

Sun

Chonburi

Location: E100°59'23.9", N13°22'33.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2024	Jan	01 (Mon)	05:49	06:39	114	12:19	54S	18:00	247	18:50
2024	Jan	02 (Tue)	05:49	06:39	113	12:20	54S	18:00	247	18:50
2024	Jan	03 (Wed)	05:50	06:39	113	12:20	54S	18:01	247	18:51
2024	Jan	04 (Thu)	05:50	06:40	113	12:21	55S	18:02	247	18:51
2024	Jan	05 (Fri)	05:51	06:40	113	12:21	55S	18:02	247	18:52
2024	Jan	06 (Sat)	05:51	06:40	113	12:22	55S	18:03	247	18:52
2024	Jan	07 (Sun)	05:51	06:41	113	12:22	55S	18:03	247	18:53
2024	Jan	08 (Mon)	05:52	06:41	113	12:22	55S	18:04	247	18:53
2024	Jan	09 (Tue)	05:52	06:41	113	12:23	55S	18:04	247	18:54
2024	Jan	10 (Wed)	05:52	06:42	113	12:23	55S	18:05	248	18:54
2024	Jan	11 (Thu)	05:53	06:42	112	12:24	55S	18:06	248	18:55
2024	Jan	12 (Fri)	05:53	06:42	112	12:24	56S	18:06	248	18:55
2024	Jan	13 (Sat)	05:53	06:42	112	12:24	56S	18:07	248	18:56
2024	Jan	14 (Sun)	05:53	06:42	112	12:25	56S	18:07	248	18:56
2024	Jan	15 (Mon)	05:54	06:43	112	12:25	56S	18:08	248	18:57
2024	Jan	16 (Tue)	05:54	06:43	111	12:26	56S	18:08	249	18:57
2024	Jan	17 (Wed)	05:54	06:43	111	12:26	56S	18:09	249	18:58
2024	Jan	18 (Thu)	05:54	06:43	111	12:26	57S	18:09	249	18:58
2024	Jan	19 (Fri)	05:54	06:43	111	12:27	57S	18:10	249	18:59
2024	Jan	20 (Sat)	05:55	06:43	111	12:27	57S	18:11	249	18:59
2024	Jan	21 (Sun)	05:55	06:43	110	12:27	57S	18:11	250	19:00
2024	Jan	22 (Mon)	05:55	06:43	110	12:27	58S	18:12	250	19:00
2024	Jan	23 (Tue)	05:55	06:43	110	12:28	58S	18:12	250	19:01
2024	Jan	24 (Wed)	05:55	06:43	110	12:28	58S	18:13	250	19:01
2024	Jan	25 (Thu)	05:55	06:43	109	12:28	58S	18:13	251	19:01
2024	Jan	26 (Fri)	05:55	06:43	109	12:28	58S	18:14	251	19:02
2024	Jan	27 (Sat)	05:55	06:43	109	12:29	59S	18:14	251	19:02
2024	Jan	28 (Sun)	05:55	06:43	109	12:29	59S	18:14	251	19:03
2024	Jan	29 (Mon)	05:55	06:43	108	12:29	59S	18:15	252	19:03
2024	Jan	30 (Tue)	05:55	06:43	108	12:29	60S	18:15	252	19:03
2024	Jan	31 (Wed)	05:55	06:43	108	12:29	60S	18:16	252	19:04
2024	Feb	01 (Thu)	05:55	06:43	108	12:29	60S	18:16	253	19:04
2024	Feb	02 (Fri)	05:55	06:43	107	12:30	60S	18:17	253	19:04
2024	Feb	03 (Sat)	05:55	06:43	107	12:30	61S	18:17	253	19:05
2024	Feb	04 (Sun)	05:55	06:42	107	12:30	61S	18:17	253	19:05
2024	Feb	05 (Mon)	05:55	06:42	106	12:30	61S	18:18	254	19:05
2024	Feb	06 (Tue)	05:54	06:42	106	12:30	62S	18:18	254	19:06
2024	Feb	07 (Wed)	05:54	06:42	106	12:30	62S	18:19	254	19:06
2024	Feb	08 (Thu)	05:54	06:41	105	12:30	62S	18:19	255	19:06
2024	Feb	09 (Fri)	05:54	06:41	105	12:30	63S	18:19	255	19:07
2024	Feb	10 (Sat)	05:54	06:41	105	12:30	63S	18:20	255	19:07
2024	Feb	11 (Sun)	05:53	06:41	104	12:30	63S	18:20	256	19:07
2024	Feb	12 (Mon)	05:53	06:40	104	12:30	63S	18:20	256	19:07
2024	Feb	13 (Tue)	05:53	06:40	104	12:30	64S	18:21	256	19:08
2024	Feb	14 (Wed)	05:53	06:40	103	12:30	64S	18:21	257	19:08
2024	Feb	15 (Thu)	05:52	06:39	103	12:30	64S	18:21	257	19:08
2024	Feb	16 (Fri)	05:52	06:39	103	12:30	65S	18:22	257	19:08
2024	Feb	17 (Sat)	05:52	06:38	102	12:30	65S	18:22	258	19:09
2024	Feb	18 (Sun)	05:51	06:38	102	12:30	66S	18:22	258	19:09
2024	Feb	19 (Mon)	05:51	06:38	102	12:30	66S	18:22	259	19:09
2024	Feb	20 (Tue)	05:51	06:37	101	12:30	66S	18:23	259	19:09
2024	Feb	21 (Wed)	05:50	06:37	101	12:30	67S	18:23	259	19:09
2024	Feb	22 (Thu)	05:50	06:36	101	12:30	67S	18:23	260	19:10
2024	Feb	23 (Fri)	05:49	06:36	100	12:29	67S	18:23	260	19:10
2024	Feb	24 (Sat)	05:49	06:35	100	12:29	68S	18:24	260	19:10
2024	Feb	25 (Sun)	05:48	06:35	99	12:29	68S	18:24	261	19:10
2024	Feb	26 (Mon)	05:48	06:34	99	12:29	68S	18:24	261	19:10
2024	Feb	27 (Tue)	05:47	06:34	99	12:29	69S	18:24	262	19:10
2024	Feb	28 (Wed)	05:47	06:33	98	12:29	69S	18:24	262	19:11
2024	Feb	29 (Thu)	05:46	06:33	98	12:28	70S	18:25	262	19:11

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

2024	May	12	(Sun)	05:02	05:51	71	12:12	86N	18:34	289	19:23
2024	May	13	(Mon)	05:01	05:51	71	12:12	86N	18:34	289	19:24
2024	May	14	(Tue)	05:01	05:50	71	12:12	85N	18:35	290	19:24
2024	May	15	(Wed)	05:01	05:50	70	12:12	85N	18:35	290	19:24
2024	May	16	(Thu)	05:00	05:50	70	12:12	85N	18:35	290	19:25
2024	May	17	(Fri)	05:00	05:50	70	12:12	85N	18:35	290	19:25
2024	May	18	(Sat)	05:00	05:49	70	12:12	84N	18:36	291	19:25
2024	May	19	(Sun)	05:00	05:49	69	12:13	84N	18:36	291	19:26
2024	May	20	(Mon)	04:59	05:49	69	12:13	84N	18:36	291	19:26
2024	May	21	(Tue)	04:59	05:49	69	12:13	84N	18:37	291	19:26
2024	May	22	(Wed)	04:59	05:49	69	12:13	84N	18:37	291	19:27
2024	May	23	(Thu)	04:59	05:49	69	12:13	83N	18:37	292	19:27
2024	May	24	(Fri)	04:58	05:48	68	12:13	83N	18:37	292	19:27
2024	May	25	(Sat)	04:58	05:48	68	12:13	83N	18:38	292	19:28
2024	May	26	(Sun)	04:58	05:48	68	12:13	83N	18:38	292	19:28
2024	May	27	(Mon)	04:58	05:48	68	12:13	83N	18:38	292	19:29
2024	May	28	(Tue)	04:58	05:48	68	12:13	83N	18:39	292	19:29
2024	May	29	(Wed)	04:58	05:48	67	12:13	82N	18:39	293	19:29
2024	May	30	(Thu)	04:58	05:48	67	12:14	82N	18:39	293	19:30
2024	May	31	(Fri)	04:58	05:48	67	12:14	82N	18:40	293	19:30
2024	Jun	01	(Sat)	04:58	05:48	67	12:14	82N	18:40	293	19:30
2024	Jun	02	(Sun)	04:57	05:48	67	12:14	82N	18:40	293	19:31
2024	Jun	03	(Mon)	04:57	05:48	67	12:14	82N	18:41	293	19:31
2024	Jun	04	(Tue)	04:57	05:48	67	12:14	82N	18:41	293	19:32
2024	Jun	05	(Wed)	04:57	05:48	67	12:15	81N	18:41	294	19:32
2024	Jun	06	(Thu)	04:57	05:48	66	12:15	81N	18:41	294	19:32
2024	Jun	07	(Fri)	04:57	05:48	66	12:15	81N	18:42	294	19:33
2024	Jun	08	(Sat)	04:58	05:48	66	12:15	81N	18:42	294	19:33
2024	Jun	09	(Sun)	04:58	05:48	66	12:15	81N	18:42	294	19:33
2024	Jun	10	(Mon)	04:58	05:49	66	12:16	81N	18:43	294	19:34
2024	Jun	11	(Tue)	04:58	05:49	66	12:16	81N	18:43	294	19:34
2024	Jun	12	(Wed)	04:58	05:49	66	12:16	81N	18:43	294	19:34
2024	Jun	13	(Thu)	04:58	05:49	66	12:16	81N	18:43	294	19:34
2024	Jun	14	(Fri)	04:58	05:49	66	12:16	81N	18:44	294	19:35
2024	Jun	15	(Sat)	04:58	05:49	66	12:17	81N	18:44	294	19:35
2024	Jun	16	(Sun)	04:58	05:49	66	12:17	81N	18:44	294	19:35
2024	Jun	17	(Mon)	04:59	05:50	66	12:17	81N	18:44	294	19:36
2024	Jun	18	(Tue)	04:59	05:50	66	12:17	81N	18:45	294	19:36
2024	Jun	19	(Wed)	04:59	05:50	66	12:17	81N	18:45	294	19:36
2024	Jun	20	(Thu)	04:59	05:50	66	12:18	81N	18:45	294	19:36
2024	Jun	21	(Fri)	04:59	05:50	66	12:18	81N	18:45	294	19:37
2024	Jun	22	(Sat)	05:00	05:51	66	12:18	81N	18:46	294	19:37
2024	Jun	23	(Sun)	05:00	05:51	66	12:18	81N	18:46	294	19:37
2024	Jun	24	(Mon)	05:00	05:51	66	12:19	81N	18:46	294	19:37
2024	Jun	25	(Tue)	05:00	05:51	66	12:19	81N	18:46	294	19:37
2024	Jun	26	(Wed)	05:01	05:52	66	12:19	81N	18:46	294	19:37
2024	Jun	27	(Thu)	05:01	05:52	66	12:19	81N	18:46	294	19:38
2024	Jun	28	(Fri)	05:01	05:52	66	12:19	81N	18:47	294	19:38
2024	Jun	29	(Sat)	05:01	05:52	66	12:20	81N	18:47	294	19:38
2024	Jun	30	(Sun)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2024	Jul	01	(Mon)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2024	Jul	02	(Tue)	05:02	05:53	66	12:20	81N	18:47	294	19:38
2024	Jul	03	(Wed)	05:03	05:54	66	12:20	81N	18:47	294	19:38
2024	Jul	04	(Thu)	05:03	05:54	66	12:21	81N	18:47	294	19:38
2024	Jul	05	(Fri)	05:03	05:54	66	12:21	81N	18:47	294	19:38
2024	Jul	06	(Sat)	05:04	05:54	66	12:21	81N	18:47	293	19:38
2024	Jul	07	(Sun)	05:04	05:55	67	12:21	82N	18:47	293	19:38
2024	Jul	08	(Mon)	05:04	05:55	67	12:21	82N	18:47	293	19:38
2024	Jul	09	(Tue)	05:05	05:55	67	12:21	82N	18:47	293	19:38
2024	Jul	10	(Wed)	05:05	05:55	67	12:21	82N	18:47	293	19:38
2024	Jul	11	(Thu)	05:05	05:56	67	12:22	82N	18:47	293	19:38
2024	Jul	12	(Fri)	05:06	05:56	67	12:22	82N	18:47	293	19:38
2024	Jul	13	(Sat)	05:06	05:56	67	12:22	82N	18:47	293	19:38
2024	Jul	14	(Sun)	05:06	05:57	68	12:22	82N	18:47	292	19:38
2024	Jul	15	(Mon)	05:07	05:57	68	12:22	83N	18:47	292	19:37
2024	Jul	16	(Tue)	05:07	05:57	68	12:22	83N	18:47	292	19:37
2024	Jul	17	(Wed)	05:07	05:57	68	12:22	83N	18:47	292	19:37
2024	Jul	18	(Thu)	05:08	05:58	68	12:22	83N	18:47	292	19:37
2024	Jul	19	(Fri)	05:08	05:58	68	12:22	83N	18:47	292	19:37
2024	Jul	20	(Sat)	05:08	05:58	69	12:22	84N	18:47	291	19:36
2024	Jul	21	(Sun)	05:09	05:59	69	12:23	84N	18:46	291	19:36
2024	Jul	22	(Mon)	05:09	05:59	69	12:23	84N	18:46	291	19:36

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

2024	Oct	03	(Thu)	05:20	06:06	94	12:05	73S	18:04	266	18:50
2024	Oct	04	(Fri)	05:20	06:06	94	12:05	73S	18:04	265	18:50
2024	Oct	05	(Sat)	05:20	06:06	95	12:04	72S	18:03	265	18:49
2024	Oct	06	(Sun)	05:20	06:06	95	12:04	72S	18:02	265	18:48
2024	Oct	07	(Mon)	05:20	06:06	96	12:04	72S	18:02	264	18:48
2024	Oct	08	(Tue)	05:20	06:06	96	12:04	71S	18:01	264	18:47
2024	Oct	09	(Wed)	05:20	06:06	96	12:03	71S	18:00	263	18:46
2024	Oct	10	(Thu)	05:20	06:06	97	12:03	71S	18:00	263	18:46
2024	Oct	11	(Fri)	05:20	06:06	97	12:03	70S	17:59	263	18:45
2024	Oct	12	(Sat)	05:20	06:06	97	12:02	70S	17:59	262	18:45
2024	Oct	13	(Sun)	05:20	06:06	98	12:02	69S	17:58	262	18:44
2024	Oct	14	(Mon)	05:20	06:06	98	12:02	69S	17:57	262	18:44
2024	Oct	15	(Tue)	05:20	06:07	99	12:02	69S	17:57	261	18:43
2024	Oct	16	(Wed)	05:20	06:07	99	12:02	68S	17:56	261	18:43
2024	Oct	17	(Thu)	05:21	06:07	99	12:01	68S	17:56	260	18:42
2024	Oct	18	(Fri)	05:21	06:07	100	12:01	68S	17:55	260	18:42
2024	Oct	19	(Sat)	05:21	06:07	100	12:01	67S	17:55	260	18:41
2024	Oct	20	(Sun)	05:21	06:07	101	12:01	67S	17:54	259	18:41
2024	Oct	21	(Mon)	05:21	06:08	101	12:01	66S	17:54	259	18:40
2024	Oct	22	(Tue)	05:21	06:08	101	12:00	66S	17:53	259	18:40
2024	Oct	23	(Wed)	05:21	06:08	102	12:00	66S	17:53	258	18:39
2024	Oct	24	(Thu)	05:21	06:08	102	12:00	65S	17:52	258	18:39
2024	Oct	25	(Fri)	05:22	06:08	102	12:00	65S	17:52	258	18:38
2024	Oct	26	(Sat)	05:22	06:09	103	12:00	65S	17:51	257	18:38
2024	Oct	27	(Sun)	05:22	06:09	103	12:00	64S	17:51	257	18:38
2024	Oct	28	(Mon)	05:22	06:09	103	12:00	64S	17:50	256	18:37
2024	Oct	29	(Tue)	05:22	06:09	104	12:00	64S	17:50	256	18:37
2024	Oct	30	(Wed)	05:23	06:10	104	12:00	63S	17:50	256	18:37
2024	Oct	31	(Thu)	05:23	06:10	104	12:00	63S	17:49	255	18:36
2024	Nov	01	(Fri)	05:23	06:10	105	12:00	63S	17:49	255	18:36
2024	Nov	02	(Sat)	05:23	06:10	105	12:00	62S	17:49	255	18:36
2024	Nov	03	(Sun)	05:23	06:11	105	12:00	62S	17:48	254	18:36
2024	Nov	04	(Mon)	05:24	06:11	106	12:00	62S	17:48	254	18:35
2024	Nov	05	(Tue)	05:24	06:11	106	12:00	62S	17:48	254	18:35
2024	Nov	06	(Wed)	05:24	06:12	106	12:00	61S	17:47	254	18:35
2024	Nov	07	(Thu)	05:25	06:12	107	12:00	61S	17:47	253	18:35
2024	Nov	08	(Fri)	05:25	06:12	107	12:00	61S	17:47	253	18:35
2024	Nov	09	(Sat)	05:25	06:13	107	12:00	60S	17:47	253	18:35
2024	Nov	10	(Sun)	05:25	06:13	107	12:00	60S	17:47	252	18:34
2024	Nov	11	(Mon)	05:26	06:14	108	12:00	60S	17:46	252	18:34
2024	Nov	12	(Tue)	05:26	06:14	108	12:00	60S	17:46	252	18:34
2024	Nov	13	(Wed)	05:26	06:14	108	12:00	59S	17:46	252	18:34
2024	Nov	14	(Thu)	05:27	06:15	109	12:00	59S	17:46	251	18:34
2024	Nov	15	(Fri)	05:27	06:15	109	12:01	59S	17:46	251	18:34
2024	Nov	16	(Sat)	05:27	06:16	109	12:01	58S	17:46	251	18:34
2024	Nov	17	(Sun)	05:28	06:16	109	12:01	58S	17:46	250	18:34
2024	Nov	18	(Mon)	05:28	06:17	110	12:01	58S	17:46	250	18:34
2024	Nov	19	(Tue)	05:29	06:17	110	12:01	58S	17:46	250	18:34
2024	Nov	20	(Wed)	05:29	06:18	110	12:02	58S	17:46	250	18:34
2024	Nov	21	(Thu)	05:29	06:18	110	12:02	57S	17:46	250	18:34
2024	Nov	22	(Fri)	05:30	06:19	111	12:02	57S	17:46	249	18:34
2024	Nov	23	(Sat)	05:30	06:19	111	12:02	57S	17:46	249	18:35
2024	Nov	24	(Sun)	05:31	06:20	111	12:03	57S	17:46	249	18:35
2024	Nov	25	(Mon)	05:31	06:20	111	12:03	56S	17:46	249	18:35
2024	Nov	26	(Tue)	05:32	06:21	111	12:03	56S	17:46	249	18:35
2024	Nov	27	(Wed)	05:32	06:21	112	12:04	56S	17:46	248	18:35
2024	Nov	28	(Thu)	05:33	06:22	112	12:04	56S	17:46	248	18:35
2024	Nov	29	(Fri)	05:33	06:22	112	12:04	56S	17:47	248	18:36
2024	Nov	30	(Sat)	05:34	06:23	112	12:05	56S	17:47	248	18:36
2024	Dec	01	(Sun)	05:34	06:23	112	12:05	55S	17:47	248	18:36
2024	Dec	02	(Mon)	05:35	06:24	112	12:06	55S	17:47	248	18:36
2024	Dec	03	(Tue)	05:35	06:24	113	12:06	55S	17:47	247	18:37
2024	Dec	04	(Wed)	05:36	06:25	113	12:06	55S	17:48	247	18:37
2024	Dec	05	(Thu)	05:36	06:25	113	12:07	55S	17:48	247	18:37
2024	Dec	06	(Fri)	05:37	06:26	113	12:07	55S	17:48	247	18:38
2024	Dec	07	(Sat)	05:37	06:27	113	12:08	55S	17:49	247	18:38
2024	Dec	08	(Sun)	05:38	06:27	113	12:08	55S	17:49	247	18:38
2024	Dec	09	(Mon)	05:38	06:28	113	12:08	54S	17:49	247	18:39
2024	Dec	10	(Tue)	05:39	06:28	113	12:09	54S	17:50	247	18:39
2024	Dec	11	(Wed)	05:39	06:29	113	12:09	54S	17:50	246	18:40
2024	Dec	12	(Thu)	05:40	06:29	114	12:10	54S	17:50	246	18:40
2024	Dec	13	(Fri)	05:40	06:30	114	12:10	54S	17:51	246	18:40

2024	Dec 14	(Sat)	05:41	06:30	114	12:11	54S	17:51	246	18:41
2024	Dec 15	(Sun)	05:41	06:31	114	12:11	54S	17:52	246	18:41
2024	Dec 16	(Mon)	05:42	06:31	114	12:12	54S	17:52	246	18:42
2024	Dec 17	(Tue)	05:42	06:32	114	12:12	54S	17:53	246	18:42
2024	Dec 18	(Wed)	05:43	06:32	114	12:13	54S	17:53	246	18:43
2024	Dec 19	(Thu)	05:43	06:33	114	12:13	54S	17:53	246	18:43
2024	Dec 20	(Fri)	05:44	06:33	114	12:14	54S	17:54	246	18:44
2024	Dec 21	(Sat)	05:44	06:34	114	12:14	54S	17:54	246	18:44
2024	Dec 22	(Sun)	05:45	06:34	114	12:15	54S	17:55	246	18:45
2024	Dec 23	(Mon)	05:45	06:35	114	12:15	54S	17:55	246	18:45
2024	Dec 24	(Tue)	05:46	06:35	114	12:16	54S	17:56	246	18:46
2024	Dec 25	(Wed)	05:46	06:36	114	12:16	54S	17:56	246	18:46
2024	Dec 26	(Thu)	05:47	06:36	114	12:17	54S	17:57	246	18:47
2024	Dec 27	(Fri)	05:47	06:37	114	12:17	54S	17:58	246	18:47
2024	Dec 28	(Sat)	05:48	06:37	114	12:18	54S	17:58	246	18:48
2024	Dec 29	(Sun)	05:48	06:38	114	12:18	54S	17:59	246	18:48
2024	Dec 30	(Mon)	05:48	06:38	114	12:19	54S	17:59	246	18:49
2024	Dec 31	(Tue)	05:49	06:39	114	12:19	54S	18:00	246	18:49

Sun

Chonburi

Location: E100°59'23.9", N13°22'33.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight		Rise	Az.	Transit	Alt.	Set	Az.	End Civil Twilight	
	h	m	h	m	°	h	m	°	h	m
2024	Jan 01	(Mon)	06:16	06:39	114	12:19	54S	18:00	247	18:23
2024	Jan 02	(Tue)	06:16	06:39	113	12:20	54S	18:00	247	18:23
2024	Jan 03	(Wed)	06:16	06:39	113	12:20	54S	18:01	247	18:24
2024	Jan 04	(Thu)	06:17	06:40	113	12:21	55S	18:02	247	18:25
2024	Jan 05	(Fri)	06:17	06:40	113	12:21	55S	18:02	247	18:25
2024	Jan 06	(Sat)	06:17	06:40	113	12:22	55S	18:03	247	18:26
2024	Jan 07	(Sun)	06:18	06:41	113	12:22	55S	18:03	247	18:26
2024	Jan 08	(Mon)	06:18	06:41	113	12:22	55S	18:04	247	18:27
2024	Jan 09	(Tue)	06:18	06:41	113	12:23	55S	18:04	247	18:27
2024	Jan 10	(Wed)	06:19	06:42	113	12:23	55S	18:05	248	18:28
2024	Jan 11	(Thu)	06:19	06:42	112	12:24	55S	18:06	248	18:28
2024	Jan 12	(Fri)	06:19	06:42	112	12:24	56S	18:06	248	18:29
2024	Jan 13	(Sat)	06:19	06:42	112	12:24	56S	18:07	248	18:30
2024	Jan 14	(Sun)	06:20	06:42	112	12:25	56S	18:07	248	18:30
2024	Jan 15	(Mon)	06:20	06:43	112	12:25	56S	18:08	248	18:31
2024	Jan 16	(Tue)	06:20	06:43	111	12:26	56S	18:08	249	18:31
2024	Jan 17	(Wed)	06:20	06:43	111	12:26	56S	18:09	249	18:32
2024	Jan 18	(Thu)	06:20	06:43	111	12:26	57S	18:09	249	18:32
2024	Jan 19	(Fri)	06:21	06:43	111	12:27	57S	18:10	249	18:33
2024	Jan 20	(Sat)	06:21	06:43	111	12:27	57S	18:11	249	18:33
2024	Jan 21	(Sun)	06:21	06:43	110	12:27	57S	18:11	250	18:34
2024	Jan 22	(Mon)	06:21	06:43	110	12:27	58S	18:12	250	18:34
2024	Jan 23	(Tue)	06:21	06:43	110	12:28	58S	18:12	250	18:35
2024	Jan 24	(Wed)	06:21	06:43	110	12:28	58S	18:13	250	18:35
2024	Jan 25	(Thu)	06:21	06:43	109	12:28	58S	18:13	251	18:35
2024	Jan 26	(Fri)	06:21	06:43	109	12:28	58S	18:14	251	18:36
2024	Jan 27	(Sat)	06:21	06:43	109	12:29	59S	18:14	251	18:36
2024	Jan 28	(Sun)	06:21	06:43	109	12:29	59S	18:14	251	18:37
2024	Jan 29	(Mon)	06:21	06:43	108	12:29	59S	18:15	252	18:37
2024	Jan 30	(Tue)	06:21	06:43	108	12:29	60S	18:15	252	18:38
2024	Jan 31	(Wed)	06:21	06:43	108	12:29	60S	18:16	252	18:38
2024	Feb 01	(Thu)	06:21	06:43	108	12:29	60S	18:16	253	18:38
2024	Feb 02	(Fri)	06:21	06:43	107	12:30	60S	18:17	253	18:39
2024	Feb 03	(Sat)	06:20	06:43	107	12:30	61S	18:17	253	18:39
2024	Feb 04	(Sun)	06:20	06:42	107	12:30	61S	18:17	253	18:40
2024	Feb 05	(Mon)	06:20	06:42	106	12:30	61S	18:18	254	18:40
2024	Feb 06	(Tue)	06:20	06:42	106	12:30	62S	18:18	254	18:40
2024	Feb 07	(Wed)	06:20	06:42	106	12:30	62S	18:19	254	18:41
2024	Feb 08	(Thu)	06:19	06:41	105	12:30	62S	18:19	255	18:41
2024	Feb 09	(Fri)	06:19	06:41	105	12:30	63S	18:19	255	18:41
2024	Feb 10	(Sat)	06:19	06:41	105	12:30	63S	18:20	255	18:42

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

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

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

2024	Sep	14	(Sat)	05:44	06:05	86	12:12	81S	18:18	273	18:39
2024	Sep	15	(Sun)	05:44	06:05	87	12:11	80S	18:17	273	18:38
2024	Sep	16	(Mon)	05:44	06:05	87	12:11	80S	18:16	273	18:38
2024	Sep	17	(Tue)	05:44	06:05	88	12:10	79S	18:16	272	18:37
2024	Sep	18	(Wed)	05:44	06:05	88	12:10	79S	18:15	272	18:36
2024	Sep	19	(Thu)	05:44	06:05	88	12:10	79S	18:14	271	18:35
2024	Sep	20	(Fri)	05:44	06:05	89	12:09	78S	18:13	271	18:35
2024	Sep	21	(Sat)	05:44	06:05	89	12:09	78S	18:13	271	18:34
2024	Sep	22	(Sun)	05:44	06:05	90	12:09	77S	18:12	270	18:33
2024	Sep	23	(Mon)	05:44	06:05	90	12:08	77S	18:11	270	18:33
2024	Sep	24	(Tue)	05:44	06:05	90	12:08	77S	18:11	269	18:32
2024	Sep	25	(Wed)	05:44	06:05	91	12:08	76S	18:10	269	18:31
2024	Sep	26	(Thu)	05:44	06:05	91	12:07	76S	18:09	269	18:30
2024	Sep	27	(Fri)	05:44	06:05	92	12:07	76S	18:08	268	18:30
2024	Sep	28	(Sat)	05:44	06:05	92	12:07	75S	18:08	268	18:29
2024	Sep	29	(Sun)	05:44	06:05	92	12:06	75S	18:07	267	18:28
2024	Sep	30	(Mon)	05:44	06:05	93	12:06	74S	18:06	267	18:28
2024	Oct	01	(Tue)	05:44	06:05	93	12:06	74S	18:06	267	18:27
2024	Oct	02	(Wed)	05:44	06:05	94	12:05	74S	18:05	266	18:26
2024	Oct	03	(Thu)	05:44	06:06	94	12:05	73S	18:04	266	18:26
2024	Oct	04	(Fri)	05:44	06:06	94	12:05	73S	18:04	265	18:25
2024	Oct	05	(Sat)	05:44	06:06	95	12:04	72S	18:03	265	18:24
2024	Oct	06	(Sun)	05:44	06:06	95	12:04	72S	18:02	265	18:24
2024	Oct	07	(Mon)	05:44	06:06	96	12:04	72S	18:02	264	18:23
2024	Oct	08	(Tue)	05:45	06:06	96	12:04	71S	18:01	264	18:22
2024	Oct	09	(Wed)	05:45	06:06	96	12:03	71S	18:00	263	18:22
2024	Oct	10	(Thu)	05:45	06:06	97	12:03	71S	18:00	263	18:21
2024	Oct	11	(Fri)	05:45	06:06	97	12:03	70S	17:59	263	18:21
2024	Oct	12	(Sat)	05:45	06:06	97	12:02	70S	17:59	262	18:20
2024	Oct	13	(Sun)	05:45	06:06	98	12:02	69S	17:58	262	18:19
2024	Oct	14	(Mon)	05:45	06:06	98	12:02	69S	17:57	262	18:19
2024	Oct	15	(Tue)	05:45	06:07	99	12:02	69S	17:57	261	18:18
2024	Oct	16	(Wed)	05:45	06:07	99	12:02	68S	17:56	261	18:18
2024	Oct	17	(Thu)	05:45	06:07	99	12:01	68S	17:56	260	18:17
2024	Oct	18	(Fri)	05:46	06:07	100	12:01	68S	17:55	260	18:17
2024	Oct	19	(Sat)	05:46	06:07	100	12:01	67S	17:55	260	18:16
2024	Oct	20	(Sun)	05:46	06:07	101	12:01	67S	17:54	259	18:16
2024	Oct	21	(Mon)	05:46	06:08	101	12:01	66S	17:54	259	18:15
2024	Oct	22	(Tue)	05:46	06:08	101	12:00	66S	17:53	259	18:15
2024	Oct	23	(Wed)	05:46	06:08	102	12:00	66S	17:53	258	18:14
2024	Oct	24	(Thu)	05:46	06:08	102	12:00	65S	17:52	258	18:14
2024	Oct	25	(Fri)	05:47	06:08	102	12:00	65S	17:52	258	18:13
2024	Oct	26	(Sat)	05:47	06:09	103	12:00	65S	17:51	257	18:13
2024	Oct	27	(Sun)	05:47	06:09	103	12:00	64S	17:51	257	18:13
2024	Oct	28	(Mon)	05:47	06:09	103	12:00	64S	17:50	256	18:12
2024	Oct	29	(Tue)	05:48	06:09	104	12:00	64S	17:50	256	18:12
2024	Oct	30	(Wed)	05:48	06:10	104	12:00	63S	17:50	256	18:11
2024	Oct	31	(Thu)	05:48	06:10	104	12:00	63S	17:49	255	18:11
2024	Nov	01	(Fri)	05:48	06:10	105	12:00	63S	17:49	255	18:11
2024	Nov	02	(Sat)	05:49	06:10	105	12:00	62S	17:49	255	18:10
2024	Nov	03	(Sun)	05:49	06:11	105	12:00	62S	17:48	254	18:10
2024	Nov	04	(Mon)	05:49	06:11	106	12:00	62S	17:48	254	18:10
2024	Nov	05	(Tue)	05:49	06:11	106	12:00	62S	17:48	254	18:10
2024	Nov	06	(Wed)	05:50	06:12	106	12:00	61S	17:47	254	18:09
2024	Nov	07	(Thu)	05:50	06:12	107	12:00	61S	17:47	253	18:09
2024	Nov	08	(Fri)	05:50	06:12	107	12:00	61S	17:47	253	18:09
2024	Nov	09	(Sat)	05:51	06:13	107	12:00	60S	17:47	253	18:09
2024	Nov	10	(Sun)	05:51	06:13	107	12:00	60S	17:47	252	18:09
2024	Nov	11	(Mon)	05:51	06:14	108	12:00	60S	17:46	252	18:09
2024	Nov	12	(Tue)	05:52	06:14	108	12:00	60S	17:46	252	18:09
2024	Nov	13	(Wed)	05:52	06:14	108	12:00	59S	17:46	252	18:08
2024	Nov	14	(Thu)	05:53	06:15	109	12:00	59S	17:46	251	18:08
2024	Nov	15	(Fri)	05:53	06:15	109	12:01	59S	17:46	251	18:08
2024	Nov	16	(Sat)	05:53	06:16	109	12:01	58S	17:46	251	18:08
2024	Nov	17	(Sun)	05:54	06:16	109	12:01	58S	17:46	250	18:08
2024	Nov	18	(Mon)	05:54	06:17	110	12:01	58S	17:46	250	18:08
2024	Nov	19	(Tue)	05:55	06:17	110	12:01	58S	17:46	250	18:08
2024	Nov	20	(Wed)	05:55	06:18	110	12:02	58S	17:46	250	18:08
2024	Nov	21	(Thu)	05:55	06:18	110	12:02	57S	17:46	250	18:08
2024	Nov	22	(Fri)	05:56	06:19	111	12:02	57S	17:46	249	18:08
2024	Nov	23	(Sat)	05:56	06:19	111	12:02	57S	17:46	249	18:08
2024	Nov	24	(Sun)	05:57	06:20	111	12:03	57S	17:46	249	18:09

2024	Nov	25	(Mon)	05:57	06:20	111	12:03	56S	17:46	249	18:09
2024	Nov	26	(Tue)	05:58	06:21	111	12:03	56S	17:46	249	18:09
2024	Nov	27	(Wed)	05:58	06:21	112	12:04	56S	17:46	248	18:09
2024	Nov	28	(Thu)	05:59	06:22	112	12:04	56S	17:46	248	18:09
2024	Nov	29	(Fri)	05:59	06:22	112	12:04	56S	17:47	248	18:09
2024	Nov	30	(Sat)	06:00	06:23	112	12:05	56S	17:47	248	18:10
2024	Dec	01	(Sun)	06:00	06:23	112	12:05	55S	17:47	248	18:10
2024	Dec	02	(Mon)	06:01	06:24	112	12:06	55S	17:47	248	18:10
2024	Dec	03	(Tue)	06:01	06:24	113	12:06	55S	17:47	247	18:10
2024	Dec	04	(Wed)	06:02	06:25	113	12:06	55S	17:48	247	18:11
2024	Dec	05	(Thu)	06:02	06:25	113	12:07	55S	17:48	247	18:11
2024	Dec	06	(Fri)	06:03	06:26	113	12:07	55S	17:48	247	18:11
2024	Dec	07	(Sat)	06:04	06:27	113	12:08	55S	17:49	247	18:12
2024	Dec	08	(Sun)	06:04	06:27	113	12:08	55S	17:49	247	18:12
2024	Dec	09	(Mon)	06:05	06:28	113	12:08	54S	17:49	247	18:12
2024	Dec	10	(Tue)	06:05	06:28	113	12:09	54S	17:50	247	18:13
2024	Dec	11	(Wed)	06:06	06:29	113	12:09	54S	17:50	246	18:13
2024	Dec	12	(Thu)	06:06	06:29	114	12:10	54S	17:50	246	18:13
2024	Dec	13	(Fri)	06:07	06:30	114	12:10	54S	17:51	246	18:14
2024	Dec	14	(Sat)	06:07	06:30	114	12:11	54S	17:51	246	18:14
2024	Dec	15	(Sun)	06:08	06:31	114	12:11	54S	17:52	246	18:15
2024	Dec	16	(Mon)	06:08	06:31	114	12:12	54S	17:52	246	18:15
2024	Dec	17	(Tue)	06:09	06:32	114	12:12	54S	17:53	246	18:16
2024	Dec	18	(Wed)	06:09	06:32	114	12:13	54S	17:53	246	18:16
2024	Dec	19	(Thu)	06:10	06:33	114	12:13	54S	17:53	246	18:17
2024	Dec	20	(Fri)	06:10	06:33	114	12:14	54S	17:54	246	18:17
2024	Dec	21	(Sat)	06:11	06:34	114	12:14	54S	17:54	246	18:18
2024	Dec	22	(Sun)	06:11	06:34	114	12:15	54S	17:55	246	18:18
2024	Dec	23	(Mon)	06:12	06:35	114	12:15	54S	17:55	246	18:19
2024	Dec	24	(Tue)	06:12	06:35	114	12:16	54S	17:56	246	18:19
2024	Dec	25	(Wed)	06:13	06:36	114	12:16	54S	17:56	246	18:20
2024	Dec	26	(Thu)	06:13	06:36	114	12:17	54S	17:57	246	18:20
2024	Dec	27	(Fri)	06:14	06:37	114	12:17	54S	17:58	246	18:21
2024	Dec	28	(Sat)	06:14	06:37	114	12:18	54S	17:58	246	18:21
2024	Dec	29	(Sun)	06:15	06:38	114	12:18	54S	17:59	246	18:22
2024	Dec	30	(Mon)	06:15	06:38	114	12:19	54S	17:59	246	18:22
2024	Dec	31	(Tue)	06:15	06:39	114	12:19	54S	18:00	246	18:23

Moon

Chonburi

Location: E100°59'23.9", N13°22'33.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise Az.			Transit Alt.			Set Az.		
	h	m	°	h	m	°	h	m	°
2024 Jan 01 (Mon)	22:29	80		04:07	91S		10:29	282	
2024 Jan 02 (Tue)	23:14	86		04:47	85S		11:03	277	
2024 Jan 03 (Wed)	23:58	92		05:27	79S		11:37	271	
2024 Jan 04 (Thu)				06:06	73S		12:10	265	
2024 Jan 05 (Fri)	00:44	98		06:46	68S		12:46	259	
2024 Jan 06 (Sat)	01:32	104		07:29	62S		13:24	253	
2024 Jan 07 (Sun)	02:23	109		08:16	57S		14:06	248	
2024 Jan 08 (Mon)	03:19	114		09:07	53S		14:54	244	
2024 Jan 09 (Tue)	04:19	117		10:05	50S		15:49	242	
2024 Jan 10 (Wed)	05:22	119		11:06	49S		16:51	241	
2024 Jan 11 (Thu)	06:25	119		12:10	49S		17:56	242	
2024 Jan 12 (Fri)	07:25	116		13:13	52S		19:02	246	
2024 Jan 13 (Sat)	08:20	112		14:12	57S		20:07	251	
2024 Jan 14 (Sun)	09:10	106		15:08	63S		21:08	257	
2024 Jan 15 (Mon)	09:56	99		15:59	70S		22:05	264	
2024 Jan 16 (Tue)	10:38	92		16:48	77S		23:01	272	
2024 Jan 17 (Wed)	11:19	85		17:36	84S		23:55	279	
2024 Jan 18 (Thu)	12:01	78		18:24	90S				
2024 Jan 19 (Fri)	12:44	72		19:13	85N		00:50	285	
2024 Jan 20 (Sat)	13:29	67		20:05	81N		01:46	291	
2024 Jan 21 (Sun)	14:18	64		20:58	77N		02:43	295	
2024 Jan 22 (Mon)	15:10	61		21:54	76N		03:40	298	
2024 Jan 23 (Tue)	16:05	61		22:49	76N		04:37	299	

2024	Jan	24	(Wed)	17:01	62	23:42	77N	05:32	299
2024	Jan	25	(Thu)	17:55	65			06:22	297
2024	Jan	26	(Fri)	18:47	69	00:33	80N	07:08	293
2024	Jan	27	(Sat)	19:37	73	01:20	84N	07:49	289
2024	Jan	28	(Sun)	20:24	79	02:03	89N	08:27	284
2024	Jan	29	(Mon)	21:09	84	02:44	87S	09:02	279
2024	Jan	30	(Tue)	21:54	90	03:24	81S	09:36	273
2024	Jan	31	(Wed)	22:38	96	04:03	75S	10:09	267
2024	Feb	01	(Thu)	23:24	102	04:42	70S	10:43	261
2024	Feb	02	(Fri)			05:23	64S	11:19	255
2024	Feb	03	(Sat)	00:13	107	06:07	59S	11:58	250
2024	Feb	04	(Sun)	01:05	112	06:55	54S	12:43	246
2024	Feb	05	(Mon)	02:02	116	07:48	51S	13:33	243
2024	Feb	06	(Tue)	03:02	119	08:46	49S	14:30	241
2024	Feb	07	(Wed)	04:04	119	09:48	49S	15:33	241
2024	Feb	08	(Thu)	05:05	118	10:51	50S	16:39	244
2024	Feb	09	(Fri)	06:04	114	11:53	54S	17:45	248
2024	Feb	10	(Sat)	06:57	109	12:52	60S	18:49	254
2024	Feb	11	(Sun)	07:46	102	13:46	67S	19:50	261
2024	Feb	12	(Mon)	08:31	95	14:38	74S	20:49	269
2024	Feb	13	(Tue)	09:14	88	15:28	81S	21:46	276
2024	Feb	14	(Wed)	09:57	80	16:18	88S	22:42	283
2024	Feb	15	(Thu)	10:40	74	17:08	87N	23:40	289
2024	Feb	16	(Fri)	11:26	68	18:00	82N		
2024	Feb	17	(Sat)	12:15	64	18:54	78N	00:37	294
2024	Feb	18	(Sun)	13:07	62	19:49	76N	01:36	297
2024	Feb	19	(Mon)	14:01	61	20:44	75N	02:33	299
2024	Feb	20	(Tue)	14:56	61	21:38	77N	03:28	299
2024	Feb	21	(Wed)	15:50	64	22:29	79N	04:19	298
2024	Feb	22	(Thu)	16:43	67	23:17	83N	05:06	295
2024	Feb	23	(Fri)	17:33	72			05:48	291
2024	Feb	24	(Sat)	18:20	77	00:01	87N	06:27	286
2024	Feb	25	(Sun)	19:06	82	00:43	89S	07:03	280
2024	Feb	26	(Mon)	19:51	88	01:23	83S	07:37	275
2024	Feb	27	(Tue)	20:35	94	02:02	77S	08:10	269
2024	Feb	28	(Wed)	21:21	100	02:41	72S	08:43	263
2024	Feb	29	(Thu)	22:08	106	03:21	66S	09:18	257
2024	Mar	01	(Fri)	22:58	111	04:03	60S	09:56	252
2024	Mar	02	(Sat)	23:52	115	04:49	56S	10:37	247
2024	Mar	03	(Sun)			05:39	52S	11:24	244
2024	Mar	04	(Mon)	00:48	118	06:33	49S	12:17	241
2024	Mar	05	(Tue)	01:48	119	07:31	48S	13:15	241
2024	Mar	06	(Wed)	02:48	119	08:32	49S	14:18	242
2024	Mar	07	(Thu)	03:46	116	09:33	52S	15:22	245
2024	Mar	08	(Fri)	04:41	112	10:32	57S	16:26	251
2024	Mar	09	(Sat)	05:31	106	11:29	63S	17:29	257
2024	Mar	10	(Sun)	06:18	99	12:22	70S	18:29	265
2024	Mar	11	(Mon)	07:03	91	13:14	78S	19:28	272
2024	Mar	12	(Tue)	07:47	84	14:05	85S	20:27	280
2024	Mar	13	(Wed)	08:32	77	14:57	89N	21:26	287
2024	Mar	14	(Thu)	09:18	71	15:50	84N	22:26	292
2024	Mar	15	(Fri)	10:07	66	16:46	79N	23:26	296
2024	Mar	16	(Sat)	11:00	62	17:42	76N		
2024	Mar	17	(Sun)	11:54	61	18:39	75N	00:26	299
2024	Mar	18	(Mon)	12:50	61	19:34	76N	01:23	299
2024	Mar	19	(Tue)	13:45	63	20:26	78N	02:16	298
2024	Mar	20	(Wed)	14:39	66	21:15	81N	03:04	296
2024	Mar	21	(Thu)	15:29	70	22:00	86N	03:48	292
2024	Mar	22	(Fri)	16:17	75	22:42	91S	04:27	288
2024	Mar	23	(Sat)	17:04	80	23:22	85S	05:04	282
2024	Mar	24	(Sun)	17:49	86			05:38	277
2024	Mar	25	(Mon)	18:33	92	00:01	79S	06:11	271
2024	Mar	26	(Tue)	19:18	98	00:40	73S	06:45	265
2024	Mar	27	(Wed)	20:05	104	01:20	68S	07:19	259
2024	Mar	28	(Thu)	20:54	109	02:02	62S	07:56	253
2024	Mar	29	(Fri)	21:47	114	02:46	57S	08:36	249
2024	Mar	30	(Sat)	22:42	117	03:35	53S	09:21	245
2024	Mar	31	(Sun)	23:40	119	04:27	50S	10:11	242
2024	Apr	01	(Mon)			05:23	48S	11:06	241
2024	Apr	02	(Tue)	00:38	119	06:21	48S	12:05	241
2024	Apr	03	(Wed)	01:35	118	07:20	50S	13:07	244
2024	Apr	04	(Thu)	02:29	114	08:18	54S	14:09	248

2024 Apr 05 (Fri)	03:20 109	09:14 60S	15:10 254
2024 Apr 06 (Sat)	04:07 103	10:07 66S	16:10 261
2024 Apr 07 (Sun)	04:51 96	10:58 73S	17:08 268
2024 Apr 08 (Mon)	05:35 88	11:49 81S	18:07 276
2024 Apr 09 (Tue)	06:19 80	12:41 88S	19:06 283
2024 Apr 10 (Wed)	07:05 74	13:34 86N	20:07 290
2024 Apr 11 (Thu)	07:54 68	14:30 81N	21:09 295
2024 Apr 12 (Fri)	08:47 64	15:28 77N	22:12 298
2024 Apr 13 (Sat)	09:43 61	16:27 76N	23:12 299
2024 Apr 14 (Sun)	10:40 61	17:25 75N	
2024 Apr 15 (Mon)	11:37 62	18:19 77N	00:08 299
2024 Apr 16 (Tue)	12:32 65	19:10 80N	01:00 297
2024 Apr 17 (Wed)	13:24 68	19:57 84N	01:46 294
2024 Apr 18 (Thu)	14:14 73	20:40 89N	02:27 289
2024 Apr 19 (Fri)	15:00 78	21:21 87S	03:04 284
2024 Apr 20 (Sat)	15:46 84	22:00 81S	03:39 279
2024 Apr 21 (Sun)	16:30 90	22:39 75S	04:12 273
2024 Apr 22 (Mon)	17:15 96	23:19 70S	04:46 267
2024 Apr 23 (Tue)	18:02 102		05:20 261
2024 Apr 24 (Wed)	18:50 108	00:00 64S	05:56 255
2024 Apr 25 (Thu)	19:42 112	00:44 59S	06:35 250
2024 Apr 26 (Fri)	20:37 116	01:31 54S	07:19 246
2024 Apr 27 (Sat)	21:34 119	02:23 51S	08:07 243
2024 Apr 28 (Sun)	22:33 119	03:18 49S	09:01 241
2024 Apr 29 (Mon)	23:30 118	04:16 48S	09:59 241
2024 Apr 30 (Tue)		05:14 50S	10:59 243
2024 May 01 (Wed)	00:24 116	06:11 53S	12:00 246
2024 May 02 (Thu)	01:14 111	07:06 58S	13:00 251
2024 May 03 (Fri)	02:01 105	07:58 63S	13:58 258
2024 May 04 (Sat)	02:44 99	08:48 70S	14:55 265
2024 May 05 (Sun)	03:27 91	09:37 78S	15:51 272
2024 May 06 (Mon)	04:09 84	10:27 85S	16:49 280
2024 May 07 (Tue)	04:54 77	11:19 90N	17:48 286
2024 May 08 (Wed)	05:41 71	12:13 84N	18:49 292
2024 May 09 (Thu)	06:32 66	13:11 79N	19:52 296
2024 May 10 (Fri)	07:27 62	14:10 76N	20:55 299
2024 May 11 (Sat)	08:25 61	15:10 75N	21:55 299
2024 May 12 (Sun)	09:24 61	16:08 76N	22:50 298
2024 May 13 (Mon)	10:22 63	17:02 79N	23:39 295
2024 May 14 (Tue)	11:16 67	17:51 82N	
2024 May 15 (Wed)	12:07 71	18:36 87N	00:23 291
2024 May 16 (Thu)	12:55 77	19:18 89S	01:02 286
2024 May 17 (Fri)	13:41 82	19:58 83S	01:38 281
2024 May 18 (Sat)	14:26 88	20:37 78S	02:12 275
2024 May 19 (Sun)	15:10 94	21:16 72S	02:45 269
2024 May 20 (Mon)	15:56 100	21:57 66S	03:19 263
2024 May 21 (Tue)	16:44 106	22:40 60S	03:54 257
2024 May 22 (Wed)	17:35 111	23:26 56S	04:33 252
2024 May 23 (Thu)	18:30 115		05:15 247
2024 May 24 (Fri)	19:27 118	00:17 52S	06:02 244
2024 May 25 (Sat)	20:26 119	01:12 49S	06:55 241
2024 May 26 (Sun)	21:25 119	02:10 48S	07:53 241
2024 May 27 (Mon)	22:20 116	03:09 49S	08:54 242
2024 May 28 (Tue)	23:12 112	04:07 52S	09:55 245
2024 May 29 (Wed)	23:59 107	05:02 56S	10:55 250
2024 May 30 (Thu)		05:54 62S	11:52 256
2024 May 31 (Fri)	00:43 101	06:44 68S	12:48 263
2024 Jun 01 (Sat)	01:24 94	07:32 75S	13:43 270
2024 Jun 02 (Sun)	02:05 87	08:20 82S	14:38 277
2024 Jun 03 (Mon)	02:47 80	09:09 89S	15:35 284
2024 Jun 04 (Tue)	03:32 73	10:01 86N	16:34 290
2024 Jun 05 (Wed)	04:20 68	10:56 81N	17:35 295
2024 Jun 06 (Thu)	05:13 64	11:54 77N	18:38 298
2024 Jun 07 (Fri)	06:10 61	12:54 76N	19:39 299
2024 Jun 08 (Sat)	07:09 61	13:53 76N	20:37 299
2024 Jun 09 (Sun)	08:08 62	14:50 78N	21:30 296
2024 Jun 10 (Mon)	09:05 65	15:42 81N	22:16 293
2024 Jun 11 (Tue)	09:58 70	16:29 85N	22:58 288
2024 Jun 12 (Wed)	10:48 75	17:13 90N	23:35 283
2024 Jun 13 (Thu)	11:35 80	17:54 86S	
2024 Jun 14 (Fri)	12:20 86	18:33 80S	00:10 277
2024 Jun 15 (Sat)	13:04 92	19:12 74S	00:44 271

2024 Jun 16 (Sun)	13:50 98	19:52 68S	01:17 265
2024 Jun 17 (Mon)	14:36 103	20:33 63S	01:51 259
2024 Jun 18 (Tue)	15:26 109	21:18 57S	02:28 254
2024 Jun 19 (Wed)	16:19 113	22:07 53S	03:09 249
2024 Jun 20 (Thu)	17:16 117	23:01 50S	03:54 245
2024 Jun 21 (Fri)	18:15 119	23:59 48S	04:45 242
2024 Jun 22 (Sat)	19:15 119		05:42 241
2024 Jun 23 (Sun)	20:13 117	00:59 49S	06:43 241
2024 Jun 24 (Mon)	21:07 114	01:59 51S	07:46 244
2024 Jun 25 (Tue)	21:57 109	02:56 55S	08:48 248
2024 Jun 26 (Wed)	22:42 103	03:50 60S	09:47 254
2024 Jun 27 (Thu)	23:24 96	04:41 66S	10:44 261
2024 Jun 28 (Fri)		05:30 73S	11:39 268
2024 Jun 29 (Sat)	00:05 89	06:18 80S	12:34 275
2024 Jun 30 (Sun)	00:46 82	07:06 87S	13:29 282
2024 Jul 01 (Mon)	01:29 75	07:55 88N	14:26 288
2024 Jul 02 (Tue)	02:15 69	08:48 83N	15:25 293
2024 Jul 03 (Wed)	03:04 65	09:44 78N	16:26 297
2024 Jul 04 (Thu)	03:59 62	10:42 76N	17:27 299
2024 Jul 05 (Fri)	04:56 61	11:41 75N	18:25 299
2024 Jul 06 (Sat)	05:55 62	12:38 77N	19:20 297
2024 Jul 07 (Sun)	06:53 64	13:32 79N	20:09 294
2024 Jul 08 (Mon)	07:48 68	14:22 83N	20:53 290
2024 Jul 09 (Tue)	08:39 73	15:07 88N	21:32 285
2024 Jul 10 (Wed)	09:28 78	15:49 88S	22:08 279
2024 Jul 11 (Thu)	10:14 84	16:29 82S	22:42 273
2024 Jul 12 (Fri)	10:59 90	17:08 76S	23:15 267
2024 Jul 13 (Sat)	11:43 96	17:47 70S	23:49 262
2024 Jul 14 (Sun)	12:29 101	18:28 65S	
2024 Jul 15 (Mon)	13:16 107	19:11 59S	00:24 256
2024 Jul 16 (Tue)	14:07 112	19:57 55S	01:02 251
2024 Jul 17 (Wed)	15:02 116	20:48 51S	01:45 246
2024 Jul 18 (Thu)	16:00 118	21:44 49S	02:33 243
2024 Jul 19 (Fri)	17:00 119	22:44 48S	03:28 241
2024 Jul 20 (Sat)	18:00 118	23:45 50S	04:28 241
2024 Jul 21 (Sun)	18:57 115		05:31 243
2024 Jul 22 (Mon)	19:49 111	00:44 53S	06:34 246
2024 Jul 23 (Tue)	20:37 105	01:41 58S	07:36 252
2024 Jul 24 (Wed)	21:22 98	02:35 64S	08:36 258
2024 Jul 25 (Thu)	22:04 91	03:26 71S	09:33 266
2024 Jul 26 (Fri)	22:45 83	04:15 78S	10:29 273
2024 Jul 27 (Sat)	23:28 77	05:03 85S	11:24 280
2024 Jul 28 (Sun)		05:53 89N	12:21 287
2024 Jul 29 (Mon)	00:13 71	06:44 84N	13:19 292
2024 Jul 30 (Tue)	01:01 66	07:39 79N	14:19 296
2024 Jul 31 (Wed)	01:53 62	08:35 77N	15:19 299
2024 Aug 01 (Thu)	02:49 61	09:33 75N	16:18 299
2024 Aug 02 (Fri)	03:47 61	10:30 76N	17:13 298
2024 Aug 03 (Sat)	04:44 63	11:25 78N	18:04 295
2024 Aug 04 (Sun)	05:40 66	12:16 82N	18:49 292
2024 Aug 05 (Mon)	06:32 71	13:02 86N	19:29 287
2024 Aug 06 (Tue)	07:22 76	13:46 90S	20:06 281
2024 Aug 07 (Wed)	08:09 82	14:26 84S	20:41 275
2024 Aug 08 (Thu)	08:54 88	15:05 78S	21:14 269
2024 Aug 09 (Fri)	09:38 94	15:44 72S	21:47 264
2024 Aug 10 (Sat)	10:23 99	16:24 67S	22:22 258
2024 Aug 11 (Sun)	11:09 105	17:05 61S	22:58 253
2024 Aug 12 (Mon)	11:58 110	17:49 56S	23:38 248
2024 Aug 13 (Tue)	12:50 114	18:37 52S	
2024 Aug 14 (Wed)	13:46 117	19:30 50S	00:23 244
2024 Aug 15 (Thu)	14:44 119	20:27 48S	01:14 242
2024 Aug 16 (Fri)	15:43 119	21:27 49S	02:10 241
2024 Aug 17 (Sat)	16:41 117	22:27 51S	03:11 241
2024 Aug 18 (Sun)	17:36 113	23:26 55S	04:15 244
2024 Aug 19 (Mon)	18:27 108		05:18 249
2024 Aug 20 (Tue)	19:13 101	00:22 61S	06:20 255
2024 Aug 21 (Wed)	19:58 94	01:15 68S	07:20 262
2024 Aug 22 (Thu)	20:41 86	02:06 75S	08:18 270
2024 Aug 23 (Fri)	21:24 79	02:56 83S	09:16 278
2024 Aug 24 (Sat)	22:09 72	03:47 90S	10:14 285
2024 Aug 25 (Sun)	22:57 67	04:39 85N	11:13 291
2024 Aug 26 (Mon)	23:49 63	05:34 80N	12:13 295

2024 Aug 27 (Tue)		06:31 77N	13:14 298
2024 Aug 28 (Wed)	00:44 61	07:29 75N	14:13 299
2024 Aug 29 (Thu)	01:41 61	08:26 76N	15:09 299
2024 Aug 30 (Fri)	02:39 62	09:21 77N	16:01 297
2024 Aug 31 (Sat)	03:34 65	10:12 81N	16:47 293
2024 Sep 01 (Sun)	04:27 69	10:59 85N	17:29 288
2024 Sep 02 (Mon)	05:17 74	11:43 90N	18:06 283
2024 Sep 03 (Tue)	06:05 80	12:25 86S	18:41 277
2024 Sep 04 (Wed)	06:50 85	13:04 80S	19:15 272
2024 Sep 05 (Thu)	07:35 91	13:43 74S	19:48 266
2024 Sep 06 (Fri)	08:19 97	14:22 68S	20:21 260
2024 Sep 07 (Sat)	09:05 103	15:02 63S	20:57 254
2024 Sep 08 (Sun)	09:52 108	15:45 58S	21:35 249
2024 Sep 09 (Mon)	10:43 113	16:31 54S	22:17 245
2024 Sep 10 (Tue)	11:36 117	17:21 50S	23:05 242
2024 Sep 11 (Wed)	12:32 119	18:15 48S	23:57 241
2024 Sep 12 (Thu)	13:29 120	19:12 48S	
2024 Sep 13 (Fri)	14:26 119	20:10 50S	00:55 241
2024 Sep 14 (Sat)	15:21 116	21:09 53S	01:56 243
2024 Sep 15 (Sun)	16:13 111	22:05 58S	02:58 246
2024 Sep 16 (Mon)	17:01 105	22:59 64S	04:00 252
2024 Sep 17 (Tue)	17:47 98	23:52 71S	05:01 259
2024 Sep 18 (Wed)	18:31 90		06:00 266
2024 Sep 19 (Thu)	19:15 82	00:43 79S	06:59 274
2024 Sep 20 (Fri)	20:01 75	01:35 87S	07:59 281
2024 Sep 21 (Sat)	20:49 69	02:28 88N	08:59 288
2024 Sep 22 (Sun)	21:42 64	03:24 82N	10:02 294
2024 Sep 23 (Mon)	22:37 61	04:22 78N	11:05 297
2024 Sep 24 (Tue)	23:35 60	05:21 76N	12:06 299
2024 Sep 25 (Wed)		06:20 75N	13:05 299
2024 Sep 26 (Thu)	00:33 61	07:17 77N	13:58 298
2024 Sep 27 (Fri)	01:30 64	08:09 79N	14:46 294
2024 Sep 28 (Sat)	02:24 68	08:58 83N	15:29 290
2024 Sep 29 (Sun)	03:15 72	09:42 88N	16:07 285
2024 Sep 30 (Mon)	04:02 78	10:24 88S	16:43 279
2024 Oct 01 (Tue)	04:48 84	11:04 82S	17:16 273
2024 Oct 02 (Wed)	05:33 89	11:42 76S	17:49 268
2024 Oct 03 (Thu)	06:17 95	12:21 70S	18:23 262
2024 Oct 04 (Fri)	07:02 101	13:01 65S	18:58 256
2024 Oct 05 (Sat)	07:49 107	13:43 59S	19:35 251
2024 Oct 06 (Sun)	08:38 112	14:28 55S	20:16 247
2024 Oct 07 (Mon)	09:30 115	15:16 51S	21:01 243
2024 Oct 08 (Tue)	10:25 118	16:08 49S	21:51 241
2024 Oct 09 (Wed)	11:21 120	17:03 48S	22:45 240
2024 Oct 10 (Thu)	12:16 119	17:59 49S	23:43 242
2024 Oct 11 (Fri)	13:11 117	18:56 51S	
2024 Oct 12 (Sat)	14:02 113	19:51 55S	00:43 245
2024 Oct 13 (Sun)	14:50 108	20:45 61S	01:43 249
2024 Oct 14 (Mon)	15:35 101	21:36 68S	02:42 255
2024 Oct 15 (Tue)	16:19 94	22:27 75S	03:41 262
2024 Oct 16 (Wed)	17:03 86	23:18 83S	04:39 270
2024 Oct 17 (Thu)	17:48 79		05:38 277
2024 Oct 18 (Fri)	18:36 72	00:11 90S	06:39 285
2024 Oct 19 (Sat)	19:28 66	01:07 85N	07:42 291
2024 Oct 20 (Sun)	20:24 63	02:06 80N	08:47 296
2024 Oct 21 (Mon)	21:23 61	03:07 76N	09:52 299
2024 Oct 22 (Tue)	22:23 61	04:08 75N	10:54 299
2024 Oct 23 (Wed)	23:22 63	05:08 76N	11:51 298
2024 Oct 24 (Thu)		06:03 78N	12:42 296
2024 Oct 25 (Fri)	00:18 66	06:54 82N	13:27 292
2024 Oct 26 (Sat)	01:11 71	07:40 87N	14:07 287
2024 Oct 27 (Sun)	01:59 76	08:23 90S	14:44 281
2024 Oct 28 (Mon)	02:46 82	09:03 84S	15:18 275
2024 Oct 29 (Tue)	03:31 88	09:42 78S	15:51 269
2024 Oct 30 (Wed)	04:15 94	10:21 72S	16:24 264
2024 Oct 31 (Thu)	05:00 99	11:00 66S	16:58 258
2024 Nov 01 (Fri)	05:46 105	11:42 61S	17:35 253
2024 Nov 02 (Sat)	06:35 110	12:26 56S	18:15 248
2024 Nov 03 (Sun)	07:26 114	13:13 52S	18:59 244
2024 Nov 04 (Mon)	08:20 117	14:04 50S	19:48 242
2024 Nov 05 (Tue)	09:16 119	14:58 48S	20:41 241
2024 Nov 06 (Wed)	10:11 119	15:54 48S	21:37 241

2024 Nov 07 (Thu)	11:05 118	16:50 50S	22:36 243
2024 Nov 08 (Fri)	11:56 115	17:44 54S	23:34 247
2024 Nov 09 (Sat)	12:44 110	18:36 59S	
2024 Nov 10 (Sun)	13:28 104	19:26 65S	00:31 253
2024 Nov 11 (Mon)	14:11 97	20:15 72S	01:28 259
2024 Nov 12 (Tue)	14:53 90	21:05 79S	02:23 266
2024 Nov 13 (Wed)	15:36 83	21:55 86S	03:20 274
2024 Nov 14 (Thu)	16:21 76	22:48 88N	04:18 281
2024 Nov 15 (Fri)	17:11 69	23:45 82N	05:19 288
2024 Nov 16 (Sat)	18:05 64		06:24 293
2024 Nov 17 (Sun)	19:04 61	00:46 78N	07:30 297
2024 Nov 18 (Mon)	20:06 61	01:49 76N	08:35 299
2024 Nov 19 (Tue)	21:08 62	02:52 75N	09:37 299
2024 Nov 20 (Wed)	22:07 65	03:51 77N	10:32 297
2024 Nov 21 (Thu)	23:02 69	04:46 80N	11:21 293
2024 Nov 22 (Fri)	23:54 74	05:35 85N	12:04 288
2024 Nov 23 (Sat)		06:20 90N	12:42 283
2024 Nov 24 (Sun)	00:41 80	07:01 86S	13:18 277
2024 Nov 25 (Mon)	01:27 86	07:40 80S	13:51 271
2024 Nov 26 (Tue)	02:11 91	08:19 74S	14:24 266
2024 Nov 27 (Wed)	02:56 97	08:58 68S	14:58 260
2024 Nov 28 (Thu)	03:42 103	09:39 63S	15:34 254
2024 Nov 29 (Fri)	04:29 108	10:22 58S	16:13 249
2024 Nov 30 (Sat)	05:20 113	11:09 54S	16:55 245
2024 Dec 01 (Sun)	06:14 116	11:59 50S	17:43 242
2024 Dec 02 (Mon)	07:10 119	12:53 49S	18:36 241
2024 Dec 03 (Tue)	08:06 119	13:49 48S	19:32 241
2024 Dec 04 (Wed)	09:02 118	14:46 50S	20:31 243
2024 Dec 05 (Thu)	09:54 116	15:41 53S	21:29 246
2024 Dec 06 (Fri)	10:42 111	16:33 57S	22:26 251
2024 Dec 07 (Sat)	11:27 106	17:23 63S	23:22 257
2024 Dec 08 (Sun)	12:09 99	18:11 69S	
2024 Dec 09 (Mon)	12:49 93	18:58 76S	00:16 264
2024 Dec 10 (Tue)	13:30 85	19:46 83S	01:10 271
2024 Dec 11 (Wed)	14:13 78	20:36 90S	02:06 278
2024 Dec 12 (Thu)	14:59 72	21:30 85N	03:03 285
2024 Dec 13 (Fri)	15:49 67	22:27 80N	04:04 291
2024 Dec 14 (Sat)	16:45 63	23:29 77N	05:08 296
2024 Dec 15 (Sun)	17:46 61		06:14 299
2024 Dec 16 (Mon)	18:49 61	00:32 75N	07:18 299
2024 Dec 17 (Tue)	19:51 63	01:34 76N	08:17 298
2024 Dec 18 (Wed)	20:49 67	02:31 79N	09:10 295
2024 Dec 19 (Thu)	21:43 72	03:24 83N	09:57 290
2024 Dec 20 (Fri)	22:33 77	04:12 88N	10:38 285
2024 Dec 21 (Sat)	23:20 83	04:56 88S	11:15 280
2024 Dec 22 (Sun)		05:36 82S	11:49 274
2024 Dec 23 (Mon)	00:06 89	06:16 76S	12:23 268
2024 Dec 24 (Tue)	00:50 95	06:54 70S	12:56 262
2024 Dec 25 (Wed)	01:35 101	07:34 65S	13:31 256
2024 Dec 26 (Thu)	02:22 106	08:16 60S	14:08 251
2024 Dec 27 (Fri)	03:12 111	09:02 55S	14:50 247
2024 Dec 28 (Sat)	04:04 115	09:51 52S	15:36 243
2024 Dec 29 (Sun)	05:00 118	10:44 49S	16:27 241
2024 Dec 30 (Mon)	05:57 119	11:40 48S	17:23 241
2024 Dec 31 (Tue)	06:54 119	12:37 49S	18:22 242