

Sun

Location: Khlong Chiam
 E105°30'00.0", N15°19'00.0", 0m
 (Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2024	Jan	01 (Mon)	05:34	06:24	114	12:01	52S	17:38	246	18:28
2024	Jan	02 (Tue)	05:34	06:24	114	12:02	52S	17:39	246	18:29
2024	Jan	03 (Wed)	05:35	06:25	114	12:02	53S	17:40	247	18:29
2024	Jan	04 (Thu)	05:35	06:25	113	12:03	53S	17:40	247	18:30
2024	Jan	05 (Fri)	05:36	06:25	113	12:03	53S	17:41	247	18:31
2024	Jan	06 (Sat)	05:36	06:26	113	12:03	53S	17:41	247	18:31
2024	Jan	07 (Sun)	05:36	06:26	113	12:04	53S	17:42	247	18:32
2024	Jan	08 (Mon)	05:37	06:26	113	12:04	53S	17:42	247	18:32
2024	Jan	09 (Tue)	05:37	06:27	113	12:05	53S	17:43	247	18:33
2024	Jan	10 (Wed)	05:37	06:27	113	12:05	53S	17:44	247	18:33
2024	Jan	11 (Thu)	05:37	06:27	113	12:06	54S	17:44	248	18:34
2024	Jan	12 (Fri)	05:38	06:27	112	12:06	54S	17:45	248	18:34
2024	Jan	13 (Sat)	05:38	06:27	112	12:06	54S	17:45	248	18:35
2024	Jan	14 (Sun)	05:38	06:28	112	12:07	54S	17:46	248	18:35
2024	Jan	15 (Mon)	05:38	06:28	112	12:07	54S	17:47	248	18:36
2024	Jan	16 (Tue)	05:39	06:28	112	12:07	54S	17:47	248	18:36
2024	Jan	17 (Wed)	05:39	06:28	111	12:08	55S	17:48	249	18:37
2024	Jan	18 (Thu)	05:39	06:28	111	12:08	55S	17:48	249	18:38
2024	Jan	19 (Fri)	05:39	06:28	111	12:08	55S	17:49	249	18:38
2024	Jan	20 (Sat)	05:39	06:28	111	12:09	55S	17:49	249	18:39
2024	Jan	21 (Sun)	05:39	06:28	111	12:09	55S	17:50	250	18:39
2024	Jan	22 (Mon)	05:39	06:28	110	12:09	56S	17:51	250	18:39
2024	Jan	23 (Tue)	05:39	06:28	110	12:10	56S	17:51	250	18:40
2024	Jan	24 (Wed)	05:39	06:28	110	12:10	56S	17:52	250	18:40
2024	Jan	25 (Thu)	05:39	06:28	110	12:10	56S	17:52	250	18:41
2024	Jan	26 (Fri)	05:39	06:28	109	12:10	57S	17:53	251	18:41
2024	Jan	27 (Sat)	05:39	06:28	109	12:11	57S	17:53	251	18:42
2024	Jan	28 (Sun)	05:39	06:28	109	12:11	57S	17:54	251	18:42
2024	Jan	29 (Mon)	05:39	06:28	109	12:11	57S	17:54	252	18:43
2024	Jan	30 (Tue)	05:39	06:28	108	12:11	58S	17:55	252	18:43
2024	Jan	31 (Wed)	05:39	06:28	108	12:11	58S	17:55	252	18:43
2024	Feb	01 (Thu)	05:39	06:27	108	12:11	58S	17:56	252	18:44
2024	Feb	02 (Fri)	05:39	06:27	107	12:12	58S	17:56	253	18:44
2024	Feb	03 (Sat)	05:39	06:27	107	12:12	59S	17:57	253	18:45
2024	Feb	04 (Sun)	05:39	06:27	107	12:12	59S	17:57	253	18:45
2024	Feb	05 (Mon)	05:39	06:26	107	12:12	59S	17:58	254	18:45
2024	Feb	06 (Tue)	05:38	06:26	106	12:12	60S	17:58	254	18:46
2024	Feb	07 (Wed)	05:38	06:26	106	12:12	60S	17:58	254	18:46
2024	Feb	08 (Thu)	05:38	06:26	106	12:12	60S	17:59	255	18:47
2024	Feb	09 (Fri)	05:38	06:25	105	12:12	61S	17:59	255	18:47
2024	Feb	10 (Sat)	05:37	06:25	105	12:12	61S	18:00	255	18:47
2024	Feb	11 (Sun)	05:37	06:25	105	12:12	61S	18:00	256	18:48
2024	Feb	12 (Mon)	05:37	06:24	104	12:12	62S	18:00	256	18:48
2024	Feb	13 (Tue)	05:36	06:24	104	12:12	62S	18:01	256	18:48
2024	Feb	14 (Wed)	05:36	06:23	104	12:12	62S	18:01	257	18:48
2024	Feb	15 (Thu)	05:36	06:23	103	12:12	63S	18:01	257	18:49
2024	Feb	16 (Fri)	05:35	06:23	103	12:12	63S	18:02	257	18:49
2024	Feb	17 (Sat)	05:35	06:22	102	12:12	63S	18:02	258	18:49
2024	Feb	18 (Sun)	05:35	06:22	102	12:12	64S	18:02	258	18:50
2024	Feb	19 (Mon)	05:34	06:21	102	12:12	64S	18:03	258	18:50
2024	Feb	20 (Tue)	05:34	06:21	101	12:12	64S	18:03	259	18:50
2024	Feb	21 (Wed)	05:33	06:20	101	12:12	65S	18:03	259	18:50
2024	Feb	22 (Thu)	05:33	06:20	101	12:12	65S	18:04	260	18:51
2024	Feb	23 (Fri)	05:32	06:19	100	12:11	65S	18:04	260	18:51
2024	Feb	24 (Sat)	05:32	06:19	100	12:11	66S	18:04	260	18:51
2024	Feb	25 (Sun)	05:31	06:18	99	12:11	66S	18:04	261	18:51
2024	Feb	26 (Mon)	05:31	06:17	99	12:11	66S	18:05	261	18:51
2024	Feb	27 (Tue)	05:30	06:17	99	12:11	67S	18:05	261	18:52
2024	Feb	28 (Wed)	05:30	06:16	98	12:11	67S	18:05	262	18:52
2024	Feb	29 (Thu)	05:29	06:16	98	12:10	68S	18:05	262	18:52

2024	Mar	01	(Fri)	05:29	06:15	98	12:10	68S	18:06	263	18:52
2024	Mar	02	(Sat)	05:28	06:14	97	12:10	68S	18:06	263	18:52
2024	Mar	03	(Sun)	05:27	06:14	97	12:10	69S	18:06	263	18:53
2024	Mar	04	(Mon)	05:27	06:13	96	12:10	69S	18:06	264	18:53
2024	Mar	05	(Tue)	05:26	06:13	96	12:09	70S	18:06	264	18:53
2024	Mar	06	(Wed)	05:25	06:12	96	12:09	70S	18:07	265	18:53
2024	Mar	07	(Thu)	05:25	06:11	95	12:09	70S	18:07	265	18:53
2024	Mar	08	(Fri)	05:24	06:11	95	12:09	71S	18:07	265	18:53
2024	Mar	09	(Sat)	05:24	06:10	94	12:08	71S	18:07	266	18:54
2024	Mar	10	(Sun)	05:23	06:09	94	12:08	71S	18:07	266	18:54
2024	Mar	11	(Mon)	05:22	06:09	94	12:08	72S	18:08	267	18:54
2024	Mar	12	(Tue)	05:22	06:08	93	12:08	72S	18:08	267	18:54
2024	Mar	13	(Wed)	05:21	06:07	93	12:07	73S	18:08	267	18:54
2024	Mar	14	(Thu)	05:20	06:06	92	12:07	73S	18:08	268	18:54
2024	Mar	15	(Fri)	05:19	06:06	92	12:07	73S	18:08	268	18:55
2024	Mar	16	(Sat)	05:19	06:05	91	12:07	74S	18:08	269	18:55
2024	Mar	17	(Sun)	05:18	06:04	91	12:06	74S	18:09	269	18:55
2024	Mar	18	(Mon)	05:17	06:04	91	12:06	75S	18:09	270	18:55
2024	Mar	19	(Tue)	05:17	06:03	90	12:06	75S	18:09	270	18:55
2024	Mar	20	(Wed)	05:16	06:02	90	12:05	75S	18:09	270	18:55
2024	Mar	21	(Thu)	05:15	06:01	89	12:05	76S	18:09	271	18:55
2024	Mar	22	(Fri)	05:14	06:01	89	12:05	76S	18:09	271	18:56
2024	Mar	23	(Sat)	05:14	06:00	89	12:05	77S	18:09	272	18:56
2024	Mar	24	(Sun)	05:13	05:59	88	12:04	77S	18:09	272	18:56
2024	Mar	25	(Mon)	05:12	05:58	88	12:04	77S	18:10	272	18:56
2024	Mar	26	(Tue)	05:11	05:58	87	12:04	78S	18:10	273	18:56
2024	Mar	27	(Wed)	05:11	05:57	87	12:03	78S	18:10	273	18:56
2024	Mar	28	(Thu)	05:10	05:56	87	12:03	79S	18:10	274	18:56
2024	Mar	29	(Fri)	05:09	05:56	86	12:03	79S	18:10	274	18:57
2024	Mar	30	(Sat)	05:08	05:55	86	12:02	79S	18:10	274	18:57
2024	Mar	31	(Sun)	05:07	05:54	85	12:02	80S	18:10	275	18:57
2024	Apr	01	(Mon)	05:07	05:53	85	12:02	80S	18:10	275	18:57
2024	Apr	02	(Tue)	05:06	05:53	85	12:01	81S	18:11	276	18:57
2024	Apr	03	(Wed)	05:05	05:52	84	12:01	81S	18:11	276	18:57
2024	Apr	04	(Thu)	05:04	05:51	84	12:01	81S	18:11	276	18:58
2024	Apr	05	(Fri)	05:04	05:50	83	12:01	82S	18:11	277	18:58
2024	Apr	06	(Sat)	05:03	05:50	83	12:00	82S	18:11	277	18:58
2024	Apr	07	(Sun)	05:02	05:49	83	12:00	82S	18:11	278	18:58
2024	Apr	08	(Mon)	05:01	05:48	82	12:00	83S	18:11	278	18:58
2024	Apr	09	(Tue)	05:01	05:48	82	12:00	83S	18:12	278	18:59
2024	Apr	10	(Wed)	05:00	05:47	81	11:59	84S	18:12	279	18:59
2024	Apr	11	(Thu)	04:59	05:46	81	11:59	84S	18:12	279	18:59
2024	Apr	12	(Fri)	04:58	05:46	81	11:59	84S	18:12	280	18:59
2024	Apr	13	(Sat)	04:58	05:45	80	11:58	85S	18:12	280	18:59
2024	Apr	14	(Sun)	04:57	05:44	80	11:58	85S	18:12	280	19:00
2024	Apr	15	(Mon)	04:56	05:44	80	11:58	85S	18:13	281	19:00
2024	Apr	16	(Tue)	04:56	05:43	79	11:58	86S	18:13	281	19:00
2024	Apr	17	(Wed)	04:55	05:42	79	11:58	86S	18:13	281	19:00
2024	Apr	18	(Thu)	04:54	05:42	78	11:57	86S	18:13	282	19:01
2024	Apr	19	(Fri)	04:54	05:41	78	11:57	87S	18:13	282	19:01
2024	Apr	20	(Sat)	04:53	05:41	78	11:57	87S	18:13	282	19:01
2024	Apr	21	(Sun)	04:52	05:40	77	11:57	87S	18:14	283	19:01
2024	Apr	22	(Mon)	04:51	05:39	77	11:56	88S	18:14	283	19:02
2024	Apr	23	(Tue)	04:51	05:39	77	11:56	88S	18:14	283	19:02
2024	Apr	24	(Wed)	04:50	05:38	76	11:56	88S	18:14	284	19:02
2024	Apr	25	(Thu)	04:50	05:38	76	11:56	89S	18:14	284	19:03
2024	Apr	26	(Fri)	04:49	05:37	76	11:56	89S	18:15	285	19:03
2024	Apr	27	(Sat)	04:48	05:37	75	11:56	89S	18:15	285	19:03
2024	Apr	28	(Sun)	04:48	05:36	75	11:55	90S	18:15	285	19:04
2024	Apr	29	(Mon)	04:47	05:36	75	11:55	90S	18:15	285	19:04
2024	Apr	30	(Tue)	04:46	05:35	74	11:55	90S	18:16	286	19:04
2024	May	01	(Wed)	04:46	05:35	74	11:55	91S	18:16	286	19:04
2024	May	02	(Thu)	04:45	05:34	74	11:55	91N	18:16	286	19:05
2024	May	03	(Fri)	04:45	05:34	73	11:55	90N	18:16	287	19:05
2024	May	04	(Sat)	04:44	05:33	73	11:55	90N	18:17	287	19:06
2024	May	05	(Sun)	04:44	05:33	73	11:55	90N	18:17	287	19:06
2024	May	06	(Mon)	04:43	05:32	73	11:55	89N	18:17	288	19:06
2024	May	07	(Tue)	04:43	05:32	72	11:55	89N	18:17	288	19:07
2024	May	08	(Wed)	04:42	05:32	72	11:54	89N	18:18	288	19:07
2024	May	09	(Thu)	04:42	05:31	72	11:54	89N	18:18	288	19:07
2024	May	10	(Fri)	04:41	05:31	71	11:54	88N	18:18	289	19:08
2024	May	11	(Sat)	04:41	05:30	71	11:54	88N	18:19	289	19:08

2024	May	12	(Sun)	04:40	05:30	71	11:54	88N	18:19	289	19:08
2024	May	13	(Mon)	04:40	05:30	71	11:54	88N	18:19	290	19:09
2024	May	14	(Tue)	04:40	05:29	70	11:54	87N	18:19	290	19:09
2024	May	15	(Wed)	04:39	05:29	70	11:54	87N	18:20	290	19:10
2024	May	16	(Thu)	04:39	05:29	70	11:54	87N	18:20	290	19:10
2024	May	17	(Fri)	04:39	05:29	70	11:54	87N	18:20	290	19:10
2024	May	18	(Sat)	04:38	05:28	69	11:54	86N	18:21	291	19:11
2024	May	19	(Sun)	04:38	05:28	69	11:55	86N	18:21	291	19:11
2024	May	20	(Mon)	04:38	05:28	69	11:55	86N	18:21	291	19:12
2024	May	21	(Tue)	04:37	05:28	69	11:55	86N	18:22	291	19:12
2024	May	22	(Wed)	04:37	05:28	69	11:55	86N	18:22	292	19:12
2024	May	23	(Thu)	04:37	05:27	68	11:55	85N	18:22	292	19:13
2024	May	24	(Fri)	04:37	05:27	68	11:55	85N	18:23	292	19:13
2024	May	25	(Sat)	04:36	05:27	68	11:55	85N	18:23	292	19:14
2024	May	26	(Sun)	04:36	05:27	68	11:55	85N	18:23	292	19:14
2024	May	27	(Mon)	04:36	05:27	68	11:55	85N	18:24	292	19:14
2024	May	28	(Tue)	04:36	05:27	67	11:55	84N	18:24	293	19:15
2024	May	29	(Wed)	04:36	05:27	67	11:55	84N	18:24	293	19:15
2024	May	30	(Thu)	04:36	05:27	67	11:56	84N	18:25	293	19:16
2024	May	31	(Fri)	04:36	05:27	67	11:56	84N	18:25	293	19:16
2024	Jun	01	(Sat)	04:35	05:27	67	11:56	84N	18:25	293	19:16
2024	Jun	02	(Sun)	04:35	05:27	67	11:56	84N	18:26	293	19:17
2024	Jun	03	(Mon)	04:35	05:27	67	11:56	84N	18:26	294	19:17
2024	Jun	04	(Tue)	04:35	05:27	66	11:56	84N	18:26	294	19:18
2024	Jun	05	(Wed)	04:35	05:27	66	11:57	83N	18:27	294	19:18
2024	Jun	06	(Thu)	04:35	05:27	66	11:57	83N	18:27	294	19:18
2024	Jun	07	(Fri)	04:35	05:27	66	11:57	83N	18:27	294	19:19
2024	Jun	08	(Sat)	04:35	05:27	66	11:57	83N	18:28	294	19:19
2024	Jun	09	(Sun)	04:35	05:27	66	11:57	83N	18:28	294	19:19
2024	Jun	10	(Mon)	04:35	05:27	66	11:58	83N	18:28	294	19:20
2024	Jun	11	(Tue)	04:35	05:27	66	11:58	83N	18:28	294	19:20
2024	Jun	12	(Wed)	04:36	05:27	66	11:58	83N	18:29	294	19:20
2024	Jun	13	(Thu)	04:36	05:27	66	11:58	83N	18:29	294	19:21
2024	Jun	14	(Fri)	04:36	05:27	66	11:58	83N	18:29	294	19:21
2024	Jun	15	(Sat)	04:36	05:28	66	11:59	83N	18:30	295	19:21
2024	Jun	16	(Sun)	04:36	05:28	65	11:59	83N	18:30	295	19:22
2024	Jun	17	(Mon)	04:36	05:28	65	11:59	83N	18:30	295	19:22
2024	Jun	18	(Tue)	04:36	05:28	65	11:59	83N	18:30	295	19:22
2024	Jun	19	(Wed)	04:37	05:28	65	11:59	83N	18:31	295	19:22
2024	Jun	20	(Thu)	04:37	05:29	65	12:00	83N	18:31	295	19:23
2024	Jun	21	(Fri)	04:37	05:29	65	12:00	83N	18:31	295	19:23
2024	Jun	22	(Sat)	04:37	05:29	65	12:00	83N	18:31	295	19:23
2024	Jun	23	(Sun)	04:37	05:29	65	12:00	83N	18:31	295	19:23
2024	Jun	24	(Mon)	04:38	05:29	65	12:01	83N	18:32	295	19:23
2024	Jun	25	(Tue)	04:38	05:30	65	12:01	83N	18:32	295	19:23
2024	Jun	26	(Wed)	04:38	05:30	65	12:01	83N	18:32	294	19:24
2024	Jun	27	(Thu)	04:38	05:30	66	12:01	83N	18:32	294	19:24
2024	Jun	28	(Fri)	04:39	05:30	66	12:01	83N	18:32	294	19:24
2024	Jun	29	(Sat)	04:39	05:31	66	12:02	83N	18:32	294	19:24
2024	Jun	30	(Sun)	04:39	05:31	66	12:02	83N	18:32	294	19:24
2024	Jul	01	(Mon)	04:40	05:31	66	12:02	83N	18:33	294	19:24
2024	Jul	02	(Tue)	04:40	05:32	66	12:02	83N	18:33	294	19:24
2024	Jul	03	(Wed)	04:40	05:32	66	12:02	83N	18:33	294	19:24
2024	Jul	04	(Thu)	04:41	05:32	66	12:02	83N	18:33	294	19:24
2024	Jul	05	(Fri)	04:41	05:32	66	12:03	83N	18:33	294	19:24
2024	Jul	06	(Sat)	04:41	05:33	66	12:03	83N	18:33	294	19:24
2024	Jul	07	(Sun)	04:42	05:33	66	12:03	83N	18:33	294	19:24
2024	Jul	08	(Mon)	04:42	05:33	66	12:03	84N	18:33	294	19:24
2024	Jul	09	(Tue)	04:42	05:34	67	12:03	84N	18:33	293	19:24
2024	Jul	10	(Wed)	04:43	05:34	67	12:03	84N	18:33	293	19:24
2024	Jul	11	(Thu)	04:43	05:34	67	12:04	84N	18:33	293	19:24
2024	Jul	12	(Fri)	04:44	05:35	67	12:04	84N	18:33	293	19:24
2024	Jul	13	(Sat)	04:44	05:35	67	12:04	84N	18:33	293	19:24
2024	Jul	14	(Sun)	04:44	05:35	67	12:04	84N	18:33	293	19:23
2024	Jul	15	(Mon)	04:45	05:36	67	12:04	85N	18:32	292	19:23
2024	Jul	16	(Tue)	04:45	05:36	68	12:04	85N	18:32	292	19:23
2024	Jul	17	(Wed)	04:45	05:36	68	12:04	85N	18:32	292	19:23
2024	Jul	18	(Thu)	04:46	05:36	68	12:04	85N	18:32	292	19:23
2024	Jul	19	(Fri)	04:46	05:37	68	12:04	85N	18:32	292	19:22
2024	Jul	20	(Sat)	04:47	05:37	68	12:04	85N	18:32	292	19:22
2024	Jul	21	(Sun)	04:47	05:37	69	12:04	86N	18:31	291	19:22
2024	Jul	22	(Mon)	04:47	05:38	69	12:05	86N	18:31	291	19:22

2024	Jul	23	(Tue)	04:48	05:38	69	12:05	86N	18:31	291	19:21
2024	Jul	24	(Wed)	04:48	05:38	69	12:05	86N	18:31	291	19:21
2024	Jul	25	(Thu)	04:48	05:39	69	12:05	86N	18:30	290	19:21
2024	Jul	26	(Fri)	04:49	05:39	70	12:05	87N	18:30	290	19:20
2024	Jul	27	(Sat)	04:49	05:39	70	12:05	87N	18:30	290	19:20
2024	Jul	28	(Sun)	04:49	05:39	70	12:05	87N	18:30	290	19:19
2024	Jul	29	(Mon)	04:50	05:40	70	12:04	87N	18:29	290	19:19
2024	Jul	30	(Tue)	04:50	05:40	71	12:04	88N	18:29	289	19:19
2024	Jul	31	(Wed)	04:51	05:40	71	12:04	88N	18:29	289	19:18
2024	Aug	01	(Thu)	04:51	05:40	71	12:04	88N	18:28	289	19:18
2024	Aug	02	(Fri)	04:51	05:41	71	12:04	88N	18:28	288	19:17
2024	Aug	03	(Sat)	04:52	05:41	72	12:04	89N	18:27	288	19:17
2024	Aug	04	(Sun)	04:52	05:41	72	12:04	89N	18:27	288	19:16
2024	Aug	05	(Mon)	04:52	05:41	72	12:04	89N	18:26	288	19:16
2024	Aug	06	(Tue)	04:52	05:42	72	12:04	89N	18:26	287	19:15
2024	Aug	07	(Wed)	04:53	05:42	73	12:04	90N	18:26	287	19:15
2024	Aug	08	(Thu)	04:53	05:42	73	12:04	90N	18:25	287	19:14
2024	Aug	09	(Fri)	04:53	05:42	73	12:04	90N	18:25	286	19:13
2024	Aug	10	(Sat)	04:54	05:42	74	12:03	91N	18:24	286	19:13
2024	Aug	11	(Sun)	04:54	05:43	74	12:03	91S	18:24	286	19:12
2024	Aug	12	(Mon)	04:54	05:43	74	12:03	90S	18:23	286	19:12
2024	Aug	13	(Tue)	04:55	05:43	75	12:03	90S	18:23	285	19:11
2024	Aug	14	(Wed)	04:55	05:43	75	12:03	90S	18:22	285	19:10
2024	Aug	15	(Thu)	04:55	05:43	75	12:02	89S	18:21	285	19:10
2024	Aug	16	(Fri)	04:55	05:44	76	12:02	89S	18:21	284	19:09
2024	Aug	17	(Sat)	04:56	05:44	76	12:02	89S	18:20	284	19:08
2024	Aug	18	(Sun)	04:56	05:44	76	12:02	88S	18:20	284	19:08
2024	Aug	19	(Mon)	04:56	05:44	77	12:02	88S	18:19	283	19:07
2024	Aug	20	(Tue)	04:56	05:44	77	12:01	88S	18:18	283	19:06
2024	Aug	21	(Wed)	04:56	05:44	77	12:01	87S	18:18	283	19:06
2024	Aug	22	(Thu)	04:57	05:44	78	12:01	87S	18:17	282	19:05
2024	Aug	23	(Fri)	04:57	05:45	78	12:01	87S	18:16	282	19:04
2024	Aug	24	(Sat)	04:57	05:45	78	12:00	86S	18:16	281	19:03
2024	Aug	25	(Sun)	04:57	05:45	79	12:00	86S	18:15	281	19:03
2024	Aug	26	(Mon)	04:57	05:45	79	12:00	86S	18:14	281	19:02
2024	Aug	27	(Tue)	04:58	05:45	79	11:59	85S	18:14	280	19:01
2024	Aug	28	(Wed)	04:58	05:45	80	11:59	85S	18:13	280	19:00
2024	Aug	29	(Thu)	04:58	05:45	80	11:59	85S	18:12	280	19:00
2024	Aug	30	(Fri)	04:58	05:45	81	11:59	84S	18:12	279	18:59
2024	Aug	31	(Sat)	04:58	05:45	81	11:58	84S	18:11	279	18:58
2024	Sep	01	(Sun)	04:58	05:46	81	11:58	83S	18:10	279	18:57
2024	Sep	02	(Mon)	04:59	05:46	82	11:58	83S	18:09	278	18:56
2024	Sep	03	(Tue)	04:59	05:46	82	11:57	83S	18:09	278	18:56
2024	Sep	04	(Wed)	04:59	05:46	82	11:57	82S	18:08	277	18:55
2024	Sep	05	(Thu)	04:59	05:46	83	11:57	82S	18:07	277	18:54
2024	Sep	06	(Fri)	04:59	05:46	83	11:56	82S	18:06	277	18:53
2024	Sep	07	(Sat)	04:59	05:46	84	11:56	81S	18:06	276	18:52
2024	Sep	08	(Sun)	04:59	05:46	84	11:56	81S	18:05	276	18:52
2024	Sep	09	(Mon)	04:59	05:46	84	11:55	81S	18:04	275	18:51
2024	Sep	10	(Tue)	05:00	05:46	85	11:55	80S	18:03	275	18:50
2024	Sep	11	(Wed)	05:00	05:46	85	11:55	80S	18:03	275	18:49
2024	Sep	12	(Thu)	05:00	05:46	86	11:54	79S	18:02	274	18:48
2024	Sep	13	(Fri)	05:00	05:46	86	11:54	79S	18:01	274	18:48
2024	Sep	14	(Sat)	05:00	05:47	86	11:53	79S	18:00	273	18:47
2024	Sep	15	(Sun)	05:00	05:47	87	11:53	78S	17:59	273	18:46
2024	Sep	16	(Mon)	05:00	05:47	87	11:53	78S	17:59	273	18:45
2024	Sep	17	(Tue)	05:00	05:47	88	11:52	77S	17:58	272	18:44
2024	Sep	18	(Wed)	05:00	05:47	88	11:52	77S	17:57	272	18:44
2024	Sep	19	(Thu)	05:00	05:47	88	11:52	77S	17:56	271	18:43
2024	Sep	20	(Fri)	05:01	05:47	89	11:51	76S	17:56	271	18:42
2024	Sep	21	(Sat)	05:01	05:47	89	11:51	76S	17:55	271	18:41
2024	Sep	22	(Sun)	05:01	05:47	90	11:51	76S	17:54	270	18:40
2024	Sep	23	(Mon)	05:01	05:47	90	11:50	75S	17:53	270	18:40
2024	Sep	24	(Tue)	05:01	05:47	90	11:50	75S	17:52	269	18:39
2024	Sep	25	(Wed)	05:01	05:47	91	11:50	74S	17:52	269	18:38
2024	Sep	26	(Thu)	05:01	05:47	91	11:49	74S	17:51	269	18:37
2024	Sep	27	(Fri)	05:01	05:47	92	11:49	74S	17:50	268	18:36
2024	Sep	28	(Sat)	05:01	05:48	92	11:49	73S	17:49	268	18:36
2024	Sep	29	(Sun)	05:01	05:48	92	11:48	73S	17:49	267	18:35
2024	Sep	30	(Mon)	05:01	05:48	93	11:48	72S	17:48	267	18:34
2024	Oct	01	(Tue)	05:01	05:48	93	11:48	72S	17:47	267	18:33
2024	Oct	02	(Wed)	05:02	05:48	94	11:47	72S	17:46	266	18:33

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

2024	Dec	14	(Sat)	05:26	06:16	114	11:53	52S	17:30	246	18:20
2024	Dec	15	(Sun)	05:26	06:16	114	11:53	52S	17:30	246	18:20
2024	Dec	16	(Mon)	05:27	06:17	114	11:54	52S	17:30	246	18:21
2024	Dec	17	(Tue)	05:27	06:17	114	11:54	52S	17:31	246	18:21
2024	Dec	18	(Wed)	05:28	06:18	114	11:55	52S	17:31	246	18:22
2024	Dec	19	(Thu)	05:28	06:18	114	11:55	52S	17:32	246	18:22
2024	Dec	20	(Fri)	05:29	06:19	114	11:56	52S	17:32	246	18:22
2024	Dec	21	(Sat)	05:29	06:20	114	11:56	52S	17:33	246	18:23
2024	Dec	22	(Sun)	05:30	06:20	114	11:57	52S	17:33	246	18:23
2024	Dec	23	(Mon)	05:30	06:20	114	11:57	52S	17:34	246	18:24
2024	Dec	24	(Tue)	05:31	06:21	114	11:58	52S	17:34	246	18:24
2024	Dec	25	(Wed)	05:31	06:21	114	11:58	52S	17:35	246	18:25
2024	Dec	26	(Thu)	05:32	06:22	114	11:59	52S	17:35	246	18:26
2024	Dec	27	(Fri)	05:32	06:22	114	11:59	52S	17:36	246	18:26
2024	Dec	28	(Sat)	05:33	06:23	114	12:00	52S	17:37	246	18:27
2024	Dec	29	(Sun)	05:33	06:23	114	12:00	52S	17:37	246	18:27
2024	Dec	30	(Mon)	05:34	06:24	114	12:01	52S	17:38	246	18:28
2024	Dec	31	(Tue)	05:34	06:24	114	12:01	52S	17:38	246	18:28

Sun

Khlong Chiam

Location: E105°30'00.0", N15°19'00.0", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin Civil Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Civil Twilight
				h m	h m	°	h m	°	h m	°	h m
2024	Jan	01	(Mon)	06:01	06:24	114	12:01	52S	17:38	246	18:02
2024	Jan	02	(Tue)	06:01	06:24	114	12:02	52S	17:39	246	18:02
2024	Jan	03	(Wed)	06:02	06:25	114	12:02	53S	17:40	247	18:03
2024	Jan	04	(Thu)	06:02	06:25	113	12:03	53S	17:40	247	18:03
2024	Jan	05	(Fri)	06:02	06:25	113	12:03	53S	17:41	247	18:04
2024	Jan	06	(Sat)	06:03	06:26	113	12:03	53S	17:41	247	18:04
2024	Jan	07	(Sun)	06:03	06:26	113	12:04	53S	17:42	247	18:05
2024	Jan	08	(Mon)	06:03	06:26	113	12:04	53S	17:42	247	18:06
2024	Jan	09	(Tue)	06:03	06:27	113	12:05	53S	17:43	247	18:06
2024	Jan	10	(Wed)	06:04	06:27	113	12:05	53S	17:44	247	18:07
2024	Jan	11	(Thu)	06:04	06:27	113	12:06	54S	17:44	248	18:07
2024	Jan	12	(Fri)	06:04	06:27	112	12:06	54S	17:45	248	18:08
2024	Jan	13	(Sat)	06:04	06:27	112	12:06	54S	17:45	248	18:08
2024	Jan	14	(Sun)	06:05	06:28	112	12:07	54S	17:46	248	18:09
2024	Jan	15	(Mon)	06:05	06:28	112	12:07	54S	17:47	248	18:10
2024	Jan	16	(Tue)	06:05	06:28	112	12:07	54S	17:47	248	18:10
2024	Jan	17	(Wed)	06:05	06:28	111	12:08	55S	17:48	249	18:11
2024	Jan	18	(Thu)	06:05	06:28	111	12:08	55S	17:48	249	18:11
2024	Jan	19	(Fri)	06:05	06:28	111	12:08	55S	17:49	249	18:12
2024	Jan	20	(Sat)	06:05	06:28	111	12:09	55S	17:49	249	18:12
2024	Jan	21	(Sun)	06:06	06:28	111	12:09	55S	17:50	250	18:13
2024	Jan	22	(Mon)	06:06	06:28	110	12:09	56S	17:51	250	18:13
2024	Jan	23	(Tue)	06:06	06:28	110	12:10	56S	17:51	250	18:14
2024	Jan	24	(Wed)	06:06	06:28	110	12:10	56S	17:52	250	18:14
2024	Jan	25	(Thu)	06:06	06:28	110	12:10	56S	17:52	250	18:15
2024	Jan	26	(Fri)	06:06	06:28	109	12:10	57S	17:53	251	18:15
2024	Jan	27	(Sat)	06:05	06:28	109	12:11	57S	17:53	251	18:16
2024	Jan	28	(Sun)	06:05	06:28	109	12:11	57S	17:54	251	18:16
2024	Jan	29	(Mon)	06:05	06:28	109	12:11	57S	17:54	252	18:17
2024	Jan	30	(Tue)	06:05	06:28	108	12:11	58S	17:55	252	18:17
2024	Jan	31	(Wed)	06:05	06:28	108	12:11	58S	17:55	252	18:18
2024	Feb	01	(Thu)	06:05	06:27	108	12:11	58S	17:56	252	18:18
2024	Feb	02	(Fri)	06:05	06:27	107	12:12	58S	17:56	253	18:19
2024	Feb	03	(Sat)	06:05	06:27	107	12:12	59S	17:57	253	18:19
2024	Feb	04	(Sun)	06:04	06:27	107	12:12	59S	17:57	253	18:19
2024	Feb	05	(Mon)	06:04	06:26	107	12:12	59S	17:58	254	18:20
2024	Feb	06	(Tue)	06:04	06:26	106	12:12	60S	17:58	254	18:20
2024	Feb	07	(Wed)	06:04	06:26	106	12:12	60S	17:58	254	18:21
2024	Feb	08	(Thu)	06:03	06:26	106	12:12	60S	17:59	255	18:21
2024	Feb	09	(Fri)	06:03	06:25	105	12:12	61S	17:59	255	18:21
2024	Feb	10	(Sat)	06:03	06:25	105	12:12	61S	18:00	255	18:22

2024	Feb	11	(Sun)	06:03	06:25	105	12:12	61S	18:00	256	18:22
2024	Feb	12	(Mon)	06:02	06:24	104	12:12	62S	18:00	256	18:22
2024	Feb	13	(Tue)	06:02	06:24	104	12:12	62S	18:01	256	18:23
2024	Feb	14	(Wed)	06:01	06:23	104	12:12	62S	18:01	257	18:23
2024	Feb	15	(Thu)	06:01	06:23	103	12:12	63S	18:01	257	18:23
2024	Feb	16	(Fri)	06:01	06:23	103	12:12	63S	18:02	257	18:24
2024	Feb	17	(Sat)	06:00	06:22	102	12:12	63S	18:02	258	18:24
2024	Feb	18	(Sun)	06:00	06:22	102	12:12	64S	18:02	258	18:24
2024	Feb	19	(Mon)	05:59	06:21	102	12:12	64S	18:03	258	18:25
2024	Feb	20	(Tue)	05:59	06:21	101	12:12	64S	18:03	259	18:25
2024	Feb	21	(Wed)	05:58	06:20	101	12:12	65S	18:03	259	18:25
2024	Feb	22	(Thu)	05:58	06:20	101	12:12	65S	18:04	260	18:25
2024	Feb	23	(Fri)	05:57	06:19	100	12:11	65S	18:04	260	18:26
2024	Feb	24	(Sat)	05:57	06:19	100	12:11	66S	18:04	260	18:26
2024	Feb	25	(Sun)	05:56	06:18	99	12:11	66S	18:04	261	18:26
2024	Feb	26	(Mon)	05:56	06:17	99	12:11	66S	18:05	261	18:26
2024	Feb	27	(Tue)	05:55	06:17	99	12:11	67S	18:05	261	18:27
2024	Feb	28	(Wed)	05:55	06:16	98	12:11	67S	18:05	262	18:27
2024	Feb	29	(Thu)	05:54	06:16	98	12:10	68S	18:05	262	18:27
2024	Mar	01	(Fri)	05:54	06:15	98	12:10	68S	18:06	263	18:27
2024	Mar	02	(Sat)	05:53	06:14	97	12:10	68S	18:06	263	18:27
2024	Mar	03	(Sun)	05:52	06:14	97	12:10	69S	18:06	263	18:28
2024	Mar	04	(Mon)	05:52	06:13	96	12:10	69S	18:06	264	18:28
2024	Mar	05	(Tue)	05:51	06:13	96	12:09	70S	18:06	264	18:28
2024	Mar	06	(Wed)	05:50	06:12	96	12:09	70S	18:07	265	18:28
2024	Mar	07	(Thu)	05:50	06:11	95	12:09	70S	18:07	265	18:28
2024	Mar	08	(Fri)	05:49	06:11	95	12:09	71S	18:07	265	18:29
2024	Mar	09	(Sat)	05:48	06:10	94	12:08	71S	18:07	266	18:29
2024	Mar	10	(Sun)	05:48	06:09	94	12:08	71S	18:07	266	18:29
2024	Mar	11	(Mon)	05:47	06:09	94	12:08	72S	18:08	267	18:29
2024	Mar	12	(Tue)	05:46	06:08	93	12:08	72S	18:08	267	18:29
2024	Mar	13	(Wed)	05:46	06:07	93	12:07	73S	18:08	267	18:29
2024	Mar	14	(Thu)	05:45	06:06	92	12:07	73S	18:08	268	18:29
2024	Mar	15	(Fri)	05:44	06:06	92	12:07	73S	18:08	268	18:30
2024	Mar	16	(Sat)	05:44	06:05	91	12:07	74S	18:08	269	18:30
2024	Mar	17	(Sun)	05:43	06:04	91	12:06	74S	18:09	269	18:30
2024	Mar	18	(Mon)	05:42	06:04	91	12:06	75S	18:09	270	18:30
2024	Mar	19	(Tue)	05:41	06:03	90	12:06	75S	18:09	270	18:30
2024	Mar	20	(Wed)	05:41	06:02	90	12:05	75S	18:09	270	18:30
2024	Mar	21	(Thu)	05:40	06:01	89	12:05	76S	18:09	271	18:30
2024	Mar	22	(Fri)	05:39	06:01	89	12:05	76S	18:09	271	18:31
2024	Mar	23	(Sat)	05:38	06:00	89	12:05	77S	18:09	272	18:31
2024	Mar	24	(Sun)	05:38	05:59	88	12:04	77S	18:09	272	18:31
2024	Mar	25	(Mon)	05:37	05:58	88	12:04	77S	18:10	272	18:31
2024	Mar	26	(Tue)	05:36	05:58	87	12:04	78S	18:10	273	18:31
2024	Mar	27	(Wed)	05:36	05:57	87	12:03	78S	18:10	273	18:31
2024	Mar	28	(Thu)	05:35	05:56	87	12:03	79S	18:10	274	18:31
2024	Mar	29	(Fri)	05:34	05:56	86	12:03	79S	18:10	274	18:32
2024	Mar	30	(Sat)	05:33	05:55	86	12:02	79S	18:10	274	18:32
2024	Mar	31	(Sun)	05:33	05:54	85	12:02	80S	18:10	275	18:32
2024	Apr	01	(Mon)	05:32	05:53	85	12:02	80S	18:10	275	18:32
2024	Apr	02	(Tue)	05:31	05:53	85	12:01	81S	18:11	276	18:32
2024	Apr	03	(Wed)	05:30	05:52	84	12:01	81S	18:11	276	18:32
2024	Apr	04	(Thu)	05:30	05:51	84	12:01	81S	18:11	276	18:32
2024	Apr	05	(Fri)	05:29	05:50	83	12:01	82S	18:11	277	18:33
2024	Apr	06	(Sat)	05:28	05:50	83	12:00	82S	18:11	277	18:33
2024	Apr	07	(Sun)	05:27	05:49	83	12:00	82S	18:11	278	18:33
2024	Apr	08	(Mon)	05:27	05:48	82	12:00	83S	18:11	278	18:33
2024	Apr	09	(Tue)	05:26	05:48	82	12:00	83S	18:12	278	18:33
2024	Apr	10	(Wed)	05:25	05:47	81	11:59	84S	18:12	279	18:33
2024	Apr	11	(Thu)	05:25	05:46	81	11:59	84S	18:12	279	18:34
2024	Apr	12	(Fri)	05:24	05:46	81	11:59	84S	18:12	280	18:34
2024	Apr	13	(Sat)	05:23	05:45	80	11:58	85S	18:12	280	18:34
2024	Apr	14	(Sun)	05:22	05:44	80	11:58	85S	18:12	280	18:34
2024	Apr	15	(Mon)	05:22	05:44	80	11:58	85S	18:13	281	18:34
2024	Apr	16	(Tue)	05:21	05:43	79	11:58	86S	18:13	281	18:35
2024	Apr	17	(Wed)	05:20	05:42	79	11:58	86S	18:13	281	18:35
2024	Apr	18	(Thu)	05:20	05:42	78	11:57	86S	18:13	282	18:35
2024	Apr	19	(Fri)	05:19	05:41	78	11:57	87S	18:13	282	18:35
2024	Apr	20	(Sat)	05:19	05:41	78	11:57	87S	18:13	282	18:35
2024	Apr	21	(Sun)	05:18	05:40	77	11:57	87S	18:14	283	18:36
2024	Apr	22	(Mon)	05:17	05:39	77	11:56	88S	18:14	283	18:36

2024	Apr	23	(Tue)	05:17	05:39	77	11:56	88S	18:14	283	18:36
2024	Apr	24	(Wed)	05:16	05:38	76	11:56	88S	18:14	284	18:36
2024	Apr	25	(Thu)	05:15	05:38	76	11:56	89S	18:14	284	18:37
2024	Apr	26	(Fri)	05:15	05:37	76	11:56	89S	18:15	285	18:37
2024	Apr	27	(Sat)	05:14	05:37	75	11:56	89S	18:15	285	18:37
2024	Apr	28	(Sun)	05:14	05:36	75	11:55	90S	18:15	285	18:37
2024	Apr	29	(Mon)	05:13	05:36	75	11:55	90S	18:15	285	18:38
2024	Apr	30	(Tue)	05:13	05:35	74	11:55	90S	18:16	286	18:38
2024	May	01	(Wed)	05:12	05:35	74	11:55	91S	18:16	286	18:38
2024	May	02	(Thu)	05:12	05:34	74	11:55	91N	18:16	286	18:39
2024	May	03	(Fri)	05:11	05:34	73	11:55	90N	18:16	287	18:39
2024	May	04	(Sat)	05:11	05:33	73	11:55	90N	18:17	287	18:39
2024	May	05	(Sun)	05:10	05:33	73	11:55	90N	18:17	287	18:39
2024	May	06	(Mon)	05:10	05:32	73	11:55	89N	18:17	288	18:40
2024	May	07	(Tue)	05:09	05:32	72	11:55	89N	18:17	288	18:40
2024	May	08	(Wed)	05:09	05:32	72	11:54	89N	18:18	288	18:40
2024	May	09	(Thu)	05:08	05:31	72	11:54	89N	18:18	288	18:41
2024	May	10	(Fri)	05:08	05:31	71	11:54	88N	18:18	289	18:41
2024	May	11	(Sat)	05:08	05:30	71	11:54	88N	18:19	289	18:41
2024	May	12	(Sun)	05:07	05:30	71	11:54	88N	18:19	289	18:42
2024	May	13	(Mon)	05:07	05:30	71	11:54	88N	18:19	290	18:42
2024	May	14	(Tue)	05:07	05:29	70	11:54	87N	18:19	290	18:42
2024	May	15	(Wed)	05:06	05:29	70	11:54	87N	18:20	290	18:43
2024	May	16	(Thu)	05:06	05:29	70	11:54	87N	18:20	290	18:43
2024	May	17	(Fri)	05:06	05:29	70	11:54	87N	18:20	290	18:43
2024	May	18	(Sat)	05:05	05:28	69	11:54	86N	18:21	291	18:44
2024	May	19	(Sun)	05:05	05:28	69	11:55	86N	18:21	291	18:44
2024	May	20	(Mon)	05:05	05:28	69	11:55	86N	18:21	291	18:44
2024	May	21	(Tue)	05:05	05:28	69	11:55	86N	18:22	291	18:45
2024	May	22	(Wed)	05:04	05:28	69	11:55	86N	18:22	292	18:45
2024	May	23	(Thu)	05:04	05:27	68	11:55	85N	18:22	292	18:46
2024	May	24	(Fri)	05:04	05:27	68	11:55	85N	18:23	292	18:46
2024	May	25	(Sat)	05:04	05:27	68	11:55	85N	18:23	292	18:46
2024	May	26	(Sun)	05:04	05:27	68	11:55	85N	18:23	292	18:47
2024	May	27	(Mon)	05:04	05:27	68	11:55	85N	18:24	292	18:47
2024	May	28	(Tue)	05:03	05:27	67	11:55	84N	18:24	293	18:47
2024	May	29	(Wed)	05:03	05:27	67	11:55	84N	18:24	293	18:48
2024	May	30	(Thu)	05:03	05:27	67	11:56	84N	18:25	293	18:48
2024	May	31	(Fri)	05:03	05:27	67	11:56	84N	18:25	293	18:48
2024	Jun	01	(Sat)	05:03	05:27	67	11:56	84N	18:25	293	18:49
2024	Jun	02	(Sun)	05:03	05:27	67	11:56	84N	18:26	293	18:49
2024	Jun	03	(Mon)	05:03	05:27	67	11:56	84N	18:26	294	18:49
2024	Jun	04	(Tue)	05:03	05:27	66	11:56	84N	18:26	294	18:50
2024	Jun	05	(Wed)	05:03	05:27	66	11:57	83N	18:27	294	18:50
2024	Jun	06	(Thu)	05:03	05:27	66	11:57	83N	18:27	294	18:51
2024	Jun	07	(Fri)	05:03	05:27	66	11:57	83N	18:27	294	18:51
2024	Jun	08	(Sat)	05:03	05:27	66	11:57	83N	18:28	294	18:51
2024	Jun	09	(Sun)	05:03	05:27	66	11:57	83N	18:28	294	18:51
2024	Jun	10	(Mon)	05:03	05:27	66	11:58	83N	18:28	294	18:52
2024	Jun	11	(Tue)	05:03	05:27	66	11:58	83N	18:28	294	18:52
2024	Jun	12	(Wed)	05:04	05:27	66	11:58	83N	18:29	294	18:52
2024	Jun	13	(Thu)	05:04	05:27	66	11:58	83N	18:29	294	18:53
2024	Jun	14	(Fri)	05:04	05:27	66	11:58	83N	18:29	294	18:53
2024	Jun	15	(Sat)	05:04	05:28	66	11:59	83N	18:30	295	18:53
2024	Jun	16	(Sun)	05:04	05:28	65	11:59	83N	18:30	295	18:54
2024	Jun	17	(Mon)	05:04	05:28	65	11:59	83N	18:30	295	18:54
2024	Jun	18	(Tue)	05:04	05:28	65	11:59	83N	18:30	295	18:54
2024	Jun	19	(Wed)	05:05	05:28	65	11:59	83N	18:31	295	18:54
2024	Jun	20	(Thu)	05:05	05:29	65	12:00	83N	18:31	295	18:55
2024	Jun	21	(Fri)	05:05	05:29	65	12:00	83N	18:31	295	18:55
2024	Jun	22	(Sat)	05:05	05:29	65	12:00	83N	18:31	295	18:55
2024	Jun	23	(Sun)	05:05	05:29	65	12:00	83N	18:31	295	18:55
2024	Jun	24	(Mon)	05:06	05:29	65	12:01	83N	18:32	295	18:55
2024	Jun	25	(Tue)	05:06	05:30	65	12:01	83N	18:32	295	18:55
2024	Jun	26	(Wed)	05:06	05:30	65	12:01	83N	18:32	294	18:56
2024	Jun	27	(Thu)	05:06	05:30	66	12:01	83N	18:32	294	18:56
2024	Jun	28	(Fri)	05:07	05:30	66	12:01	83N	18:32	294	18:56
2024	Jun	29	(Sat)	05:07	05:31	66	12:02	83N	18:32	294	18:56
2024	Jun	30	(Sun)	05:07	05:31	66	12:02	83N	18:32	294	18:56
2024	Jul	01	(Mon)	05:08	05:31	66	12:02	83N	18:33	294	18:56
2024	Jul	02	(Tue)	05:08	05:32	66	12:02	83N	18:33	294	18:56
2024	Jul	03	(Wed)	05:08	05:32	66	12:02	83N	18:33	294	18:56

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

2024	Sep	14	(Sat)	05:25	05:47	86	11:53	79S	18:00	273	18:22
2024	Sep	15	(Sun)	05:25	05:47	87	11:53	78S	17:59	273	18:21
2024	Sep	16	(Mon)	05:25	05:47	87	11:53	78S	17:59	273	18:20
2024	Sep	17	(Tue)	05:25	05:47	88	11:52	77S	17:58	272	18:19
2024	Sep	18	(Wed)	05:25	05:47	88	11:52	77S	17:57	272	18:19
2024	Sep	19	(Thu)	05:25	05:47	88	11:52	77S	17:56	271	18:18
2024	Sep	20	(Fri)	05:25	05:47	89	11:51	76S	17:56	271	18:17
2024	Sep	21	(Sat)	05:26	05:47	89	11:51	76S	17:55	271	18:16
2024	Sep	22	(Sun)	05:26	05:47	90	11:51	76S	17:54	270	18:15
2024	Sep	23	(Mon)	05:26	05:47	90	11:50	75S	17:53	270	18:15
2024	Sep	24	(Tue)	05:26	05:47	90	11:50	75S	17:52	269	18:14
2024	Sep	25	(Wed)	05:26	05:47	91	11:50	74S	17:52	269	18:13
2024	Sep	26	(Thu)	05:26	05:47	91	11:49	74S	17:51	269	18:12
2024	Sep	27	(Fri)	05:26	05:47	92	11:49	74S	17:50	268	18:12
2024	Sep	28	(Sat)	05:26	05:48	92	11:49	73S	17:49	268	18:11
2024	Sep	29	(Sun)	05:26	05:48	92	11:48	73S	17:49	267	18:10
2024	Sep	30	(Mon)	05:26	05:48	93	11:48	72S	17:48	267	18:09
2024	Oct	01	(Tue)	05:26	05:48	93	11:48	72S	17:47	267	18:09
2024	Oct	02	(Wed)	05:26	05:48	94	11:47	72S	17:46	266	18:08
2024	Oct	03	(Thu)	05:27	05:48	94	11:47	71S	17:46	266	18:07
2024	Oct	04	(Fri)	05:27	05:48	94	11:47	71S	17:45	265	18:06
2024	Oct	05	(Sat)	05:27	05:48	95	11:46	70S	17:44	265	18:06
2024	Oct	06	(Sun)	05:27	05:48	95	11:46	70S	17:44	265	18:05
2024	Oct	07	(Mon)	05:27	05:49	96	11:46	70S	17:43	264	18:04
2024	Oct	08	(Tue)	05:27	05:49	96	11:45	69S	17:42	264	18:04
2024	Oct	09	(Wed)	05:27	05:49	96	11:45	69S	17:41	263	18:03
2024	Oct	10	(Thu)	05:27	05:49	97	11:45	69S	17:41	263	18:02
2024	Oct	11	(Fri)	05:28	05:49	97	11:45	68S	17:40	263	18:02
2024	Oct	12	(Sat)	05:28	05:49	98	11:44	68S	17:39	262	18:01
2024	Oct	13	(Sun)	05:28	05:49	98	11:44	67S	17:39	262	18:00
2024	Oct	14	(Mon)	05:28	05:50	98	11:44	67S	17:38	262	18:00
2024	Oct	15	(Tue)	05:28	05:50	99	11:44	67S	17:37	261	17:59
2024	Oct	16	(Wed)	05:28	05:50	99	11:44	66S	17:37	261	17:59
2024	Oct	17	(Thu)	05:28	05:50	99	11:43	66S	17:36	260	17:58
2024	Oct	18	(Fri)	05:29	05:50	100	11:43	66S	17:36	260	17:57
2024	Oct	19	(Sat)	05:29	05:51	100	11:43	65S	17:35	260	17:57
2024	Oct	20	(Sun)	05:29	05:51	101	11:43	65S	17:34	259	17:56
2024	Oct	21	(Mon)	05:29	05:51	101	11:43	65S	17:34	259	17:56
2024	Oct	22	(Tue)	05:30	05:51	101	11:42	64S	17:33	259	17:55
2024	Oct	23	(Wed)	05:30	05:52	102	11:42	64S	17:33	258	17:55
2024	Oct	24	(Thu)	05:30	05:52	102	11:42	63S	17:32	258	17:54
2024	Oct	25	(Fri)	05:30	05:52	102	11:42	63S	17:32	257	17:54
2024	Oct	26	(Sat)	05:30	05:52	103	11:42	63S	17:31	257	17:53
2024	Oct	27	(Sun)	05:31	05:53	103	11:42	62S	17:31	257	17:53
2024	Oct	28	(Mon)	05:31	05:53	103	11:42	62S	17:30	256	17:52
2024	Oct	29	(Tue)	05:31	05:53	104	11:42	62S	17:30	256	17:52
2024	Oct	30	(Wed)	05:32	05:54	104	11:42	61S	17:30	256	17:52
2024	Oct	31	(Thu)	05:32	05:54	104	11:42	61S	17:29	255	17:51
2024	Nov	01	(Fri)	05:32	05:54	105	11:42	61S	17:29	255	17:51
2024	Nov	02	(Sat)	05:32	05:55	105	11:42	60S	17:28	255	17:50
2024	Nov	03	(Sun)	05:33	05:55	105	11:42	60S	17:28	254	17:50
2024	Nov	04	(Mon)	05:33	05:55	106	11:42	60S	17:28	254	17:50
2024	Nov	05	(Tue)	05:33	05:56	106	11:42	60S	17:27	254	17:50
2024	Nov	06	(Wed)	05:34	05:56	106	11:42	59S	17:27	253	17:49
2024	Nov	07	(Thu)	05:34	05:56	107	11:42	59S	17:27	253	17:49
2024	Nov	08	(Fri)	05:35	05:57	107	11:42	59S	17:26	253	17:49
2024	Nov	09	(Sat)	05:35	05:57	107	11:42	58S	17:26	253	17:49
2024	Nov	10	(Sun)	05:35	05:58	108	11:42	58S	17:26	252	17:48
2024	Nov	11	(Mon)	05:36	05:58	108	11:42	58S	17:26	252	17:48
2024	Nov	12	(Tue)	05:36	05:59	108	11:42	58S	17:26	252	17:48
2024	Nov	13	(Wed)	05:37	05:59	108	11:42	57S	17:25	251	17:48
2024	Nov	14	(Thu)	05:37	06:00	109	11:42	57S	17:25	251	17:48
2024	Nov	15	(Fri)	05:37	06:00	109	11:43	57S	17:25	251	17:48
2024	Nov	16	(Sat)	05:38	06:00	109	11:43	57S	17:25	251	17:48
2024	Nov	17	(Sun)	05:38	06:01	110	11:43	56S	17:25	250	17:48
2024	Nov	18	(Mon)	05:39	06:01	110	11:43	56S	17:25	250	17:47
2024	Nov	19	(Tue)	05:39	06:02	110	11:43	56S	17:25	250	17:47
2024	Nov	20	(Wed)	05:40	06:02	110	11:44	56S	17:25	250	17:47
2024	Nov	21	(Thu)	05:40	06:03	110	11:44	55S	17:25	249	17:47
2024	Nov	22	(Fri)	05:41	06:03	111	11:44	55S	17:25	249	17:48
2024	Nov	23	(Sat)	05:41	06:04	111	11:44	55S	17:25	249	17:48
2024	Nov	24	(Sun)	05:42	06:05	111	11:45	55S	17:25	249	17:48

2024	Nov	25	(Mon)	05:42	06:05	111	11:45	55S	17:25	249	17:48
2024	Nov	26	(Tue)	05:43	06:06	112	11:45	54S	17:25	248	17:48
2024	Nov	27	(Wed)	05:43	06:06	112	11:46	54S	17:25	248	17:48
2024	Nov	28	(Thu)	05:44	06:07	112	11:46	54S	17:25	248	17:48
2024	Nov	29	(Fri)	05:44	06:07	112	11:46	54S	17:25	248	17:48
2024	Nov	30	(Sat)	05:45	06:08	112	11:47	54S	17:25	248	17:48
2024	Dec	01	(Sun)	05:45	06:08	112	11:47	54S	17:26	247	17:49
2024	Dec	02	(Mon)	05:46	06:09	113	11:47	53S	17:26	247	17:49
2024	Dec	03	(Tue)	05:46	06:10	113	11:48	53S	17:26	247	17:49
2024	Dec	04	(Wed)	05:47	06:10	113	11:48	53S	17:26	247	17:49
2024	Dec	05	(Thu)	05:48	06:11	113	11:49	53S	17:27	247	17:50
2024	Dec	06	(Fri)	05:48	06:11	113	11:49	53S	17:27	247	17:50
2024	Dec	07	(Sat)	05:49	06:12	113	11:50	53S	17:27	247	17:50
2024	Dec	08	(Sun)	05:49	06:12	113	11:50	53S	17:27	247	17:51
2024	Dec	09	(Mon)	05:50	06:13	113	11:50	53S	17:28	246	17:51
2024	Dec	10	(Tue)	05:50	06:14	114	11:51	52S	17:28	246	17:51
2024	Dec	11	(Wed)	05:51	06:14	114	11:51	52S	17:28	246	17:52
2024	Dec	12	(Thu)	05:51	06:15	114	11:52	52S	17:29	246	17:52
2024	Dec	13	(Fri)	05:52	06:15	114	11:52	52S	17:29	246	17:52
2024	Dec	14	(Sat)	05:53	06:16	114	11:53	52S	17:30	246	17:53
2024	Dec	15	(Sun)	05:53	06:16	114	11:53	52S	17:30	246	17:53
2024	Dec	16	(Mon)	05:54	06:17	114	11:54	52S	17:30	246	17:54
2024	Dec	17	(Tue)	05:54	06:17	114	11:54	52S	17:31	246	17:54
2024	Dec	18	(Wed)	05:55	06:18	114	11:55	52S	17:31	246	17:55
2024	Dec	19	(Thu)	05:55	06:18	114	11:55	52S	17:32	246	17:55
2024	Dec	20	(Fri)	05:56	06:19	114	11:56	52S	17:32	246	17:56
2024	Dec	21	(Sat)	05:56	06:20	114	11:56	52S	17:33	246	17:56
2024	Dec	22	(Sun)	05:57	06:20	114	11:57	52S	17:33	246	17:57
2024	Dec	23	(Mon)	05:57	06:20	114	11:57	52S	17:34	246	17:57
2024	Dec	24	(Tue)	05:58	06:21	114	11:58	52S	17:34	246	17:58
2024	Dec	25	(Wed)	05:58	06:21	114	11:58	52S	17:35	246	17:58
2024	Dec	26	(Thu)	05:59	06:22	114	11:59	52S	17:35	246	17:59
2024	Dec	27	(Fri)	05:59	06:22	114	11:59	52S	17:36	246	17:59
2024	Dec	28	(Sat)	05:59	06:23	114	12:00	52S	17:37	246	18:00
2024	Dec	29	(Sun)	06:00	06:23	114	12:00	52S	17:37	246	18:00
2024	Dec	30	(Mon)	06:00	06:24	114	12:01	52S	17:38	246	18:01
2024	Dec	31	(Tue)	06:01	06:24	114	12:01	52S	17:38	246	18:01

Moon

Khlong Chiam

Location: E105°30'00.0", N15°19'00.0", 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)	22:09	80		03:49	89S		10:12	282	
2024 Jan 02 (Tue)	22:55	86		04:29	83S		10:46	277	
2024 Jan 03 (Wed)	23:40	92		05:08	77S		11:18	271	
2024 Jan 04 (Thu)				05:47	72S		11:51	265	
2024 Jan 05 (Fri)	00:27	98		06:28	66S		12:25	259	
2024 Jan 06 (Sat)	01:15	104		07:10	60S		13:03	253	
2024 Jan 07 (Sun)	02:07	109		07:57	55S		13:44	248	
2024 Jan 08 (Mon)	03:04	114		08:49	51S		14:32	244	
2024 Jan 09 (Tue)	04:04	117		09:46	48S		15:26	242	
2024 Jan 10 (Wed)	05:07	119		10:47	47S		16:27	241	
2024 Jan 11 (Thu)	06:10	119		11:51	47S		17:33	242	
2024 Jan 12 (Fri)	07:10	116		12:54	50S		18:40	245	
2024 Jan 13 (Sat)	08:05	112		13:54	55S		19:45	251	
2024 Jan 14 (Sun)	08:54	106		14:49	61S		20:47	257	
2024 Jan 15 (Mon)	09:39	99		15:40	68S		21:46	264	
2024 Jan 16 (Tue)	10:20	92		16:29	75S		22:42	272	
2024 Jan 17 (Wed)	11:00	85		17:17	82S		23:38	279	
2024 Jan 18 (Thu)	11:40	78		18:05	88S				
2024 Jan 19 (Fri)	12:22	72		18:54	87N		00:33	285	
2024 Jan 20 (Sat)	13:07	67		19:46	83N		01:30	291	
2024 Jan 21 (Sun)	13:55	63		20:40	79N		02:28	295	
2024 Jan 22 (Mon)	14:47	61		21:35	78N		03:26	298	
2024 Jan 23 (Tue)	15:42	61		22:30	78N		04:23	299	

2024	Jan	24	(Wed)	16:37	62	23:24	79N	05:18	299
2024	Jan	25	(Thu)	17:32	64			06:08	297
2024	Jan	26	(Fri)	18:25	68	00:14	82N	06:53	294
2024	Jan	27	(Sat)	19:16	73	01:01	86N	07:34	289
2024	Jan	28	(Sun)	20:03	78	01:45	90S	08:11	284
2024	Jan	29	(Mon)	20:50	84	02:26	85S	08:45	279
2024	Jan	30	(Tue)	21:35	90	03:05	79S	09:18	273
2024	Jan	31	(Wed)	22:21	96	03:44	74S	09:50	267
2024	Feb	01	(Thu)	23:07	102	04:23	68S	10:23	261
2024	Feb	02	(Fri)	23:57	107	05:04	62S	10:58	255
2024	Feb	03	(Sat)			05:48	57S	11:37	250
2024	Feb	04	(Sun)	00:50	112	06:36	52S	12:20	246
2024	Feb	05	(Mon)	01:47	116	07:29	49S	13:10	242
2024	Feb	06	(Tue)	02:47	119	08:27	47S	14:07	241
2024	Feb	07	(Wed)	03:50	119	09:29	47S	15:09	241
2024	Feb	08	(Thu)	04:51	118	10:33	48S	16:16	243
2024	Feb	09	(Fri)	05:49	115	11:34	52S	17:23	248
2024	Feb	10	(Sat)	06:41	109	12:33	58S	18:28	254
2024	Feb	11	(Sun)	07:29	103	13:28	65S	19:30	261
2024	Feb	12	(Mon)	08:13	95	14:20	72S	20:30	269
2024	Feb	13	(Tue)	08:55	88	15:10	79S	21:28	276
2024	Feb	14	(Wed)	09:37	80	15:59	86S	22:26	283
2024	Feb	15	(Thu)	10:19	74	16:50	89N	23:24	289
2024	Feb	16	(Fri)	11:04	68	17:42	84N		
2024	Feb	17	(Sat)	11:52	64	18:35	80N	00:22	294
2024	Feb	18	(Sun)	12:43	61	19:31	78N	01:21	298
2024	Feb	19	(Mon)	13:37	61	20:26	77N	02:19	299
2024	Feb	20	(Tue)	14:32	61	21:19	79N	03:14	299
2024	Feb	21	(Wed)	15:27	63	22:10	81N	04:05	298
2024	Feb	22	(Thu)	16:20	67	22:58	85N	04:51	295
2024	Feb	23	(Fri)	17:11	71	23:43	89N	05:33	291
2024	Feb	24	(Sat)	18:00	77			06:11	286
2024	Feb	25	(Sun)	18:46	82	00:24	87S	06:46	281
2024	Feb	26	(Mon)	19:32	88	01:04	81S	07:19	275
2024	Feb	27	(Tue)	20:17	94	01:43	75S	07:51	269
2024	Feb	28	(Wed)	21:03	100	02:22	70S	08:24	263
2024	Feb	29	(Thu)	21:52	106	03:02	64S	08:58	257
2024	Mar	01	(Fri)	22:42	111	03:44	59S	09:35	252
2024	Mar	02	(Sat)	23:37	115	04:30	54S	10:15	247
2024	Mar	03	(Sun)			05:20	50S	11:01	243
2024	Mar	04	(Mon)	00:34	118	06:14	47S	11:53	241
2024	Mar	05	(Tue)	01:34	120	07:13	46S	12:51	240
2024	Mar	06	(Wed)	02:34	119	08:13	47S	13:54	242
2024	Mar	07	(Thu)	03:32	117	09:14	50S	15:00	245
2024	Mar	08	(Fri)	04:26	112	10:14	55S	16:05	250
2024	Mar	09	(Sat)	05:15	106	11:10	61S	17:08	257
2024	Mar	10	(Sun)	06:01	99	12:03	68S	18:10	264
2024	Mar	11	(Mon)	06:45	92	12:55	76S	19:10	272
2024	Mar	12	(Tue)	07:28	84	13:46	83S	20:10	280
2024	Mar	13	(Wed)	08:11	77	14:38	90S	21:10	287
2024	Mar	14	(Thu)	08:57	70	15:32	86N	22:10	292
2024	Mar	15	(Fri)	09:45	65	16:27	81N	23:12	297
2024	Mar	16	(Sat)	10:37	62	17:23	78N		
2024	Mar	17	(Sun)	11:31	60	18:20	77N	00:12	299
2024	Mar	18	(Mon)	12:27	61	19:15	78N	01:09	300
2024	Mar	19	(Tue)	13:22	62	20:07	80N	02:02	299
2024	Mar	20	(Wed)	14:16	66	20:56	83N	02:50	296
2024	Mar	21	(Thu)	15:08	70	21:41	88N	03:33	292
2024	Mar	22	(Fri)	15:57	75	22:24	89S	04:12	288
2024	Mar	23	(Sat)	16:44	80	23:04	83S	04:47	282
2024	Mar	24	(Sun)	17:29	86	23:43	77S	05:21	277
2024	Mar	25	(Mon)	18:15	92			05:53	271
2024	Mar	26	(Tue)	19:01	98	00:22	71S	06:26	265
2024	Mar	27	(Wed)	19:49	104	01:02	66S	06:59	259
2024	Mar	28	(Thu)	20:39	109	01:43	60S	07:35	253
2024	Mar	29	(Fri)	21:32	114	02:28	55S	08:14	248
2024	Mar	30	(Sat)	22:27	117	03:16	51S	08:58	244
2024	Mar	31	(Sun)	23:25	119	04:08	48S	09:47	242
2024	Apr	01	(Mon)			05:04	46S	10:42	240
2024	Apr	02	(Tue)	00:24	120	06:02	46S	11:42	241
2024	Apr	03	(Wed)	01:21	118	07:01	48S	12:44	243
2024	Apr	04	(Thu)	02:14	115	07:59	52S	13:47	248

2024	Apr	05	(Fri)	03:04	109	08:55	58S	14:49	253
2024	Apr	06	(Sat)	03:50	103	09:48	64S	15:50	260
2024	Apr	07	(Sun)	04:34	96	10:39	71S	16:49	268
2024	Apr	08	(Mon)	05:16	88	11:30	79S	17:49	276
2024	Apr	09	(Tue)	05:59	80	12:22	86S	18:49	283
2024	Apr	10	(Wed)	06:44	74	13:16	88N	19:51	290
2024	Apr	11	(Thu)	07:32	68	14:12	83N	20:54	295
2024	Apr	12	(Fri)	08:24	63	15:10	79N	21:57	298
2024	Apr	13	(Sat)	09:19	61	16:08	77N	22:58	300
2024	Apr	14	(Sun)	10:17	60	17:06	77N	23:54	299
2024	Apr	15	(Mon)	11:14	62	18:01	79N		
2024	Apr	16	(Tue)	12:10	64	18:52	82N	00:45	297
2024	Apr	17	(Wed)	13:02	68	19:38	86N	01:31	294
2024	Apr	18	(Thu)	13:52	73	20:22	91S	02:11	289
2024	Apr	19	(Fri)	14:40	78	21:03	85S	02:48	284
2024	Apr	20	(Sat)	15:26	84	21:42	79S	03:22	279
2024	Apr	21	(Sun)	16:12	90	22:21	74S	03:54	273
2024	Apr	22	(Mon)	16:57	96	23:00	68S	04:27	267
2024	Apr	23	(Tue)	17:45	102	23:41	62S	05:00	261
2024	Apr	24	(Wed)	18:34	108			05:35	255
2024	Apr	25	(Thu)	19:27	113	00:25	57S	06:14	250
2024	Apr	26	(Fri)	20:22	116	01:13	52S	06:56	246
2024	Apr	27	(Sat)	21:20	119	02:04	49S	07:44	242
2024	Apr	28	(Sun)	22:19	120	02:59	47S	08:38	241
2024	Apr	29	(Mon)	23:16	119	03:57	46S	09:36	241
2024	Apr	30	(Tue)			04:55	48S	10:36	242
2024	May	01	(Wed)	00:09	116	05:52	51S	11:38	246
2024	May	02	(Thu)	00:59	111	06:47	55S	12:38	251
2024	May	03	(Fri)	01:44	106	07:39	61S	13:37	258
2024	May	04	(Sat)	02:27	99	08:29	68S	14:35	265
2024	May	05	(Sun)	03:09	92	09:19	75S	15:33	272
2024	May	06	(Mon)	03:50	84	10:08	83S	16:31	280
2024	May	07	(Tue)	04:33	77	11:00	90S	17:31	287
2024	May	08	(Wed)	05:19	71	11:55	86N	18:34	292
2024	May	09	(Thu)	06:09	65	12:52	81N	19:38	297
2024	May	10	(Fri)	07:04	62	13:52	78N	20:41	299
2024	May	11	(Sat)	08:02	60	14:51	77N	21:41	300
2024	May	12	(Sun)	09:01	61	15:49	78N	22:36	298
2024	May	13	(Mon)	09:59	63	16:43	81N	23:24	295
2024	May	14	(Tue)	10:54	67	17:32	84N		
2024	May	15	(Wed)	11:46	71	18:18	89N	00:08	291
2024	May	16	(Thu)	12:35	76	19:00	87S	00:46	286
2024	May	17	(Fri)	13:21	82	19:39	82S	01:21	281
2024	May	18	(Sat)	14:07	88	20:18	76S	01:54	275
2024	May	19	(Sun)	14:52	94	20:57	70S	02:27	269
2024	May	20	(Mon)	15:39	100	21:38	64S	02:59	263
2024	May	21	(Tue)	16:28	106	22:21	59S	03:34	257
2024	May	22	(Wed)	17:20	111	23:07	54S	04:11	252
2024	May	23	(Thu)	18:15	115	23:58	50S	04:53	247
2024	May	24	(Fri)	19:13	118			05:40	243
2024	May	25	(Sat)	20:12	120	00:53	47S	06:32	241
2024	May	26	(Sun)	21:11	119	01:51	46S	07:29	240
2024	May	27	(Mon)	22:06	117	02:50	47S	08:30	242
2024	May	28	(Tue)	22:57	113	03:48	50S	09:32	245
2024	May	29	(Wed)	23:43	107	04:43	54S	10:33	250
2024	May	30	(Thu)			05:35	60S	11:31	256
2024	May	31	(Fri)	00:26	101	06:25	66S	12:28	262
2024	Jun	01	(Sat)	01:06	94	07:13	73S	13:24	270
2024	Jun	02	(Sun)	01:46	87	08:01	80S	14:20	277
2024	Jun	03	(Mon)	02:27	80	08:51	87S	15:18	284
2024	Jun	04	(Tue)	03:11	73	09:42	88N	16:18	290
2024	Jun	05	(Wed)	03:58	68	10:37	83N	17:20	295
2024	Jun	06	(Thu)	04:50	63	11:36	79N	18:23	298
2024	Jun	07	(Fri)	05:46	61	12:35	78N	19:25	299
2024	Jun	08	(Sat)	06:45	61	13:35	78N	20:23	299
2024	Jun	09	(Sun)	07:45	62	14:31	80N	21:15	297
2024	Jun	10	(Mon)	08:42	65	15:23	83N	22:01	293
2024	Jun	11	(Tue)	09:36	69	16:11	87N	22:42	288
2024	Jun	12	(Wed)	10:27	74	16:55	89S	23:19	283
2024	Jun	13	(Thu)	11:15	80	17:35	84S	23:53	277
2024	Jun	14	(Fri)	12:01	86	18:15	78S		
2024	Jun	15	(Sat)	12:46	92	18:54	72S	00:25	271

2024 Jun 16 (Sun)	13:32 98	19:33 66S	00:58 265
2024 Jun 17 (Mon)	14:20 104	20:15 61S	01:31 259
2024 Jun 18 (Tue)	15:10 109	21:00 56S	02:07 254
2024 Jun 19 (Wed)	16:04 114	21:49 51S	02:47 249
2024 Jun 20 (Thu)	17:01 117	22:42 48S	03:32 245
2024 Jun 21 (Fri)	18:01 119	23:40 47S	04:22 242
2024 Jun 22 (Sat)	19:01 119		05:19 240
2024 Jun 23 (Sun)	19:59 118	00:40 47S	06:20 241
2024 Jun 24 (Mon)	20:52 114	01:40 49S	07:23 244
2024 Jun 25 (Tue)	21:41 109	02:38 53S	08:26 248
2024 Jun 26 (Wed)	22:25 103	03:32 58S	09:26 254
2024 Jun 27 (Thu)	23:06 96	04:23 64S	10:24 261
2024 Jun 28 (Fri)	23:46 89	05:11 71S	11:20 268
2024 Jun 29 (Sat)		05:59 78S	12:16 275
2024 Jun 30 (Sun)	00:26 82	06:47 85S	13:12 282
2024 Jul 01 (Mon)	01:08 75	07:37 90N	14:10 288
2024 Jul 02 (Tue)	01:53 69	08:29 85N	15:09 293
2024 Jul 03 (Wed)	02:42 65	09:25 80N	16:11 297
2024 Jul 04 (Thu)	03:36 62	10:23 78N	17:12 299
2024 Jul 05 (Fri)	04:33 61	11:22 77N	18:11 299
2024 Jul 06 (Sat)	05:32 61	12:20 79N	19:06 298
2024 Jul 07 (Sun)	06:30 64	13:13 81N	19:54 294
2024 Jul 08 (Mon)	07:26 68	14:03 85N	20:37 290
2024 Jul 09 (Tue)	08:18 72	14:49 90N	21:16 285
2024 Jul 10 (Wed)	09:07 78	15:31 86S	21:51 279
2024 Jul 11 (Thu)	09:54 84	16:11 80S	22:24 273
2024 Jul 12 (Fri)	10:40 90	16:50 74S	22:56 267
2024 Jul 13 (Sat)	11:25 96	17:29 68S	23:29 262
2024 Jul 14 (Sun)	12:12 101	18:09 63S	
2024 Jul 15 (Mon)	13:00 107	18:52 57S	00:03 256
2024 Jul 16 (Tue)	13:52 112	19:39 53S	00:41 251
2024 Jul 17 (Wed)	14:47 116	20:30 49S	01:23 246
2024 Jul 18 (Thu)	15:46 119	21:25 47S	02:10 243
2024 Jul 19 (Fri)	16:46 120	22:25 46S	03:04 241
2024 Jul 20 (Sat)	17:46 119	23:26 48S	04:04 241
2024 Jul 21 (Sun)	18:42 116		05:08 242
2024 Jul 22 (Mon)	19:34 111	00:26 51S	06:12 246
2024 Jul 23 (Tue)	20:21 105	01:23 56S	07:15 252
2024 Jul 24 (Wed)	21:04 98	02:16 62S	08:15 258
2024 Jul 25 (Thu)	21:45 91	03:07 69S	09:14 265
2024 Jul 26 (Fri)	22:26 84	03:56 76S	10:11 273
2024 Jul 27 (Sat)	23:07 77	04:44 83S	11:07 280
2024 Jul 28 (Sun)	23:51 71	05:34 90S	12:05 287
2024 Jul 29 (Mon)		06:26 86N	13:04 292
2024 Jul 30 (Tue)	00:38 66	07:20 81N	14:04 296
2024 Jul 31 (Wed)	01:30 62	08:17 79N	15:05 299
2024 Aug 01 (Thu)	02:25 61	09:15 77N	16:04 300
2024 Aug 02 (Fri)	03:23 61	10:12 78N	16:59 298
2024 Aug 03 (Sat)	04:21 63	11:06 80N	17:49 296
2024 Aug 04 (Sun)	05:17 66	11:57 84N	18:33 292
2024 Aug 05 (Mon)	06:11 70	12:44 88N	19:13 287
2024 Aug 06 (Tue)	07:01 76	13:27 88S	19:50 281
2024 Aug 07 (Wed)	07:49 81	14:08 82S	20:23 276
2024 Aug 08 (Thu)	08:35 87	14:47 76S	20:56 270
2024 Aug 09 (Fri)	09:20 93	15:26 70S	21:28 264
2024 Aug 10 (Sat)	10:06 99	16:05 65S	22:01 258
2024 Aug 11 (Sun)	10:53 105	16:46 59S	22:37 253
2024 Aug 12 (Mon)	11:42 110	17:31 54S	23:16 248
2024 Aug 13 (Tue)	12:35 114	18:19 50S	
2024 Aug 14 (Wed)	13:31 118	19:12 48S	00:01 244
2024 Aug 15 (Thu)	14:30 120	20:08 46S	00:51 241
2024 Aug 16 (Fri)	15:29 120	21:08 47S	01:47 240
2024 Aug 17 (Sat)	16:27 118	22:08 49S	02:48 241
2024 Aug 18 (Sun)	17:21 114	23:07 53S	03:52 244
2024 Aug 19 (Mon)	18:11 108		04:56 249
2024 Aug 20 (Tue)	18:57 101	00:03 59S	05:59 255
2024 Aug 21 (Wed)	19:40 94	00:56 66S	07:00 262
2024 Aug 22 (Thu)	20:22 86	01:47 73S	07:59 270
2024 Aug 23 (Fri)	21:04 79	02:38 81S	08:58 278
2024 Aug 24 (Sat)	21:48 72	03:28 88S	09:57 285
2024 Aug 25 (Sun)	22:35 67	04:21 87N	10:57 291
2024 Aug 26 (Mon)	23:26 63	05:15 82N	11:58 295

2024 Aug 27 (Tue)		06:12 79N	13:00 298
2024 Aug 28 (Wed)	00:21 61	07:10 77N	13:59 300
2024 Aug 29 (Thu)	01:18 60	08:07 77N	14:55 299
2024 Aug 30 (Fri)	02:15 62	09:02 79N	15:46 297
2024 Aug 31 (Sat)	03:12 65	09:53 82N	16:32 293
2024 Sep 01 (Sun)	04:06 69	10:41 87N	17:13 289
2024 Sep 02 (Mon)	04:56 74	11:25 90S	17:50 283
2024 Sep 03 (Tue)	05:45 79	12:06 84S	18:24 278
2024 Sep 04 (Wed)	06:31 85	12:45 78S	18:57 272
2024 Sep 05 (Thu)	07:16 91	13:24 72S	19:29 266
2024 Sep 06 (Fri)	08:02 97	14:03 67S	20:02 260
2024 Sep 07 (Sat)	08:48 103	14:44 61S	20:36 254
2024 Sep 08 (Sun)	09:36 108	15:26 56S	21:13 249
2024 Sep 09 (Mon)	10:27 113	16:12 52S	21:55 245
2024 Sep 10 (Tue)	11:21 117	17:02 48S	22:42 242
2024 Sep 11 (Wed)	12:17 119	17:56 46S	23:34 240
2024 Sep 12 (Thu)	13:15 120	18:53 46S	
2024 Sep 13 (Fri)	14:12 119	19:52 48S	00:31 240
2024 Sep 14 (Sat)	15:06 116	20:50 51S	01:33 242
2024 Sep 15 (Sun)	15:57 111	21:46 56S	02:36 246
2024 Sep 16 (Mon)	16:45 105	22:41 62S	03:39 252
2024 Sep 17 (Tue)	17:29 98	23:33 69S	04:40 258
2024 Sep 18 (Wed)	18:12 90		05:41 266
2024 Sep 19 (Thu)	18:55 82	00:24 77S	06:41 274
2024 Sep 20 (Fri)	19:40 75	01:16 85S	07:41 282
2024 Sep 21 (Sat)	20:28 69	02:10 90N	08:43 288
2024 Sep 22 (Sun)	21:19 64	03:05 84N	09:47 294
2024 Sep 23 (Mon)	22:14 61	04:03 80N	10:50 298
2024 Sep 24 (Tue)	23:12 60	05:03 78N	11:52 300
2024 Sep 25 (Wed)		06:01 77N	12:51 300
2024 Sep 26 (Thu)	00:10 61	06:58 78N	13:44 298
2024 Sep 27 (Fri)	01:07 64	07:51 81N	14:31 295
2024 Sep 28 (Sat)	02:02 67	08:39 85N	15:13 290
2024 Sep 29 (Sun)	02:53 72	09:24 90N	15:51 285
2024 Sep 30 (Mon)	03:42 78	10:06 86S	16:26 280
2024 Oct 01 (Tue)	04:29 83	10:45 80S	16:58 274
2024 Oct 02 (Wed)	05:14 89	11:24 74S	17:31 268
2024 Oct 03 (Thu)	05:59 95	12:03 68S	18:03 262
2024 Oct 04 (Fri)	06:45 101	12:43 63S	18:37 256
2024 Oct 05 (Sat)	07:33 107	13:25 58S	19:13 251
2024 Oct 06 (Sun)	08:23 112	14:09 53S	19:53 246
2024 Oct 07 (Mon)	09:16 116	14:58 49S	20:38 243
2024 Oct 08 (Tue)	10:10 118	15:49 47S	21:27 241
2024 Oct 09 (Wed)	11:07 120	16:44 46S	22:22 240
2024 Oct 10 (Thu)	12:02 119	17:41 47S	23:20 241
2024 Oct 11 (Fri)	12:56 117	18:37 49S	
2024 Oct 12 (Sat)	13:47 114	19:33 53S	00:20 244
2024 Oct 13 (Sun)	14:34 108	20:26 59S	01:21 249
2024 Oct 14 (Mon)	15:18 102	21:18 65S	02:21 255
2024 Oct 15 (Tue)	16:01 94	22:08 73S	03:21 262
2024 Oct 16 (Wed)	16:44 86	23:00 81S	04:20 270
2024 Oct 17 (Thu)	17:28 79	23:53 88S	05:20 277
2024 Oct 18 (Fri)	18:14 72		06:22 285
2024 Oct 19 (Sat)	19:05 66	00:48 87N	07:26 291
2024 Oct 20 (Sun)	20:01 62	01:47 82N	08:32 296
2024 Oct 21 (Mon)	20:59 60	02:48 78N	09:38 299
2024 Oct 22 (Tue)	22:00 61	03:50 77N	10:40 300
2024 Oct 23 (Wed)	22:59 63	04:49 78N	11:37 299
2024 Oct 24 (Thu)	23:56 66	05:45 80N	12:28 296
2024 Oct 25 (Fri)		06:36 84N	13:12 292
2024 Oct 26 (Sat)	00:49 70	07:22 88N	13:51 287
2024 Oct 27 (Sun)	01:39 76	08:05 88S	14:27 281
2024 Oct 28 (Mon)	02:26 81	08:45 82S	15:00 276
2024 Oct 29 (Tue)	03:12 87	09:24 76S	15:32 270
2024 Oct 30 (Wed)	03:57 93	10:02 70S	16:05 264
2024 Oct 31 (Thu)	04:42 99	10:42 65S	16:38 258
2024 Nov 01 (Fri)	05:30 105	11:23 59S	17:14 252
2024 Nov 02 (Sat)	06:19 110	12:07 54S	17:53 248
2024 Nov 03 (Sun)	07:11 114	12:55 50S	18:36 244
2024 Nov 04 (Mon)	08:06 118	13:46 48S	19:24 241
2024 Nov 05 (Tue)	09:02 119	14:40 46S	20:17 240
2024 Nov 06 (Wed)	09:57 120	15:35 46S	21:14 241

2024 Nov 07 (Thu)	10:51 118	16:31 48S	22:13 243
2024 Nov 08 (Fri)	11:42 115	17:25 52S	23:12 247
2024 Nov 09 (Sat)	12:28 110	18:18 57S	
2024 Nov 10 (Sun)	13:12 104	19:08 63S	00:10 252
2024 Nov 11 (Mon)	13:54 98	19:57 70S	01:07 259
2024 Nov 12 (Tue)	14:34 90	20:46 77S	02:04 266
2024 Nov 13 (Wed)	15:16 83	21:36 84S	03:02 274
2024 Nov 14 (Thu)	16:01 76	22:30 90N	04:01 281
2024 Nov 15 (Fri)	16:49 69	23:27 84N	05:03 288
2024 Nov 16 (Sat)	17:42 64		06:08 294
2024 Nov 17 (Sun)	18:41 61	00:27 80N	07:15 298
2024 Nov 18 (Mon)	19:43 60	01:30 78N	08:21 300
2024 Nov 19 (Tue)	20:45 62	02:33 77N	09:23 299
2024 Nov 20 (Wed)	21:45 65	03:32 79N	10:18 297
2024 Nov 21 (Thu)	22:41 69	04:27 82N	11:06 293
2024 Nov 22 (Fri)	23:33 74	05:16 87N	11:48 289
2024 Nov 23 (Sat)		06:01 90S	12:26 283
2024 Nov 24 (Sun)	00:21 79	06:42 84S	13:00 278
2024 Nov 25 (Mon)	01:08 85	07:22 78S	13:33 272
2024 Nov 26 (Tue)	01:53 91	08:01 72S	14:05 266
2024 Nov 27 (Wed)	02:38 97	08:40 67S	14:38 260
2024 Nov 28 (Thu)	03:25 103	09:20 61S	15:13 254
2024 Nov 29 (Fri)	04:14 108	10:04 56S	15:51 249
2024 Nov 30 (Sat)	05:05 113	10:50 52S	16:33 245
2024 Dec 01 (Sun)	05:59 117	11:41 49S	17:20 242
2024 Dec 02 (Mon)	06:56 119	12:34 47S	18:12 241
2024 Dec 03 (Tue)	07:52 120	13:30 46S	19:09 241
2024 Dec 04 (Wed)	08:47 119	14:27 48S	20:08 242
2024 Dec 05 (Thu)	09:39 116	15:22 51S	21:07 246
2024 Dec 06 (Fri)	10:27 112	16:14 55S	22:05 251
2024 Dec 07 (Sat)	11:11 106	17:04 61S	23:01 257
2024 Dec 08 (Sun)	11:52 100	17:52 67S	23:57 264
2024 Dec 09 (Mon)	12:31 93	18:40 74S	
2024 Dec 10 (Tue)	13:11 85	19:27 81S	00:52 271
2024 Dec 11 (Wed)	13:53 78	20:18 88S	01:48 278
2024 Dec 12 (Thu)	14:37 72	21:11 87N	02:47 285
2024 Dec 13 (Fri)	15:27 66	22:09 82N	03:49 291
2024 Dec 14 (Sat)	16:22 63	23:10 79N	04:53 296
2024 Dec 15 (Sun)	17:22 61		05:59 299
2024 Dec 16 (Mon)	18:25 61	00:13 77N	07:03 300
2024 Dec 17 (Tue)	19:27 63	01:15 78N	08:03 298
2024 Dec 18 (Wed)	20:27 67	02:13 81N	08:55 295
2024 Dec 19 (Thu)	21:22 72	03:06 85N	09:41 291
2024 Dec 20 (Fri)	22:13 77	03:53 90N	10:21 285
2024 Dec 21 (Sat)	23:01 83	04:37 86S	10:58 280
2024 Dec 22 (Sun)	23:47 89	05:18 80S	11:31 274
2024 Dec 23 (Mon)		05:57 74S	12:04 268
2024 Dec 24 (Tue)	00:32 95	06:36 69S	12:37 262
2024 Dec 25 (Wed)	01:18 101	07:16 63S	13:10 256
2024 Dec 26 (Thu)	02:06 107	07:58 58S	13:47 251
2024 Dec 27 (Fri)	02:56 111	08:43 53S	14:27 247
2024 Dec 28 (Sat)	03:49 115	09:32 50S	15:13 243
2024 Dec 29 (Sun)	04:45 118	10:25 47S	16:03 241
2024 Dec 30 (Mon)	05:43 120	11:21 46S	16:59 240
2024 Dec 31 (Tue)	06:39 119	12:18 47S	17:59 242