

Sun

Suphan Buri

Location: E100°06'57.5", N14°28'15.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2024	Jan	01 (Mon)	05:54	06:44	114	12:23	53S	18:01	246	18:51
2024	Jan	02 (Tue)	05:55	06:44	114	12:23	53S	18:02	246	18:52
2024	Jan	03 (Wed)	05:55	06:45	113	12:24	53S	18:03	247	18:52
2024	Jan	04 (Thu)	05:55	06:45	113	12:24	53S	18:03	247	18:53
2024	Jan	05 (Fri)	05:56	06:46	113	12:25	54S	18:04	247	18:53
2024	Jan	06 (Sat)	05:56	06:46	113	12:25	54S	18:04	247	18:54
2024	Jan	07 (Sun)	05:56	06:46	113	12:25	54S	18:05	247	18:55
2024	Jan	08 (Mon)	05:57	06:46	113	12:26	54S	18:05	247	18:55
2024	Jan	09 (Tue)	05:57	06:47	113	12:26	54S	18:06	247	18:56
2024	Jan	10 (Wed)	05:57	06:47	113	12:27	54S	18:07	247	18:56
2024	Jan	11 (Thu)	05:58	06:47	112	12:27	54S	18:07	248	18:57
2024	Jan	12 (Fri)	05:58	06:47	112	12:28	55S	18:08	248	18:57
2024	Jan	13 (Sat)	05:58	06:48	112	12:28	55S	18:08	248	18:58
2024	Jan	14 (Sun)	05:58	06:48	112	12:28	55S	18:09	248	18:58
2024	Jan	15 (Mon)	05:59	06:48	112	12:29	55S	18:10	248	18:59
2024	Jan	16 (Tue)	05:59	06:48	112	12:29	55S	18:10	249	18:59
2024	Jan	17 (Wed)	05:59	06:48	111	12:29	55S	18:11	249	19:00
2024	Jan	18 (Thu)	05:59	06:48	111	12:30	56S	18:11	249	19:00
2024	Jan	19 (Fri)	05:59	06:48	111	12:30	56S	18:12	249	19:01
2024	Jan	20 (Sat)	06:00	06:48	111	12:30	56S	18:12	249	19:01
2024	Jan	21 (Sun)	06:00	06:49	111	12:31	56S	18:13	250	19:02
2024	Jan	22 (Mon)	06:00	06:49	110	12:31	56S	18:13	250	19:02
2024	Jan	23 (Tue)	06:00	06:49	110	12:31	57S	18:14	250	19:03
2024	Jan	24 (Wed)	06:00	06:49	110	12:31	57S	18:14	250	19:03
2024	Jan	25 (Thu)	06:00	06:49	110	12:32	57S	18:15	251	19:03
2024	Jan	26 (Fri)	06:00	06:48	109	12:32	57S	18:15	251	19:04
2024	Jan	27 (Sat)	06:00	06:48	109	12:32	58S	18:16	251	19:04
2024	Jan	28 (Sun)	06:00	06:48	109	12:32	58S	18:16	251	19:05
2024	Jan	29 (Mon)	06:00	06:48	109	12:32	58S	18:17	252	19:05
2024	Jan	30 (Tue)	06:00	06:48	108	12:33	58S	18:17	252	19:06
2024	Jan	31 (Wed)	06:00	06:48	108	12:33	59S	18:18	252	19:06
2024	Feb	01 (Thu)	06:00	06:48	108	12:33	59S	18:18	252	19:06
2024	Feb	02 (Fri)	06:00	06:48	107	12:33	59S	18:19	253	19:07
2024	Feb	03 (Sat)	06:00	06:47	107	12:33	60S	18:19	253	19:07
2024	Feb	04 (Sun)	05:59	06:47	107	12:33	60S	18:20	253	19:07
2024	Feb	05 (Mon)	05:59	06:47	106	12:33	60S	18:20	254	19:08
2024	Feb	06 (Tue)	05:59	06:47	106	12:34	60S	18:20	254	19:08
2024	Feb	07 (Wed)	05:59	06:46	106	12:34	61S	18:21	254	19:09
2024	Feb	08 (Thu)	05:59	06:46	106	12:34	61S	18:21	255	19:09
2024	Feb	09 (Fri)	05:58	06:46	105	12:34	61S	18:22	255	19:09
2024	Feb	10 (Sat)	05:58	06:46	105	12:34	62S	18:22	255	19:09
2024	Feb	11 (Sun)	05:58	06:45	105	12:34	62S	18:22	256	19:10
2024	Feb	12 (Mon)	05:58	06:45	104	12:34	62S	18:23	256	19:10
2024	Feb	13 (Tue)	05:57	06:45	104	12:34	63S	18:23	256	19:10
2024	Feb	14 (Wed)	05:57	06:44	103	12:34	63S	18:23	257	19:11
2024	Feb	15 (Thu)	05:57	06:44	103	12:34	63S	18:24	257	19:11
2024	Feb	16 (Fri)	05:56	06:43	103	12:34	64S	18:24	257	19:11
2024	Feb	17 (Sat)	05:56	06:43	102	12:34	64S	18:24	258	19:11
2024	Feb	18 (Sun)	05:56	06:42	102	12:33	64S	18:25	258	19:12
2024	Feb	19 (Mon)	05:55	06:42	102	12:33	65S	18:25	258	19:12
2024	Feb	20 (Tue)	05:55	06:42	101	12:33	65S	18:25	259	19:12
2024	Feb	21 (Wed)	05:54	06:41	101	12:33	66S	18:26	259	19:12
2024	Feb	22 (Thu)	05:54	06:41	101	12:33	66S	18:26	260	19:13
2024	Feb	23 (Fri)	05:53	06:40	100	12:33	66S	18:26	260	19:13
2024	Feb	24 (Sat)	05:53	06:40	100	12:33	67S	18:26	260	19:13
2024	Feb	25 (Sun)	05:52	06:39	99	12:33	67S	18:27	261	19:13
2024	Feb	26 (Mon)	05:52	06:38	99	12:33	67S	18:27	261	19:13
2024	Feb	27 (Tue)	05:51	06:38	99	12:32	68S	18:27	262	19:14
2024	Feb	28 (Wed)	05:51	06:37	98	12:32	68S	18:27	262	19:14
2024	Feb	29 (Thu)	05:50	06:37	98	12:32	68S	18:27	262	19:14

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

2024	May	12	(Sun)	05:03	05:53	71	12:16	87N	18:39	289	19:29
2024	May	13	(Mon)	05:03	05:53	71	12:16	87N	18:39	289	19:29
2024	May	14	(Tue)	05:03	05:52	70	12:16	86N	18:40	290	19:29
2024	May	15	(Wed)	05:02	05:52	70	12:16	86N	18:40	290	19:30
2024	May	16	(Thu)	05:02	05:52	70	12:16	86N	18:40	290	19:30
2024	May	17	(Fri)	05:02	05:51	70	12:16	86N	18:41	290	19:30
2024	May	18	(Sat)	05:01	05:51	69	12:16	86N	18:41	291	19:31
2024	May	19	(Sun)	05:01	05:51	69	12:16	85N	18:41	291	19:31
2024	May	20	(Mon)	05:01	05:51	69	12:16	85N	18:42	291	19:32
2024	May	21	(Tue)	05:01	05:51	69	12:16	85N	18:42	291	19:32
2024	May	22	(Wed)	05:00	05:50	69	12:16	85N	18:42	291	19:32
2024	May	23	(Thu)	05:00	05:50	68	12:16	85N	18:42	292	19:33
2024	May	24	(Fri)	05:00	05:50	68	12:16	84N	18:43	292	19:33
2024	May	25	(Sat)	05:00	05:50	68	12:17	84N	18:43	292	19:34
2024	May	26	(Sun)	04:59	05:50	68	12:17	84N	18:43	292	19:34
2024	May	27	(Mon)	04:59	05:50	68	12:17	84N	18:44	292	19:34
2024	May	28	(Tue)	04:59	05:50	68	12:17	84N	18:44	293	19:35
2024	May	29	(Wed)	04:59	05:50	67	12:17	83N	18:44	293	19:35
2024	May	30	(Thu)	04:59	05:50	67	12:17	83N	18:45	293	19:35
2024	May	31	(Fri)	04:59	05:50	67	12:17	83N	18:45	293	19:36
2024	Jun	01	(Sat)	04:59	05:50	67	12:17	83N	18:45	293	19:36
2024	Jun	02	(Sun)	04:59	05:50	67	12:18	83N	18:46	293	19:37
2024	Jun	03	(Mon)	04:59	05:50	67	12:18	83N	18:46	293	19:37
2024	Jun	04	(Tue)	04:59	05:50	67	12:18	83N	18:46	294	19:37
2024	Jun	05	(Wed)	04:59	05:50	66	12:18	83N	18:47	294	19:38
2024	Jun	06	(Thu)	04:59	05:50	66	12:18	82N	18:47	294	19:38
2024	Jun	07	(Fri)	04:59	05:50	66	12:18	82N	18:47	294	19:38
2024	Jun	08	(Sat)	04:59	05:50	66	12:19	82N	18:48	294	19:39
2024	Jun	09	(Sun)	04:59	05:50	66	12:19	82N	18:48	294	19:39
2024	Jun	10	(Mon)	04:59	05:50	66	12:19	82N	18:48	294	19:39
2024	Jun	11	(Tue)	04:59	05:50	66	12:19	82N	18:48	294	19:40
2024	Jun	12	(Wed)	04:59	05:50	66	12:19	82N	18:49	294	19:40
2024	Jun	13	(Thu)	04:59	05:50	66	12:20	82N	18:49	294	19:40
2024	Jun	14	(Fri)	04:59	05:51	66	12:20	82N	18:49	294	19:41
2024	Jun	15	(Sat)	04:59	05:51	66	12:20	82N	18:49	294	19:41
2024	Jun	16	(Sun)	04:59	05:51	66	12:20	82N	18:50	294	19:41
2024	Jun	17	(Mon)	05:00	05:51	66	12:21	82N	18:50	294	19:41
2024	Jun	18	(Tue)	05:00	05:51	66	12:21	82N	18:50	294	19:42
2024	Jun	19	(Wed)	05:00	05:51	66	12:21	82N	18:50	294	19:42
2024	Jun	20	(Thu)	05:00	05:52	66	12:21	82N	18:51	294	19:42
2024	Jun	21	(Fri)	05:00	05:52	66	12:21	82N	18:51	294	19:42
2024	Jun	22	(Sat)	05:01	05:52	66	12:22	82N	18:51	294	19:43
2024	Jun	23	(Sun)	05:01	05:52	66	12:22	82N	18:51	294	19:43
2024	Jun	24	(Mon)	05:01	05:53	66	12:22	82N	18:51	294	19:43
2024	Jun	25	(Tue)	05:01	05:53	66	12:22	82N	18:52	294	19:43
2024	Jun	26	(Wed)	05:02	05:53	66	12:22	82N	18:52	294	19:43
2024	Jun	27	(Thu)	05:02	05:53	66	12:23	82N	18:52	294	19:43
2024	Jun	28	(Fri)	05:02	05:54	66	12:23	82N	18:52	294	19:44
2024	Jun	29	(Sat)	05:02	05:54	66	12:23	82N	18:52	294	19:44
2024	Jun	30	(Sun)	05:03	05:54	66	12:23	82N	18:52	294	19:44
2024	Jul	01	(Mon)	05:03	05:54	66	12:23	82N	18:52	294	19:44
2024	Jul	02	(Tue)	05:03	05:55	66	12:24	82N	18:53	294	19:44
2024	Jul	03	(Wed)	05:04	05:55	66	12:24	82N	18:53	294	19:44
2024	Jul	04	(Thu)	05:04	05:55	66	12:24	82N	18:53	294	19:44
2024	Jul	05	(Fri)	05:04	05:56	66	12:24	82N	18:53	294	19:44
2024	Jul	06	(Sat)	05:05	05:56	66	12:24	83N	18:53	294	19:44
2024	Jul	07	(Sun)	05:05	05:56	66	12:25	83N	18:53	294	19:44
2024	Jul	08	(Mon)	05:05	05:56	67	12:25	83N	18:53	293	19:44
2024	Jul	09	(Tue)	05:06	05:57	67	12:25	83N	18:53	293	19:44
2024	Jul	10	(Wed)	05:06	05:57	67	12:25	83N	18:53	293	19:44
2024	Jul	11	(Thu)	05:06	05:57	67	12:25	83N	18:53	293	19:44
2024	Jul	12	(Fri)	05:07	05:58	67	12:25	83N	18:53	293	19:44
2024	Jul	13	(Sat)	05:07	05:58	67	12:25	83N	18:53	293	19:43
2024	Jul	14	(Sun)	05:08	05:58	67	12:25	84N	18:53	293	19:43
2024	Jul	15	(Mon)	05:08	05:59	68	12:26	84N	18:53	292	19:43
2024	Jul	16	(Tue)	05:08	05:59	68	12:26	84N	18:52	292	19:43
2024	Jul	17	(Wed)	05:09	05:59	68	12:26	84N	18:52	292	19:43
2024	Jul	18	(Thu)	05:09	05:59	68	12:26	84N	18:52	292	19:42
2024	Jul	19	(Fri)	05:09	06:00	68	12:26	84N	18:52	292	19:42
2024	Jul	20	(Sat)	05:10	06:00	68	12:26	85N	18:52	291	19:42
2024	Jul	21	(Sun)	05:10	06:00	69	12:26	85N	18:52	291	19:42
2024	Jul	22	(Mon)	05:10	06:01	69	12:26	85N	18:51	291	19:41

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

2024	Oct	03	(Thu)	05:23	06:09	94	12:08	72S	18:07	266	18:54
2024	Oct	04	(Fri)	05:23	06:09	94	12:08	72S	18:07	265	18:53
2024	Oct	05	(Sat)	05:23	06:10	95	12:08	71S	18:06	265	18:52
2024	Oct	06	(Sun)	05:23	06:10	95	12:08	71S	18:05	265	18:52
2024	Oct	07	(Mon)	05:23	06:10	96	12:07	71S	18:05	264	18:51
2024	Oct	08	(Tue)	05:24	06:10	96	12:07	70S	18:04	264	18:50
2024	Oct	09	(Wed)	05:24	06:10	96	12:07	70S	18:03	263	18:50
2024	Oct	10	(Thu)	05:24	06:10	97	12:06	69S	18:03	263	18:49
2024	Oct	11	(Fri)	05:24	06:10	97	12:06	69S	18:02	263	18:48
2024	Oct	12	(Sat)	05:24	06:10	98	12:06	69S	18:01	262	18:48
2024	Oct	13	(Sun)	05:24	06:10	98	12:06	68S	18:01	262	18:47
2024	Oct	14	(Mon)	05:24	06:11	98	12:05	68S	18:00	262	18:47
2024	Oct	15	(Tue)	05:24	06:11	99	12:05	68S	18:00	261	18:46
2024	Oct	16	(Wed)	05:24	06:11	99	12:05	67S	17:59	261	18:45
2024	Oct	17	(Thu)	05:25	06:11	99	12:05	67S	17:58	260	18:45
2024	Oct	18	(Fri)	05:25	06:11	100	12:05	66S	17:58	260	18:44
2024	Oct	19	(Sat)	05:25	06:12	100	12:04	66S	17:57	260	18:44
2024	Oct	20	(Sun)	05:25	06:12	101	12:04	66S	17:57	259	18:43
2024	Oct	21	(Mon)	05:25	06:12	101	12:04	65S	17:56	259	18:43
2024	Oct	22	(Tue)	05:25	06:12	101	12:04	65S	17:56	259	18:42
2024	Oct	23	(Wed)	05:25	06:12	102	12:04	65S	17:55	258	18:42
2024	Oct	24	(Thu)	05:26	06:13	102	12:04	64S	17:55	258	18:42
2024	Oct	25	(Fri)	05:26	06:13	102	12:04	64S	17:54	257	18:41
2024	Oct	26	(Sat)	05:26	06:13	103	12:03	64S	17:54	257	18:41
2024	Oct	27	(Sun)	05:26	06:13	103	12:03	63S	17:53	257	18:40
2024	Oct	28	(Mon)	05:26	06:14	103	12:03	63S	17:53	256	18:40
2024	Oct	29	(Tue)	05:27	06:14	104	12:03	63S	17:52	256	18:40
2024	Oct	30	(Wed)	05:27	06:14	104	12:03	62S	17:52	256	18:39
2024	Oct	31	(Thu)	05:27	06:15	104	12:03	62S	17:52	255	18:39
2024	Nov	01	(Fri)	05:27	06:15	105	12:03	62S	17:51	255	18:39
2024	Nov	02	(Sat)	05:28	06:15	105	12:03	61S	17:51	255	18:38
2024	Nov	03	(Sun)	05:28	06:16	105	12:03	61S	17:50	254	18:38
2024	Nov	04	(Mon)	05:28	06:16	106	12:03	61S	17:50	254	18:38
2024	Nov	05	(Tue)	05:29	06:16	106	12:03	60S	17:50	254	18:38
2024	Nov	06	(Wed)	05:29	06:17	106	12:03	60S	17:50	253	18:37
2024	Nov	07	(Thu)	05:29	06:17	107	12:03	60S	17:49	253	18:37
2024	Nov	08	(Fri)	05:29	06:17	107	12:03	60S	17:49	253	18:37
2024	Nov	09	(Sat)	05:30	06:18	107	12:03	59S	17:49	253	18:37
2024	Nov	10	(Sun)	05:30	06:18	108	12:03	59S	17:49	252	18:37
2024	Nov	11	(Mon)	05:30	06:19	108	12:04	59S	17:48	252	18:37
2024	Nov	12	(Tue)	05:31	06:19	108	12:04	58S	17:48	252	18:36
2024	Nov	13	(Wed)	05:31	06:19	108	12:04	58S	17:48	251	18:36
2024	Nov	14	(Thu)	05:32	06:20	109	12:04	58S	17:48	251	18:36
2024	Nov	15	(Fri)	05:32	06:20	109	12:04	58S	17:48	251	18:36
2024	Nov	16	(Sat)	05:32	06:21	109	12:04	57S	17:48	251	18:36
2024	Nov	17	(Sun)	05:33	06:21	109	12:05	57S	17:48	250	18:36
2024	Nov	18	(Mon)	05:33	06:22	110	12:05	57S	17:48	250	18:36
2024	Nov	19	(Tue)	05:34	06:22	110	12:05	57S	17:48	250	18:36
2024	Nov	20	(Wed)	05:34	06:23	110	12:05	56S	17:48	250	18:36
2024	Nov	21	(Thu)	05:34	06:23	110	12:05	56S	17:48	249	18:36
2024	Nov	22	(Fri)	05:35	06:24	111	12:06	56S	17:48	249	18:36
2024	Nov	23	(Sat)	05:35	06:24	111	12:06	56S	17:48	249	18:37
2024	Nov	24	(Sun)	05:36	06:25	111	12:06	56S	17:48	249	18:37
2024	Nov	25	(Mon)	05:36	06:25	111	12:07	55S	17:48	249	18:37
2024	Nov	26	(Tue)	05:37	06:26	111	12:07	55S	17:48	248	18:37
2024	Nov	27	(Wed)	05:37	06:26	112	12:07	55S	17:48	248	18:37
2024	Nov	28	(Thu)	05:38	06:27	112	12:08	55S	17:48	248	18:37
2024	Nov	29	(Fri)	05:38	06:27	112	12:08	55S	17:48	248	18:38
2024	Nov	30	(Sat)	05:39	06:28	112	12:08	55S	17:48	248	18:38
2024	Dec	01	(Sun)	05:39	06:29	112	12:09	54S	17:49	248	18:38
2024	Dec	02	(Mon)	05:40	06:29	113	12:09	54S	17:49	247	18:38
2024	Dec	03	(Tue)	05:40	06:30	113	12:09	54S	17:49	247	18:39
2024	Dec	04	(Wed)	05:41	06:30	113	12:10	54S	17:49	247	18:39
2024	Dec	05	(Thu)	05:41	06:31	113	12:10	54S	17:50	247	18:39
2024	Dec	06	(Fri)	05:42	06:31	113	12:11	54S	17:50	247	18:40
2024	Dec	07	(Sat)	05:42	06:32	113	12:11	54S	17:50	247	18:40
2024	Dec	08	(Sun)	05:43	06:32	113	12:12	53S	17:50	247	18:40
2024	Dec	09	(Mon)	05:43	06:33	113	12:12	53S	17:51	247	18:41
2024	Dec	10	(Tue)	05:44	06:34	113	12:12	53S	17:51	246	18:41
2024	Dec	11	(Wed)	05:44	06:34	114	12:13	53S	17:52	246	18:41
2024	Dec	12	(Thu)	05:45	06:35	114	12:13	53S	17:52	246	18:42
2024	Dec	13	(Fri)	05:45	06:35	114	12:14	53S	17:52	246	18:42

2024	Dec	14	(Sat)	05:46	06:36	114	12:14	53S	17:53	246	18:43
2024	Dec	15	(Sun)	05:46	06:36	114	12:15	53S	17:53	246	18:43
2024	Dec	16	(Mon)	05:47	06:37	114	12:15	53S	17:54	246	18:44
2024	Dec	17	(Tue)	05:47	06:37	114	12:16	53S	17:54	246	18:44
2024	Dec	18	(Wed)	05:48	06:38	114	12:16	53S	17:54	246	18:44
2024	Dec	19	(Thu)	05:49	06:38	114	12:17	53S	17:55	246	18:45
2024	Dec	20	(Fri)	05:49	06:39	114	12:17	53S	17:55	246	18:45
2024	Dec	21	(Sat)	05:50	06:40	114	12:18	53S	17:56	246	18:46
2024	Dec	22	(Sun)	05:50	06:40	114	12:18	53S	17:56	246	18:46
2024	Dec	23	(Mon)	05:51	06:40	114	12:19	53S	17:57	246	18:47
2024	Dec	24	(Tue)	05:51	06:41	114	12:19	53S	17:57	246	18:47
2024	Dec	25	(Wed)	05:51	06:41	114	12:20	53S	17:58	246	18:48
2024	Dec	26	(Thu)	05:52	06:42	114	12:20	53S	17:59	246	18:48
2024	Dec	27	(Fri)	05:52	06:42	114	12:21	53S	17:59	246	18:49
2024	Dec	28	(Sat)	05:53	06:43	114	12:21	53S	18:00	246	18:50
2024	Dec	29	(Sun)	05:53	06:43	114	12:22	53S	18:00	246	18:50
2024	Dec	30	(Mon)	05:54	06:44	114	12:22	53S	18:01	246	18:51
2024	Dec	31	(Tue)	05:54	06:44	114	12:23	53S	18:01	246	18:51

Sun

Suphan Buri

Location: E100°06'57.5", N14°28'15.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin	Rise	Az.	Transit	Alt.	Set	Az.	End
				Civil						Civil	
				Twilight						Twilight	
				h m	h m	°	h m	°	h m	°	h m
2024	Jan	01	(Mon)	06:21	06:44	114	12:23	53S	18:01	246	18:25
2024	Jan	02	(Tue)	06:21	06:44	114	12:23	53S	18:02	246	18:25
2024	Jan	03	(Wed)	06:22	06:45	113	12:24	53S	18:03	247	18:26
2024	Jan	04	(Thu)	06:22	06:45	113	12:24	53S	18:03	247	18:26
2024	Jan	05	(Fri)	06:22	06:46	113	12:25	54S	18:04	247	18:27
2024	Jan	06	(Sat)	06:23	06:46	113	12:25	54S	18:04	247	18:27
2024	Jan	07	(Sun)	06:23	06:46	113	12:25	54S	18:05	247	18:28
2024	Jan	08	(Mon)	06:23	06:46	113	12:26	54S	18:05	247	18:29
2024	Jan	09	(Tue)	06:24	06:47	113	12:26	54S	18:06	247	18:29
2024	Jan	10	(Wed)	06:24	06:47	113	12:27	54S	18:07	247	18:30
2024	Jan	11	(Thu)	06:24	06:47	112	12:27	54S	18:07	248	18:30
2024	Jan	12	(Fri)	06:24	06:47	112	12:28	55S	18:08	248	18:31
2024	Jan	13	(Sat)	06:25	06:48	112	12:28	55S	18:08	248	18:31
2024	Jan	14	(Sun)	06:25	06:48	112	12:28	55S	18:09	248	18:32
2024	Jan	15	(Mon)	06:25	06:48	112	12:29	55S	18:10	248	18:32
2024	Jan	16	(Tue)	06:25	06:48	112	12:29	55S	18:10	249	18:33
2024	Jan	17	(Wed)	06:25	06:48	111	12:29	55S	18:11	249	18:33
2024	Jan	18	(Thu)	06:26	06:48	111	12:30	56S	18:11	249	18:34
2024	Jan	19	(Fri)	06:26	06:48	111	12:30	56S	18:12	249	18:35
2024	Jan	20	(Sat)	06:26	06:48	111	12:30	56S	18:12	249	18:35
2024	Jan	21	(Sun)	06:26	06:49	111	12:31	56S	18:13	250	18:36
2024	Jan	22	(Mon)	06:26	06:49	110	12:31	56S	18:13	250	18:36
2024	Jan	23	(Tue)	06:26	06:49	110	12:31	57S	18:14	250	18:37
2024	Jan	24	(Wed)	06:26	06:49	110	12:31	57S	18:14	250	18:37
2024	Jan	25	(Thu)	06:26	06:49	110	12:32	57S	18:15	251	18:37
2024	Jan	26	(Fri)	06:26	06:48	109	12:32	57S	18:15	251	18:38
2024	Jan	27	(Sat)	06:26	06:48	109	12:32	58S	18:16	251	18:38
2024	Jan	28	(Sun)	06:26	06:48	109	12:32	58S	18:16	251	18:39
2024	Jan	29	(Mon)	06:26	06:48	109	12:32	58S	18:17	252	18:39
2024	Jan	30	(Tue)	06:26	06:48	108	12:33	58S	18:17	252	18:40
2024	Jan	31	(Wed)	06:26	06:48	108	12:33	59S	18:18	252	18:40
2024	Feb	01	(Thu)	06:25	06:48	108	12:33	59S	18:18	252	18:41
2024	Feb	02	(Fri)	06:25	06:48	107	12:33	59S	18:19	253	18:41
2024	Feb	03	(Sat)	06:25	06:47	107	12:33	60S	18:19	253	18:41
2024	Feb	04	(Sun)	06:25	06:47	107	12:33	60S	18:20	253	18:42
2024	Feb	05	(Mon)	06:25	06:47	106	12:33	60S	18:20	254	18:42
2024	Feb	06	(Tue)	06:25	06:47	106	12:34	60S	18:20	254	18:43
2024	Feb	07	(Wed)	06:24	06:46	106	12:34	61S	18:21	254	18:43
2024	Feb	08	(Thu)	06:24	06:46	106	12:34	61S	18:21	255	18:43
2024	Feb	09	(Fri)	06:24	06:46	105	12:34	61S	18:22	255	18:44
2024	Feb	10	(Sat)	06:24	06:46	105	12:34	62S	18:22	255	18:44

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

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

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

2024	Sep	14	(Sat)	05:47	06:08	86	12:15	79S	18:22	273	18:43
2024	Sep	15	(Sun)	05:47	06:08	87	12:15	79S	18:21	273	18:42
2024	Sep	16	(Mon)	05:47	06:08	87	12:14	79S	18:20	273	18:41
2024	Sep	17	(Tue)	05:47	06:08	88	12:14	78S	18:19	272	18:41
2024	Sep	18	(Wed)	05:47	06:08	88	12:14	78S	18:19	272	18:40
2024	Sep	19	(Thu)	05:47	06:08	88	12:13	78S	18:18	271	18:39
2024	Sep	20	(Fri)	05:47	06:09	89	12:13	77S	18:17	271	18:38
2024	Sep	21	(Sat)	05:47	06:09	89	12:13	77S	18:16	271	18:38
2024	Sep	22	(Sun)	05:47	06:09	90	12:12	76S	18:16	270	18:37
2024	Sep	23	(Mon)	05:47	06:09	90	12:12	76S	18:15	270	18:36
2024	Sep	24	(Tue)	05:47	06:09	90	12:11	76S	18:14	269	18:35
2024	Sep	25	(Wed)	05:47	06:09	91	12:11	75S	18:13	269	18:35
2024	Sep	26	(Thu)	05:47	06:09	91	12:11	75S	18:13	269	18:34
2024	Sep	27	(Fri)	05:48	06:09	92	12:10	74S	18:12	268	18:33
2024	Sep	28	(Sat)	05:48	06:09	92	12:10	74S	18:11	268	18:32
2024	Sep	29	(Sun)	05:48	06:09	92	12:10	74S	18:10	267	18:32
2024	Sep	30	(Mon)	05:48	06:09	93	12:09	73S	18:10	267	18:31
2024	Oct	01	(Tue)	05:48	06:09	93	12:09	73S	18:09	267	18:30
2024	Oct	02	(Wed)	05:48	06:09	94	12:09	72S	18:08	266	18:30
2024	Oct	03	(Thu)	05:48	06:09	94	12:08	72S	18:07	266	18:29
2024	Oct	04	(Fri)	05:48	06:09	94	12:08	72S	18:07	265	18:28
2024	Oct	05	(Sat)	05:48	06:10	95	12:08	71S	18:06	265	18:27
2024	Oct	06	(Sun)	05:48	06:10	95	12:08	71S	18:05	265	18:27
2024	Oct	07	(Mon)	05:48	06:10	96	12:07	71S	18:05	264	18:26
2024	Oct	08	(Tue)	05:48	06:10	96	12:07	70S	18:04	264	18:25
2024	Oct	09	(Wed)	05:48	06:10	96	12:07	70S	18:03	263	18:25
2024	Oct	10	(Thu)	05:49	06:10	97	12:06	69S	18:03	263	18:24
2024	Oct	11	(Fri)	05:49	06:10	97	12:06	69S	18:02	263	18:24
2024	Oct	12	(Sat)	05:49	06:10	98	12:06	69S	18:01	262	18:23
2024	Oct	13	(Sun)	05:49	06:10	98	12:06	68S	18:01	262	18:22
2024	Oct	14	(Mon)	05:49	06:11	98	12:05	68S	18:00	262	18:22
2024	Oct	15	(Tue)	05:49	06:11	99	12:05	68S	18:00	261	18:21
2024	Oct	16	(Wed)	05:49	06:11	99	12:05	67S	17:59	261	18:21
2024	Oct	17	(Thu)	05:50	06:11	99	12:05	67S	17:58	260	18:20
2024	Oct	18	(Fri)	05:50	06:11	100	12:05	66S	17:58	260	18:19
2024	Oct	19	(Sat)	05:50	06:12	100	12:04	66S	17:57	260	18:19
2024	Oct	20	(Sun)	05:50	06:12	101	12:04	66S	17:57	259	18:18
2024	Oct	21	(Mon)	05:50	06:12	101	12:04	65S	17:56	259	18:18
2024	Oct	22	(Tue)	05:50	06:12	101	12:04	65S	17:56	259	18:17
2024	Oct	23	(Wed)	05:51	06:12	102	12:04	65S	17:55	258	18:17
2024	Oct	24	(Thu)	05:51	06:13	102	12:04	64S	17:55	258	18:16
2024	Oct	25	(Fri)	05:51	06:13	102	12:04	64S	17:54	257	18:16
2024	Oct	26	(Sat)	05:51	06:13	103	12:03	64S	17:54	257	18:15
2024	Oct	27	(Sun)	05:52	06:13	103	12:03	63S	17:53	257	18:15
2024	Oct	28	(Mon)	05:52	06:14	103	12:03	63S	17:53	256	18:15
2024	Oct	29	(Tue)	05:52	06:14	104	12:03	63S	17:52	256	18:14
2024	Oct	30	(Wed)	05:52	06:14	104	12:03	62S	17:52	256	18:14
2024	Oct	31	(Thu)	05:53	06:15	104	12:03	62S	17:52	255	18:14
2024	Nov	01	(Fri)	05:53	06:15	105	12:03	62S	17:51	255	18:13
2024	Nov	02	(Sat)	05:53	06:15	105	12:03	61S	17:51	255	18:13
2024	Nov	03	(Sun)	05:53	06:16	105	12:03	61S	17:50	254	18:13
2024	Nov	04	(Mon)	05:54	06:16	106	12:03	61S	17:50	254	18:12
2024	Nov	05	(Tue)	05:54	06:16	106	12:03	60S	17:50	254	18:12
2024	Nov	06	(Wed)	05:54	06:17	106	12:03	60S	17:50	253	18:12
2024	Nov	07	(Thu)	05:55	06:17	107	12:03	60S	17:49	253	18:12
2024	Nov	08	(Fri)	05:55	06:17	107	12:03	60S	17:49	253	18:11
2024	Nov	09	(Sat)	05:55	06:18	107	12:03	59S	17:49	253	18:11
2024	Nov	10	(Sun)	05:56	06:18	108	12:03	59S	17:49	252	18:11
2024	Nov	11	(Mon)	05:56	06:19	108	12:04	59S	17:48	252	18:11
2024	Nov	12	(Tue)	05:57	06:19	108	12:04	58S	17:48	252	18:11
2024	Nov	13	(Wed)	05:57	06:19	108	12:04	58S	17:48	251	18:11
2024	Nov	14	(Thu)	05:57	06:20	109	12:04	58S	17:48	251	18:10
2024	Nov	15	(Fri)	05:58	06:20	109	12:04	58S	17:48	251	18:10
2024	Nov	16	(Sat)	05:58	06:21	109	12:04	57S	17:48	251	18:10
2024	Nov	17	(Sun)	05:59	06:21	109	12:05	57S	17:48	250	18:10
2024	Nov	18	(Mon)	05:59	06:22	110	12:05	57S	17:48	250	18:10
2024	Nov	19	(Tue)	06:00	06:22	110	12:05	57S	17:48	250	18:10
2024	Nov	20	(Wed)	06:00	06:23	110	12:05	56S	17:48	250	18:10
2024	Nov	21	(Thu)	06:01	06:23	110	12:05	56S	17:48	249	18:10
2024	Nov	22	(Fri)	06:01	06:24	111	12:06	56S	17:48	249	18:10
2024	Nov	23	(Sat)	06:01	06:24	111	12:06	56S	17:48	249	18:10
2024	Nov	24	(Sun)	06:02	06:25	111	12:06	56S	17:48	249	18:10

2024	Nov	25	(Mon)	06:02	06:25	111	12:07	55S	17:48	249	18:11
2024	Nov	26	(Tue)	06:03	06:26	111	12:07	55S	17:48	248	18:11
2024	Nov	27	(Wed)	06:03	06:26	112	12:07	55S	17:48	248	18:11
2024	Nov	28	(Thu)	06:04	06:27	112	12:08	55S	17:48	248	18:11
2024	Nov	29	(Fri)	06:05	06:27	112	12:08	55S	17:48	248	18:11
2024	Nov	30	(Sat)	06:05	06:28	112	12:08	55S	17:48	248	18:11
2024	Dec	01	(Sun)	06:06	06:29	112	12:09	54S	17:49	248	18:12
2024	Dec	02	(Mon)	06:06	06:29	113	12:09	54S	17:49	247	18:12
2024	Dec	03	(Tue)	06:07	06:30	113	12:09	54S	17:49	247	18:12
2024	Dec	04	(Wed)	06:07	06:30	113	12:10	54S	17:49	247	18:12
2024	Dec	05	(Thu)	06:08	06:31	113	12:10	54S	17:50	247	18:13
2024	Dec	06	(Fri)	06:08	06:31	113	12:11	54S	17:50	247	18:13
2024	Dec	07	(Sat)	06:09	06:32	113	12:11	54S	17:50	247	18:13
2024	Dec	08	(Sun)	06:09	06:32	113	12:12	53S	17:50	247	18:14
2024	Dec	09	(Mon)	06:10	06:33	113	12:12	53S	17:51	247	18:14
2024	Dec	10	(Tue)	06:10	06:34	113	12:12	53S	17:51	246	18:14
2024	Dec	11	(Wed)	06:11	06:34	114	12:13	53S	17:52	246	18:15
2024	Dec	12	(Thu)	06:12	06:35	114	12:13	53S	17:52	246	18:15
2024	Dec	13	(Fri)	06:12	06:35	114	12:14	53S	17:52	246	18:15
2024	Dec	14	(Sat)	06:13	06:36	114	12:14	53S	17:53	246	18:16
2024	Dec	15	(Sun)	06:13	06:36	114	12:15	53S	17:53	246	18:16
2024	Dec	16	(Mon)	06:14	06:37	114	12:15	53S	17:54	246	18:17
2024	Dec	17	(Tue)	06:14	06:37	114	12:16	53S	17:54	246	18:17
2024	Dec	18	(Wed)	06:15	06:38	114	12:16	53S	17:54	246	18:18
2024	Dec	19	(Thu)	06:15	06:38	114	12:17	53S	17:55	246	18:18
2024	Dec	20	(Fri)	06:16	06:39	114	12:17	53S	17:55	246	18:19
2024	Dec	21	(Sat)	06:16	06:40	114	12:18	53S	17:56	246	18:19
2024	Dec	22	(Sun)	06:17	06:40	114	12:18	53S	17:56	246	18:20
2024	Dec	23	(Mon)	06:17	06:40	114	12:19	53S	17:57	246	18:20
2024	Dec	24	(Tue)	06:18	06:41	114	12:19	53S	17:57	246	18:21
2024	Dec	25	(Wed)	06:18	06:41	114	12:20	53S	17:58	246	18:21
2024	Dec	26	(Thu)	06:19	06:42	114	12:20	53S	17:59	246	18:22
2024	Dec	27	(Fri)	06:19	06:42	114	12:21	53S	17:59	246	18:22
2024	Dec	28	(Sat)	06:20	06:43	114	12:21	53S	18:00	246	18:23
2024	Dec	29	(Sun)	06:20	06:43	114	12:22	53S	18:00	246	18:23
2024	Dec	30	(Mon)	06:20	06:44	114	12:22	53S	18:01	246	18:24
2024	Dec	31	(Tue)	06:21	06:44	114	12:23	53S	18:01	246	18:24

Moon

Suphan Buri

Location: E100°06'57.5", N14°28'15.6", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2024 Jan 01 (Mon)	22:32	80		04:11	89S		10:33	282	
2024 Jan 02 (Tue)	23:17	86		04:51	84S		11:07	277	
2024 Jan 03 (Wed)				05:30	78S		11:40	271	
2024 Jan 04 (Thu)	00:02	92		06:09	72S		12:14	265	
2024 Jan 05 (Fri)	00:48	98		06:50	67S		12:48	259	
2024 Jan 06 (Sat)	01:37	104		07:33	61S		13:26	253	
2024 Jan 07 (Sun)	02:29	109		08:19	56S		14:08	248	
2024 Jan 08 (Mon)	03:24	114		09:11	52S		14:56	244	
2024 Jan 09 (Tue)	04:25	117		10:08	49S		15:50	242	
2024 Jan 10 (Wed)	05:28	119		11:10	47S		16:52	241	
2024 Jan 11 (Thu)	06:31	119		12:14	48S		17:57	242	
2024 Jan 12 (Fri)	07:31	116		13:16	51S		19:04	246	
2024 Jan 13 (Sat)	08:26	112		14:16	56S		20:09	251	
2024 Jan 14 (Sun)	09:15	106		15:11	62S		21:10	257	
2024 Jan 15 (Mon)	10:00	99		16:03	69S		22:09	264	
2024 Jan 16 (Tue)	10:42	92		16:52	76S		23:05	272	
2024 Jan 17 (Wed)	11:23	85		17:39	83S		24:00	279	
2024 Jan 18 (Thu)	12:03	78		18:27	89S				
2024 Jan 19 (Fri)	12:46	72		19:17	86N		00:55	285	
2024 Jan 20 (Sat)	13:31	67		20:08	82N		01:51	291	
2024 Jan 21 (Sun)	14:19	63		21:02	79N		02:49	295	
2024 Jan 22 (Mon)	15:12	61		21:57	77N		03:47	298	
2024 Jan 23 (Tue)	16:06	61		22:52	77N		04:44	299	

2024	Jan	24	(Wed)	17:02	62	23:46	78N	05:38	299
2024	Jan	25	(Thu)	17:56	65			06:28	297
2024	Jan	26	(Fri)	18:49	68	00:36	81N	07:14	293
2024	Jan	27	(Sat)	19:39	73	01:23	85N	07:55	289
2024	Jan	28	(Sun)	20:26	79	02:07	90N	08:32	284
2024	Jan	29	(Mon)	21:12	84	02:48	86S	09:07	279
2024	Jan	30	(Tue)	21:57	90	03:27	80S	09:40	273
2024	Jan	31	(Wed)	22:42	96	04:06	74S	10:12	267
2024	Feb	01	(Thu)	23:29	102	04:46	69S	10:46	261
2024	Feb	02	(Fri)			05:27	63S	11:21	255
2024	Feb	03	(Sat)	00:18	107	06:10	58S	12:00	250
2024	Feb	04	(Sun)	01:11	112	06:59	53S	12:44	246
2024	Feb	05	(Mon)	02:08	116	07:52	50S	13:34	242
2024	Feb	06	(Tue)	03:08	119	08:50	48S	14:31	241
2024	Feb	07	(Wed)	04:10	119	09:52	47S	15:34	241
2024	Feb	08	(Thu)	05:11	118	10:55	49S	16:40	243
2024	Feb	09	(Fri)	06:09	114	11:57	53S	17:47	248
2024	Feb	10	(Sat)	07:02	109	12:55	59S	18:52	254
2024	Feb	11	(Sun)	07:50	102	13:50	66S	19:53	261
2024	Feb	12	(Mon)	08:35	95	14:42	73S	20:52	269
2024	Feb	13	(Tue)	09:18	88	15:32	80S	21:50	276
2024	Feb	14	(Wed)	10:00	80	16:22	87S	22:47	283
2024	Feb	15	(Thu)	10:43	74	17:12	88N	23:45	289
2024	Feb	16	(Fri)	11:28	68	18:04	83N		
2024	Feb	17	(Sat)	12:16	64	18:58	79N	00:43	294
2024	Feb	18	(Sun)	13:08	62	19:53	77N	01:42	297
2024	Feb	19	(Mon)	14:02	61	20:48	77N	02:39	299
2024	Feb	20	(Tue)	14:57	61	21:42	78N	03:34	299
2024	Feb	21	(Wed)	15:51	64	22:33	80N	04:25	298
2024	Feb	22	(Thu)	16:44	67	23:20	84N	05:12	295
2024	Feb	23	(Fri)	17:35	71			05:54	291
2024	Feb	24	(Sat)	18:23	77	00:05	88N	06:32	286
2024	Feb	25	(Sun)	19:09	82	00:47	88S	07:07	280
2024	Feb	26	(Mon)	19:54	88	01:26	82S	07:41	275
2024	Feb	27	(Tue)	20:39	94	02:05	76S	08:13	269
2024	Feb	28	(Wed)	21:25	100	02:44	70S	08:46	263
2024	Feb	29	(Thu)	22:13	106	03:24	65S	09:21	257
2024	Mar	01	(Fri)	23:03	111	04:07	59S	09:58	252
2024	Mar	02	(Sat)	23:57	115	04:52	55S	10:39	247
2024	Mar	03	(Sun)			05:42	51S	11:25	243
2024	Mar	04	(Mon)	00:55	118	06:37	48S	12:18	241
2024	Mar	05	(Tue)	01:54	119	07:35	47S	13:16	240
2024	Mar	06	(Wed)	02:54	119	08:36	48S	14:19	242
2024	Mar	07	(Thu)	03:52	117	09:37	51S	15:24	245
2024	Mar	08	(Fri)	04:46	112	10:36	55S	16:28	250
2024	Mar	09	(Sat)	05:36	106	11:32	62S	17:31	257
2024	Mar	10	(Sun)	06:23	99	12:26	69S	18:32	265
2024	Mar	11	(Mon)	07:07	91	13:18	76S	19:32	272
2024	Mar	12	(Tue)	07:50	84	14:09	84S	20:31	280
2024	Mar	13	(Wed)	08:34	77	15:01	91N	21:31	287
2024	Mar	14	(Thu)	09:20	70	15:54	85N	22:31	292
2024	Mar	15	(Fri)	10:09	65	16:49	80N	23:32	297
2024	Mar	16	(Sat)	11:01	62	17:46	77N		
2024	Mar	17	(Sun)	11:55	61	18:42	76N	00:32	299
2024	Mar	18	(Mon)	12:51	61	19:37	77N	01:29	300
2024	Mar	19	(Tue)	13:47	63	20:30	79N	02:22	298
2024	Mar	20	(Wed)	14:40	66	21:18	83N	03:10	296
2024	Mar	21	(Thu)	15:31	70	22:03	87N	03:53	292
2024	Mar	22	(Fri)	16:20	75	22:46	90S	04:33	288
2024	Mar	23	(Sat)	17:06	80	23:26	84S	05:08	282
2024	Mar	24	(Sun)	17:52	86			05:42	277
2024	Mar	25	(Mon)	18:37	92	00:05	78S	06:15	271
2024	Mar	26	(Tue)	19:23	98	00:44	72S	06:48	265
2024	Mar	27	(Wed)	20:10	104	01:24	66S	07:22	259
2024	Mar	28	(Thu)	21:00	109	02:05	61S	07:58	253
2024	Mar	29	(Fri)	21:52	114	02:50	56S	08:38	248
2024	Mar	30	(Sat)	22:48	117	03:38	52S	09:22	244
2024	Mar	31	(Sun)	23:46	119	04:30	49S	10:12	242
2024	Apr	01	(Mon)			05:26	47S	11:07	240
2024	Apr	02	(Tue)	00:44	120	06:25	47S	12:06	241
2024	Apr	03	(Wed)	01:41	118	07:24	49S	13:08	243
2024	Apr	04	(Thu)	02:35	114	08:22	53S	14:11	248

2024	Apr	05	(Fri)	03:25	109	09:17	58S	15:13	254
2024	Apr	06	(Sat)	04:11	103	10:10	65S	16:13	261
2024	Apr	07	(Sun)	04:55	96	11:02	72S	17:12	268
2024	Apr	08	(Mon)	05:39	88	11:53	80S	18:11	276
2024	Apr	09	(Tue)	06:22	80	12:45	87S	19:11	283
2024	Apr	10	(Wed)	07:08	73	13:38	88N	20:12	290
2024	Apr	11	(Thu)	07:56	68	14:34	82N	21:15	295
2024	Apr	12	(Fri)	08:48	63	15:32	78N	22:18	298
2024	Apr	13	(Sat)	09:44	61	16:31	77N	23:18	299
2024	Apr	14	(Sun)	10:41	60	17:28	77N		
2024	Apr	15	(Mon)	11:38	62	18:23	78N	00:15	299
2024	Apr	16	(Tue)	12:34	64	19:14	81N	01:06	297
2024	Apr	17	(Wed)	13:26	68	20:01	85N	01:51	294
2024	Apr	18	(Thu)	14:16	73	20:44	90N	02:32	289
2024	Apr	19	(Fri)	15:03	78	21:25	86S	03:09	284
2024	Apr	20	(Sat)	15:49	84	22:04	80S	03:43	279
2024	Apr	21	(Sun)	16:34	90	22:43	74S	04:16	273
2024	Apr	22	(Mon)	17:19	96	23:22	68S	04:49	267
2024	Apr	23	(Tue)	18:06	102			05:23	261
2024	Apr	24	(Wed)	18:55	108	00:04	63S	05:58	255
2024	Apr	25	(Thu)	19:48	112	00:48	58S	06:37	250
2024	Apr	26	(Fri)	20:43	116	01:35	53S	07:20	246
2024	Apr	27	(Sat)	21:41	119	02:27	50S	08:09	242
2024	Apr	28	(Sun)	22:39	120	03:22	48S	09:02	241
2024	Apr	29	(Mon)	23:36	119	04:19	47S	10:00	241
2024	Apr	30	(Tue)			05:18	49S	11:01	243
2024	May	01	(Wed)	00:30	116	06:15	52S	12:02	246
2024	May	02	(Thu)	01:20	111	07:09	56S	13:02	251
2024	May	03	(Fri)	02:06	105	08:01	62S	14:00	258
2024	May	04	(Sat)	02:49	99	08:51	69S	14:58	265
2024	May	05	(Sun)	03:31	91	09:41	76S	15:55	272
2024	May	06	(Mon)	04:13	84	10:31	84S	16:53	280
2024	May	07	(Tue)	04:56	77	11:22	91S	17:53	287
2024	May	08	(Wed)	05:43	71	12:17	85N	18:55	292
2024	May	09	(Thu)	06:33	65	13:15	80N	19:58	297
2024	May	10	(Fri)	07:28	62	14:14	77N	21:01	299
2024	May	11	(Sat)	08:26	61	15:14	76N	22:01	299
2024	May	12	(Sun)	09:25	61	16:11	77N	22:56	298
2024	May	13	(Mon)	10:23	63	17:05	80N	23:45	295
2024	May	14	(Tue)	11:18	67	17:55	84N		
2024	May	15	(Wed)	12:09	71	18:40	88N	00:28	291
2024	May	16	(Thu)	12:58	76	19:22	88S	01:07	286
2024	May	17	(Fri)	13:44	82	20:02	82S	01:43	281
2024	May	18	(Sat)	14:29	88	20:40	76S	02:16	275
2024	May	19	(Sun)	15:14	94	21:20	71S	02:49	269
2024	May	20	(Mon)	16:01	100	22:00	65S	03:22	263
2024	May	21	(Tue)	16:49	106	22:43	59S	03:57	257
2024	May	22	(Wed)	17:41	111	23:30	55S	04:35	252
2024	May	23	(Thu)	18:35	115			05:17	247
2024	May	24	(Fri)	19:33	118	00:20	51S	06:04	243
2024	May	25	(Sat)	20:33	119	01:15	48S	06:56	241
2024	May	26	(Sun)	21:31	119	02:13	47S	07:54	241
2024	May	27	(Mon)	22:26	117	03:12	48S	08:55	242
2024	May	28	(Tue)	23:17	113	04:10	51S	09:56	245
2024	May	29	(Wed)			05:06	55S	10:57	250
2024	May	30	(Thu)	00:04	107	05:58	61S	11:55	256
2024	May	31	(Fri)	00:47	101	06:47	67S	12:51	263
2024	Jun	01	(Sat)	01:28	94	07:36	74S	13:47	270
2024	Jun	02	(Sun)	02:09	87	08:24	81S	14:42	277
2024	Jun	03	(Mon)	02:50	80	09:13	88S	15:40	284
2024	Jun	04	(Tue)	03:34	73	10:05	87N	16:39	290
2024	Jun	05	(Wed)	04:22	68	11:00	82N	17:41	295
2024	Jun	06	(Thu)	05:14	63	11:58	78N	18:44	298
2024	Jun	07	(Fri)	06:11	61	12:58	77N	19:46	299
2024	Jun	08	(Sat)	07:10	61	13:57	77N	20:43	299
2024	Jun	09	(Sun)	08:09	62	14:53	79N	21:36	296
2024	Jun	10	(Mon)	09:06	65	15:45	82N	22:22	293
2024	Jun	11	(Tue)	10:00	69	16:33	86N	23:03	288
2024	Jun	12	(Wed)	10:50	74	17:17	90S	23:40	283
2024	Jun	13	(Thu)	11:38	80	17:58	84S		
2024	Jun	14	(Fri)	12:23	86	18:37	79S	00:14	277
2024	Jun	15	(Sat)	13:08	92	19:16	73S	00:47	271

2024 Jun 16 (Sun)	13:54 98	19:55 67S	01:20 265
2024 Jun 17 (Mon)	14:41 104	20:37 61S	01:54 259
2024 Jun 18 (Tue)	15:31 109	21:22 56S	02:30 254
2024 Jun 19 (Wed)	16:25 113	22:11 52S	03:11 249
2024 Jun 20 (Thu)	17:22 117	23:05 49S	03:56 245
2024 Jun 21 (Fri)	18:21 119		04:47 242
2024 Jun 22 (Sat)	19:21 119	00:02 47S	05:43 241
2024 Jun 23 (Sun)	20:19 118	01:03 48S	06:45 241
2024 Jun 24 (Mon)	21:13 114	02:02 50S	07:47 244
2024 Jun 25 (Tue)	22:02 109	03:00 54S	08:50 248
2024 Jun 26 (Wed)	22:46 103	03:54 59S	09:50 254
2024 Jun 27 (Thu)	23:28 96	04:45 65S	10:47 261
2024 Jun 28 (Fri)		05:34 72S	11:43 268
2024 Jun 29 (Sat)	00:08 89	06:21 79S	12:38 275
2024 Jun 30 (Sun)	00:49 82	07:09 86S	13:33 282
2024 Jul 01 (Mon)	01:31 75	07:59 89N	14:31 288
2024 Jul 02 (Tue)	02:16 69	08:52 84N	15:30 293
2024 Jul 03 (Wed)	03:06 65	09:48 80N	16:32 297
2024 Jul 04 (Thu)	04:00 62	10:46 77N	17:33 299
2024 Jul 05 (Fri)	04:57 61	11:45 77N	18:32 299
2024 Jul 06 (Sat)	05:56 61	12:42 78N	19:26 297
2024 Jul 07 (Sun)	06:54 64	13:36 81N	20:15 294
2024 Jul 08 (Mon)	07:50 68	14:25 85N	20:58 290
2024 Jul 09 (Tue)	08:42 72	15:11 89N	21:37 285
2024 Jul 10 (Wed)	09:30 78	15:53 87S	22:12 279
2024 Jul 11 (Thu)	10:17 84	16:33 81S	22:46 273
2024 Jul 12 (Fri)	11:02 90	17:12 75S	23:18 267
2024 Jul 13 (Sat)	11:47 96	17:51 69S	23:52 261
2024 Jul 14 (Sun)	12:33 101	18:31 63S	
2024 Jul 15 (Mon)	13:21 107	19:14 58S	00:26 256
2024 Jul 16 (Tue)	14:13 112	20:01 54S	01:04 251
2024 Jul 17 (Wed)	15:08 116	20:52 50S	01:47 246
2024 Jul 18 (Thu)	16:06 118	21:48 48S	02:35 243
2024 Jul 19 (Fri)	17:06 119	22:47 47S	03:29 241
2024 Jul 20 (Sat)	18:06 119	23:48 49S	04:29 241
2024 Jul 21 (Sun)	19:02 116		05:32 243
2024 Jul 22 (Mon)	19:55 111	00:48 52S	06:36 246
2024 Jul 23 (Tue)	20:42 105	01:45 57S	07:39 252
2024 Jul 24 (Wed)	21:26 98	02:39 63S	08:39 258
2024 Jul 25 (Thu)	22:07 91	03:29 70S	09:36 266
2024 Jul 26 (Fri)	22:48 83	04:18 77S	10:33 273
2024 Jul 27 (Sat)	23:30 77	05:07 84S	11:29 280
2024 Jul 28 (Sun)		05:56 91N	12:26 287
2024 Jul 29 (Mon)	00:15 71	06:48 85N	13:25 292
2024 Jul 30 (Tue)	01:02 66	07:42 80N	14:25 296
2024 Jul 31 (Wed)	01:54 62	08:39 78N	15:25 299
2024 Aug 01 (Thu)	02:50 61	09:37 76N	16:24 299
2024 Aug 02 (Fri)	03:48 61	10:34 77N	17:19 298
2024 Aug 03 (Sat)	04:45 63	11:29 79N	18:09 296
2024 Aug 04 (Sun)	05:41 66	12:19 83N	18:54 292
2024 Aug 05 (Mon)	06:34 71	13:06 88N	19:34 287
2024 Aug 06 (Tue)	07:24 76	13:49 89S	20:11 281
2024 Aug 07 (Wed)	08:11 82	14:30 83S	20:45 275
2024 Aug 08 (Thu)	08:57 88	15:09 77S	21:18 269
2024 Aug 09 (Fri)	09:42 94	15:48 71S	21:50 264
2024 Aug 10 (Sat)	10:27 99	16:27 65S	22:24 258
2024 Aug 11 (Sun)	11:14 105	17:08 60S	23:00 252
2024 Aug 12 (Mon)	12:03 110	17:53 55S	23:40 248
2024 Aug 13 (Tue)	12:56 114	18:41 51S	
2024 Aug 14 (Wed)	13:52 118	19:34 48S	00:25 244
2024 Aug 15 (Thu)	14:50 119	20:31 47S	01:15 241
2024 Aug 16 (Fri)	15:49 119	21:31 48S	02:11 240
2024 Aug 17 (Sat)	16:47 117	22:31 50S	03:13 241
2024 Aug 18 (Sun)	17:42 113	23:30 54S	04:16 244
2024 Aug 19 (Mon)	18:32 108		05:20 249
2024 Aug 20 (Tue)	19:18 101	00:26 60S	06:23 255
2024 Aug 21 (Wed)	20:02 94	01:19 67S	07:23 262
2024 Aug 22 (Thu)	20:44 86	02:10 74S	08:22 270
2024 Aug 23 (Fri)	21:27 79	03:00 82S	09:20 278
2024 Aug 24 (Sat)	22:11 72	03:51 89S	10:18 285
2024 Aug 25 (Sun)	22:59 67	04:43 86N	11:18 291
2024 Aug 26 (Mon)	23:50 63	05:38 82N	12:19 295

2024 Aug 27 (Tue)		06:34 78N	13:20 298
2024 Aug 28 (Wed)	00:45 61	07:32 76N	14:20 300
2024 Aug 29 (Thu)	01:42 60	08:29 77N	15:16 299
2024 Aug 30 (Fri)	02:40 62	09:24 78N	16:07 297
2024 Aug 31 (Sat)	03:36 65	10:16 82N	16:53 293
2024 Sep 01 (Sun)	04:29 69	11:03 86N	17:34 289
2024 Sep 02 (Mon)	05:20 74	11:47 90S	18:11 283
2024 Sep 03 (Tue)	06:08 80	12:28 85S	18:45 277
2024 Sep 04 (Wed)	06:54 85	13:08 79S	19:18 272
2024 Sep 05 (Thu)	07:39 92	13:46 73S	19:51 266
2024 Sep 06 (Fri)	08:24 97	14:25 67S	20:24 260
2024 Sep 07 (Sat)	09:10 103	15:06 62S	20:59 254
2024 Sep 08 (Sun)	09:58 108	15:48 57S	21:37 249
2024 Sep 09 (Mon)	10:48 113	16:35 53S	22:19 245
2024 Sep 10 (Tue)	11:42 117	17:24 49S	23:06 242
2024 Sep 11 (Wed)	12:38 119	18:18 47S	23:58 240
2024 Sep 12 (Thu)	13:35 120	19:15 47S	
2024 Sep 13 (Fri)	14:32 119	20:14 48S	00:56 241
2024 Sep 14 (Sat)	15:27 116	21:12 52S	01:57 242
2024 Sep 15 (Sun)	16:18 111	22:09 57S	03:00 246
2024 Sep 16 (Mon)	17:06 105	23:03 63S	04:02 252
2024 Sep 17 (Tue)	17:51 98	23:55 70S	05:03 259
2024 Sep 18 (Wed)	18:34 90		06:03 266
2024 Sep 19 (Thu)	19:18 82	00:47 78S	07:03 274
2024 Sep 20 (Fri)	20:03 75	01:39 86S	08:03 282
2024 Sep 21 (Sat)	20:51 69	02:32 89N	09:05 288
2024 Sep 22 (Sun)	21:43 64	03:28 83N	10:07 294
2024 Sep 23 (Mon)	22:38 61	04:26 79N	11:11 298
2024 Sep 24 (Tue)	23:36 60	05:25 77N	12:13 299
2024 Sep 25 (Wed)		06:24 76N	13:11 299
2024 Sep 26 (Thu)	00:34 61	07:20 78N	14:04 298
2024 Sep 27 (Fri)	01:31 64	08:13 80N	14:52 294
2024 Sep 28 (Sat)	02:26 67	09:01 84N	15:34 290
2024 Sep 29 (Sun)	03:17 72	09:46 89N	16:12 285
2024 Sep 30 (Mon)	04:05 78	10:28 87S	16:47 279
2024 Oct 01 (Tue)	04:51 83	11:07 81S	17:20 273
2024 Oct 02 (Wed)	05:36 90	11:46 75S	17:53 267
2024 Oct 03 (Thu)	06:21 96	12:25 69S	18:26 262
2024 Oct 04 (Fri)	07:07 101	13:05 64S	19:00 256
2024 Oct 05 (Sat)	07:54 107	13:47 58S	19:37 251
2024 Oct 06 (Sun)	08:44 112	14:32 54S	20:17 246
2024 Oct 07 (Mon)	09:36 116	15:20 50S	21:02 243
2024 Oct 08 (Tue)	10:31 118	16:12 48S	21:52 241
2024 Oct 09 (Wed)	11:27 120	17:07 47S	22:46 240
2024 Oct 10 (Thu)	12:23 119	18:03 48S	23:45 241
2024 Oct 11 (Fri)	13:17 117	19:00 50S	
2024 Oct 12 (Sat)	14:07 113	19:55 54S	00:45 244
2024 Oct 13 (Sun)	14:55 108	20:48 60S	01:45 249
2024 Oct 14 (Mon)	15:40 101	21:40 66S	02:45 255
2024 Oct 15 (Tue)	16:23 94	22:31 74S	03:44 262
2024 Oct 16 (Wed)	17:06 86	23:22 82S	04:42 270
2024 Oct 17 (Thu)	17:50 79		05:42 278
2024 Oct 18 (Fri)	18:38 72	00:15 89S	06:44 285
2024 Oct 19 (Sat)	19:29 66	01:11 86N	07:47 291
2024 Oct 20 (Sun)	20:25 62	02:09 81N	08:53 296
2024 Oct 21 (Mon)	21:24 61	03:11 78N	09:58 299
2024 Oct 22 (Tue)	22:24 61	04:12 76N	11:00 300
2024 Oct 23 (Wed)	23:24 63	05:12 77N	11:57 298
2024 Oct 24 (Thu)		06:07 79N	12:48 296
2024 Oct 25 (Fri)	00:20 66	06:58 83N	13:33 292
2024 Oct 26 (Sat)	01:13 71	07:44 88N	14:12 287
2024 Oct 27 (Sun)	02:02 76	08:27 89S	14:48 281
2024 Oct 28 (Mon)	02:49 82	09:07 83S	15:22 275
2024 Oct 29 (Tue)	03:34 88	09:46 77S	15:55 269
2024 Oct 30 (Wed)	04:19 94	10:24 71S	16:27 264
2024 Oct 31 (Thu)	05:04 99	11:04 65S	17:01 258
2024 Nov 01 (Fri)	05:51 105	11:45 60S	17:37 252
2024 Nov 02 (Sat)	06:40 110	12:29 55S	18:16 248
2024 Nov 03 (Sun)	07:32 114	13:17 51S	19:00 244
2024 Nov 04 (Mon)	08:26 118	14:08 49S	19:49 241
2024 Nov 05 (Tue)	09:22 119	15:02 47S	20:42 240
2024 Nov 06 (Wed)	10:18 120	15:58 47S	21:38 241

2024 Nov 07 (Thu)	11:12 118	16:53 49S	22:37 243
2024 Nov 08 (Fri)	12:02 115	17:48 53S	23:36 247
2024 Nov 09 (Sat)	12:49 110	18:40 58S	
2024 Nov 10 (Sun)	13:33 104	19:30 64S	00:33 253
2024 Nov 11 (Mon)	14:15 97	20:19 70S	01:30 259
2024 Nov 12 (Tue)	14:57 90	21:08 78S	02:27 266
2024 Nov 13 (Wed)	15:39 83	21:59 85S	03:24 274
2024 Nov 14 (Thu)	16:24 75	22:52 89N	04:23 281
2024 Nov 15 (Fri)	17:13 69	23:49 83N	05:24 288
2024 Nov 16 (Sat)	18:07 64		06:29 294
2024 Nov 17 (Sun)	19:05 61	00:50 79N	07:36 298
2024 Nov 18 (Mon)	20:07 60	01:53 77N	08:41 299
2024 Nov 19 (Tue)	21:09 62	02:55 77N	09:43 299
2024 Nov 20 (Wed)	22:09 65	03:55 78N	10:38 297
2024 Nov 21 (Thu)	23:04 69	04:49 82N	11:27 293
2024 Nov 22 (Fri)	23:56 74	05:38 86N	12:09 289
2024 Nov 23 (Sat)		06:23 90S	12:47 283
2024 Nov 24 (Sun)	00:44 80	07:05 85S	13:22 277
2024 Nov 25 (Mon)	01:30 86	07:44 79S	13:55 271
2024 Nov 26 (Tue)	02:15 92	08:23 73S	14:27 266
2024 Nov 27 (Wed)	03:00 97	09:02 67S	15:01 260
2024 Nov 28 (Thu)	03:46 103	09:42 62S	15:36 254
2024 Nov 29 (Fri)	04:35 108	10:26 57S	16:14 249
2024 Nov 30 (Sat)	05:26 113	11:12 53S	16:57 245
2024 Dec 01 (Sun)	06:20 117	12:03 49S	17:44 242
2024 Dec 02 (Mon)	07:16 119	12:57 47S	18:37 241
2024 Dec 03 (Tue)	08:13 120	13:53 47S	19:33 241
2024 Dec 04 (Wed)	09:08 118	14:49 49S	20:32 243
2024 Dec 05 (Thu)	10:00 116	15:44 52S	21:31 246
2024 Dec 06 (Fri)	10:47 111	16:37 56S	22:28 251
2024 Dec 07 (Sat)	11:32 106	17:27 62S	23:25 257
2024 Dec 08 (Sun)	12:13 100	18:15 68S	
2024 Dec 09 (Mon)	12:53 93	19:02 75S	00:19 264
2024 Dec 10 (Tue)	13:34 85	19:50 82S	01:14 271
2024 Dec 11 (Wed)	14:15 78	20:40 89S	02:10 278
2024 Dec 12 (Thu)	15:01 72	21:33 86N	03:08 285
2024 Dec 13 (Fri)	15:51 66	22:31 81N	04:10 291
2024 Dec 14 (Sat)	16:47 63	23:32 78N	05:14 296
2024 Dec 15 (Sun)	17:47 61		06:20 299
2024 Dec 16 (Mon)	18:50 61	00:35 77N	07:24 299
2024 Dec 17 (Tue)	19:52 63	01:37 77N	08:23 298
2024 Dec 18 (Wed)	20:51 67	02:35 80N	09:16 295
2024 Dec 19 (Thu)	21:45 72	03:28 84N	10:02 291
2024 Dec 20 (Fri)	22:36 77	04:16 89N	10:43 285
2024 Dec 21 (Sat)	23:23 83	04:59 87S	11:19 280
2024 Dec 22 (Sun)		05:40 81S	11:53 274
2024 Dec 23 (Mon)	00:09 89	06:19 75S	12:26 268
2024 Dec 24 (Tue)	00:54 95	06:58 69S	12:59 262
2024 Dec 25 (Wed)	01:40 101	07:38 64S	13:33 256
2024 Dec 26 (Thu)	02:27 107	08:20 59S	14:10 251
2024 Dec 27 (Fri)	03:17 111	09:05 54S	14:51 247
2024 Dec 28 (Sat)	04:10 115	09:54 50S	15:37 243
2024 Dec 29 (Sun)	05:06 118	10:47 48S	16:28 241
2024 Dec 30 (Mon)	06:03 119	11:43 47S	17:24 241
2024 Dec 31 (Tue)	07:00 119	12:41 48S	18:23 242