

Sun

Chumphon

Location: E 99°22'08.3", N10°28'37.2", 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)	05:51	06:40	113	12:26 57S	18:11	247	19:01
2024	Jan	02 (Tue)	05:51	06:40	113	12:26 57S	18:12	247	19:01
2024	Jan	03 (Wed)	05:52	06:41	113	12:27 57S	18:13	247	19:02
2024	Jan	04 (Thu)	05:52	06:41	113	12:27 57S	18:13	247	19:02
2024	Jan	05 (Fri)	05:53	06:42	113	12:28 58S	18:14	247	19:03
2024	Jan	06 (Sat)	05:53	06:42	113	12:28 58S	18:14	247	19:03
2024	Jan	07 (Sun)	05:53	06:42	113	12:28 58S	18:15	247	19:04
2024	Jan	08 (Mon)	05:54	06:43	113	12:29 58S	18:15	247	19:04
2024	Jan	09 (Tue)	05:54	06:43	112	12:29 58S	18:16	248	19:05
2024	Jan	10 (Wed)	05:54	06:43	112	12:30 58S	18:16	248	19:05
2024	Jan	11 (Thu)	05:55	06:43	112	12:30 58S	18:17	248	19:06
2024	Jan	12 (Fri)	05:55	06:44	112	12:31 59S	18:17	248	19:06
2024	Jan	13 (Sat)	05:55	06:44	112	12:31 59S	18:18	248	19:07
2024	Jan	14 (Sun)	05:56	06:44	112	12:31 59S	18:18	248	19:07
2024	Jan	15 (Mon)	05:56	06:44	111	12:32 59S	18:19	249	19:07
2024	Jan	16 (Tue)	05:56	06:45	111	12:32 59S	18:19	249	19:08
2024	Jan	17 (Wed)	05:56	06:45	111	12:32 59S	18:20	249	19:08
2024	Jan	18 (Thu)	05:57	06:45	111	12:33 60S	18:20	249	19:09
2024	Jan	19 (Fri)	05:57	06:45	111	12:33 60S	18:21	249	19:09
2024	Jan	20 (Sat)	05:57	06:45	110	12:33 60S	18:21	250	19:10
2024	Jan	21 (Sun)	05:57	06:45	110	12:34 60S	18:22	250	19:10
2024	Jan	22 (Mon)	05:57	06:46	110	12:34 60S	18:22	250	19:10
2024	Jan	23 (Tue)	05:58	06:46	110	12:34 61S	18:23	250	19:11
2024	Jan	24 (Wed)	05:58	06:46	110	12:34 61S	18:23	251	19:11
2024	Jan	25 (Thu)	05:58	06:46	109	12:35 61S	18:24	251	19:12
2024	Jan	26 (Fri)	05:58	06:46	109	12:35 61S	18:24	251	19:12
2024	Jan	27 (Sat)	05:58	06:46	109	12:35 62S	18:25	251	19:12
2024	Jan	28 (Sun)	05:58	06:46	109	12:35 62S	18:25	252	19:13
2024	Jan	29 (Mon)	05:58	06:46	108	12:35 62S	18:25	252	19:13
2024	Jan	30 (Tue)	05:58	06:46	108	12:36 62S	18:26	252	19:13
2024	Jan	31 (Wed)	05:58	06:46	108	12:36 63S	18:26	252	19:13
2024	Feb	01 (Thu)	05:58	06:46	107	12:36 63S	18:26	253	19:14
2024	Feb	02 (Fri)	05:58	06:46	107	12:36 63S	18:27	253	19:14
2024	Feb	03 (Sat)	05:58	06:45	107	12:36 64S	18:27	253	19:14
2024	Feb	04 (Sun)	05:58	06:45	107	12:36 64S	18:27	254	19:15
2024	Feb	05 (Mon)	05:58	06:45	106	12:36 64S	18:28	254	19:15
2024	Feb	06 (Tue)	05:58	06:45	106	12:37 64S	18:28	254	19:15
2024	Feb	07 (Wed)	05:58	06:45	106	12:37 65S	18:28	255	19:15
2024	Feb	08 (Thu)	05:58	06:45	105	12:37 65S	18:29	255	19:16
2024	Feb	09 (Fri)	05:58	06:44	105	12:37 65S	18:29	255	19:16
2024	Feb	10 (Sat)	05:57	06:44	105	12:37 66S	18:29	255	19:16
2024	Feb	11 (Sun)	05:57	06:44	104	12:37 66S	18:30	256	19:16
2024	Feb	12 (Mon)	05:57	06:44	104	12:37 66S	18:30	256	19:16
2024	Feb	13 (Tue)	05:57	06:43	104	12:37 67S	18:30	256	19:17
2024	Feb	14 (Wed)	05:57	06:43	103	12:37 67S	18:30	257	19:17
2024	Feb	15 (Thu)	05:56	06:43	103	12:37 67S	18:31	257	19:17
2024	Feb	16 (Fri)	05:56	06:43	103	12:37 68S	18:31	258	19:17
2024	Feb	17 (Sat)	05:56	06:42	102	12:37 68S	18:31	258	19:17
2024	Feb	18 (Sun)	05:56	06:42	102	12:36 68S	18:31	258	19:17
2024	Feb	19 (Mon)	05:55	06:42	102	12:36 69S	18:31	259	19:17
2024	Feb	20 (Tue)	05:55	06:41	101	12:36 69S	18:31	259	19:18
2024	Feb	21 (Wed)	05:55	06:41	101	12:36 69S	18:32	259	19:18
2024	Feb	22 (Thu)	05:54	06:40	100	12:36 70S	18:32	260	19:18
2024	Feb	23 (Fri)	05:54	06:40	100	12:36 70S	18:32	260	19:18
2024	Feb	24 (Sat)	05:54	06:40	100	12:36 71S	18:32	260	19:18
2024	Feb	25 (Sun)	05:53	06:39	99	12:36 71S	18:32	261	19:18
2024	Feb	26 (Mon)	05:53	06:39	99	12:36 71S	18:32	261	19:18
2024	Feb	27 (Tue)	05:53	06:38	99	12:35 72S	18:32	262	19:18
2024	Feb	28 (Wed)	05:52	06:38	98	12:35 72S	18:33	262	19:18
2024	Feb	29 (Thu)	05:52	06:37	98	12:35 72S	18:33	262	19:18

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

2024	May	12	(Sun)	05:13	06:01	71	12:19	83N	18:36	289	19:25
2024	May	13	(Mon)	05:13	06:01	71	12:19	83N	18:37	289	19:25
2024	May	14	(Tue)	05:12	06:01	71	12:19	82N	18:37	289	19:25
2024	May	15	(Wed)	05:12	06:01	71	12:19	82N	18:37	290	19:26
2024	May	16	(Thu)	05:12	06:01	70	12:19	82N	18:37	290	19:26
2024	May	17	(Fri)	05:12	06:00	70	12:19	82N	18:38	290	19:26
2024	May	18	(Sat)	05:11	06:00	70	12:19	82N	18:38	290	19:27
2024	May	19	(Sun)	05:11	06:00	70	12:19	81N	18:38	290	19:27
2024	May	20	(Mon)	05:11	06:00	69	12:19	81N	18:38	291	19:27
2024	May	21	(Tue)	05:11	06:00	69	12:19	81N	18:38	291	19:28
2024	May	22	(Wed)	05:11	06:00	69	12:19	81N	18:39	291	19:28
2024	May	23	(Thu)	05:11	06:00	69	12:19	81N	18:39	291	19:28
2024	May	24	(Fri)	05:10	06:00	69	12:19	80N	18:39	291	19:29
2024	May	25	(Sat)	05:10	06:00	68	12:19	80N	18:39	292	19:29
2024	May	26	(Sun)	05:10	06:00	68	12:20	80N	18:40	292	19:29
2024	May	27	(Mon)	05:10	05:59	68	12:20	80N	18:40	292	19:30
2024	May	28	(Tue)	05:10	05:59	68	12:20	80N	18:40	292	19:30
2024	May	29	(Wed)	05:10	05:59	68	12:20	79N	18:41	292	19:30
2024	May	30	(Thu)	05:10	05:59	68	12:20	79N	18:41	292	19:30
2024	May	31	(Fri)	05:10	05:59	67	12:20	79N	18:41	293	19:31
2024	Jun	01	(Sat)	05:10	06:00	67	12:20	79N	18:41	293	19:31
2024	Jun	02	(Sun)	05:10	06:00	67	12:21	79N	18:42	293	19:31
2024	Jun	03	(Mon)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2024	Jun	04	(Tue)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2024	Jun	05	(Wed)	05:10	06:00	67	12:21	79N	18:42	293	19:32
2024	Jun	06	(Thu)	05:10	06:00	67	12:21	78N	18:43	293	19:33
2024	Jun	07	(Fri)	05:10	06:00	67	12:21	78N	18:43	293	19:33
2024	Jun	08	(Sat)	05:10	06:00	67	12:22	78N	18:43	293	19:33
2024	Jun	09	(Sun)	05:10	06:00	66	12:22	78N	18:44	294	19:34
2024	Jun	10	(Mon)	05:10	06:00	66	12:22	78N	18:44	294	19:34
2024	Jun	11	(Tue)	05:10	06:00	66	12:22	78N	18:44	294	19:34
2024	Jun	12	(Wed)	05:10	06:01	66	12:22	78N	18:44	294	19:35
2024	Jun	13	(Thu)	05:11	06:01	66	12:23	78N	18:45	294	19:35
2024	Jun	14	(Fri)	05:11	06:01	66	12:23	78N	18:45	294	19:35
2024	Jun	15	(Sat)	05:11	06:01	66	12:23	78N	18:45	294	19:35
2024	Jun	16	(Sun)	05:11	06:01	66	12:23	78N	18:45	294	19:36
2024	Jun	17	(Mon)	05:11	06:01	66	12:24	78N	18:46	294	19:36
2024	Jun	18	(Tue)	05:11	06:02	66	12:24	78N	18:46	294	19:36
2024	Jun	19	(Wed)	05:12	06:02	66	12:24	78N	18:46	294	19:36
2024	Jun	20	(Thu)	05:12	06:02	66	12:24	78N	18:46	294	19:37
2024	Jun	21	(Fri)	05:12	06:02	66	12:24	78N	18:47	294	19:37
2024	Jun	22	(Sat)	05:12	06:02	66	12:25	78N	18:47	294	19:37
2024	Jun	23	(Sun)	05:12	06:03	66	12:25	78N	18:47	294	19:37
2024	Jun	24	(Mon)	05:13	06:03	66	12:25	78N	18:47	294	19:37
2024	Jun	25	(Tue)	05:13	06:03	66	12:25	78N	18:47	294	19:38
2024	Jun	26	(Wed)	05:13	06:03	66	12:25	78N	18:47	294	19:38
2024	Jun	27	(Thu)	05:13	06:04	66	12:26	78N	18:48	294	19:38
2024	Jun	28	(Fri)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2024	Jun	29	(Sat)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2024	Jun	30	(Sun)	05:14	06:04	66	12:26	78N	18:48	294	19:38
2024	Jul	01	(Mon)	05:14	06:05	66	12:26	78N	18:48	294	19:38
2024	Jul	02	(Tue)	05:15	06:05	66	12:27	78N	18:48	294	19:38
2024	Jul	03	(Wed)	05:15	06:05	66	12:27	78N	18:48	293	19:39
2024	Jul	04	(Thu)	05:15	06:05	67	12:27	78N	18:49	293	19:39
2024	Jul	05	(Fri)	05:16	06:06	67	12:27	78N	18:49	293	19:39
2024	Jul	06	(Sat)	05:16	06:06	67	12:27	79N	18:49	293	19:39
2024	Jul	07	(Sun)	05:16	06:06	67	12:28	79N	18:49	293	19:39
2024	Jul	08	(Mon)	05:17	06:06	67	12:28	79N	18:49	293	19:39
2024	Jul	09	(Tue)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2024	Jul	10	(Wed)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2024	Jul	11	(Thu)	05:17	06:07	67	12:28	79N	18:49	293	19:39
2024	Jul	12	(Fri)	05:18	06:07	68	12:28	79N	18:49	292	19:39
2024	Jul	13	(Sat)	05:18	06:08	68	12:28	79N	18:49	292	19:38
2024	Jul	14	(Sun)	05:18	06:08	68	12:28	80N	18:49	292	19:38
2024	Jul	15	(Mon)	05:19	06:08	68	12:29	80N	18:49	292	19:38
2024	Jul	16	(Tue)	05:19	06:08	68	12:29	80N	18:49	292	19:38
2024	Jul	17	(Wed)	05:19	06:09	68	12:29	80N	18:49	292	19:38
2024	Jul	18	(Thu)	05:20	06:09	68	12:29	80N	18:49	291	19:38
2024	Jul	19	(Fri)	05:20	06:09	69	12:29	80N	18:49	291	19:38
2024	Jul	20	(Sat)	05:20	06:09	69	12:29	81N	18:48	291	19:38
2024	Jul	21	(Sun)	05:20	06:10	69	12:29	81N	18:48	291	19:37
2024	Jul	22	(Mon)	05:21	06:10	69	12:29	81N	18:48	291	19:37

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

2024	Oct	03	(Thu)	05:26	06:11	94	12:11	76S	18:12	266	18:57
2024	Oct	04	(Fri)	05:26	06:11	94	12:11	76S	18:11	265	18:57
2024	Oct	05	(Sat)	05:26	06:11	95	12:11	75S	18:10	265	18:56
2024	Oct	06	(Sun)	05:26	06:11	95	12:11	75S	18:10	265	18:55
2024	Oct	07	(Mon)	05:26	06:11	96	12:10	75S	18:09	264	18:55
2024	Oct	08	(Tue)	05:26	06:11	96	12:10	74S	18:09	264	18:54
2024	Oct	09	(Wed)	05:25	06:11	96	12:10	74S	18:08	263	18:54
2024	Oct	10	(Thu)	05:25	06:11	97	12:09	73S	18:08	263	18:53
2024	Oct	11	(Fri)	05:25	06:11	97	12:09	73S	18:07	263	18:53
2024	Oct	12	(Sat)	05:25	06:11	97	12:09	73S	18:07	262	18:52
2024	Oct	13	(Sun)	05:25	06:11	98	12:09	72S	18:06	262	18:52
2024	Oct	14	(Mon)	05:25	06:11	98	12:08	72S	18:06	262	18:51
2024	Oct	15	(Tue)	05:25	06:11	99	12:08	72S	18:05	261	18:51
2024	Oct	16	(Wed)	05:25	06:11	99	12:08	71S	18:05	261	18:50
2024	Oct	17	(Thu)	05:26	06:11	99	12:08	71S	18:04	260	18:50
2024	Oct	18	(Fri)	05:26	06:11	100	12:08	70S	18:04	260	18:50
2024	Oct	19	(Sat)	05:26	06:12	100	12:07	70S	18:03	260	18:49
2024	Oct	20	(Sun)	05:26	06:12	100	12:07	70S	18:03	259	18:49
2024	Oct	21	(Mon)	05:26	06:12	101	12:07	69S	18:02	259	18:48
2024	Oct	22	(Tue)	05:26	06:12	101	12:07	69S	18:02	259	18:48
2024	Oct	23	(Wed)	05:26	06:12	102	12:07	69S	18:01	258	18:48
2024	Oct	24	(Thu)	05:26	06:12	102	12:07	68S	18:01	258	18:47
2024	Oct	25	(Fri)	05:26	06:12	102	12:07	68S	18:01	258	18:47
2024	Oct	26	(Sat)	05:26	06:12	103	12:06	68S	18:00	257	18:47
2024	Oct	27	(Sun)	05:26	06:13	103	12:06	67S	18:00	257	18:46
2024	Oct	28	(Mon)	05:26	06:13	103	12:06	67S	18:00	257	18:46
2024	Oct	29	(Tue)	05:26	06:13	104	12:06	67S	17:59	256	18:46
2024	Oct	30	(Wed)	05:27	06:13	104	12:06	66S	17:59	256	18:46
2024	Oct	31	(Thu)	05:27	06:13	104	12:06	66S	17:59	256	18:45
2024	Nov	01	(Fri)	05:27	06:14	105	12:06	66S	17:59	255	18:45
2024	Nov	02	(Sat)	05:27	06:14	105	12:06	65S	17:58	255	18:45
2024	Nov	03	(Sun)	05:27	06:14	105	12:06	65S	17:58	255	18:45
2024	Nov	04	(Mon)	05:27	06:14	106	12:06	65S	17:58	254	18:45
2024	Nov	05	(Tue)	05:28	06:15	106	12:06	64S	17:58	254	18:45
2024	Nov	06	(Wed)	05:28	06:15	106	12:06	64S	17:57	254	18:44
2024	Nov	07	(Thu)	05:28	06:15	106	12:06	64S	17:57	253	18:44
2024	Nov	08	(Fri)	05:28	06:15	107	12:06	64S	17:57	253	18:44
2024	Nov	09	(Sat)	05:28	06:16	107	12:06	63S	17:57	253	18:44
2024	Nov	10	(Sun)	05:29	06:16	107	12:06	63S	17:57	253	18:44
2024	Nov	11	(Mon)	05:29	06:16	108	12:07	63S	17:57	252	18:44
2024	Nov	12	(Tue)	05:29	06:17	108	12:07	62S	17:57	252	18:44
2024	Nov	13	(Wed)	05:29	06:17	108	12:07	62S	17:57	252	18:44
2024	Nov	14	(Thu)	05:30	06:17	108	12:07	62S	17:56	251	18:44
2024	Nov	15	(Fri)	05:30	06:18	109	12:07	62S	17:56	251	18:44
2024	Nov	16	(Sat)	05:30	06:18	109	12:07	61S	17:56	251	18:44
2024	Nov	17	(Sun)	05:31	06:19	109	12:08	61S	17:56	251	18:44
2024	Nov	18	(Mon)	05:31	06:19	109	12:08	61S	17:56	250	18:44
2024	Nov	19	(Tue)	05:31	06:19	110	12:08	61S	17:56	250	18:44
2024	Nov	20	(Wed)	05:32	06:20	110	12:08	60S	17:57	250	18:45
2024	Nov	21	(Thu)	05:32	06:20	110	12:08	60S	17:57	250	18:45
2024	Nov	22	(Fri)	05:32	06:21	110	12:09	60S	17:57	250	18:45
2024	Nov	23	(Sat)	05:33	06:21	111	12:09	60S	17:57	249	18:45
2024	Nov	24	(Sun)	05:33	06:21	111	12:09	60S	17:57	249	18:45
2024	Nov	25	(Mon)	05:34	06:22	111	12:10	59S	17:57	249	18:45
2024	Nov	26	(Tue)	05:34	06:22	111	12:10	59S	17:57	249	18:46
2024	Nov	27	(Wed)	05:34	06:23	111	12:10	59S	17:57	249	18:46
2024	Nov	28	(Thu)	05:35	06:23	112	12:11	59S	17:58	248	18:46
2024	Nov	29	(Fri)	05:35	06:24	112	12:11	59S	17:58	248	18:46
2024	Nov	30	(Sat)	05:36	06:24	112	12:11	59S	17:58	248	18:47
2024	Dec	01	(Sun)	05:36	06:25	112	12:12	58S	17:58	248	18:47
2024	Dec	02	(Mon)	05:37	06:25	112	12:12	58S	17:59	248	18:47
2024	Dec	03	(Tue)	05:37	06:26	112	12:12	58S	17:59	248	18:48
2024	Dec	04	(Wed)	05:38	06:26	113	12:13	58S	17:59	247	18:48
2024	Dec	05	(Thu)	05:38	06:27	113	12:13	58S	17:59	247	18:48
2024	Dec	06	(Fri)	05:39	06:27	113	12:14	58S	18:00	247	18:49
2024	Dec	07	(Sat)	05:39	06:28	113	12:14	58S	18:00	247	18:49
2024	Dec	08	(Sun)	05:39	06:28	113	12:15	57S	18:00	247	18:50
2024	Dec	09	(Mon)	05:40	06:29	113	12:15	57S	18:01	247	18:50
2024	Dec	10	(Tue)	05:40	06:30	113	12:15	57S	18:01	247	18:50
2024	Dec	11	(Wed)	05:41	06:30	113	12:16	57S	18:02	247	18:51
2024	Dec	12	(Thu)	05:41	06:31	113	12:16	57S	18:02	247	18:51
2024	Dec	13	(Fri)	05:42	06:31	113	12:17	57S	18:02	247	18:52

2024	Dec	14	(Sat)	05:42	06:32	113	12:17	57S	18:03	246	18:52
2024	Dec	15	(Sun)	05:43	06:32	114	12:18	57S	18:03	246	18:53
2024	Dec	16	(Mon)	05:43	06:33	114	12:18	57S	18:04	246	18:53
2024	Dec	17	(Tue)	05:44	06:33	114	12:19	57S	18:04	246	18:53
2024	Dec	18	(Wed)	05:44	06:34	114	12:19	57S	18:05	246	18:54
2024	Dec	19	(Thu)	05:45	06:34	114	12:20	57S	18:05	246	18:54
2024	Dec	20	(Fri)	05:45	06:35	114	12:20	57S	18:06	246	18:55
2024	Dec	21	(Sat)	05:46	06:35	114	12:21	57S	18:06	246	18:55
2024	Dec	22	(Sun)	05:46	06:36	114	12:21	57S	18:07	246	18:56
2024	Dec	23	(Mon)	05:47	06:36	114	12:22	57S	18:07	246	18:56
2024	Dec	24	(Tue)	05:47	06:37	114	12:22	57S	18:08	246	18:57
2024	Dec	25	(Wed)	05:48	06:37	114	12:23	57S	18:08	246	18:57
2024	Dec	26	(Thu)	05:48	06:38	114	12:23	57S	18:09	246	18:58
2024	Dec	27	(Fri)	05:49	06:38	114	12:24	57S	18:09	246	18:58
2024	Dec	28	(Sat)	05:49	06:39	114	12:24	57S	18:10	247	18:59
2024	Dec	29	(Sun)	05:50	06:39	113	12:25	57S	18:10	247	18:59
2024	Dec	30	(Mon)	05:50	06:39	113	12:25	57S	18:11	247	19:00
2024	Dec	31	(Tue)	05:51	06:40	113	12:26	57S	18:11	247	19:00

Sun

Chumphon

Location: E 99°22'08.3", N10°28'37.2", 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)	06:17	06:40	113	12:26	57S	18:11	247	18:34
2024	Jan	02	(Tue)	06:18	06:40	113	12:26	57S	18:12	247	18:35
2024	Jan	03	(Wed)	06:18	06:41	113	12:27	57S	18:13	247	18:35
2024	Jan	04	(Thu)	06:18	06:41	113	12:27	57S	18:13	247	18:36
2024	Jan	05	(Fri)	06:19	06:42	113	12:28	58S	18:14	247	18:36
2024	Jan	06	(Sat)	06:19	06:42	113	12:28	58S	18:14	247	18:37
2024	Jan	07	(Sun)	06:20	06:42	113	12:28	58S	18:15	247	18:37
2024	Jan	08	(Mon)	06:20	06:43	113	12:29	58S	18:15	247	18:38
2024	Jan	09	(Tue)	06:20	06:43	112	12:29	58S	18:16	248	18:38
2024	Jan	10	(Wed)	06:21	06:43	112	12:30	58S	18:16	248	18:39
2024	Jan	11	(Thu)	06:21	06:43	112	12:30	58S	18:17	248	18:39
2024	Jan	12	(Fri)	06:21	06:44	112	12:31	59S	18:17	248	18:40
2024	Jan	13	(Sat)	06:21	06:44	112	12:31	59S	18:18	248	18:40
2024	Jan	14	(Sun)	06:22	06:44	112	12:31	59S	18:18	248	18:41
2024	Jan	15	(Mon)	06:22	06:44	111	12:32	59S	18:19	249	18:41
2024	Jan	16	(Tue)	06:22	06:45	111	12:32	59S	18:19	249	18:42
2024	Jan	17	(Wed)	06:22	06:45	111	12:32	59S	18:20	249	18:42
2024	Jan	18	(Thu)	06:23	06:45	111	12:33	60S	18:20	249	18:43
2024	Jan	19	(Fri)	06:23	06:45	111	12:33	60S	18:21	249	18:43
2024	Jan	20	(Sat)	06:23	06:45	110	12:33	60S	18:21	250	18:44
2024	Jan	21	(Sun)	06:23	06:45	110	12:34	60S	18:22	250	18:44
2024	Jan	22	(Mon)	06:23	06:46	110	12:34	60S	18:22	250	18:45
2024	Jan	23	(Tue)	06:23	06:46	110	12:34	61S	18:23	250	18:45
2024	Jan	24	(Wed)	06:23	06:46	110	12:34	61S	18:23	251	18:45
2024	Jan	25	(Thu)	06:24	06:46	109	12:35	61S	18:24	251	18:46
2024	Jan	26	(Fri)	06:24	06:46	109	12:35	61S	18:24	251	18:46
2024	Jan	27	(Sat)	06:24	06:46	109	12:35	62S	18:25	251	18:47
2024	Jan	28	(Sun)	06:24	06:46	109	12:35	62S	18:25	252	18:47
2024	Jan	29	(Mon)	06:24	06:46	108	12:35	62S	18:25	252	18:47
2024	Jan	30	(Tue)	06:24	06:46	108	12:36	62S	18:26	252	18:48
2024	Jan	31	(Wed)	06:24	06:46	108	12:36	63S	18:26	252	18:48
2024	Feb	01	(Thu)	06:24	06:46	107	12:36	63S	18:26	253	18:48
2024	Feb	02	(Fri)	06:24	06:46	107	12:36	63S	18:27	253	18:49
2024	Feb	03	(Sat)	06:24	06:45	107	12:36	64S	18:27	253	18:49
2024	Feb	04	(Sun)	06:23	06:45	107	12:36	64S	18:27	254	18:49
2024	Feb	05	(Mon)	06:23	06:45	106	12:36	64S	18:28	254	18:50
2024	Feb	06	(Tue)	06:23	06:45	106	12:37	64S	18:28	254	18:50
2024	Feb	07	(Wed)	06:23	06:45	106	12:37	65S	18:28	255	18:50
2024	Feb	08	(Thu)	06:23	06:45	105	12:37	65S	18:29	255	18:50
2024	Feb	09	(Fri)	06:23	06:44	105	12:37	65S	18:29	255	18:51
2024	Feb	10	(Sat)	06:23	06:44	105	12:37	66S	18:29	255	18:51

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

2024	Apr	23	(Tue)	05:46	06:08	77	12:21	88N	18:34	283	18:55
2024	Apr	24	(Wed)	05:46	06:07	77	12:21	88N	18:34	283	18:56
2024	Apr	25	(Thu)	05:45	06:07	76	12:20	88N	18:34	284	18:56
2024	Apr	26	(Fri)	05:45	06:07	76	12:20	88N	18:34	284	18:56
2024	Apr	27	(Sat)	05:44	06:06	76	12:20	87N	18:34	284	18:56
2024	Apr	28	(Sun)	05:44	06:06	75	12:20	87N	18:34	285	18:56
2024	Apr	29	(Mon)	05:44	06:05	75	12:20	87N	18:34	285	18:56
2024	Apr	30	(Tue)	05:43	06:05	75	12:20	86N	18:35	285	18:56
2024	May	01	(Wed)	05:43	06:05	74	12:20	86N	18:35	286	18:57
2024	May	02	(Thu)	05:42	06:04	74	12:19	86N	18:35	286	18:57
2024	May	03	(Fri)	05:42	06:04	74	12:19	85N	18:35	286	18:57
2024	May	04	(Sat)	05:42	06:04	74	12:19	85N	18:35	287	18:57
2024	May	05	(Sun)	05:41	06:03	73	12:19	85N	18:35	287	18:57
2024	May	06	(Mon)	05:41	06:03	73	12:19	85N	18:35	287	18:57
2024	May	07	(Tue)	05:41	06:03	73	12:19	84N	18:36	287	18:58
2024	May	08	(Wed)	05:40	06:02	72	12:19	84N	18:36	288	18:58
2024	May	09	(Thu)	05:40	06:02	72	12:19	84N	18:36	288	18:58
2024	May	10	(Fri)	05:40	06:02	72	12:19	83N	18:36	288	18:58
2024	May	11	(Sat)	05:39	06:02	72	12:19	83N	18:36	289	18:59
2024	May	12	(Sun)	05:39	06:01	71	12:19	83N	18:36	289	18:59
2024	May	13	(Mon)	05:39	06:01	71	12:19	83N	18:37	289	18:59
2024	May	14	(Tue)	05:39	06:01	71	12:19	82N	18:37	289	18:59
2024	May	15	(Wed)	05:38	06:01	71	12:19	82N	18:37	290	19:00
2024	May	16	(Thu)	05:38	06:01	70	12:19	82N	18:37	290	19:00
2024	May	17	(Fri)	05:38	06:00	70	12:19	82N	18:38	290	19:00
2024	May	18	(Sat)	05:38	06:00	70	12:19	82N	18:38	290	19:00
2024	May	19	(Sun)	05:38	06:00	70	12:19	81N	18:38	290	19:01
2024	May	20	(Mon)	05:37	06:00	69	12:19	81N	18:38	291	19:01
2024	May	21	(Tue)	05:37	06:00	69	12:19	81N	18:38	291	19:01
2024	May	22	(Wed)	05:37	06:00	69	12:19	81N	18:39	291	19:01
2024	May	23	(Thu)	05:37	06:00	69	12:19	81N	18:39	291	19:02
2024	May	24	(Fri)	05:37	06:00	69	12:19	80N	18:39	291	19:02
2024	May	25	(Sat)	05:37	06:00	68	12:19	80N	18:39	292	19:02
2024	May	26	(Sun)	05:37	06:00	68	12:20	80N	18:40	292	19:03
2024	May	27	(Mon)	05:37	05:59	68	12:20	80N	18:40	292	19:03
2024	May	28	(Tue)	05:37	05:59	68	12:20	80N	18:40	292	19:03
2024	May	29	(Wed)	05:37	05:59	68	12:20	79N	18:41	292	19:03
2024	May	30	(Thu)	05:37	05:59	68	12:20	79N	18:41	292	19:04
2024	May	31	(Fri)	05:37	05:59	67	12:20	79N	18:41	293	19:04
2024	Jun	01	(Sat)	05:37	06:00	67	12:20	79N	18:41	293	19:04
2024	Jun	02	(Sun)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2024	Jun	03	(Mon)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2024	Jun	04	(Tue)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2024	Jun	05	(Wed)	05:37	06:00	67	12:21	79N	18:42	293	19:05
2024	Jun	06	(Thu)	05:37	06:00	67	12:21	78N	18:43	293	19:06
2024	Jun	07	(Fri)	05:37	06:00	67	12:21	78N	18:43	293	19:06
2024	Jun	08	(Sat)	05:37	06:00	67	12:22	78N	18:43	293	19:06
2024	Jun	09	(Sun)	05:37	06:00	66	12:22	78N	18:44	294	19:07
2024	Jun	10	(Mon)	05:37	06:00	66	12:22	78N	18:44	294	19:07
2024	Jun	11	(Tue)	05:37	06:00	66	12:22	78N	18:44	294	19:07
2024	Jun	12	(Wed)	05:37	06:01	66	12:22	78N	18:44	294	19:07
2024	Jun	13	(Thu)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2024	Jun	14	(Fri)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2024	Jun	15	(Sat)	05:38	06:01	66	12:23	78N	18:45	294	19:08
2024	Jun	16	(Sun)	05:38	06:01	66	12:23	78N	18:45	294	19:09
2024	Jun	17	(Mon)	05:38	06:01	66	12:24	78N	18:46	294	19:09
2024	Jun	18	(Tue)	05:39	06:02	66	12:24	78N	18:46	294	19:09
2024	Jun	19	(Wed)	05:39	06:02	66	12:24	78N	18:46	294	19:09
2024	Jun	20	(Thu)	05:39	06:02	66	12:24	78N	18:46	294	19:09
2024	Jun	21	(Fri)	05:39	06:02	66	12:24	78N	18:47	294	19:10
2024	Jun	22	(Sat)	05:39	06:02	66	12:25	78N	18:47	294	19:10
2024	Jun	23	(Sun)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2024	Jun	24	(Mon)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2024	Jun	25	(Tue)	05:40	06:03	66	12:25	78N	18:47	294	19:10
2024	Jun	26	(Wed)	05:40	06:03	66	12:25	78N	18:47	294	19:11
2024	Jun	27	(Thu)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2024	Jun	28	(Fri)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2024	Jun	29	(Sat)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2024	Jun	30	(Sun)	05:41	06:04	66	12:26	78N	18:48	294	19:11
2024	Jul	01	(Mon)	05:42	06:05	66	12:26	78N	18:48	294	19:11
2024	Jul	02	(Tue)	05:42	06:05	66	12:27	78N	18:48	294	19:11
2024	Jul	03	(Wed)	05:42	06:05	66	12:27	78N	18:48	293	19:11

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

2024	Sep	14	(Sat)	05:51	06:12	86	12:18	83S	18:24	273	18:45
2024	Sep	15	(Sun)	05:51	06:12	87	12:18	83S	18:23	273	18:44
2024	Sep	16	(Mon)	05:51	06:12	87	12:17	83S	18:22	273	18:43
2024	Sep	17	(Tue)	05:51	06:12	88	12:17	82S	18:22	272	18:43
2024	Sep	18	(Wed)	05:51	06:12	88	12:17	82S	18:21	272	18:42
2024	Sep	19	(Thu)	05:51	06:12	88	12:16	82S	18:20	271	18:41
2024	Sep	20	(Fri)	05:51	06:12	89	12:16	81S	18:20	271	18:41
2024	Sep	21	(Sat)	05:51	06:12	89	12:16	81S	18:19	271	18:40
2024	Sep	22	(Sun)	05:51	06:12	90	12:15	80S	18:18	270	18:39
2024	Sep	23	(Mon)	05:51	06:12	90	12:15	80S	18:18	270	18:39
2024	Sep	24	(Tue)	05:51	06:12	90	12:14	80S	18:17	269	18:38
2024	Sep	25	(Wed)	05:51	06:12	91	12:14	79S	18:17	269	18:38
2024	Sep	26	(Thu)	05:50	06:11	91	12:14	79S	18:16	269	18:37
2024	Sep	27	(Fri)	05:50	06:11	92	12:13	78S	18:15	268	18:36
2024	Sep	28	(Sat)	05:50	06:11	92	12:13	78S	18:15	268	18:36
2024	Sep	29	(Sun)	05:50	06:11	92	12:13	78S	18:14	267	18:35
2024	Sep	30	(Mon)	05:50	06:11	93	12:12	77S	18:13	267	18:34
2024	Oct	01	(Tue)	05:50	06:11	93	12:12	77S	18:13	267	18:34
2024	Oct	02	(Wed)	05:50	06:11	94	12:12	76S	18:12	266	18:33
2024	Oct	03	(Thu)	05:50	06:11	94	12:11	76S	18:12	266	18:33
2024	Oct	04	(Fri)	05:50	06:11	94	12:11	76S	18:11	265	18:32
2024	Oct	05	(Sat)	05:50	06:11	95	12:11	75S	18:10	265	18:32
2024	Oct	06	(Sun)	05:50	06:11	95	12:11	75S	18:10	265	18:31
2024	Oct	07	(Mon)	05:50	06:11	96	12:10	75S	18:09	264	18:30
2024	Oct	08	(Tue)	05:50	06:11	96	12:10	74S	18:09	264	18:30
2024	Oct	09	(Wed)	05:50	06:11	96	12:10	74S	18:08	263	18:29
2024	Oct	10	(Thu)	05:50	06:11	97	12:09	73S	18:08	263	18:29
2024	Oct	11	(Fri)	05:50	06:11	97	12:09	73S	18:07	263	18:28
2024	Oct	12	(Sat)	05:50	06:11	97	12:09	73S	18:07	262	18:28
2024	Oct	13	(Sun)	05:50	06:11	98	12:09	72S	18:06	262	18:27
2024	Oct	14	(Mon)	05:50	06:11	98	12:08	72S	18:06	262	18:27
2024	Oct	15	(Tue)	05:50	06:11	99	12:08	72S	18:05	261	18:26
2024	Oct	16	(Wed)	05:50	06:11	99	12:08	71S	18:05	261	18:26
2024	Oct	17	(Thu)	05:50	06:11	99	12:08	71S	18:04	260	18:25
2024	Oct	18	(Fri)	05:50	06:11	100	12:08	70S	18:04	260	18:25
2024	Oct	19	(Sat)	05:50	06:12	100	12:07	70S	18:03	260	18:24
2024	Oct	20	(Sun)	05:50	06:12	100	12:07	70S	18:03	259	18:24
2024	Oct	21	(Mon)	05:50	06:12	101	12:07	69S	18:02	259	18:24
2024	Oct	22	(Tue)	05:50	06:12	101	12:07	69S	18:02	259	18:23
2024	Oct	23	(Wed)	05:51	06:12	102	12:07	69S	18:01	258	18:23
2024	Oct	24	(Thu)	05:51	06:12	102	12:07	68S	18:01	258	18:23
2024	Oct	25	(Fri)	05:51	06:12	102	12:07	68S	18:01	258	18:22
2024	Oct	26	(Sat)	05:51	06:12	103	12:06	68S	18:00	257	18:22
2024	Oct	27	(Sun)	05:51	06:13	103	12:06	67S	18:00	257	18:22
2024	Oct	28	(Mon)	05:51	06:13	103	12:06	67S	18:00	257	18:21
2024	Oct	29	(Tue)	05:51	06:13	104	12:06	67S	17:59	256	18:21
2024	Oct	30	(Wed)	05:52	06:13	104	12:06	66S	17:59	256	18:21
2024	Oct	31	(Thu)	05:52	06:13	104	12:06	66S	17:59	256	18:20
2024	Nov	01	(Fri)	05:52	06:14	105	12:06	66S	17:59	255	18:20
2024	Nov	02	(Sat)	05:52	06:14	105	12:06	65S	17:58	255	18:20
2024	Nov	03	(Sun)	05:52	06:14	105	12:06	65S	17:58	255	18:20
2024	Nov	04	(Mon)	05:53	06:14	106	12:06	65S	17:58	254	18:20
2024	Nov	05	(Tue)	05:53	06:15	106	12:06	64S	17:58	254	18:19
2024	Nov	06	(Wed)	05:53	06:15	106	12:06	64S	17:57	254	18:19
2024	Nov	07	(Thu)	05:53	06:15	106	12:06	64S	17:57	253	18:19
2024	Nov	08	(Fri)	05:54	06:15	107	12:06	64S	17:57	253	18:19
2024	Nov	09	(Sat)	05:54	06:16	107	12:06	63S	17:57	253	18:19
2024	Nov	10	(Sun)	05:54	06:16	107	12:06	63S	17:57	253	18:19
2024	Nov	11	(Mon)	05:54	06:16	108	12:07	63S	17:57	252	18:19
2024	Nov	12	(Tue)	05:55	06:17	108	12:07	62S	17:57	252	18:19
2024	Nov	13	(Wed)	05:55	06:17	108	12:07	62S	17:57	252	18:19
2024	Nov	14	(Thu)	05:55	06:17	108	12:07	62S	17:56	251	18:19
2024	Nov	15	(Fri)	05:56	06:18	109	12:07	62S	17:56	251	18:19
2024	Nov	16	(Sat)	05:56	06:18	109	12:07	61S	17:56	251	18:19
2024	Nov	17	(Sun)	05:56	06:19	109	12:08	61S	17:56	251	18:19
2024	Nov	18	(Mon)	05:57	06:19	109	12:08	61S	17:56	250	18:19
2024	Nov	19	(Tue)	05:57	06:19	110	12:08	61S	17:56	250	18:19
2024	Nov	20	(Wed)	05:57	06:20	110	12:08	60S	17:57	250	18:19
2024	Nov	21	(Thu)	05:58	06:20	110	12:08	60S	17:57	250	18:19
2024	Nov	22	(Fri)	05:58	06:21	110	12:09	60S	17:57	250	18:19
2024	Nov	23	(Sat)	05:59	06:21	111	12:09	60S	17:57	249	18:19
2024	Nov	24	(Sun)	05:59	06:21	111	12:09	60S	17:57	249	18:19

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

Moon

Chumphon

Location: E 99°22'08.3", N10°28'37.2", 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)	22:38	81		04:14	88N		10:33	282	
2024 Jan 02 (Tue)	23:21	86		04:54	88S		11:09	277	
2024 Jan 03 (Wed)				05:33	82S		11:43	271	
2024 Jan 04 (Thu)	00:05	92		06:12	76S		12:18	265	
2024 Jan 05 (Fri)	00:49	98		06:53	71S		12:55	259	
2024 Jan 06 (Sat)	01:36	104		07:36	65S		13:34	254	
2024 Jan 07 (Sun)	02:26	109		08:22	60S		14:18	249	
2024 Jan 08 (Mon)	03:20	114		09:14	56S		15:07	245	
2024 Jan 09 (Tue)	04:19	117		10:11	53S		16:03	242	
2024 Jan 10 (Wed)	05:21	119		11:13	51S		17:04	241	
2024 Jan 11 (Thu)	06:25	118		12:17	52S		18:09	243	
2024 Jan 12 (Fri)	07:26	116		13:20	55S		19:15	246	
2024 Jan 13 (Sat)	08:22	111		14:19	60S		20:18	251	
2024 Jan 14 (Sun)	09:14	106		15:14	66S		21:17	258	
2024 Jan 15 (Mon)	10:01	99		16:06	73S		22:13	264	
2024 Jan 16 (Tue)	10:45	92		16:55	80S		23:07	272	
2024 Jan 17 (Wed)	11:27	85		17:42	87S				
2024 Jan 18 (Thu)	12:10	78		18:30	88N		00:00	279	
2024 Jan 19 (Fri)	12:54	72		19:20	82N		00:53	285	
2024 Jan 20 (Sat)	13:41	67		20:11	78N		01:48	290	
2024 Jan 21 (Sun)	14:31	64		21:05	75N		02:44	295	
2024 Jan 22 (Mon)	15:24	62		22:00	73N		03:41	297	
2024 Jan 23 (Tue)	16:19	61		22:55	73N		04:37	299	

2024	Jan	24	(Wed)	17:14	62	23:49	74N	05:32	298
2024	Jan	25	(Thu)	18:08	65			06:23	296
2024	Jan	26	(Fri)	18:59	69	00:39	77N	07:09	293
2024	Jan	27	(Sat)	19:47	73	01:26	81N	07:52	289
2024	Jan	28	(Sun)	20:33	79	02:10	86N	08:31	284
2024	Jan	29	(Mon)	21:17	84	02:51	90S	09:07	278
2024	Jan	30	(Tue)	22:00	90	03:31	84S	09:42	273
2024	Jan	31	(Wed)	22:44	96	04:09	78S	10:16	267
2024	Feb	01	(Thu)	23:28	102	04:49	73S	10:52	261
2024	Feb	02	(Fri)			05:30	67S	11:29	256
2024	Feb	03	(Sat)	00:16	107	06:14	62S	12:09	250
2024	Feb	04	(Sun)	01:07	112	07:02	57S	12:55	246
2024	Feb	05	(Mon)	02:02	116	07:55	54S	13:46	243
2024	Feb	06	(Tue)	03:02	118	08:53	52S	14:44	241
2024	Feb	07	(Wed)	04:04	119	09:55	51S	15:46	242
2024	Feb	08	(Thu)	05:06	117	10:58	53S	16:52	244
2024	Feb	09	(Fri)	06:05	114	12:00	57S	17:57	248
2024	Feb	10	(Sat)	07:00	109	12:58	63S	19:00	254
2024	Feb	11	(Sun)	07:50	102	13:53	70S	19:59	261
2024	Feb	12	(Mon)	08:37	95	14:45	77S	20:56	269
2024	Feb	13	(Tue)	09:21	88	15:35	84S	21:51	276
2024	Feb	14	(Wed)	10:06	80	16:25	90N	22:46	283
2024	Feb	15	(Thu)	10:51	74	17:15	84N	23:42	289
2024	Feb	16	(Fri)	11:38	69	18:07	79N		
2024	Feb	17	(Sat)	12:27	65	19:01	75N	00:39	294
2024	Feb	18	(Sun)	13:20	62	19:56	73N	01:36	297
2024	Feb	19	(Mon)	14:14	61	20:51	73N	02:33	299
2024	Feb	20	(Tue)	15:09	62	21:45	74N	03:28	299
2024	Feb	21	(Wed)	16:03	64	22:36	76N	04:20	297
2024	Feb	22	(Thu)	16:54	67	23:24	80N	05:07	294
2024	Feb	23	(Fri)	17:43	72			05:50	290
2024	Feb	24	(Sat)	18:30	77	00:08	84N	06:30	286
2024	Feb	25	(Sun)	19:14	82	00:50	90N	07:07	280
2024	Feb	26	(Mon)	19:58	88	01:29	86S	07:42	275
2024	Feb	27	(Tue)	20:41	94	02:08	80S	08:17	269
2024	Feb	28	(Wed)	21:25	100	02:47	74S	08:51	263
2024	Feb	29	(Thu)	22:11	106	03:27	69S	09:28	257
2024	Mar	01	(Fri)	23:00	110	04:10	63S	10:06	252
2024	Mar	02	(Sat)	23:53	115	04:55	59S	10:49	247
2024	Mar	03	(Sun)			05:45	55S	11:37	244
2024	Mar	04	(Mon)	00:49	118	06:40	52S	12:30	242
2024	Mar	05	(Tue)	01:48	119	07:38	51S	13:29	241
2024	Mar	06	(Wed)	02:48	119	08:39	52S	14:31	242
2024	Mar	07	(Thu)	03:47	116	09:40	55S	15:35	246
2024	Mar	08	(Fri)	04:43	112	10:39	60S	16:38	251
2024	Mar	09	(Sat)	05:35	106	11:35	66S	17:38	257
2024	Mar	10	(Sun)	06:23	99	12:29	73S	18:37	265
2024	Mar	11	(Mon)	07:10	91	13:21	81S	19:35	272
2024	Mar	12	(Tue)	07:55	84	14:12	88S	20:31	280
2024	Mar	13	(Wed)	08:41	77	15:04	86N	21:29	287
2024	Mar	14	(Thu)	09:29	71	15:57	81N	22:28	292
2024	Mar	15	(Fri)	10:20	66	16:52	76N	23:27	296
2024	Mar	16	(Sat)	11:13	63	17:49	73N		
2024	Mar	17	(Sun)	12:08	61	18:45	72N	00:26	298
2024	Mar	18	(Mon)	13:04	61	19:40	73N	01:23	299
2024	Mar	19	(Tue)	13:58	63	20:33	75N	02:16	298
2024	Mar	20	(Wed)	14:51	66	21:21	78N	03:05	296
2024	Mar	21	(Thu)	15:40	70	22:06	83N	03:50	292
2024	Mar	22	(Fri)	16:27	75	22:49	88N	04:30	287
2024	Mar	23	(Sat)	17:12	81	23:29	88S	05:08	282
2024	Mar	24	(Sun)	17:56	86			05:43	277
2024	Mar	25	(Mon)	18:39	92	00:08	82S	06:18	271
2024	Mar	26	(Tue)	19:23	98	00:47	76S	06:53	265
2024	Mar	27	(Wed)	20:09	104	01:27	70S	07:28	259
2024	Mar	28	(Thu)	20:57	109	02:08	65S	08:06	254
2024	Mar	29	(Fri)	21:48	113	02:53	60S	08:48	249
2024	Mar	30	(Sat)	22:42	117	03:41	56S	09:33	245
2024	Mar	31	(Sun)	23:39	119	04:34	53S	10:24	242
2024	Apr	01	(Mon)			05:30	51S	11:19	241
2024	Apr	02	(Tue)	00:38	119	06:28	51S	12:19	241
2024	Apr	03	(Wed)	01:35	117	07:27	53S	13:20	244
2024	Apr	04	(Thu)	02:30	114	08:25	57S	14:21	248

2024	Apr	05	(Fri)	03:22	109	09:20	63S	15:21	254
2024	Apr	06	(Sat)	04:11	103	10:13	69S	16:19	261
2024	Apr	07	(Sun)	04:57	95	11:05	76S	17:16	268
2024	Apr	08	(Mon)	05:42	88	11:56	84S	18:12	276
2024	Apr	09	(Tue)	06:28	80	12:48	90N	19:10	283
2024	Apr	10	(Wed)	07:16	74	13:41	83N	20:10	289
2024	Apr	11	(Thu)	08:06	68	14:37	78N	21:10	294
2024	Apr	12	(Fri)	09:00	64	15:35	74N	22:12	298
2024	Apr	13	(Sat)	09:56	61	16:34	73N	23:12	299
2024	Apr	14	(Sun)	10:54	61	17:31	73N		
2024	Apr	15	(Mon)	11:51	62	18:26	74N	00:08	299
2024	Apr	16	(Tue)	12:45	65	19:17	77N	01:00	297
2024	Apr	17	(Wed)	13:36	69	20:04	81N	01:47	293
2024	Apr	18	(Thu)	14:24	73	20:47	86N	02:29	289
2024	Apr	19	(Fri)	15:10	79	21:28	90S	03:08	284
2024	Apr	20	(Sat)	15:53	84	22:07	84S	03:44	279
2024	Apr	21	(Sun)	16:37	90	22:46	78S	04:18	273
2024	Apr	22	(Mon)	17:21	96	23:25	72S	04:53	267
2024	Apr	23	(Tue)	18:06	102			05:28	261
2024	Apr	24	(Wed)	18:53	107	00:07	67S	06:06	255
2024	Apr	25	(Thu)	19:44	112	00:51	62S	06:46	250
2024	Apr	26	(Fri)	20:38	116	01:38	57S	07:31	246
2024	Apr	27	(Sat)	21:34	118	02:30	54S	08:20	243
2024	Apr	28	(Sun)	22:33	119	03:25	52S	09:15	241
2024	Apr	29	(Mon)	23:30	118	04:22	51S	10:13	241
2024	Apr	30	(Tue)			05:21	53S	11:13	243
2024	May	01	(Wed)	00:25	115	06:18	56S	12:12	247
2024	May	02	(Thu)	01:16	111	07:12	60S	13:11	252
2024	May	03	(Fri)	02:04	105	08:04	66S	14:07	258
2024	May	04	(Sat)	02:49	99	08:55	73S	15:02	265
2024	May	05	(Sun)	03:33	91	09:44	81S	15:57	272
2024	May	06	(Mon)	04:17	84	10:34	88S	16:53	280
2024	May	07	(Tue)	05:03	77	11:26	87N	17:51	286
2024	May	08	(Wed)	05:52	71	12:20	81N	18:51	292
2024	May	09	(Thu)	06:44	66	13:18	76N	19:53	296
2024	May	10	(Fri)	07:40	62	14:17	73N	20:55	298
2024	May	11	(Sat)	08:39	61	15:17	72N	21:55	299
2024	May	12	(Sun)	09:38	62	16:15	73N	22:50	298
2024	May	13	(Mon)	10:34	64	17:08	76N	23:40	295
2024	May	14	(Tue)	11:28	67	17:58	80N		
2024	May	15	(Wed)	12:18	72	18:43	84N	00:25	291
2024	May	16	(Thu)	13:05	77	19:25	89N	01:05	286
2024	May	17	(Fri)	13:49	82	20:05	86S	01:42	281
2024	May	18	(Sat)	14:33	88	20:44	81S	02:18	275
2024	May	19	(Sun)	15:16	94	21:23	75S	02:52	269
2024	May	20	(Mon)	16:01	100	22:03	69S	03:27	263
2024	May	21	(Tue)	16:47	105	22:46	63S	04:04	257
2024	May	22	(Wed)	17:37	110	23:33	59S	04:43	252
2024	May	23	(Thu)	18:31	115			05:27	247
2024	May	24	(Fri)	19:27	118	00:24	55S	06:15	244
2024	May	25	(Sat)	20:26	119	01:18	52S	07:09	242
2024	May	26	(Sun)	21:25	118	02:16	51S	08:07	241
2024	May	27	(Mon)	22:21	116	03:15	52S	09:07	242
2024	May	28	(Tue)	23:13	112	04:13	55S	10:07	246
2024	May	29	(Wed)			05:09	59S	11:06	250
2024	May	30	(Thu)	00:02	107	06:01	65S	12:02	256
2024	May	31	(Fri)	00:47	101	06:50	71S	12:56	263
2024	Jun	01	(Sat)	01:30	94	07:39	78S	13:50	270
2024	Jun	02	(Sun)	02:13	87	08:27	85S	14:43	277
2024	Jun	03	(Mon)	02:56	80	09:16	89N	15:39	284
2024	Jun	04	(Tue)	03:42	73	10:08	83N	16:36	290
2024	Jun	05	(Wed)	04:32	68	11:03	78N	17:36	294
2024	Jun	06	(Thu)	05:26	64	12:01	74N	18:38	298
2024	Jun	07	(Fri)	06:23	62	13:01	73N	19:39	299
2024	Jun	08	(Sat)	07:22	61	14:00	73N	20:37	298
2024	Jun	09	(Sun)	08:21	63	14:56	75N	21:30	296
2024	Jun	10	(Mon)	09:17	66	15:49	78N	22:18	292
2024	Jun	11	(Tue)	10:09	70	16:36	82N	23:01	288
2024	Jun	12	(Wed)	10:58	75	17:20	87N	23:39	283
2024	Jun	13	(Thu)	11:44	80	18:01	88S		
2024	Jun	14	(Fri)	12:28	86	18:40	83S	00:15	277
2024	Jun	15	(Sat)	13:11	92	19:19	77S	00:50	271

2024 Jun 16 (Sun)	13:55 98	19:58 71S	01:25 265
2024 Jun 17 (Mon)	14:40 103	20:40 65S	02:00 260
2024 Jun 18 (Tue)	15:28 109	21:25 60S	02:38 254
2024 Jun 19 (Wed)	16:20 113	22:14 56S	03:20 249
2024 Jun 20 (Thu)	17:16 117	23:08 53S	04:07 245
2024 Jun 21 (Fri)	18:15 119		04:59 242
2024 Jun 22 (Sat)	19:15 119	00:06 51S	05:56 241
2024 Jun 23 (Sun)	20:13 117	01:06 52S	06:57 242
2024 Jun 24 (Mon)	21:08 114	02:06 54S	07:59 244
2024 Jun 25 (Tue)	21:59 109	03:03 58S	08:59 249
2024 Jun 26 (Wed)	22:46 102	03:57 63S	09:57 254
2024 Jun 27 (Thu)	23:30 96	04:48 69S	10:53 261
2024 Jun 28 (Fri)		05:37 76S	11:46 268
2024 Jun 29 (Sat)	00:12 89	06:24 83S	12:39 275
2024 Jun 30 (Sun)	00:54 82	07:12 90S	13:33 282
2024 Jul 01 (Mon)	01:39 75	08:02 85N	14:28 288
2024 Jul 02 (Tue)	02:26 70	08:55 80N	15:26 293
2024 Jul 03 (Wed)	03:17 65	09:51 76N	16:26 297
2024 Jul 04 (Thu)	04:12 62	10:49 73N	17:27 299
2024 Jul 05 (Fri)	05:10 61	11:48 73N	18:25 299
2024 Jul 06 (Sat)	06:09 62	12:45 74N	19:20 297
2024 Jul 07 (Sun)	07:06 64	13:39 77N	20:10 294
2024 Jul 08 (Mon)	08:00 68	14:28 81N	20:55 290
2024 Jul 09 (Tue)	08:50 73	15:14 85N	21:35 285
2024 Jul 10 (Wed)	09:37 78	15:56 91S	22:13 279
2024 Jul 11 (Thu)	10:22 84	16:36 85S	22:48 273
2024 Jul 12 (Fri)	11:05 90	17:15 79S	23:22 267
2024 Jul 13 (Sat)	11:49 96	17:54 73S	23:57 262
2024 Jul 14 (Sun)	12:33 101	18:34 67S	
2024 Jul 15 (Mon)	13:19 107	19:17 62S	00:34 256
2024 Jul 16 (Tue)	14:09 111	20:04 58S	01:13 251
2024 Jul 17 (Wed)	15:03 115	20:55 54S	01:57 247
2024 Jul 18 (Thu)	16:00 118	21:51 52S	02:46 243
2024 Jul 19 (Fri)	17:00 119	22:50 51S	03:41 241
2024 Jul 20 (Sat)	18:00 118	23:51 53S	04:41 241
2024 Jul 21 (Sun)	18:58 115		05:44 243
2024 Jul 22 (Mon)	19:51 111	00:51 56S	06:47 247
2024 Jul 23 (Tue)	20:41 105	01:48 61S	07:47 252
2024 Jul 24 (Wed)	21:27 98	02:42 67S	08:45 259
2024 Jul 25 (Thu)	22:10 91	03:32 74S	09:41 266
2024 Jul 26 (Fri)	22:53 84	04:21 81S	10:35 273
2024 Jul 27 (Sat)	23:37 77	05:10 88S	11:29 280
2024 Jul 28 (Sun)		05:59 87N	12:24 286
2024 Jul 29 (Mon)	00:24 71	06:51 81N	13:21 292
2024 Jul 30 (Tue)	01:13 66	07:45 76N	14:20 296
2024 Jul 31 (Wed)	02:06 63	08:42 74N	15:19 298
2024 Aug 01 (Thu)	03:02 61	09:40 72N	16:18 299
2024 Aug 02 (Fri)	04:00 61	10:37 73N	17:13 298
2024 Aug 03 (Sat)	04:57 63	11:32 75N	18:04 295
2024 Aug 04 (Sun)	05:52 67	12:22 79N	18:51 291
2024 Aug 05 (Mon)	06:43 71	13:09 84N	19:32 286
2024 Aug 06 (Tue)	07:31 76	13:52 89N	20:11 281
2024 Aug 07 (Wed)	08:17 82	14:33 87S	20:46 275
2024 Aug 08 (Thu)	09:01 88	15:12 81S	21:21 269
2024 Aug 09 (Fri)	09:44 93	15:51 75S	21:55 264
2024 Aug 10 (Sat)	10:28 99	16:30 69S	22:31 258
2024 Aug 11 (Sun)	11:13 105	17:12 64S	23:09 253
2024 Aug 12 (Mon)	12:00 110	17:56 59S	23:50 248
2024 Aug 13 (Tue)	12:51 114	18:44 55S	
2024 Aug 14 (Wed)	13:46 117	19:37 52S	00:36 244
2024 Aug 15 (Thu)	14:44 119	20:34 51S	01:27 242
2024 Aug 16 (Fri)	15:43 119	21:34 52S	02:24 241
2024 Aug 17 (Sat)	16:42 117	22:34 54S	03:25 242
2024 Aug 18 (Sun)	17:37 113	23:33 58S	04:28 245
2024 Aug 19 (Mon)	18:29 108		05:30 249
2024 Aug 20 (Tue)	19:18 101	00:29 64S	06:30 255
2024 Aug 21 (Wed)	20:04 94	01:22 71S	07:28 263
2024 Aug 22 (Thu)	20:48 86	02:13 78S	08:25 270
2024 Aug 23 (Fri)	21:33 79	03:03 86S	09:21 278
2024 Aug 24 (Sat)	22:20 73	03:54 89N	10:17 284
2024 Aug 25 (Sun)	23:09 67	04:46 82N	11:15 290
2024 Aug 26 (Mon)		05:41 77N	12:14 295

2024 Aug 27 (Tue)	00:02 63	06:37 74N	13:14 298
2024 Aug 28 (Wed)	00:58 61	07:35 72N	14:13 299
2024 Aug 29 (Thu)	01:55 61	08:33 73N	15:09 298
2024 Aug 30 (Fri)	02:52 62	09:27 74N	16:01 296
2024 Aug 31 (Sat)	03:47 65	10:19 78N	16:49 293
2024 Sep 01 (Sun)	04:39 69	11:06 82N	17:31 288
2024 Sep 02 (Mon)	05:28 74	11:50 87N	18:10 283
2024 Sep 03 (Tue)	06:14 80	12:31 89S	18:46 277
2024 Sep 04 (Wed)	06:58 86	13:11 83S	19:21 271
2024 Sep 05 (Thu)	07:41 91	13:49 77S	19:55 266
2024 Sep 06 (Fri)	08:24 97	14:28 71S	20:30 260
2024 Sep 07 (Sat)	09:09 103	15:09 66S	21:07 254
2024 Sep 08 (Sun)	09:55 108	15:52 61S	21:46 250
2024 Sep 09 (Mon)	10:44 113	16:38 57S	22:30 246
2024 Sep 10 (Tue)	11:36 116	17:28 53S	23:18 243
2024 Sep 11 (Wed)	12:32 118	18:21 51S	
2024 Sep 12 (Thu)	13:29 119	19:19 51S	00:11 241
2024 Sep 13 (Fri)	14:26 118	20:17 52S	01:09 241
2024 Sep 14 (Sat)	15:22 115	21:15 56S	02:09 243
2024 Sep 15 (Sun)	16:15 111	22:12 61S	03:10 247
2024 Sep 16 (Mon)	17:05 105	23:06 67S	04:11 252
2024 Sep 17 (Tue)	17:52 98	23:58 74S	05:10 259
2024 Sep 18 (Wed)	18:38 90		06:08 266
2024 Sep 19 (Thu)	19:23 82	00:50 82S	07:05 274
2024 Sep 20 (Fri)	20:11 75	01:42 90S	08:03 281
2024 Sep 21 (Sat)	21:01 69	02:35 85N	09:02 288
2024 Sep 22 (Sun)	21:54 65	03:31 79N	10:03 293
2024 Sep 23 (Mon)	22:51 62	04:29 75N	11:05 297
2024 Sep 24 (Tue)	23:49 61	05:28 73N	12:06 299
2024 Sep 25 (Wed)		06:27 72N	13:05 299
2024 Sep 26 (Thu)	00:47 62	07:23 74N	13:59 297
2024 Sep 27 (Fri)	01:43 64	08:16 76N	14:47 294
2024 Sep 28 (Sat)	02:36 68	09:04 80N	15:31 290
2024 Sep 29 (Sun)	03:25 73	09:49 85N	16:11 285
2024 Sep 30 (Mon)	04:12 78	10:31 91N	16:47 279
2024 Oct 01 (Tue)	04:56 84	11:10 85S	17:22 273
2024 Oct 02 (Wed)	05:39 90	11:49 79S	17:57 268
2024 Oct 03 (Thu)	06:23 95	12:28 73S	18:31 262
2024 Oct 04 (Fri)	07:07 101	13:08 68S	19:07 256
2024 Oct 05 (Sat)	07:52 107	13:50 62S	19:46 251
2024 Oct 06 (Sun)	08:40 111	14:35 58S	20:28 247
2024 Oct 07 (Mon)	09:31 115	15:23 54S	21:14 243
2024 Oct 08 (Tue)	10:25 118	16:15 52S	22:04 241
2024 Oct 09 (Wed)	11:20 119	17:10 51S	22:59 241
2024 Oct 10 (Thu)	12:16 119	18:06 52S	23:57 242
2024 Oct 11 (Fri)	13:11 117	19:03 54S	
2024 Oct 12 (Sat)	14:03 113	19:58 58S	00:56 245
2024 Oct 13 (Sun)	14:53 108	20:51 64S	01:55 249
2024 Oct 14 (Mon)	15:39 101	21:43 71S	02:52 255
2024 Oct 15 (Tue)	16:25 94	22:34 78S	03:49 262
2024 Oct 16 (Wed)	17:10 86	23:25 86S	04:46 270
2024 Oct 17 (Thu)	17:57 79		05:43 277
2024 Oct 18 (Fri)	18:46 72	00:18 88N	06:42 285
2024 Oct 19 (Sat)	19:40 67	01:14 82N	07:44 291
2024 Oct 20 (Sun)	20:37 63	02:13 77N	08:48 296
2024 Oct 21 (Mon)	21:37 61	03:14 74N	09:52 298
2024 Oct 22 (Tue)	22:37 61	04:15 72N	10:54 299
2024 Oct 23 (Wed)	23:35 63	05:15 73N	11:51 298
2024 Oct 24 (Thu)		06:10 75N	12:43 295
2024 Oct 25 (Fri)	00:30 67	07:01 79N	13:29 291
2024 Oct 26 (Sat)	01:22 71	07:47 84N	14:10 286
2024 Oct 27 (Sun)	02:09 76	08:30 89N	14:48 281
2024 Oct 28 (Mon)	02:54 82	09:10 87S	15:23 275
2024 Oct 29 (Tue)	03:38 88	09:49 81S	15:58 269
2024 Oct 30 (Wed)	04:21 94	10:27 75S	16:32 264
2024 Oct 31 (Thu)	05:04 99	11:07 69S	17:08 258
2024 Nov 01 (Fri)	05:50 105	11:48 64S	17:45 253
2024 Nov 02 (Sat)	06:37 110	12:33 59S	18:26 248
2024 Nov 03 (Sun)	07:27 114	13:20 55S	19:11 244
2024 Nov 04 (Mon)	08:21 117	14:11 53S	20:01 242
2024 Nov 05 (Tue)	09:16 119	15:05 51S	20:54 241
2024 Nov 06 (Wed)	10:11 119	16:01 51S	21:51 241

2024 Nov 07 (Thu)	11:06 117	16:57 53S	22:48 244
2024 Nov 08 (Fri)	11:58 114	17:51 57S	23:46 248
2024 Nov 09 (Sat)	12:46 110	18:43 62S	
2024 Nov 10 (Sun)	13:32 104	19:33 68S	00:42 253
2024 Nov 11 (Mon)	14:16 97	20:22 75S	01:37 259
2024 Nov 12 (Tue)	15:00 90	21:11 82S	02:31 266
2024 Nov 13 (Wed)	15:44 83	22:02 89S	03:26 274
2024 Nov 14 (Thu)	16:31 76	22:55 85N	04:22 281
2024 Nov 15 (Fri)	17:22 69	23:52 79N	05:22 288
2024 Nov 16 (Sat)	18:18 65		06:25 293
2024 Nov 17 (Sun)	19:18 62	00:53 75N	07:30 297
2024 Nov 18 (Mon)	20:20 61	01:56 73N	08:35 299
2024 Nov 19 (Tue)	21:21 62	02:59 72N	09:37 299
2024 Nov 20 (Wed)	22:20 65	03:58 74N	10:33 296
2024 Nov 21 (Thu)	23:14 69	04:52 77N	11:23 293
2024 Nov 22 (Fri)		05:41 82N	12:07 288
2024 Nov 23 (Sat)	00:04 74	06:26 87N	12:46 283
2024 Nov 24 (Sun)	00:50 80	07:08 89S	13:23 277
2024 Nov 25 (Mon)	01:34 86	07:47 83S	13:58 271
2024 Nov 26 (Tue)	02:18 92	08:26 77S	14:32 266
2024 Nov 27 (Wed)	03:01 97	09:05 71S	15:07 260
2024 Nov 28 (Thu)	03:45 103	09:46 66S	15:44 254
2024 Nov 29 (Fri)	04:32 108	10:29 61S	16:24 250
2024 Nov 30 (Sat)	05:22 113	11:15 57S	17:08 246
2024 Dec 01 (Sun)	06:15 116	12:06 53S	17:56 243
2024 Dec 02 (Mon)	07:10 118	13:00 52S	18:49 241
2024 Dec 03 (Tue)	08:06 119	13:56 51S	19:46 241
2024 Dec 04 (Wed)	09:02 118	14:52 53S	20:44 243
2024 Dec 05 (Thu)	09:55 115	15:47 56S	21:41 247
2024 Dec 06 (Fri)	10:44 111	16:40 60S	22:37 251
2024 Dec 07 (Sat)	11:30 106	17:30 66S	23:32 257
2024 Dec 08 (Sun)	12:13 99	18:18 72S	
2024 Dec 09 (Mon)	12:56 93	19:05 79S	00:24 264
2024 Dec 10 (Tue)	13:38 85	19:53 86S	01:17 271
2024 Dec 11 (Wed)	14:22 79	20:43 88N	02:11 278
2024 Dec 12 (Thu)	15:09 72	21:36 82N	03:07 285
2024 Dec 13 (Fri)	16:01 67	22:34 77N	04:06 291
2024 Dec 14 (Sat)	16:58 63	23:35 74N	05:09 295
2024 Dec 15 (Sun)	18:00 61		06:14 298
2024 Dec 16 (Mon)	19:02 61	00:38 72N	07:17 299
2024 Dec 17 (Tue)	20:03 64	01:40 73N	08:17 298
2024 Dec 18 (Wed)	21:01 67	02:38 76N	09:11 295
2024 Dec 19 (Thu)	21:54 72	03:31 80N	09:59 290
2024 Dec 20 (Fri)	22:43 78	04:19 85N	10:41 285
2024 Dec 21 (Sat)	23:28 83	05:02 90N	11:19 279
2024 Dec 22 (Sun)		05:43 85S	11:55 274
2024 Dec 23 (Mon)	00:12 89	06:22 79S	12:30 268
2024 Dec 24 (Tue)	00:56 95	07:01 73S	13:05 262
2024 Dec 25 (Wed)	01:40 101	07:41 68S	13:41 256
2024 Dec 26 (Thu)	02:25 106	08:23 63S	14:19 251
2024 Dec 27 (Fri)	03:14 111	09:08 58S	15:01 247
2024 Dec 28 (Sat)	04:05 115	09:57 54S	15:48 244
2024 Dec 29 (Sun)	05:00 118	10:50 52S	16:40 242
2024 Dec 30 (Mon)	05:57 119	11:46 51S	17:36 241
2024 Dec 31 (Tue)	06:54 118	12:44 52S	18:35 242