Sat)	05:40	06:01	92	12:03	82S	18:06	268	18:26
2024	Sep	29	(Sun)	05:40	06:01	92	12:03	82S	18:05	267	18:26
2024	Sep	30	(Mon)	05:40	06:01	93	12:03	81S	18:05	267	18:25
2024	Oct	01	(Tue)	05:40	06:01	93	12:02	81S	18:04	267	18:25
2024	Oct	02	(Wed)	05:40	06:00	94	12:02	81S	18:04	266	18:24
2024	Oct	03	(Thu)	05:39	06:00	94	12:02	80S	18:03	266	18:24
2024	Oct	04	(Fri)	05:39	06:00	94	12:01	80S	18:03	265	18:23
2024	Oct	05	(Sat)	05:39	06:00	95	12:01	79S	18:02	265	18:23
2024	Oct	06	(Sun)	05:39	06:00	95	12:01	79S	18:02	265	18:22
2024	Oct	07	(Mon)	05:39	06:00	96	12:00	79S	18:01	264	18:22
2024	Oct	08	(Tue)	05:39	06:00	96	12:00	78S	18:01	264	18:22
2024	Oct	09	(Wed)	05:39	06:00	96	12:00	78S	18:00	264	18:21
2024	Oct	10	(Thu)	05:38	05:59	97	12:00	77S	18:00	263	18:21
2024	Oct	11	(Fri)	05:38	05:59	97	11:59	77S	17:59	263	18:20
2024	Oct	12	(Sat)	05:38	05:59	97	11:59	77S	17:59	262	18:20
2024	Oct	13	(Sun)	05:38	05:59	98	11:59	76S	17:59	262	18:20
2024	Oct	14	(Mon)	05:38	05:59	98	11:59	76S	17:58	262	18:19
2024	Oct	15	(Tue)	05:38	05:59	99	11:58	76S	17:58	261	18:19
2024	Oct	16	(Wed)	05:38	05:59	99	11:58	75S	17:57	261	18:18
2024	Oct	17	(Thu)	05:38	05:59	99	11:58	75S	17:57	261	18:18
2024	Oct	18	(Fri)	05:38	05:59	100	11:58	74S	17:57	260	18:18
2024	Oct	19	(Sat)	05:38	05:59	100	11:58	74S	17:56	260	18:17
2024	Oct	20	(Sun)	05:38	05:59	100	11:57	74S	17:56	259	18:17
2024	Oct	21	(Mon)	05:38	05:59	101	11:57	73S	17:56	259	18:17
2024	Oct	22	(Tue)	05:38	05:59	101	11:57	73S	17:55	259	18:17
2024	Oct	23	(Wed)	05:38	05:59	101	11:57	73S	17:55	258	18:16
2024	Oct	24	(Thu)	05:38	05:59	102	11:57	72S	17:55	258	18:16
2024	Oct	25	(Fri)	05:38	05:59	102	11:57	72S	17:55	258	18:16
2024	Oct	26	(Sat)	05:38	05:59	103	11:57	72S	17:54	257	18:16
2024	Oct	27	(Sun)	05:38	05:59	103	11:57	71S	17:54	257	18:15
2024	Oct	28	(Mon)	05:38	05:59	103	11:56	71S	17:54	257	18:15
2024	Oct	29	(Tue)	05:38	05:59	104	11:56	71S	17:54	256	18:15
2024	Oct	30	(Wed)	05:38	05:59	104	11:56	70S	17:53	256	18:15
2024	Oct	31	(Thu)	05:38	05:59	104	11:56	70S	17:53	256	18:15
2024	Nov	01	(Fri)	05:38	06:00	104	11:56	70S	17:53	255	18:14
2024	Nov	02	(Sat)	05:38	06:00	105	11:56	69S	17:53	255	18:14
2024	Nov	03	(Sun)	05:38	06:00	105	11:56	69S	17:53	255	18:14
2024	Nov	04	(Mon)	05:38	06:00	105	11:56	69S	17:53	254	18:14
2024	Nov	05	(Tue)	05:39	06:00	106	11:56	68S	17:52	254	18:14
2024	Nov	06	(Wed)	05:39	06:00	106	11:56	68S	17:52	254	18:14
2024	Nov	07	(Thu)	05:39	06:00	106	11:56	68S	17:52	254	18:14
2024	Nov	08	(Fri)	05:39	06:01	107	11:56	68S	17:52	253	18:14
2024	Nov	09	(Sat)	05:39	06:01	107	11:57	67S	17:52	253	18:14
2024	Nov	10	(Sun)	05:39	06:01	107	11:57	67S	17:52	253	18:14
2024	Nov	11	(Mon)	05:40	06:01	107	11:57	67S	17:52	252	18:14
2024	Nov	12	(Tue)	05:40	06:02	108	11:57	66S	17:52	252	18:14
2024	Nov	13	(Wed)	05:40	06:02	108	11:57	66S	17:52	252	18:14
2024	Nov	14	(Thu)	05:40	06:02	108	11:57	66S	17:52	252	18:14
2024	Nov	15	(Fri)	05:41	06:02	109	11:57	66S	17:52	251	18:14
2024	Nov	16	(Sat)	05:41	06:03	109	11:58	65S	17:52	251	18:14
2024	Nov	17	(Sun)	05:41	06:03	109	11:58	65S	17:52	251	18:14
2024	Nov	18	(Mon)	05:41	06:03	109	11:58	65S	17:52	251	18:14
2024	Nov	19	(Tue)	05:42	06:04	110	11:58	65S	17:53	250	18:15
2024	Nov	20	(Wed)	05:42	06:04	110	11:58	64S	17:53	250	18:15
2024	Nov	21	(Thu)	05:42	06:04	110	11:59	64S	17:53	250	18:15
2024	Nov	22	(Fri)	05:43	06:05	110	11:59	64S	17:53	250	18:15
2024	Nov	23	(Sat)	05:43	06:05	110	11:59	64S	17:53	249	18:15
2024	Nov	24	(Sun)	05:43	06:05	111	11:59	64S	17:53	249	18:16

2024	Nov	25	(Mon)	05:44	06:06	111	12:00	63S	17:54	249	18:16
2024	Nov	26	(Tue)	05:44	06:06	111	12:00	63S	17:54	249	18:16
2024	Nov	27	(Wed)	05:44	06:07	111	12:00	63S	17:54	249	18:16
2024	Nov	28	(Thu)	05:45	06:07	111	12:01	63S	17:54	249	18:17
2024	Nov	29	(Fri)	05:45	06:08	112	12:01	63S	17:55	248	18:17
2024	Nov	30	(Sat)	05:46	06:08	112	12:01	63S	17:55	248	18:17
2024	Dec	01	(Sun)	05:46	06:08	112	12:02	62S	17:55	248	18:18
2024	Dec	02	(Mon)	05:47	06:09	112	12:02	62S	17:55	248	18:18
2024	Dec	03	(Tue)	05:47	06:09	112	12:03	62S	17:56	248	18:18
2024	Dec	04	(Wed)	05:47	06:10	112	12:03	62S	17:56	248	18:19
2024	Dec	05	(Thu)	05:48	06:10	112	12:03	62S	17:56	247	18:19
2024	Dec	06	(Fri)	05:48	06:11	113	12:04	62S	17:57	247	18:19
2024	Dec	07	(Sat)	05:49	06:11	113	12:04	62S	17:57	247	18:20
2024	Dec	08	(Sun)	05:49	06:12	113	12:05	62S	17:58	247	18:20
2024	Dec	09	(Mon)	05:50	06:12	113	12:05	61S	17:58	247	18:21
2024	Dec	10	(Tue)	05:50	06:13	113	12:06	61S	17:58	247	18:21
2024	Dec	11	(Wed)	05:51	06:13	113	12:06	61S	17:59	247	18:21
2024	Dec	12	(Thu)	05:51	06:14	113	12:07	61S	17:59	247	18:22
2024	Dec	13	(Fri)	05:52	06:14	113	12:07	61S	18:00	247	18:22
2024	Dec	14	(Sat)	05:52	06:15	113	12:07	61S	18:00	247	18:23
2024	Dec	15	(Sun)	05:53	06:15	113	12:08	61S	18:01	247	18:23
2024	Dec	16	(Mon)	05:53	06:16	113	12:08	61S	18:01	247	18:24
2024	Dec	17	(Tue)	05:54	06:16	113	12:09	61S	18:02	247	18:24
2024	Dec	18	(Wed)	05:54	06:17	113	12:09	61S	18:02	247	18:25
2024	Dec	19	(Thu)	05:55	06:17	113	12:10	61S	18:02	247	18:25
2024	Dec	20	(Fri)	05:55	06:18	113	12:10	61S	18:03	247	18:26
2024	Dec	21	(Sat)	05:56	06:18	113	12:11	61S	18:03	247	18:26
2024	Dec	22	(Sun)	05:56	06:19	113	12:11	61S	18:04	247	18:27
2024	Dec	23	(Mon)	05:57	06:19	113	12:12	61S	18:04	247	18:27
2024	Dec	24	(Tue)	05:57	06:20	113	12:12	61S	18:05	247	18:28
2024	Dec	25	(Wed)	05:58	06:20	113	12:13	61S	18:05	247	18:28
2024	Dec	26	(Thu)	05:58	06:21	113	12:13	61S	18:06	247	18:29
2024	Dec	27	(Fri)	05:59	06:21	113	12:14	61S	18:07	247	18:29
2024	Dec	28	(Sat)	05:59	06:22	113	12:14	61S	18:07	247	18:30
2024	Dec	29	(Sun)	06:00	06:22	113	12:15	61S	18:08	247	18:30
2024	Dec	30	(Mon)	06:00	06:23	113	12:15	61S	18:08	247	18:31
2024	Dec	31	(Tue)	06:00	06:23	113	12:16	61S	18:09	247	18:31

Moon

Narathiwat

Location: E101°49'11.9", N 6°25'26.4", 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	81		04:04	84N	10:19	282
2024 Jan 02 (Tue)	23:12	86		04:44	89N	10:57	276
2024 Jan 03 (Wed)	23:54	92		05:23	86S	11:33	271
2024 Jan 04 (Thu)				06:02	81S	12:10	265
2024 Jan 05 (Fri)	00:37	98		06:43	75S	12:48	259
2024 Jan 06 (Sat)	01:21	104		07:26	69S	13:29	254
2024 Jan 07 (Sun)	02:10	109		08:12	64S	14:14	249
2024 Jan 08 (Mon)	03:03	113		09:04	60S	15:05	245
2024 Jan 09 (Tue)	04:00	117		10:01	57S	16:01	242
2024 Jan 10 (Wed)	05:02	118		11:03	56S	17:03	242
2024 Jan 11 (Thu)	06:05	118		12:06	56S	18:08	243
2024 Jan 12 (Fri)	07:07	116		13:09	59S	19:12	246
2024 Jan 13 (Sat)	08:05	111		14:09	64S	20:13	251
2024 Jan 14 (Sun)	08:59	106		15:04	70S	21:11	258
2024 Jan 15 (Mon)	09:48	99		15:56	77S	22:05	265
2024 Jan 16 (Tue)	10:34	92		16:44	84S	22:57	272
2024 Jan 17 (Wed)	11:19	85		17:32	90N	23:47	278
2024 Jan 18 (Thu)	12:03	78		18:20	84N		
2024 Jan 19 (Fri)	12:49	73		19:10	78N	00:39	285
2024 Jan 20 (Sat)	13:38	68		20:01	74N	01:31	290
2024 Jan 21 (Sun)	14:29	64		20:55	70N	02:26	294
2024 Jan 22 (Mon)	15:23	62		21:50	69N	03:22	297
2024 Jan 23 (Tue)	16:18	62		22:45	69N	04:18	298

2024	Jan	24	(Wed)	17:12	63	23:39	70N	05:13	298
2024	Jan	25	(Thu)	18:05	65			06:04	296
2024	Jan	26	(Fri)	18:55	69	00:29	73N	06:52	293
2024	Jan	27	(Sat)	19:42	74	01:16	77N	07:36	289
2024	Jan	28	(Sun)	20:26	79	02:00	82N	08:17	284
2024	Jan	29	(Mon)	21:09	84	02:41	87N	08:55	278
2024	Jan	30	(Tue)	21:50	90	03:20	88S	09:31	273
2024	Jan	31	(Wed)	22:32	96	03:59	83S	10:07	267
2024	Feb	01	(Thu)	23:15	102	04:39	77S	10:44	261
2024	Feb	02	(Fri)			05:20	71S	11:23	256
2024	Feb	03	(Sat)	00:01	107	06:03	66S	12:05	251
2024	Feb	04	(Sun)	00:50	112	06:52	61S	12:52	246
2024	Feb	05	(Mon)	01:44	115	07:45	58S	13:45	243
2024	Feb	06	(Tue)	02:42	118	08:43	56S	14:43	242
2024	Feb	07	(Wed)	03:44	119	09:45	56S	15:45	242
2024	Feb	08	(Thu)	04:47	117	10:48	57S	16:50	244
2024	Feb	09	(Fri)	05:47	114	11:50	61S	17:53	249
2024	Feb	10	(Sat)	06:44	109	12:48	67S	18:54	254
2024	Feb	11	(Sun)	07:36	102	13:43	74S	19:51	261
2024	Feb	12	(Mon)	08:25	95	14:35	81S	20:46	269
2024	Feb	13	(Tue)	09:12	88	15:25	88S	21:39	276
2024	Feb	14	(Wed)	09:58	81	16:14	86N	22:32	283
2024	Feb	15	(Thu)	10:45	74	17:05	80N	23:26	289
2024	Feb	16	(Fri)	11:34	69	17:57	75N		
2024	Feb	17	(Sat)	12:25	65	18:51	71N	00:21	293
2024	Feb	18	(Sun)	13:19	62	19:46	69N	01:17	297
2024	Feb	19	(Mon)	14:13	61	20:41	68N	02:14	298
2024	Feb	20	(Tue)	15:08	62	21:35	70N	03:09	298
2024	Feb	21	(Wed)	16:01	64	22:26	72N	04:01	297
2024	Feb	22	(Thu)	16:51	68	23:13	76N	04:49	294
2024	Feb	23	(Fri)	17:39	72	23:58	80N	05:34	290
2024	Feb	24	(Sat)	18:24	77			06:15	286
2024	Feb	25	(Sun)	19:06	83	00:40	85N	06:54	280
2024	Feb	26	(Mon)	19:48	88	01:19	90S	07:31	275
2024	Feb	27	(Tue)	20:30	94	01:58	84S	08:07	269
2024	Feb	28	(Wed)	21:12	100	02:37	79S	08:43	263
2024	Feb	29	(Thu)	21:56	105	03:17	73S	09:21	257
2024	Mar	01	(Fri)	22:44	110	04:00	68S	10:02	252
2024	Mar	02	(Sat)	23:35	114	04:45	63S	10:46	248
2024	Mar	03	(Sun)			05:35	59S	11:35	244
2024	Mar	04	(Mon)	00:30	117	06:30	56S	12:29	242
2024	Mar	05	(Tue)	01:28	119	07:28	55S	13:28	241
2024	Mar	06	(Wed)	02:28	118	08:29	56S	14:30	243
2024	Mar	07	(Thu)	03:28	116	09:30	59S	15:32	246
2024	Mar	08	(Fri)	04:26	112	10:29	64S	16:33	251
2024	Mar	09	(Sat)	05:20	106	11:25	70S	17:32	257
2024	Mar	10	(Sun)	06:10	99	12:19	77S	18:29	265
2024	Mar	11	(Mon)	06:59	91	13:10	85S	19:24	272
2024	Mar	12	(Tue)	07:47	84	14:02	89N	20:18	280
2024	Mar	13	(Wed)	08:35	77	14:54	82N	21:14	286
2024	Mar	14	(Thu)	09:25	71	15:47	77N	22:11	292
2024	Mar	15	(Fri)	10:17	66	16:42	72N	23:08	296
2024	Mar	16	(Sat)	11:11	63	17:39	69N		
2024	Mar	17	(Sun)	12:07	61	18:35	68N	00:06	298
2024	Mar	18	(Mon)	13:03	62	19:30	69N	01:03	299
2024	Mar	19	(Tue)	13:57	63	20:22	71N	01:57	298
2024	Mar	20	(Wed)	14:48	66	21:11	74N	02:47	295
2024	Mar	21	(Thu)	15:36	70	21:56	79N	03:33	292
2024	Mar	22	(Fri)	16:22	75	22:39	84N	04:15	287
2024	Mar	23	(Sat)	17:05	81	23:19	89N	04:54	282
2024	Mar	24	(Sun)	17:47	86	23:58	86S	05:31	277
2024	Mar	25	(Mon)	18:29	92			06:08	271
2024	Mar	26	(Tue)	19:11	98	00:37	80S	06:44	265
2024	Mar	27	(Wed)	19:55	104	01:17	75S	07:21	259
2024	Mar	28	(Thu)	20:41	109	01:58	69S	08:01	254
2024	Mar	29	(Fri)	21:30	113	02:43	64S	08:44	249
2024	Mar	30	(Sat)	22:24	116	03:31	60S	09:31	245
2024	Mar	31	(Sun)	23:20	118	04:23	57S	10:23	242
2024	Apr	01	(Mon)			05:19	55S	11:19	241
2024	Apr	02	(Tue)	00:18	119	06:18	55S	12:18	242
2024	Apr	03	(Wed)	01:16	117	07:17	57S	13:18	244
2024	Apr	04	(Thu)	02:13	114	08:15	61S	14:17	248

2024 Apr 05 (Fri)	03:06 109	09:10 67S	15:15 254
2024 Apr 06 (Sat)	03:57 103	10:03 73S	16:11 261
2024 Apr 07 (Sun)	04:45 95	10:55 81S	17:06 268
2024 Apr 08 (Mon)	05:33 88	11:46 88S	18:01 276
2024 Apr 09 (Tue)	06:21 81	12:37 86N	18:56 283
2024 Apr 10 (Wed)	07:10 74	13:31 79N	19:53 289
2024 Apr 11 (Thu)	08:03 68	14:27 74N	20:53 294
2024 Apr 12 (Fri)	08:58 64	15:25 70N	21:53 297
2024 Apr 13 (Sat)	09:55 62	16:24 68N	22:52 299
2024 Apr 14 (Sun)	10:53 61	17:21 68N	23:49 298
2024 Apr 15 (Mon)	11:49 62	18:16 70N	
2024 Apr 16 (Tue)	12:43 65	19:07 73N	00:42 296
2024 Apr 17 (Wed)	13:32 69	19:54 77N	01:30 293
2024 Apr 18 (Thu)	14:19 74	20:37 82N	02:13 289
2024 Apr 19 (Fri)	15:03 79	21:18 87N	02:53 284
2024 Apr 20 (Sat)	15:45 84	21:57 88S	03:31 278
2024 Apr 21 (Sun)	16:27 90	22:36 83S	04:08 273
2024 Apr 22 (Mon)	17:09 96	23:15 77S	04:44 267
2024 Apr 23 (Tue)	17:52 102	23:57 71S	05:21 261
2024 Apr 24 (Wed)	18:38 107		06:00 256
2024 Apr 25 (Thu)	19:27 112	00:41 66S	06:42 250
2024 Apr 26 (Fri)	20:19 116	01:28 61S	07:28 246
2024 Apr 27 (Sat)	21:15 118	02:19 58S	08:19 243
2024 Apr 28 (Sun)	22:13 119	03:15 56S	09:14 241
2024 Apr 29 (Mon)	23:11 118	04:12 55S	10:12 242
2024 Apr 30 (Tue)		05:11 57S	11:11 243
2024 May 01 (Wed)	00:07 115	06:08 60S	12:09 247
2024 May 02 (Thu)	00:59 111	07:02 65S	13:06 252
2024 May 03 (Fri)	01:49 105	07:54 70S	14:01 258
2024 May 04 (Sat)	02:37 99	08:44 77S	14:54 265
2024 May 05 (Sun)	03:23 91	09:34 85S	15:47 272
2024 May 06 (Mon)	04:09 84	10:24 89N	16:40 279
2024 May 07 (Tue)	04:57 77	11:15 83N	17:36 286
2024 May 08 (Wed)	05:48 71	12:10 77N	18:34 292
2024 May 09 (Thu)	06:42 66	13:07 72N	19:34 296
2024 May 10 (Fri)	07:39 63	14:07 69N	20:36 298
2024 May 11 (Sat)	08:38 61	15:07 68N	21:35 299
2024 May 12 (Sun)	09:37 62	16:04 69N	22:31 297
2024 May 13 (Mon)	10:33 64	16:58 72N	23:22 294
2024 May 14 (Tue)	11:25 67	17:47 75N	
2024 May 15 (Wed)	12:13 72	18:33 80N	00:09 290
2024 May 16 (Thu)	12:59 77	19:15 85N	00:51 286
2024 May 17 (Fri)	13:42 82	19:55 91S	01:29 280
2024 May 18 (Sat)	14:23 88	20:33 85S	02:06 275
2024 May 19 (Sun)	15:05 94	21:13 79S	02:42 269
2024 May 20 (Mon)	15:48 100	21:53 73S	03:19 263
2024 May 21 (Tue)	16:33 105	22:36 68S	03:57 258
2024 May 22 (Wed)	17:21 110	23:23 63S	04:38 252
2024 May 23 (Thu)	18:13 114		05:24 248
2024 May 24 (Fri)	19:08 117	00:13 59S	06:13 244
2024 May 25 (Sat)	20:07 119	01:08 56S	07:08 242
2024 May 26 (Sun)	21:05 118	02:06 55S	08:06 241
2024 May 27 (Mon)	22:02 116	03:05 56S	09:06 243
2024 May 28 (Tue)	22:56 112	04:03 59S	10:05 246
2024 May 29 (Wed)	23:47 107	04:58 63S	11:02 250
2024 May 30 (Thu)		05:51 69S	11:56 256
2024 May 31 (Fri)	00:34 101	06:40 75S	12:48 263
2024 Jun 01 (Sat)	01:19 94	07:28 82S	13:40 270
2024 Jun 02 (Sun)	02:04 87	08:17 89S	14:31 277
2024 Jun 03 (Mon)	02:49 80	09:06 85N	15:24 283
2024 Jun 04 (Tue)	03:37 73	09:58 79N	16:20 289
2024 Jun 05 (Wed)	04:29 68	10:53 74N	17:18 294
2024 Jun 06 (Thu)	05:24 64	11:51 70N	18:19 297
2024 Jun 07 (Fri)	06:22 62	12:51 69N	19:20 299
2024 Jun 08 (Sat)	07:22 62	13:50 69N	20:18 298
2024 Jun 09 (Sun)	08:20 63	14:46 71N	21:12 296
2024 Jun 10 (Mon)	09:14 66	15:38 74N	22:01 292
2024 Jun 11 (Tue)	10:05 70	16:26 78N	22:45 288
2024 Jun 12 (Wed)	10:52 75	17:10 83N	23:26 282
2024 Jun 13 (Thu)	11:36 80	17:51 89N	
2024 Jun 14 (Fri)	12:19 86	18:30 87S	00:03 277
2024 Jun 15 (Sat)	13:00 92	19:09 81S	00:40 271

2024	Jun	16	(Sun)	13:42	98	19:48	75S	01:16	265
2024	Jun	17	(Mon)	14:26	103	20:30	70S	01:53	260
2024	Jun	18	(Tue)	15:13	108	21:15	65S	02:33	254
2024	Jun	19	(Wed)	16:03	113	22:04	60S	03:16	249
2024	Jun	20	(Thu)	16:57	116	22:58	57S	04:04	245
2024	Jun	21	(Fri)	17:56	118	23:55	56S	04:57	243
2024	Jun	22	(Sat)	18:55	118			05:55	241
2024	Jun	23	(Sun)	19:55	117	00:55	56S	06:56	242
2024	Jun	24	(Mon)	20:51	113	01:55	58S	07:57	245
2024	Jun	25	(Tue)	21:43	108	02:53	62S	08:56	249
2024	Jun	26	(Wed)	22:32	102	03:47	67S	09:52	254
2024	Jun	27	(Thu)	23:18	96	04:38	73S	10:45	261
2024	Jun	28	(Fri)			05:27	80S	11:37	268
2024	Jun	29	(Sat)	00:02	89	06:14	87S	12:28	275
2024	Jun	30	(Sun)	00:47	82	07:02	87N	13:19	282
2024	Jul	01	(Mon)	01:33	75	07:52	81N	14:13	288
2024	Jul	02	(Tue)	02:22	70	08:45	75N	15:09	293
2024	Jul	03	(Wed)	03:15	65	09:40	71N	16:07	296
2024	Jul	04	(Thu)	04:11	63	10:39	69N	17:07	298
2024	Jul	05	(Fri)	05:09	61	11:38	68N	18:06	298
2024	Jul	06	(Sat)	06:07	62	12:35	70N	19:02	297
2024	Jul	07	(Sun)	07:04	65	13:29	72N	19:53	294
2024	Jul	08	(Mon)	07:56	68	14:18	76N	20:39	289
2024	Jul	09	(Tue)	08:45	73	15:04	81N	21:21	284
2024	Jul	10	(Wed)	09:31	78	15:46	87N	22:00	279
2024	Jul	11	(Thu)	10:14	84	16:26	89S	22:37	273
2024	Jul	12	(Fri)	10:55	90	17:05	83S	23:13	267
2024	Jul	13	(Sat)	11:37	95	17:44	77S	23:49	262
2024	Jul	14	(Sun)	12:19	101	18:24	72S		
2024	Jul	15	(Mon)	13:04	106	19:07	66S	00:28	256
2024	Jul	16	(Tue)	13:52	111	19:54	62S	01:09	251
2024	Jul	17	(Wed)	14:45	115	20:45	58S	01:54	247
2024	Jul	18	(Thu)	15:41	118	21:41	56S	02:45	244
2024	Jul	19	(Fri)	16:40	119	22:40	55S	03:40	242
2024	Jul	20	(Sat)	17:41	118	23:41	57S	04:40	242
2024	Jul	21	(Sun)	18:39	115			05:42	243
2024	Jul	22	(Mon)	19:35	110	00:41	60S	06:44	247
2024	Jul	23	(Tue)	20:26	105	01:38	65S	07:43	252
2024	Jul	24	(Wed)	21:14	98	02:32	71S	08:38	259
2024	Jul	25	(Thu)	22:00	91	03:22	78S	09:32	266
2024	Jul	26	(Fri)	22:45	84	04:11	85S	10:24	273
2024	Jul	27	(Sat)	23:31	77	05:00	89N	11:16	280
2024	Jul	28	(Sun)			05:49	82N	12:09	286
2024	Jul	29	(Mon)	00:19	71	06:41	77N	13:04	292
2024	Jul	30	(Tue)	01:10	66	07:35	72N	14:01	296
2024	Jul	31	(Wed)	02:05	63	08:32	69N	15:00	298
2024	Aug	01	(Thu)	03:02	61	09:30	68N	15:58	299
2024	Aug	02	(Fri)	03:59	62	10:27	69N	16:54	298
2024	Aug	03	(Sat)	04:55	64	11:21	71N	17:46	295
2024	Aug	04	(Sun)	05:49	67	12:12	75N	18:34	291
2024	Aug	05	(Mon)	06:39	71	12:59	79N	19:17	286
2024	Aug	06	(Tue)	07:26	76	13:42	85N	19:57	281
2024	Aug	07	(Wed)	08:09	82	14:23	90N	20:35	275
2024	Aug	08	(Thu)	08:51	88	15:02	85S	21:11	270
2024	Aug	09	(Fri)	09:33	93	15:41	79S	21:47	264
2024	Aug	10	(Sat)	10:15	99	16:20	74S	22:24	258
2024	Aug	11	(Sun)	10:58	105	17:01	68S	23:04	253
2024	Aug	12	(Mon)	11:44	109	17:46	63S	23:46	248
2024	Aug	13	(Tue)	12:34	114	18:34	59S		
2024	Aug	14	(Wed)	13:27	117	19:27	57S	00:34	245
2024	Aug	15	(Thu)	14:24	119	20:24	55S	01:26	242
2024	Aug	16	(Fri)	15:24	119	21:23	56S	02:23	241
2024	Aug	17	(Sat)	16:23	117	22:24	58S	03:24	242
2024	Aug	18	(Sun)	17:20	113	23:22	62S	04:25	245
2024	Aug	19	(Mon)	18:14	107			05:26	250
2024	Aug	20	(Tue)	19:04	101	00:18	68S	06:24	256
2024	Aug	21	(Wed)	19:52	94	01:12	75S	07:20	263
2024	Aug	22	(Thu)	20:39	86	02:03	82S	08:15	270
2024	Aug	23	(Fri)	21:26	79	02:53	90S	09:08	277
2024	Aug	24	(Sat)	22:15	73	03:44	85N	10:03	284
2024	Aug	25	(Sun)	23:06	68	04:36	78N	10:58	290
2024	Aug	26	(Mon)			05:30	73N	11:56	295

2024 Aug 27 (Tue)	00:00 64	06:27 70N	12:55 298
2024 Aug 28 (Wed)	00:57 62	07:25 68N	13:54 299
2024 Aug 29 (Thu)	01:54 61	08:22 68N	14:50 298
2024 Aug 30 (Fri)	02:51 63	09:17 70N	15:43 296
2024 Aug 31 (Sat)	03:45 65	10:09 73N	16:31 293
2024 Sep 01 (Sun)	04:35 70	10:56 78N	17:16 288
2024 Sep 02 (Mon)	05:22 74	11:40 83N	17:56 283
2024 Sep 03 (Tue)	06:07 80	12:21 88N	18:34 277
2024 Sep 04 (Wed)	06:49 86	13:01 87S	19:11 272
2024 Sep 05 (Thu)	07:31 91	13:39 81S	19:47 266
2024 Sep 06 (Fri)	08:12 97	14:18 75S	20:23 260
2024 Sep 07 (Sat)	08:55 103	14:59 70S	21:01 255
2024 Sep 08 (Sun)	09:39 108	15:41 65S	21:42 250
2024 Sep 09 (Mon)	10:27 112	16:27 61S	22:27 246
2024 Sep 10 (Tue)	11:18 116	17:17 57S	23:16 243
2024 Sep 11 (Wed)	12:12 118	18:11 55S	
2024 Sep 12 (Thu)	13:09 119	19:08 55S	00:10 241
2024 Sep 13 (Fri)	14:07 118	20:07 57S	01:08 241
2024 Sep 14 (Sat)	15:04 115	21:05 60S	02:07 243
2024 Sep 15 (Sun)	15:58 110	22:02 65S	03:07 247
2024 Sep 16 (Mon)	16:50 104	22:56 71S	04:06 252
2024 Sep 17 (Tue)	17:39 97	23:48 78S	05:03 259
2024 Sep 18 (Wed)	18:27 90		05:59 266
2024 Sep 19 (Thu)	19:16 82	00:40 86S	06:54 274
2024 Sep 20 (Fri)	20:05 75	01:31 88N	07:49 281
2024 Sep 21 (Sat)	20:57 69	02:25 81N	08:46 288
2024 Sep 22 (Sun)	21:52 65	03:21 75N	09:46 293
2024 Sep 23 (Mon)	22:50 62	04:19 71N	10:46 297
2024 Sep 24 (Tue)	23:48 61	05:18 69N	11:47 299
2024 Sep 25 (Wed)		06:17 68N	12:45 299
2024 Sep 26 (Thu)	00:46 62	07:13 69N	13:40 297
2024 Sep 27 (Fri)	01:41 64	08:06 72N	14:30 294
2024 Sep 28 (Sat)	02:32 68	08:54 76N	15:15 290
2024 Sep 29 (Sun)	03:20 73	09:39 81N	15:56 285
2024 Sep 30 (Mon)	04:05 78	10:21 86N	16:35 279
2024 Oct 01 (Tue)	04:48 84	11:00 89S	17:11 273
2024 Oct 02 (Wed)	05:30 89	11:39 83S	17:47 268
2024 Oct 03 (Thu)	06:11 95	12:18 77S	18:24 262
2024 Oct 04 (Fri)	06:53 101	12:58 72S	19:01 256
2024 Oct 05 (Sat)	07:37 106	13:40 67S	19:41 251
2024 Oct 06 (Sun)	08:24 111	14:25 62S	20:25 247
2024 Oct 07 (Mon)	09:13 115	15:13 58S	21:12 244
2024 Oct 08 (Tue)	10:06 118	16:05 56S	22:03 242
2024 Oct 09 (Wed)	11:01 119	17:00 55S	22:58 241
2024 Oct 10 (Thu)	11:57 119	17:56 56S	23:56 242
2024 Oct 11 (Fri)	12:52 116	18:53 58S	
2024 Oct 12 (Sat)	13:46 113	19:48 62S	00:54 245
2024 Oct 13 (Sun)	14:37 108	20:41 68S	01:51 250
2024 Oct 14 (Mon)	15:26 101	21:33 75S	02:47 255
2024 Oct 15 (Tue)	16:14 94	22:24 82S	03:41 262
2024 Oct 16 (Wed)	17:01 86	23:15 90S	04:36 270
2024 Oct 17 (Thu)	17:50 79		05:31 277
2024 Oct 18 (Fri)	18:42 72	00:08 84N	06:28 284
2024 Oct 19 (Sat)	19:37 67	01:04 78N	07:27 291
2024 Oct 20 (Sun)	20:35 63	02:02 73N	08:29 295
2024 Oct 21 (Mon)	21:36 61	03:03 69N	09:32 298
2024 Oct 22 (Tue)	22:36 61	04:05 68N	10:34 299
2024 Oct 23 (Wed)	23:34 63	05:04 69N	11:32 298
2024 Oct 24 (Thu)		06:00 71N	12:25 295
2024 Oct 25 (Fri)	00:28 67	06:51 75N	13:12 291
2024 Oct 26 (Sat)	01:17 71	07:37 79N	13:55 286
2024 Oct 27 (Sun)	02:03 76	08:20 85N	14:35 281
2024 Oct 28 (Mon)	02:47 82	09:00 90N	15:12 275
2024 Oct 29 (Tue)	03:28 88	09:39 85S	15:48 270
2024 Oct 30 (Wed)	04:10 93	10:17 79S	16:24 264
2024 Oct 31 (Thu)	04:52 99	10:57 74S	17:01 258
2024 Nov 01 (Fri)	05:35 105	11:38 68S	17:41 253
2024 Nov 02 (Sat)	06:21 110	12:22 63S	18:23 248
2024 Nov 03 (Sun)	07:10 114	13:10 59S	19:09 245
2024 Nov 04 (Mon)	08:02 117	14:01 57S	20:00 242
2024 Nov 05 (Tue)	08:56 118	14:55 55S	20:54 241
2024 Nov 06 (Wed)	09:52 119	15:51 55S	21:50 242

2024 Nov 07 (Thu)	10:47 117	16:46 57S	22:47 244
2024 Nov 08 (Fri)	11:40 114	17:41 61S	23:43 248
2024 Nov 09 (Sat)	12:30 110	18:33 66S	
2024 Nov 10 (Sun)	13:18 104	19:23 72S	00:37 253
2024 Nov 11 (Mon)	14:04 97	20:12 79S	01:30 259
2024 Nov 12 (Tue)	14:50 90	21:01 86S	02:22 266
2024 Nov 13 (Wed)	15:36 83	21:52 88N	03:15 274
2024 Nov 14 (Thu)	16:25 76	22:45 81N	04:09 281
2024 Nov 15 (Fri)	17:18 70	23:42 75N	05:06 287
2024 Nov 16 (Sat)	18:16 65		06:07 293
2024 Nov 17 (Sun)	19:17 62	00:43 71N	07:11 297
2024 Nov 18 (Mon)	20:19 61	01:46 69N	08:15 299
2024 Nov 19 (Tue)	21:20 63	02:48 68N	09:17 298
2024 Nov 20 (Wed)	22:17 65	03:48 70N	10:14 296
2024 Nov 21 (Thu)	23:10 69	04:42 73N	11:05 293
2024 Nov 22 (Fri)	23:58 74	05:31 78N	11:51 288
2024 Nov 23 (Sat)		06:16 83N	12:32 283
2024 Nov 24 (Sun)	00:43 80	06:58 88N	13:11 277
2024 Nov 25 (Mon)	01:26 86	07:37 87S	13:47 271
2024 Nov 26 (Tue)	02:07 91	08:16 81S	14:23 266
2024 Nov 27 (Wed)	02:49 97	08:55 75S	15:00 260
2024 Nov 28 (Thu)	03:31 103	09:35 70S	15:38 255
2024 Nov 29 (Fri)	04:17 108	10:19 65S	16:20 250
2024 Nov 30 (Sat)	05:05 112	11:05 61S	17:05 246
2024 Dec 01 (Sun)	05:56 116	11:56 58S	17:55 243
2024 Dec 02 (Mon)	06:51 118	12:50 56S	18:49 241
2024 Dec 03 (Tue)	07:47 119	13:46 55S	19:45 242
2024 Dec 04 (Wed)	08:43 118	14:42 57S	20:42 243
2024 Dec 05 (Thu)	09:37 115	15:37 60S	21:39 247
2024 Dec 06 (Fri)	10:27 111	16:30 64S	22:33 252
2024 Dec 07 (Sat)	11:15 106	17:20 70S	23:25 257
2024 Dec 08 (Sun)	12:01 99	18:08 76S	
2024 Dec 09 (Mon)	12:45 93	18:55 83S	00:16 264
2024 Dec 10 (Tue)	13:29 86	19:43 90S	01:06 271
2024 Dec 11 (Wed)	14:15 79	20:33 84N	01:58 278
2024 Dec 12 (Thu)	15:05 72	21:26 78N	02:52 285
2024 Dec 13 (Fri)	15:59 67	22:24 73N	03:50 291
2024 Dec 14 (Sat)	16:57 63	23:25 70N	04:51 295
2024 Dec 15 (Sun)	17:59 62		05:54 298
2024 Dec 16 (Mon)	19:01 62	00:28 68N	06:58 299
2024 Dec 17 (Tue)	20:02 64	01:30 69N	07:58 297
2024 Dec 18 (Wed)	20:58 68	02:28 72N	08:53 294
2024 Dec 19 (Thu)	21:49 72	03:21 76N	09:42 290
2024 Dec 20 (Fri)	22:36 78	04:09 81N	10:26 285
2024 Dec 21 (Sat)	23:20 83	04:52 86N	11:07 279
2024 Dec 22 (Sun)		05:33 89S	11:44 274
2024 Dec 23 (Mon)	00:02 89	06:12 83S	12:20 268
2024 Dec 24 (Tue)	00:44 95	06:51 78S	12:57 262
2024 Dec 25 (Wed)	01:26 101	07:31 72S	13:35 257
2024 Dec 26 (Thu)	02:10 106	08:13 67S	14:15 252
2024 Dec 27 (Fri)	02:57 111	08:58 62S	14:58 247
2024 Dec 28 (Sat)	03:47 115	09:47 59S	15:47 244
2024 Dec 29 (Sun)	04:41 117	10:40 56S	16:39 242
2024 Dec 30 (Mon)	05:37 119	11:36 55S	17:35 241
2024 Dec 31 (Tue)	06:34 118	12:34 56S	18:34 243