

Sun

Chiangrai

Location: E 99°48'18.0", N19°51'18.0", 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)	06:04	06:55	114	12:24	48S	17:53	246	18:44
2024	Jan	02 (Tue)	06:04	06:56	114	12:24	48S	17:53	246	18:45
2024	Jan	03 (Wed)	06:05	06:56	114	12:25	48S	17:54	246	18:45
2024	Jan	04 (Thu)	06:05	06:56	114	12:25	48S	17:55	246	18:46
2024	Jan	05 (Fri)	06:05	06:57	114	12:26	48S	17:55	246	18:46
2024	Jan	06 (Sat)	06:06	06:57	114	12:26	48S	17:56	246	18:47
2024	Jan	07 (Sun)	06:06	06:57	114	12:27	48S	17:56	246	18:48
2024	Jan	08 (Mon)	06:06	06:57	114	12:27	49S	17:57	247	18:48
2024	Jan	09 (Tue)	06:07	06:58	113	12:28	49S	17:58	247	18:49
2024	Jan	10 (Wed)	06:07	06:58	113	12:28	49S	17:58	247	18:49
2024	Jan	11 (Thu)	06:07	06:58	113	12:28	49S	17:59	247	18:50
2024	Jan	12 (Fri)	06:07	06:58	113	12:29	49S	18:00	247	18:51
2024	Jan	13 (Sat)	06:07	06:58	113	12:29	49S	18:00	247	18:51
2024	Jan	14 (Sun)	06:07	06:58	113	12:30	49S	18:01	248	18:52
2024	Jan	15 (Mon)	06:08	06:58	112	12:30	50S	18:02	248	18:52
2024	Jan	16 (Tue)	06:08	06:58	112	12:30	50S	18:02	248	18:53
2024	Jan	17 (Wed)	06:08	06:58	112	12:31	50S	18:03	248	18:54
2024	Jan	18 (Thu)	06:08	06:58	112	12:31	50S	18:04	248	18:54
2024	Jan	19 (Fri)	06:08	06:58	112	12:31	50S	18:04	249	18:55
2024	Jan	20 (Sat)	06:08	06:58	111	12:32	51S	18:05	249	18:55
2024	Jan	21 (Sun)	06:08	06:58	111	12:32	51S	18:06	249	18:56
2024	Jan	22 (Mon)	06:08	06:58	111	12:32	51S	18:06	249	18:56
2024	Jan	23 (Tue)	06:08	06:58	111	12:32	51S	18:07	250	18:57
2024	Jan	24 (Wed)	06:08	06:58	110	12:33	52S	18:07	250	18:58
2024	Jan	25 (Thu)	06:08	06:58	110	12:33	52S	18:08	250	18:58
2024	Jan	26 (Fri)	06:08	06:58	110	12:33	52S	18:09	250	18:59
2024	Jan	27 (Sat)	06:08	06:58	110	12:33	52S	18:09	251	18:59
2024	Jan	28 (Sun)	06:08	06:57	109	12:34	53S	18:10	251	19:00
2024	Jan	29 (Mon)	06:07	06:57	109	12:34	53S	18:11	251	19:00
2024	Jan	30 (Tue)	06:07	06:57	109	12:34	53S	18:11	251	19:01
2024	Jan	31 (Wed)	06:07	06:57	108	12:34	53S	18:12	252	19:01
2024	Feb	01 (Thu)	06:07	06:56	108	12:34	54S	18:12	252	19:02
2024	Feb	02 (Fri)	06:07	06:56	108	12:34	54S	18:13	252	19:02
2024	Feb	03 (Sat)	06:06	06:56	108	12:34	54S	18:14	253	19:03
2024	Feb	04 (Sun)	06:06	06:55	107	12:35	54S	18:14	253	19:03
2024	Feb	05 (Mon)	06:06	06:55	107	12:35	55S	18:15	253	19:04
2024	Feb	06 (Tue)	06:06	06:55	107	12:35	55S	18:15	254	19:04
2024	Feb	07 (Wed)	06:05	06:54	106	12:35	55S	18:16	254	19:05
2024	Feb	08 (Thu)	06:05	06:54	106	12:35	56S	18:16	254	19:05
2024	Feb	09 (Fri)	06:04	06:53	106	12:35	56S	18:17	255	19:06
2024	Feb	10 (Sat)	06:04	06:53	105	12:35	56S	18:17	255	19:06
2024	Feb	11 (Sun)	06:04	06:52	105	12:35	57S	18:18	255	19:07
2024	Feb	12 (Mon)	06:03	06:52	105	12:35	57S	18:18	256	19:07
2024	Feb	13 (Tue)	06:03	06:51	104	12:35	57S	18:19	256	19:07
2024	Feb	14 (Wed)	06:02	06:51	104	12:35	58S	18:19	256	19:08
2024	Feb	15 (Thu)	06:02	06:50	103	12:35	58S	18:20	257	19:08
2024	Feb	16 (Fri)	06:01	06:50	103	12:35	58S	18:20	257	19:09
2024	Feb	17 (Sat)	06:01	06:49	103	12:35	59S	18:21	257	19:09
2024	Feb	18 (Sun)	06:00	06:49	102	12:35	59S	18:21	258	19:09
2024	Feb	19 (Mon)	06:00	06:48	102	12:35	59S	18:22	258	19:10
2024	Feb	20 (Tue)	05:59	06:47	102	12:35	60S	18:22	259	19:10
2024	Feb	21 (Wed)	05:59	06:47	101	12:34	60S	18:22	259	19:11
2024	Feb	22 (Thu)	05:58	06:46	101	12:34	60S	18:23	259	19:11
2024	Feb	23 (Fri)	05:57	06:45	100	12:34	61S	18:23	260	19:11
2024	Feb	24 (Sat)	05:57	06:45	100	12:34	61S	18:24	260	19:12
2024	Feb	25 (Sun)	05:56	06:44	100	12:34	62S	18:24	261	19:12
2024	Feb	26 (Mon)	05:55	06:43	99	12:34	62S	18:24	261	19:12
2024	Feb	27 (Tue)	05:55	06:43	99	12:34	62S	18:25	261	19:13
2024	Feb	28 (Wed)	05:54	06:42	98	12:33	63S	18:25	262	19:13
2024	Feb	29 (Thu)	05:53	06:41	98	12:33	63S	18:26	262	19:13

2024	Mar	01	(Fri)	05:53	06:40	98	12:33	63S	18:26	263	19:14
2024	Mar	02	(Sat)	05:52	06:40	97	12:33	64S	18:26	263	19:14
2024	Mar	03	(Sun)	05:51	06:39	97	12:33	64S	18:27	263	19:14
2024	Mar	04	(Mon)	05:50	06:38	96	12:32	65S	18:27	264	19:15
2024	Mar	05	(Tue)	05:50	06:37	96	12:32	65S	18:27	264	19:15
2024	Mar	06	(Wed)	05:49	06:37	96	12:32	65S	18:28	265	19:15
2024	Mar	07	(Thu)	05:48	06:36	95	12:32	66S	18:28	265	19:16
2024	Mar	08	(Fri)	05:47	06:35	95	12:31	66S	18:28	265	19:16
2024	Mar	09	(Sat)	05:47	06:34	94	12:31	67S	18:29	266	19:16
2024	Mar	10	(Sun)	05:46	06:33	94	12:31	67S	18:29	266	19:16
2024	Mar	11	(Mon)	05:45	06:32	94	12:31	67S	18:29	267	19:17
2024	Mar	12	(Tue)	05:44	06:32	93	12:30	68S	18:30	267	19:17
2024	Mar	13	(Wed)	05:43	06:31	93	12:30	68S	18:30	268	19:17
2024	Mar	14	(Thu)	05:42	06:30	92	12:30	69S	18:30	268	19:18
2024	Mar	15	(Fri)	05:42	06:29	92	12:30	69S	18:30	268	19:18
2024	Mar	16	(Sat)	05:41	06:28	91	12:29	69S	18:31	269	19:18
2024	Mar	17	(Sun)	05:40	06:27	91	12:29	70S	18:31	269	19:19
2024	Mar	18	(Mon)	05:39	06:27	91	12:29	70S	18:31	270	19:19
2024	Mar	19	(Tue)	05:38	06:26	90	12:28	70S	18:32	270	19:19
2024	Mar	20	(Wed)	05:37	06:25	90	12:28	71S	18:32	270	19:19
2024	Mar	21	(Thu)	05:36	06:24	89	12:28	71S	18:32	271	19:20
2024	Mar	22	(Fri)	05:36	06:23	89	12:28	72S	18:32	271	19:20
2024	Mar	23	(Sat)	05:35	06:22	89	12:27	72S	18:33	272	19:20
2024	Mar	24	(Sun)	05:34	06:21	88	12:27	72S	18:33	272	19:21
2024	Mar	25	(Mon)	05:33	06:20	88	12:27	73S	18:33	273	19:21
2024	Mar	26	(Tue)	05:32	06:20	87	12:26	73S	18:33	273	19:21
2024	Mar	27	(Wed)	05:31	06:19	87	12:26	74S	18:34	273	19:21
2024	Mar	28	(Thu)	05:30	06:18	86	12:26	74S	18:34	274	19:22
2024	Mar	29	(Fri)	05:29	06:17	86	12:25	74S	18:34	274	19:22
2024	Mar	30	(Sat)	05:28	06:16	86	12:25	75S	18:35	275	19:22
2024	Mar	31	(Sun)	05:27	06:15	85	12:25	75S	18:35	275	19:23
2024	Apr	01	(Mon)	05:27	06:14	85	12:25	76S	18:35	275	19:23
2024	Apr	02	(Tue)	05:26	06:14	84	12:24	76S	18:35	276	19:23
2024	Apr	03	(Wed)	05:25	06:13	84	12:24	76S	18:36	276	19:24
2024	Apr	04	(Thu)	05:24	06:12	84	12:24	77S	18:36	277	19:24
2024	Apr	05	(Fri)	05:23	06:11	83	12:23	77S	18:36	277	19:24
2024	Apr	06	(Sat)	05:22	06:10	83	12:23	77S	18:36	277	19:25
2024	Apr	07	(Sun)	05:21	06:09	82	12:23	78S	18:37	278	19:25
2024	Apr	08	(Mon)	05:20	06:08	82	12:23	78S	18:37	278	19:25
2024	Apr	09	(Tue)	05:19	06:08	82	12:22	79S	18:37	279	19:26
2024	Apr	10	(Wed)	05:18	06:07	81	12:22	79S	18:38	279	19:26
2024	Apr	11	(Thu)	05:18	06:06	81	12:22	79S	18:38	279	19:26
2024	Apr	12	(Fri)	05:17	06:05	80	12:22	80S	18:38	280	19:27
2024	Apr	13	(Sat)	05:16	06:04	80	12:21	80S	18:38	280	19:27
2024	Apr	14	(Sun)	05:15	06:04	80	12:21	80S	18:39	281	19:27
2024	Apr	15	(Mon)	05:14	06:03	79	12:21	81S	18:39	281	19:28
2024	Apr	16	(Tue)	05:13	06:02	79	12:21	81S	18:39	281	19:28
2024	Apr	17	(Wed)	05:12	06:01	78	12:20	82S	18:40	282	19:29
2024	Apr	18	(Thu)	05:12	06:01	78	12:20	82S	18:40	282	19:29
2024	Apr	19	(Fri)	05:11	06:00	78	12:20	82S	18:40	282	19:29
2024	Apr	20	(Sat)	05:10	05:59	77	12:20	83S	18:40	283	19:30
2024	Apr	21	(Sun)	05:09	05:58	77	12:19	83S	18:41	283	19:30
2024	Apr	22	(Mon)	05:08	05:58	77	12:19	83S	18:41	284	19:31
2024	Apr	23	(Tue)	05:08	05:57	76	12:19	84S	18:41	284	19:31
2024	Apr	24	(Wed)	05:07	05:56	76	12:19	84S	18:42	284	19:31
2024	Apr	25	(Thu)	05:06	05:56	76	12:19	84S	18:42	285	19:32
2024	Apr	26	(Fri)	05:05	05:55	75	12:19	85S	18:42	285	19:32
2024	Apr	27	(Sat)	05:04	05:54	75	12:18	85S	18:43	285	19:33
2024	Apr	28	(Sun)	05:04	05:54	75	12:18	85S	18:43	286	19:33
2024	Apr	29	(Mon)	05:03	05:53	74	12:18	85S	18:43	286	19:34
2024	Apr	30	(Tue)	05:02	05:52	74	12:18	86S	18:44	286	19:34
2024	May	01	(Wed)	05:02	05:52	74	12:18	86S	18:44	287	19:34
2024	May	02	(Thu)	05:01	05:51	73	12:18	86S	18:45	287	19:35
2024	May	03	(Fri)	05:00	05:51	73	12:18	87S	18:45	287	19:35
2024	May	04	(Sat)	05:00	05:50	73	12:18	87S	18:45	288	19:36
2024	May	05	(Sun)	04:59	05:50	72	12:17	87S	18:46	288	19:36
2024	May	06	(Mon)	04:58	05:49	72	12:17	88S	18:46	288	19:37
2024	May	07	(Tue)	04:58	05:48	72	12:17	88S	18:46	288	19:37
2024	May	08	(Wed)	04:57	05:48	71	12:17	88S	18:47	289	19:38
2024	May	09	(Thu)	04:57	05:48	71	12:17	88S	18:47	289	19:38
2024	May	10	(Fri)	04:56	05:47	71	12:17	89S	18:48	289	19:39
2024	May	11	(Sat)	04:55	05:47	71	12:17	89S	18:48	290	19:39

2024	May	12	(Sun)	04:55	05:46	70	12:17	89S	18:48	290	19:40
2024	May	13	(Mon)	04:54	05:46	70	12:17	89S	18:49	290	19:40
2024	May	14	(Tue)	04:54	05:45	70	12:17	90S	18:49	290	19:41
2024	May	15	(Wed)	04:53	05:45	70	12:17	90S	18:50	291	19:41
2024	May	16	(Thu)	04:53	05:45	69	12:17	90S	18:50	291	19:42
2024	May	17	(Fri)	04:52	05:44	69	12:17	90S	18:50	291	19:42
2024	May	18	(Sat)	04:52	05:44	69	12:17	91S	18:51	291	19:43
2024	May	19	(Sun)	04:52	05:44	69	12:17	91N	18:51	292	19:43
2024	May	20	(Mon)	04:51	05:43	68	12:17	90N	18:52	292	19:44
2024	May	21	(Tue)	04:51	05:43	68	12:17	90N	18:52	292	19:44
2024	May	22	(Wed)	04:51	05:43	68	12:17	90N	18:52	292	19:45
2024	May	23	(Thu)	04:50	05:43	68	12:18	90N	18:53	292	19:45
2024	May	24	(Fri)	04:50	05:42	67	12:18	90N	18:53	293	19:46
2024	May	25	(Sat)	04:50	05:42	67	12:18	90N	18:54	293	19:46
2024	May	26	(Sun)	04:49	05:42	67	12:18	89N	18:54	293	19:47
2024	May	27	(Mon)	04:49	05:42	67	12:18	89N	18:54	293	19:47
2024	May	28	(Tue)	04:49	05:42	67	12:18	89N	18:55	293	19:48
2024	May	29	(Wed)	04:49	05:41	67	12:18	89N	18:55	294	19:48
2024	May	30	(Thu)	04:48	05:41	66	12:18	89N	18:56	294	19:49
2024	May	31	(Fri)	04:48	05:41	66	12:19	89N	18:56	294	19:49
2024	Jun	01	(Sat)	04:48	05:41	66	12:19	88N	18:56	294	19:49
2024	Jun	02	(Sun)	04:48	05:41	66	12:19	88N	18:57	294	19:50
2024	Jun	03	(Mon)	04:48	05:41	66	12:19	88N	18:57	294	19:50
2024	Jun	04	(Tue)	04:48	05:41	66	12:19	88N	18:58	294	19:51
2024	Jun	05	(Wed)	04:48	05:41	66	12:19	88N	18:58	294	19:51
2024	Jun	06	(Thu)	04:48	05:41	65	12:20	88N	18:58	295	19:52
2024	Jun	07	(Fri)	04:48	05:41	65	12:20	88N	18:59	295	19:52
2024	Jun	08	(Sat)	04:48	05:41	65	12:20	88N	18:59	295	19:52
2024	Jun	09	(Sun)	04:48	05:41	65	12:20	88N	18:59	295	19:53
2024	Jun	10	(Mon)	04:48	05:41	65	12:20	88N	19:00	295	19:53
2024	Jun	11	(Tue)	04:48	05:41	65	12:21	87N	19:00	295	19:54
2024	Jun	12	(Wed)	04:48	05:41	65	12:21	87N	19:00	295	19:54
2024	Jun	13	(Thu)	04:48	05:41	65	12:21	87N	19:01	295	19:54
2024	Jun	14	(Fri)	04:48	05:41	65	12:21	87N	19:01	295	19:55
2024	Jun	15	(Sat)	04:48	05:42	65	12:21	87N	19:01	295	19:55
2024	Jun	16	(Sun)	04:48	05:42	65	12:22	87N	19:01	295	19:55
2024	Jun	17	(Mon)	04:48	05:42	65	12:22	87N	19:02	295	19:55
2024	Jun	18	(Tue)	04:48	05:42	65	12:22	87N	19:02	295	19:56
2024	Jun	19	(Wed)	04:49	05:42	65	12:22	87N	19:02	295	19:56
2024	Jun	20	(Thu)	04:49	05:42	65	12:22	87N	19:02	295	19:56
2024	Jun	21	(Fri)	04:49	05:43	65	12:23	87N	19:03	295	19:56
2024	Jun	22	(Sat)	04:49	05:43	65	12:23	87N	19:03	295	19:57
2024	Jun	23	(Sun)	04:49	05:43	65	12:23	87N	19:03	295	19:57
2024	Jun	24	(Mon)	04:50	05:43	65	12:23	87N	19:03	295	19:57
2024	Jun	25	(Tue)	04:50	05:44	65	12:24	87N	19:03	295	19:57
2024	Jun	26	(Wed)	04:50	05:44	65	12:24	87N	19:03	295	19:57
2024	Jun	27	(Thu)	04:50	05:44	65	12:24	87N	19:04	295	19:57
2024	Jun	28	(Fri)	04:51	05:44	65	12:24	87N	19:04	295	19:57
2024	Jun	29	(Sat)	04:51	05:45	65	12:24	87N	19:04	295	19:57
2024	Jun	30	(Sun)	04:51	05:45	65	12:25	87N	19:04	295	19:58
2024	Jul	01	(Mon)	04:52	05:45	65	12:25	87N	19:04	295	19:58
2024	Jul	02	(Tue)	04:52	05:46	65	12:25	88N	19:04	295	19:58
2024	Jul	03	(Wed)	04:53	05:46	65	12:25	88N	19:04	295	19:58
2024	Jul	04	(Thu)	04:53	05:46	65	12:25	88N	19:04	295	19:58
2024	Jul	05	(Fri)	04:53	05:47	65	12:25	88N	19:04	295	19:57
2024	Jul	06	(Sat)	04:54	05:47	65	12:26	88N	19:04	294	19:57
2024	Jul	07	(Sun)	04:54	05:47	66	12:26	88N	19:04	294	19:57
2024	Jul	08	(Mon)	04:55	05:48	66	12:26	88N	19:04	294	19:57
2024	Jul	09	(Tue)	04:55	05:48	66	12:26	88N	19:04	294	19:57
2024	Jul	10	(Wed)	04:55	05:48	66	12:26	88N	19:04	294	19:57
2024	Jul	11	(Thu)	04:56	05:49	66	12:26	89N	19:04	294	19:57
2024	Jul	12	(Fri)	04:56	05:49	66	12:26	89N	19:04	294	19:57
2024	Jul	13	(Sat)	04:57	05:50	66	12:27	89N	19:04	293	19:56
2024	Jul	14	(Sun)	04:57	05:50	67	12:27	89N	19:03	293	19:56
2024	Jul	15	(Mon)	04:58	05:50	67	12:27	89N	19:03	293	19:56
2024	Jul	16	(Tue)	04:58	05:51	67	12:27	89N	19:03	293	19:56
2024	Jul	17	(Wed)	04:58	05:51	67	12:27	89N	19:03	293	19:55
2024	Jul	18	(Thu)	04:59	05:51	67	12:27	90N	19:03	293	19:55
2024	Jul	19	(Fri)	04:59	05:52	67	12:27	90N	19:02	292	19:55
2024	Jul	20	(Sat)	05:00	05:52	68	12:27	90N	19:02	292	19:54
2024	Jul	21	(Sun)	05:00	05:53	68	12:27	90N	19:02	292	19:54
2024	Jul	22	(Mon)	05:01	05:53	68	12:27	90N	19:01	292	19:54

2024	Jul	23	(Tue)	05:01	05:53	68	12:27	91N	19:01	292	19:53
2024	Jul	24	(Wed)	05:02	05:54	69	12:27	91S	19:01	291	19:53
2024	Jul	25	(Thu)	05:02	05:54	69	12:27	90S	19:00	291	19:52
2024	Jul	26	(Fri)	05:03	05:54	69	12:27	90S	19:00	291	19:52
2024	Jul	27	(Sat)	05:03	05:55	69	12:27	90S	19:00	291	19:51
2024	Jul	28	(Sun)	05:04	05:55	70	12:27	90S	18:59	290	19:51
2024	Jul	29	(Mon)	05:04	05:55	70	12:27	89S	18:59	290	19:50
2024	Jul	30	(Tue)	05:04	05:56	70	12:27	89S	18:58	290	19:50
2024	Jul	31	(Wed)	05:05	05:56	70	12:27	89S	18:58	290	19:49
2024	Aug	01	(Thu)	05:05	05:57	71	12:27	89S	18:57	289	19:49
2024	Aug	02	(Fri)	05:06	05:57	71	12:27	88S	18:57	289	19:48
2024	Aug	03	(Sat)	05:06	05:57	71	12:27	88S	18:56	289	19:47
2024	Aug	04	(Sun)	05:07	05:58	71	12:27	88S	18:56	288	19:47
2024	Aug	05	(Mon)	05:07	05:58	72	12:27	88S	18:55	288	19:46
2024	Aug	06	(Tue)	05:08	05:58	72	12:27	87S	18:55	288	19:45
2024	Aug	07	(Wed)	05:08	05:59	72	12:27	87S	18:54	288	19:45
2024	Aug	08	(Thu)	05:08	05:59	73	12:26	87S	18:54	287	19:44
2024	Aug	09	(Fri)	05:09	05:59	73	12:26	87S	18:53	287	19:43
2024	Aug	10	(Sat)	05:09	06:00	73	12:26	86S	18:52	287	19:43
2024	Aug	11	(Sun)	05:10	06:00	74	12:26	86S	18:52	286	19:42
2024	Aug	12	(Mon)	05:10	06:00	74	12:26	86S	18:51	286	19:41
2024	Aug	13	(Tue)	05:10	06:00	74	12:26	85S	18:51	286	19:40
2024	Aug	14	(Wed)	05:11	06:01	74	12:25	85S	18:50	285	19:40
2024	Aug	15	(Thu)	05:11	06:01	75	12:25	85S	18:49	285	19:39
2024	Aug	16	(Fri)	05:12	06:01	75	12:25	84S	18:48	285	19:38
2024	Aug	17	(Sat)	05:12	06:02	75	12:25	84S	18:48	284	19:37
2024	Aug	18	(Sun)	05:12	06:02	76	12:25	84S	18:47	284	19:37
2024	Aug	19	(Mon)	05:13	06:02	76	12:24	83S	18:46	284	19:36
2024	Aug	20	(Tue)	05:13	06:02	77	12:24	83S	18:46	283	19:35
2024	Aug	21	(Wed)	05:13	06:03	77	12:24	83S	18:45	283	19:34
2024	Aug	22	(Thu)	05:14	06:03	77	12:24	82S	18:44	283	19:33
2024	Aug	23	(Fri)	05:14	06:03	78	12:23	82S	18:43	282	19:32
2024	Aug	24	(Sat)	05:14	06:03	78	12:23	82S	18:42	282	19:31
2024	Aug	25	(Sun)	05:15	06:04	78	12:23	81S	18:42	281	19:31
2024	Aug	26	(Mon)	05:15	06:04	79	12:23	81S	18:41	281	19:30
2024	Aug	27	(Tue)	05:15	06:04	79	12:22	81S	18:40	281	19:29
2024	Aug	28	(Wed)	05:16	06:04	79	12:22	80S	18:39	280	19:28
2024	Aug	29	(Thu)	05:16	06:05	80	12:22	80S	18:38	280	19:27
2024	Aug	30	(Fri)	05:16	06:05	80	12:21	80S	18:38	280	19:26
2024	Aug	31	(Sat)	05:17	06:05	81	12:21	79S	18:37	279	19:25
2024	Sep	01	(Sun)	05:17	06:05	81	12:21	79S	18:36	279	19:24
2024	Sep	02	(Mon)	05:17	06:06	81	12:20	79S	18:35	278	19:23
2024	Sep	03	(Tue)	05:17	06:06	82	12:20	78S	18:34	278	19:22
2024	Sep	04	(Wed)	05:18	06:06	82	12:20	78S	18:33	278	19:21
2024	Sep	05	(Thu)	05:18	06:06	83	12:19	77S	18:32	277	19:20
2024	Sep	06	(Fri)	05:18	06:06	83	12:19	77S	18:31	277	19:20
2024	Sep	07	(Sat)	05:19	06:07	83	12:19	77S	18:31	276	19:19
2024	Sep	08	(Sun)	05:19	06:07	84	12:18	76S	18:30	276	19:18
2024	Sep	09	(Mon)	05:19	06:07	84	12:18	76S	18:29	276	19:17
2024	Sep	10	(Tue)	05:19	06:07	85	12:18	76S	18:28	275	19:16
2024	Sep	11	(Wed)	05:20	06:07	85	12:17	75S	18:27	275	19:15
2024	Sep	12	(Thu)	05:20	06:08	85	12:17	75S	18:26	274	19:14
2024	Sep	13	(Fri)	05:20	06:08	86	12:17	74S	18:25	274	19:13
2024	Sep	14	(Sat)	05:20	06:08	86	12:16	74S	18:24	274	19:12
2024	Sep	15	(Sun)	05:21	06:08	87	12:16	74S	18:23	273	19:11
2024	Sep	16	(Mon)	05:21	06:08	87	12:16	73S	18:22	273	19:10
2024	Sep	17	(Tue)	05:21	06:09	87	12:15	73S	18:21	272	19:09
2024	Sep	18	(Wed)	05:21	06:09	88	12:15	73S	18:21	272	19:08
2024	Sep	19	(Thu)	05:21	06:09	88	12:14	72S	18:20	272	19:07
2024	Sep	20	(Fri)	05:22	06:09	89	12:14	72S	18:19	271	19:06
2024	Sep	21	(Sat)	05:22	06:09	89	12:14	71S	18:18	271	19:05
2024	Sep	22	(Sun)	05:22	06:10	89	12:13	71S	18:17	270	19:04
2024	Sep	23	(Mon)	05:22	06:10	90	12:13	71S	18:16	270	19:03
2024	Sep	24	(Tue)	05:23	06:10	90	12:13	70S	18:15	269	19:03
2024	Sep	25	(Wed)	05:23	06:10	91	12:12	70S	18:14	269	19:02
2024	Sep	26	(Thu)	05:23	06:11	91	12:12	69S	18:13	269	19:01
2024	Sep	27	(Fri)	05:23	06:11	92	12:12	69S	18:12	268	19:00
2024	Sep	28	(Sat)	05:23	06:11	92	12:11	69S	18:11	268	18:59
2024	Sep	29	(Sun)	05:24	06:11	92	12:11	68S	18:11	267	18:58
2024	Sep	30	(Mon)	05:24	06:11	93	12:11	68S	18:10	267	18:57
2024	Oct	01	(Tue)	05:24	06:12	93	12:10	67S	18:09	267	18:56
2024	Oct	02	(Wed)	05:24	06:12	94	12:10	67S	18:08	266	18:55

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

2024	Dec	14	(Sat)	05:56	06:47	114	12:16	48S	17:44	246	18:35
2024	Dec	15	(Sun)	05:56	06:48	115	12:16	48S	17:44	245	18:36
2024	Dec	16	(Mon)	05:57	06:48	115	12:16	48S	17:45	245	18:36
2024	Dec	17	(Tue)	05:57	06:49	115	12:17	47S	17:45	245	18:37
2024	Dec	18	(Wed)	05:58	06:49	115	12:17	47S	17:46	245	18:37
2024	Dec	19	(Thu)	05:58	06:50	115	12:18	47S	17:46	245	18:37
2024	Dec	20	(Fri)	05:59	06:50	115	12:18	47S	17:46	245	18:38
2024	Dec	21	(Sat)	05:59	06:51	115	12:19	47S	17:47	245	18:38
2024	Dec	22	(Sun)	06:00	06:51	115	12:19	47S	17:47	245	18:39
2024	Dec	23	(Mon)	06:00	06:52	115	12:20	47S	17:48	245	18:39
2024	Dec	24	(Tue)	06:01	06:52	115	12:20	47S	17:49	245	18:40
2024	Dec	25	(Wed)	06:01	06:53	115	12:21	47S	17:49	245	18:41
2024	Dec	26	(Thu)	06:02	06:53	115	12:21	48S	17:50	245	18:41
2024	Dec	27	(Fri)	06:02	06:54	115	12:22	48S	17:50	245	18:42
2024	Dec	28	(Sat)	06:03	06:54	115	12:22	48S	17:51	246	18:42
2024	Dec	29	(Sun)	06:03	06:55	114	12:23	48S	17:51	246	18:43
2024	Dec	30	(Mon)	06:04	06:55	114	12:23	48S	17:52	246	18:43
2024	Dec	31	(Tue)	06:04	06:55	114	12:24	48S	17:53	246	18:44

Sun

Chiangrai

Location: E 99°48'18.0", N19°51'18.0", 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)	06:31	06:55	114	12:24	48S	17:53	246	18:17
2024	Jan	02	(Tue)	06:32	06:56	114	12:24	48S	17:53	246	18:17
2024	Jan	03	(Wed)	06:32	06:56	114	12:25	48S	17:54	246	18:18
2024	Jan	04	(Thu)	06:32	06:56	114	12:25	48S	17:55	246	18:18
2024	Jan	05	(Fri)	06:33	06:57	114	12:26	48S	17:55	246	18:19
2024	Jan	06	(Sat)	06:33	06:57	114	12:26	48S	17:56	246	18:20
2024	Jan	07	(Sun)	06:33	06:57	114	12:27	48S	17:56	246	18:20
2024	Jan	08	(Mon)	06:34	06:57	114	12:27	49S	17:57	247	18:21
2024	Jan	09	(Tue)	06:34	06:58	113	12:28	49S	17:58	247	18:21
2024	Jan	10	(Wed)	06:34	06:58	113	12:28	49S	17:58	247	18:22
2024	Jan	11	(Thu)	06:34	06:58	113	12:28	49S	17:59	247	18:23
2024	Jan	12	(Fri)	06:34	06:58	113	12:29	49S	18:00	247	18:23
2024	Jan	13	(Sat)	06:34	06:58	113	12:29	49S	18:00	247	18:24
2024	Jan	14	(Sun)	06:35	06:58	113	12:30	49S	18:01	248	18:25
2024	Jan	15	(Mon)	06:35	06:58	112	12:30	50S	18:02	248	18:25
2024	Jan	16	(Tue)	06:35	06:58	112	12:30	50S	18:02	248	18:26
2024	Jan	17	(Wed)	06:35	06:58	112	12:31	50S	18:03	248	18:27
2024	Jan	18	(Thu)	06:35	06:58	112	12:31	50S	18:04	248	18:27
2024	Jan	19	(Fri)	06:35	06:58	112	12:31	50S	18:04	249	18:28
2024	Jan	20	(Sat)	06:35	06:58	111	12:32	51S	18:05	249	18:28
2024	Jan	21	(Sun)	06:35	06:58	111	12:32	51S	18:06	249	18:29
2024	Jan	22	(Mon)	06:35	06:58	111	12:32	51S	18:06	249	18:30
2024	Jan	23	(Tue)	06:35	06:58	111	12:32	51S	18:07	250	18:30
2024	Jan	24	(Wed)	06:35	06:58	110	12:33	52S	18:07	250	18:31
2024	Jan	25	(Thu)	06:35	06:58	110	12:33	52S	18:08	250	18:31
2024	Jan	26	(Fri)	06:35	06:58	110	12:33	52S	18:09	250	18:32
2024	Jan	27	(Sat)	06:34	06:58	110	12:33	52S	18:09	251	18:33
2024	Jan	28	(Sun)	06:34	06:57	109	12:34	53S	18:10	251	18:33
2024	Jan	29	(Mon)	06:34	06:57	109	12:34	53S	18:11	251	18:34
2024	Jan	30	(Tue)	06:34	06:57	109	12:34	53S	18:11	251	18:34
2024	Jan	31	(Wed)	06:34	06:57	108	12:34	53S	18:12	252	18:35
2024	Feb	01	(Thu)	06:33	06:56	108	12:34	54S	18:12	252	18:35
2024	Feb	02	(Fri)	06:33	06:56	108	12:34	54S	18:13	252	18:36
2024	Feb	03	(Sat)	06:33	06:56	108	12:34	54S	18:14	253	18:36
2024	Feb	04	(Sun)	06:32	06:55	107	12:35	54S	18:14	253	18:37
2024	Feb	05	(Mon)	06:32	06:55	107	12:35	55S	18:15	253	18:37
2024	Feb	06	(Tue)	06:32	06:55	107	12:35	55S	18:15	254	18:38
2024	Feb	07	(Wed)	06:31	06:54	106	12:35	55S	18:16	254	18:38
2024	Feb	08	(Thu)	06:31	06:54	106	12:35	56S	18:16	254	18:39
2024	Feb	09	(Fri)	06:31	06:53	106	12:35	56S	18:17	255	18:39
2024	Feb	10	(Sat)	06:30	06:53	105	12:35	56S	18:17	255	18:40

2024	Feb	11	(Sun)	06:30	06:52	105	12:35	57S	18:18	255	18:40
2024	Feb	12	(Mon)	06:29	06:52	105	12:35	57S	18:18	256	18:41
2024	Feb	13	(Tue)	06:29	06:51	104	12:35	57S	18:19	256	18:41
2024	Feb	14	(Wed)	06:28	06:51	104	12:35	58S	18:19	256	18:42
2024	Feb	15	(Thu)	06:28	06:50	103	12:35	58S	18:20	257	18:42
2024	Feb	16	(Fri)	06:27	06:50	103	12:35	58S	18:20	257	18:43
2024	Feb	17	(Sat)	06:27	06:49	103	12:35	59S	18:21	257	18:43
2024	Feb	18	(Sun)	06:26	06:49	102	12:35	59S	18:21	258	18:44
2024	Feb	19	(Mon)	06:26	06:48	102	12:35	59S	18:22	258	18:44
2024	Feb	20	(Tue)	06:25	06:47	102	12:35	60S	18:22	259	18:44
2024	Feb	21	(Wed)	06:24	06:47	101	12:34	60S	18:22	259	18:45
2024	Feb	22	(Thu)	06:24	06:46	101	12:34	60S	18:23	259	18:45
2024	Feb	23	(Fri)	06:23	06:45	100	12:34	61S	18:23	260	18:46
2024	Feb	24	(Sat)	06:22	06:45	100	12:34	61S	18:24	260	18:46
2024	Feb	25	(Sun)	06:22	06:44	100	12:34	62S	18:24	261	18:46
2024	Feb	26	(Mon)	06:21	06:43	99	12:34	62S	18:24	261	18:47
2024	Feb	27	(Tue)	06:20	06:43	99	12:34	62S	18:25	261	18:47
2024	Feb	28	(Wed)	06:20	06:42	98	12:33	63S	18:25	262	18:47
2024	Feb	29	(Thu)	06:19	06:41	98	12:33	63S	18:26	262	18:48
2024	Mar	01	(Fri)	06:18	06:40	98	12:33	63S	18:26	263	18:48
2024	Mar	02	(Sat)	06:18	06:40	97	12:33	64S	18:26	263	18:48
2024	Mar	03	(Sun)	06:17	06:39	97	12:33	64S	18:27	263	18:49
2024	Mar	04	(Mon)	06:16	06:38	96	12:32	65S	18:27	264	18:49
2024	Mar	05	(Tue)	06:15	06:37	96	12:32	65S	18:27	264	18:49
2024	Mar	06	(Wed)	06:14	06:37	96	12:32	65S	18:28	265	18:50
2024	Mar	07	(Thu)	06:14	06:36	95	12:32	66S	18:28	265	18:50
2024	Mar	08	(Fri)	06:13	06:35	95	12:31	66S	18:28	265	18:50
2024	Mar	09	(Sat)	06:12	06:34	94	12:31	67S	18:29	266	18:51
2024	Mar	10	(Sun)	06:11	06:33	94	12:31	67S	18:29	266	18:51
2024	Mar	11	(Mon)	06:10	06:32	94	12:31	67S	18:29	267	18:51
2024	Mar	12	(Tue)	06:10	06:32	93	12:30	68S	18:30	267	18:52
2024	Mar	13	(Wed)	06:09	06:31	93	12:30	68S	18:30	268	18:52
2024	Mar	14	(Thu)	06:08	06:30	92	12:30	69S	18:30	268	18:52
2024	Mar	15	(Fri)	06:07	06:29	92	12:30	69S	18:30	268	18:52
2024	Mar	16	(Sat)	06:06	06:28	91	12:29	69S	18:31	269	18:53
2024	Mar	17	(Sun)	06:05	06:27	91	12:29	70S	18:31	269	18:53
2024	Mar	18	(Mon)	06:05	06:27	91	12:29	70S	18:31	270	18:53
2024	Mar	19	(Tue)	06:04	06:26	90	12:28	70S	18:32	270	18:54
2024	Mar	20	(Wed)	06:03	06:25	90	12:28	71S	18:32	270	18:54
2024	Mar	21	(Thu)	06:02	06:24	89	12:28	71S	18:32	271	18:54
2024	Mar	22	(Fri)	06:01	06:23	89	12:28	72S	18:32	271	18:54
2024	Mar	23	(Sat)	06:00	06:22	89	12:27	72S	18:33	272	18:55
2024	Mar	24	(Sun)	05:59	06:21	88	12:27	72S	18:33	272	18:55
2024	Mar	25	(Mon)	05:58	06:20	88	12:27	73S	18:33	273	18:55
2024	Mar	26	(Tue)	05:58	06:20	87	12:26	73S	18:33	273	18:55
2024	Mar	27	(Wed)	05:57	06:19	87	12:26	74S	18:34	273	18:56
2024	Mar	28	(Thu)	05:56	06:18	86	12:26	74S	18:34	274	18:56
2024	Mar	29	(Fri)	05:55	06:17	86	12:25	74S	18:34	274	18:56
2024	Mar	30	(Sat)	05:54	06:16	86	12:25	75S	18:35	275	18:57
2024	Mar	31	(Sun)	05:53	06:15	85	12:25	75S	18:35	275	18:57
2024	Apr	01	(Mon)	05:52	06:14	85	12:25	76S	18:35	275	18:57
2024	Apr	02	(Tue)	05:51	06:14	84	12:24	76S	18:35	276	18:57
2024	Apr	03	(Wed)	05:51	06:13	84	12:24	76S	18:36	276	18:58
2024	Apr	04	(Thu)	05:50	06:12	84	12:24	77S	18:36	277	18:58
2024	Apr	05	(Fri)	05:49	06:11	83	12:23	77S	18:36	277	18:58
2024	Apr	06	(Sat)	05:48	06:10	83	12:23	77S	18:36	277	18:59
2024	Apr	07	(Sun)	05:47	06:09	82	12:23	78S	18:37	278	18:59
2024	Apr	08	(Mon)	05:46	06:08	82	12:23	78S	18:37	278	18:59
2024	Apr	09	(Tue)	05:45	06:08	82	12:22	79S	18:37	279	19:00
2024	Apr	10	(Wed)	05:45	06:07	81	12:22	79S	18:38	279	19:00
2024	Apr	11	(Thu)	05:44	06:06	81	12:22	79S	18:38	279	19:00
2024	Apr	12	(Fri)	05:43	06:05	80	12:22	80S	18:38	280	19:00
2024	Apr	13	(Sat)	05:42	06:04	80	12:21	80S	18:38	280	19:01
2024	Apr	14	(Sun)	05:41	06:04	80	12:21	80S	18:39	281	19:01
2024	Apr	15	(Mon)	05:40	06:03	79	12:21	81S	18:39	281	19:01
2024	Apr	16	(Tue)	05:40	06:02	79	12:21	81S	18:39	281	19:02
2024	Apr	17	(Wed)	05:39	06:01	78	12:20	82S	18:40	282	19:02
2024	Apr	18	(Thu)	05:38	06:01	78	12:20	82S	18:40	282	19:02
2024	Apr	19	(Fri)	05:37	06:00	78	12:20	82S	18:40	282	19:03
2024	Apr	20	(Sat)	05:36	05:59	77	12:20	83S	18:40	283	19:03
2024	Apr	21	(Sun)	05:36	05:58	77	12:19	83S	18:41	283	19:03
2024	Apr	22	(Mon)	05:35	05:58	77	12:19	83S	18:41	284	19:04

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

2024	Jul	04	(Thu)	05:22	05:46	65	12:25	88N	19:04	295	19:29
2024	Jul	05	(Fri)	05:22	05:47	65	12:25	88N	19:04	295	19:29
2024	Jul	06	(Sat)	05:23	05:47	65	12:26	88N	19:04	294	19:28
2024	Jul	07	(Sun)	05:23	05:47	66	12:26	88N	19:04	294	19:28
2024	Jul	08	(Mon)	05:23	05:48	66	12:26	88N	19:04	294	19:28
2024	Jul	09	(Tue)	05:24	05:48	66	12:26	88N	19:04	294	19:28
2024	Jul	10	(Wed)	05:24	05:48	66	12:26	88N	19:04	294	19:28
2024	Jul	11	(Thu)	05:25	05:49	66	12:26	89N	19:04	294	19:28
2024	Jul	12	(Fri)	05:25	05:49	66	12:26	89N	19:04	294	19:28
2024	Jul	13	(Sat)	05:25	05:50	66	12:27	89N	19:04	293	19:28
2024	Jul	14	(Sun)	05:26	05:50	67	12:27	89N	19:03	293	19:28
2024	Jul	15	(Mon)	05:26	05:50	67	12:27	89N	19:03	293	19:27
2024	Jul	16	(Tue)	05:27	05:51	67	12:27	89N	19:03	293	19:27
2024	Jul	17	(Wed)	05:27	05:51	67	12:27	89N	19:03	293	19:27
2024	Jul	18	(Thu)	05:27	05:51	67	12:27	90N	19:03	293	19:27
2024	Jul	19	(Fri)	05:28	05:52	67	12:27	90N	19:02	292	19:26
2024	Jul	20	(Sat)	05:28	05:52	68	12:27	90N	19:02	292	19:26
2024	Jul	21	(Sun)	05:29	05:53	68	12:27	90N	19:02	292	19:26
2024	Jul	22	(Mon)	05:29	05:53	68	12:27	90N	19:01	292	19:25
2024	Jul	23	(Tue)	05:29	05:53	68	12:27	91N	19:01	292	19:25
2024	Jul	24	(Wed)	05:30	05:54	69	12:27	91S	19:01	291	19:25
2024	Jul	25	(Thu)	05:30	05:54	69	12:27	90S	19:00	291	19:24
2024	Jul	26	(Fri)	05:31	05:54	69	12:27	90S	19:00	291	19:24
2024	Jul	27	(Sat)	05:31	05:55	69	12:27	90S	19:00	291	19:23
2024	Jul	28	(Sun)	05:31	05:55	70	12:27	90S	18:59	290	19:23
2024	Jul	29	(Mon)	05:32	05:55	70	12:27	89S	18:59	290	19:22
2024	Jul	30	(Tue)	05:32	05:56	70	12:27	89S	18:58	290	19:22
2024	Jul	31	(Wed)	05:33	05:56	70	12:27	89S	18:58	290	19:21
2024	Aug	01	(Thu)	05:33	05:57	71	12:27	89S	18:57	289	19:21
2024	Aug	02	(Fri)	05:33	05:57	71	12:27	88S	18:57	289	19:20
2024	Aug	03	(Sat)	05:34	05:57	71	12:27	88S	18:56	289	19:20
2024	Aug	04	(Sun)	05:34	05:58	71	12:27	88S	18:56	288	19:19
2024	Aug	05	(Mon)	05:35	05:58	72	12:27	88S	18:55	288	19:19
2024	Aug	06	(Tue)	05:35	05:58	72	12:27	87S	18:55	288	19:18
2024	Aug	07	(Wed)	05:35	05:59	72	12:27	87S	18:54	288	19:17
2024	Aug	08	(Thu)	05:36	05:59	73	12:26	87S	18:54	287	19:17
2024	Aug	09	(Fri)	05:36	05:59	73	12:26	87S	18:53	287	19:16
2024	Aug	10	(Sat)	05:36	06:00	73	12:26	86S	18:52	287	19:16
2024	Aug	11	(Sun)	05:37	06:00	74	12:26	86S	18:52	286	19:15
2024	Aug	12	(Mon)	05:37	06:00	74	12:26	86S	18:51	286	19:14
2024	Aug	13	(Tue)	05:37	06:00	74	12:26	85S	18:51	286	19:13
2024	Aug	14	(Wed)	05:38	06:01	74	12:25	85S	18:50	285	19:13
2024	Aug	15	(Thu)	05:38	06:01	75	12:25	85S	18:49	285	19:12
2024	Aug	16	(Fri)	05:38	06:01	75	12:25	84S	18:48	285	19:11
2024	Aug	17	(Sat)	05:39	06:02	75	12:25	84S	18:48	284	19:11
2024	Aug	18	(Sun)	05:39	06:02	76	12:25	84S	18:47	284	19:10
2024	Aug	19	(Mon)	05:39	06:02	76	12:24	83S	18:46	284	19:09
2024	Aug	20	(Tue)	05:40	06:02	77	12:24	83S	18:46	283	19:08
2024	Aug	21	(Wed)	05:40	06:03	77	12:24	83S	18:45	283	19:07
2024	Aug	22	(Thu)	05:40	06:03	77	12:24	82S	18:44	283	19:07
2024	Aug	23	(Fri)	05:41	06:03	78	12:23	82S	18:43	282	19:06
2024	Aug	24	(Sat)	05:41	06:03	78	12:23	82S	18:42	282	19:05
2024	Aug	25	(Sun)	05:41	06:04	78	12:23	81S	18:42	281	19:04
2024	Aug	26	(Mon)	05:41	06:04	79	12:23	81S	18:41	281	19:03
2024	Aug	27	(Tue)	05:42	06:04	79	12:22	81S	18:40	281	19:02
2024	Aug	28	(Wed)	05:42	06:04	79	12:22	80S	18:39	280	19:02
2024	Aug	29	(Thu)	05:42	06:05	80	12:22	80S	18:38	280	19:01
2024	Aug	30	(Fri)	05:42	06:05	80	12:21	80S	18:38	280	19:00
2024	Aug	31	(Sat)	05:43	06:05	81	12:21	79S	18:37	279	18:59
2024	Sep	01	(Sun)	05:43	06:05	81	12:21	79S	18:36	279	18:58
2024	Sep	02	(Mon)	05:43	06:06	81	12:20	79S	18:35	278	18:57
2024	Sep	03	(Tue)	05:43	06:06	82	12:20	78S	18:34	278	18:56
2024	Sep	04	(Wed)	05:44	06:06	82	12:20	78S	18:33	278	18:55
2024	Sep	05	(Thu)	05:44	06:06	83	12:19	77S	18:32	277	18:55
2024	Sep	06	(Fri)	05:44	06:06	83	12:19	77S	18:31	277	18:54
2024	Sep	07	(Sat)	05:44	06:07	83	12:19	77S	18:31	276	18:53
2024	Sep	08	(Sun)	05:45	06:07	84	12:18	76S	18:30	276	18:52
2024	Sep	09	(Mon)	05:45	06:07	84	12:18	76S	18:29	276	18:51
2024	Sep	10	(Tue)	05:45	06:07	85	12:18	76S	18:28	275	18:50
2024	Sep	11	(Wed)	05:45	06:07	85	12:17	75S	18:27	275	18:49
2024	Sep	12	(Thu)	05:46	06:08	85	12:17	75S	18:26	274	18:48
2024	Sep	13	(Fri)	05:46	06:08	86	12:17	74S	18:25	274	18:47

2024	Sep	14	(Sat)	05:46	06:08	86	12:16	74S	18:24	274	18:46
2024	Sep	15	(Sun)	05:46	06:08	87	12:16	74S	18:23	273	18:45
2024	Sep	16	(Mon)	05:46	06:08	87	12:16	73S	18:22	273	18:44
2024	Sep	17	(Tue)	05:47	06:09	87	12:15	73S	18:21	272	18:43
2024	Sep	18	(Wed)	05:47	06:09	88	12:15	73S	18:21	272	18:43
2024	Sep	19	(Thu)	05:47	06:09	88	12:14	72S	18:20	272	18:42
2024	Sep	20	(Fri)	05:47	06:09	89	12:14	72S	18:19	271	18:41
2024	Sep	21	(Sat)	05:47	06:09	89	12:14	71S	18:18	271	18:40
2024	Sep	22	(Sun)	05:48	06:10	89	12:13	71S	18:17	270	18:39
2024	Sep	23	(Mon)	05:48	06:10	90	12:13	71S	18:16	270	18:38
2024	Sep	24	(Tue)	05:48	06:10	90	12:13	70S	18:15	269	18:37
2024	Sep	25	(Wed)	05:48	06:10	91	12:12	70S	18:14	269	18:36
2024	Sep	26	(Thu)	05:49	06:11	91	12:12	69S	18:13	269	18:35
2024	Sep	27	(Fri)	05:49	06:11	92	12:12	69S	18:12	268	18:34
2024	Sep	28	(Sat)	05:49	06:11	92	12:11	69S	18:11	268	18:33
2024	Sep	29	(Sun)	05:49	06:11	92	12:11	68S	18:11	267	18:33
2024	Sep	30	(Mon)	05:49	06:11	93	12:11	68S	18:10	267	18:32
2024	Oct	01	(Tue)	05:50	06:12	93	12:10	67S	18:09	267	18:31
2024	Oct	02	(Wed)	05:50	06:12	94	12:10	67S	18:08	266	18:30
2024	Oct	03	(Thu)	05:50	06:12	94	12:10	67S	18:07	266	18:29
2024	Oct	04	(Fri)	05:50	06:12	94	12:09	66S	18:06	265	18:28
2024	Oct	05	(Sat)	05:51	06:13	95	12:09	66S	18:05	265	18:27
2024	Oct	06	(Sun)	05:51	06:13	95	12:09	66S	18:04	265	18:27
2024	Oct	07	(Mon)	05:51	06:13	96	12:09	65S	18:04	264	18:26
2024	Oct	08	(Tue)	05:51	06:13	96	12:08	65S	18:03	264	18:25
2024	Oct	09	(Wed)	05:52	06:14	96	12:08	64S	18:02	263	18:24
2024	Oct	10	(Thu)	05:52	06:14	97	12:08	64S	18:01	263	18:23
2024	Oct	11	(Fri)	05:52	06:14	97	12:07	64S	18:00	263	18:22
2024	Oct	12	(Sat)	05:52	06:15	98	12:07	63S	18:00	262	18:22
2024	Oct	13	(Sun)	05:53	06:15	98	12:07	63S	17:59	262	18:21
2024	Oct	14	(Mon)	05:53	06:15	98	12:07	63S	17:58	261	18:20
2024	Oct	15	(Tue)	05:53	06:16	99	12:07	62S	17:57	261	18:19
2024	Oct	16	(Wed)	05:54	06:16	99	12:06	62S	17:56	261	18:19
2024	Oct	17	(Thu)	05:54	06:16	100	12:06	61S	17:56	260	18:18
2024	Oct	18	(Fri)	05:54	06:17	100	12:06	61S	17:55	260	18:17
2024	Oct	19	(Sat)	05:55	06:17	100	12:06	61S	17:54	259	18:17
2024	Oct	20	(Sun)	05:55	06:17	101	12:06	60S	17:54	259	18:16
2024	Oct	21	(Mon)	05:55	06:18	101	12:05	60S	17:53	259	18:15
2024	Oct	22	(Tue)	05:56	06:18	102	12:05	60S	17:52	258	18:15
2024	Oct	23	(Wed)	05:56	06:18	102	12:05	59S	17:52	258	18:14
2024	Oct	24	(Thu)	05:56	06:19	102	12:05	59S	17:51	258	18:13
2024	Oct	25	(Fri)	05:57	06:19	103	12:05	59S	17:50	257	18:13
2024	Oct	26	(Sat)	05:57	06:20	103	12:05	58S	17:50	257	18:12
2024	Oct	27	(Sun)	05:57	06:20	103	12:05	58S	17:49	256	18:12
2024	Oct	28	(Mon)	05:58	06:20	104	12:05	58S	17:49	256	18:11
2024	Oct	29	(Tue)	05:58	06:21	104	12:04	57S	17:48	256	18:10
2024	Oct	30	(Wed)	05:59	06:21	104	12:04	57S	17:47	255	18:10
2024	Oct	31	(Thu)	05:59	06:22	105	12:04	57S	17:47	255	18:09
2024	Nov	01	(Fri)	05:59	06:22	105	12:04	56S	17:46	255	18:09
2024	Nov	02	(Sat)	06:00	06:23	105	12:04	56S	17:46	254	18:09
2024	Nov	03	(Sun)	06:00	06:23	106	12:04	56S	17:45	254	18:08
2024	Nov	04	(Mon)	06:01	06:24	106	12:04	55S	17:45	254	18:08
2024	Nov	05	(Tue)	06:01	06:24	106	12:04	55S	17:44	253	18:07
2024	Nov	06	(Wed)	06:02	06:25	107	12:04	55S	17:44	253	18:07
2024	Nov	07	(Thu)	06:02	06:25	107	12:04	54S	17:44	253	18:07
2024	Nov	08	(Fri)	06:03	06:26	107	12:05	54S	17:43	252	18:06
2024	Nov	09	(Sat)	06:03	06:26	108	12:05	54S	17:43	252	18:06
2024	Nov	10	(Sun)	06:04	06:27	108	12:05	54S	17:43	252	18:06
2024	Nov	11	(Mon)	06:04	06:27	108	12:05	53S	17:42	252	18:05
2024	Nov	12	(Tue)	06:05	06:28	109	12:05	53S	17:42	251	18:05
2024	Nov	13	(Wed)	06:05	06:28	109	12:05	53S	17:42	251	18:05
2024	Nov	14	(Thu)	06:06	06:29	109	12:05	53S	17:41	251	18:05
2024	Nov	15	(Fri)	06:06	06:29	109	12:05	52S	17:41	250	18:04
2024	Nov	16	(Sat)	06:07	06:30	110	12:06	52S	17:41	250	18:04
2024	Nov	17	(Sun)	06:07	06:31	110	12:06	52S	17:41	250	18:04
2024	Nov	18	(Mon)	06:08	06:31	110	12:06	52S	17:41	250	18:04
2024	Nov	19	(Tue)	06:08	06:32	110	12:06	51S	17:40	249	18:04
2024	Nov	20	(Wed)	06:09	06:32	111	12:06	51S	17:40	249	18:04
2024	Nov	21	(Thu)	06:10	06:33	111	12:07	51S	17:40	249	18:04
2024	Nov	22	(Fri)	06:10	06:34	111	12:07	51S	17:40	249	18:04
2024	Nov	23	(Sat)	06:11	06:34	111	12:07	50S	17:40	248	18:04
2024	Nov	24	(Sun)	06:11	06:35	112	12:08	50S	17:40	248	18:04

2024	Nov	25	(Mon)	06:12	06:35	112	12:08	50S	17:40	248	18:04
2024	Nov	26	(Tue)	06:13	06:36	112	12:08	50S	17:40	248	18:04
2024	Nov	27	(Wed)	06:13	06:37	112	12:08	50S	17:40	248	18:04
2024	Nov	28	(Thu)	06:14	06:37	112	12:09	49S	17:40	247	18:04
2024	Nov	29	(Fri)	06:14	06:38	113	12:09	49S	17:40	247	18:04
2024	Nov	30	(Sat)	06:15	06:39	113	12:09	49S	17:40	247	18:04
2024	Dec	01	(Sun)	06:16	06:39	113	12:10	49S	17:40	247	18:04
2024	Dec	02	(Mon)	06:16	06:40	113	12:10	49S	17:41	247	18:04
2024	Dec	03	(Tue)	06:17	06:40	113	12:11	49S	17:41	247	18:04
2024	Dec	04	(Wed)	06:17	06:41	113	12:11	49S	17:41	247	18:05
2024	Dec	05	(Thu)	06:18	06:42	114	12:11	48S	17:41	246	18:05
2024	Dec	06	(Fri)	06:19	06:42	114	12:12	48S	17:41	246	18:05
2024	Dec	07	(Sat)	06:19	06:43	114	12:12	48S	17:42	246	18:05
2024	Dec	08	(Sun)	06:20	06:44	114	12:13	48S	17:42	246	18:06
2024	Dec	09	(Mon)	06:20	06:44	114	12:13	48S	17:42	246	18:06
2024	Dec	10	(Tue)	06:21	06:45	114	12:14	48S	17:42	246	18:06
2024	Dec	11	(Wed)	06:21	06:45	114	12:14	48S	17:43	246	18:07
2024	Dec	12	(Thu)	06:22	06:46	114	12:15	48S	17:43	246	18:07
2024	Dec	13	(Fri)	06:23	06:47	114	12:15	48S	17:43	246	18:07
2024	Dec	14	(Sat)	06:23	06:47	114	12:16	48S	17:44	246	18:08
2024	Dec	15	(Sun)	06:24	06:48	115	12:16	48S	17:44	245	18:08
2024	Dec	16	(Mon)	06:24	06:48	115	12:16	48S	17:45	245	18:09
2024	Dec	17	(Tue)	06:25	06:49	115	12:17	47S	17:45	245	18:09
2024	Dec	18	(Wed)	06:25	06:49	115	12:17	47S	17:46	245	18:09
2024	Dec	19	(Thu)	06:26	06:50	115	12:18	47S	17:46	245	18:10
2024	Dec	20	(Fri)	06:26	06:50	115	12:18	47S	17:46	245	18:10
2024	Dec	21	(Sat)	06:27	06:51	115	12:19	47S	17:47	245	18:11
2024	Dec	22	(Sun)	06:27	06:51	115	12:19	47S	17:47	245	18:11
2024	Dec	23	(Mon)	06:28	06:52	115	12:20	47S	17:48	245	18:12
2024	Dec	24	(Tue)	06:28	06:52	115	12:20	47S	17:49	245	18:12
2024	Dec	25	(Wed)	06:29	06:53	115	12:21	47S	17:49	245	18:13
2024	Dec	26	(Thu)	06:29	06:53	115	12:21	48S	17:50	245	18:14
2024	Dec	27	(Fri)	06:30	06:54	115	12:22	48S	17:50	245	18:14
2024	Dec	28	(Sat)	06:30	06:54	115	12:22	48S	17:51	246	18:15
2024	Dec	29	(Sun)	06:31	06:55	114	12:23	48S	17:51	246	18:15
2024	Dec	30	(Mon)	06:31	06:55	114	12:23	48S	17:52	246	18:16
2024	Dec	31	(Tue)	06:31	06:55	114	12:24	48S	17:53	246	18:16

Moon

Chiangrai

Location: E 99°48'18.0", N19°51'18.0", 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)	22:29	80		04:12	84S		10:40	283	
2024 Jan 02 (Tue)	23:17	86		04:52	79S		11:11	277	
2024 Jan 03 (Wed)				05:31	73S		11:42	271	
2024 Jan 04 (Thu)	00:04	92		06:11	67S		12:13	265	
2024 Jan 05 (Fri)	00:53	98		06:51	61S		12:45	259	
2024 Jan 06 (Sat)	01:44	104		07:34	55S		13:20	253	
2024 Jan 07 (Sun)	02:38	110		08:21	50S		14:00	248	
2024 Jan 08 (Mon)	03:36	115		09:12	46S		14:46	243	
2024 Jan 09 (Tue)	04:38	118		10:09	43S		15:39	241	
2024 Jan 10 (Wed)	05:42	120		11:11	42S		16:40	240	
2024 Jan 11 (Thu)	06:45	120		12:15	43S		17:46	241	
2024 Jan 12 (Fri)	07:44	117		13:18	46S		18:54	245	
2024 Jan 13 (Sat)	08:37	112		14:17	50S		20:02	250	
2024 Jan 14 (Sun)	09:23	106		15:12	56S		21:06	257	
2024 Jan 15 (Mon)	10:05	99		16:04	63S		22:07	264	
2024 Jan 16 (Tue)	10:44	92		16:53	70S		23:07	272	
2024 Jan 17 (Wed)	11:22	85		17:41	77S				
2024 Jan 18 (Thu)	12:00	78		18:29	84S		00:05	279	
2024 Jan 19 (Fri)	12:39	72		19:18	90S		01:03	286	
2024 Jan 20 (Sat)	13:22	66		20:10	87N		02:01	291	
2024 Jan 21 (Sun)	14:09	63		21:03	84N		03:01	296	
2024 Jan 22 (Mon)	15:00	60		21:59	82N		04:00	299	
2024 Jan 23 (Tue)	15:54	60		22:54	82N		04:58	300	

2024	Jan	24	(Wed)	16:50	61	23:47	84N	05:52	300
2024	Jan	25	(Thu)	17:46	64			06:41	298
2024	Jan	26	(Fri)	18:41	68	00:38	87N	07:25	294
2024	Jan	27	(Sat)	19:33	73	01:25	91S	08:04	290
2024	Jan	28	(Sun)	20:23	78	02:08	86S	08:39	284
2024	Jan	29	(Mon)	21:11	84	02:49	80S	09:11	279
2024	Jan	30	(Tue)	21:59	90	03:29	75S	09:42	273
2024	Jan	31	(Wed)	22:46	96	04:08	69S	10:12	267
2024	Feb	01	(Thu)	23:35	102	04:47	63S	10:43	261
2024	Feb	02	(Fri)			05:28	57S	11:17	255
2024	Feb	03	(Sat)	00:27	108	06:12	52S	11:53	250
2024	Feb	04	(Sun)	01:22	113	07:00	48S	12:35	245
2024	Feb	05	(Mon)	02:21	117	07:53	44S	13:23	242
2024	Feb	06	(Tue)	03:22	120	08:51	42S	14:19	240
2024	Feb	07	(Wed)	04:25	120	09:53	42S	15:22	240
2024	Feb	08	(Thu)	05:25	119	10:56	44S	16:30	243
2024	Feb	09	(Fri)	06:21	115	11:58	48S	17:38	247
2024	Feb	10	(Sat)	07:12	110	12:57	53S	18:46	253
2024	Feb	11	(Sun)	07:57	103	13:51	60S	19:51	261
2024	Feb	12	(Mon)	08:38	95	14:43	67S	20:53	269
2024	Feb	13	(Tue)	09:18	87	15:33	75S	21:54	276
2024	Feb	14	(Wed)	09:57	80	16:23	82S	22:54	284
2024	Feb	15	(Thu)	10:37	73	17:13	88S	23:54	290
2024	Feb	16	(Fri)	11:20	68	18:05	88N		
2024	Feb	17	(Sat)	12:06	63	18:59	85N	00:55	295
2024	Feb	18	(Sun)	12:56	61	19:54	83N	01:55	298
2024	Feb	19	(Mon)	13:50	60	20:49	82N	02:54	300
2024	Feb	20	(Tue)	14:45	60	21:43	83N	03:49	300
2024	Feb	21	(Wed)	15:41	63	22:34	86N	04:39	299
2024	Feb	22	(Thu)	16:35	66	23:22	89N	05:24	295
2024	Feb	23	(Fri)	17:28	71			06:04	291
2024	Feb	24	(Sat)	18:18	76	00:06	87S	06:40	286
2024	Feb	25	(Sun)	19:07	82	00:48	82S	07:13	281
2024	Feb	26	(Mon)	19:55	88	01:28	77S	07:44	275
2024	Feb	27	(Tue)	20:42	94	02:07	71S	08:14	269
2024	Feb	28	(Wed)	21:31	101	02:46	65S	08:45	263
2024	Feb	29	(Thu)	22:21	106	03:26	59S	09:17	257
2024	Mar	01	(Fri)	23:14	111	04:08	54S	09:51	251
2024	Mar	02	(Sat)			04:54	49S	10:30	246
2024	Mar	03	(Sun)	00:10	116	05:43	45S	11:15	243
2024	Mar	04	(Mon)	01:09	119	06:38	43S	12:06	240
2024	Mar	05	(Tue)	02:09	120	07:36	42S	13:04	239
2024	Mar	06	(Wed)	03:09	120	08:37	42S	14:07	241
2024	Mar	07	(Thu)	04:05	117	09:38	45S	15:14	244
2024	Mar	08	(Fri)	04:57	113	10:37	50S	16:21	250
2024	Mar	09	(Sat)	05:44	107	11:33	56S	17:27	257
2024	Mar	10	(Sun)	06:28	99	12:27	63S	18:32	264
2024	Mar	11	(Mon)	07:09	92	13:19	71S	19:34	272
2024	Mar	12	(Tue)	07:49	84	14:10	79S	20:37	280
2024	Mar	13	(Wed)	08:30	76	15:02	85S	21:40	287
2024	Mar	14	(Thu)	09:13	70	15:55	90N	22:43	293
2024	Mar	15	(Fri)	09:59	65	16:51	86N	23:45	297
2024	Mar	16	(Sat)	10:50	61	17:47	83N		
2024	Mar	17	(Sun)	11:43	60	18:44	82N	00:47	300
2024	Mar	18	(Mon)	12:39	60	19:39	83N	01:44	300
2024	Mar	19	(Tue)	13:36	62	20:31	85N	02:36	299
2024	Mar	20	(Wed)	14:31	65	21:19	88N	03:23	297
2024	Mar	21	(Thu)	15:24	69	22:05	89S	04:04	293
2024	Mar	22	(Fri)	16:15	74	22:47	84S	04:41	288
2024	Mar	23	(Sat)	17:04	80	23:27	79S	05:15	283
2024	Mar	24	(Sun)	17:52	86			05:46	277
2024	Mar	25	(Mon)	18:39	92	00:06	73S	06:17	271
2024	Mar	26	(Tue)	19:27	99	00:45	67S	06:47	265
2024	Mar	27	(Wed)	20:17	105	01:25	61S	07:19	259
2024	Mar	28	(Thu)	21:09	110	02:07	55S	07:52	253
2024	Mar	29	(Fri)	22:04	115	02:51	50S	08:30	248
2024	Mar	30	(Sat)	23:02	118	03:39	46S	09:12	244
2024	Mar	31	(Sun)			04:32	43S	10:00	241
2024	Apr	01	(Mon)	00:01	120	05:28	42S	10:54	239
2024	Apr	02	(Tue)	00:59	120	06:26	42S	11:54	240
2024	Apr	03	(Wed)	01:55	119	07:25	44S	12:58	243
2024	Apr	04	(Thu)	02:47	115	08:23	48S	14:02	247

2024 Apr 05 (Fri)	03:34 110	09:18 53S	15:07 253
2024 Apr 06 (Sat)	04:18 103	10:12 60S	16:10 260
2024 Apr 07 (Sun)	04:59 96	11:03 67S	17:13 268
2024 Apr 08 (Mon)	05:39 88	11:54 75S	18:15 276
2024 Apr 09 (Tue)	06:19 80	12:46 82S	19:18 284
2024 Apr 10 (Wed)	07:02 73	13:39 88S	20:22 290
2024 Apr 11 (Thu)	07:48 67	14:35 88N	21:27 296
2024 Apr 12 (Fri)	08:38 63	15:33 84N	22:32 299
2024 Apr 13 (Sat)	09:32 60	16:32 82N	23:33 300
2024 Apr 14 (Sun)	10:29 60	17:30 82N	
2024 Apr 15 (Mon)	11:27 61	18:24 84N	00:29 300
2024 Apr 16 (Tue)	12:24 64	19:15 87N	01:19 298
2024 Apr 17 (Wed)	13:18 68	20:02 91	02:03 294
2024 Apr 18 (Thu)	14:10 73	20:45 86S	02:41 290
2024 Apr 19 (Fri)	15:00 78	21:26 80S	03:16 285
2024 Apr 20 (Sat)	15:48 84	22:05 75S	03:48 279
2024 Apr 21 (Sun)	16:35 90	22:44 69S	04:19 273
2024 Apr 22 (Mon)	17:23 96	23:24 63S	04:49 267
2024 Apr 23 (Tue)	18:13 103		05:20 261
2024 Apr 24 (Wed)	19:04 108	00:05 57S	05:53 255
2024 Apr 25 (Thu)	19:59 113	00:49 52S	06:30 249
2024 Apr 26 (Fri)	20:56 117	01:36 48S	07:11 245
2024 Apr 27 (Sat)	21:55 120	02:28 44S	07:57 241
2024 Apr 28 (Sun)	22:54 121	03:23 42S	08:50 240
2024 Apr 29 (Mon)	23:50 119	04:21 42S	09:48 240
2024 Apr 30 (Tue)		05:19 43S	10:50 242
2024 May 01 (Wed)	00:42 117	06:16 46S	11:53 245
2024 May 02 (Thu)	01:30 112	07:11 51S	12:55 251
2024 May 03 (Fri)	02:13 106	08:03 57S	13:57 257
2024 May 04 (Sat)	02:54 99	08:53 64S	14:57 265
2024 May 05 (Sun)	03:32 91	09:42 71S	15:57 272
2024 May 06 (Mon)	04:11 84	10:32 78S	16:58 280
2024 May 07 (Tue)	04:52 76	11:24 85S	18:01 287
2024 May 08 (Wed)	05:36 70	12:18 90N	19:06 293
2024 May 09 (Thu)	06:24 65	13:16 86N	20:12 297
2024 May 10 (Fri)	07:17 61	14:15 83N	21:16 300
2024 May 11 (Sat)	08:14 60	15:15 82N	22:16 300
2024 May 12 (Sun)	09:13 60	16:13 83N	23:10 299
2024 May 13 (Mon)	10:12 62	17:06 85N	23:57 296
2024 May 14 (Tue)	11:09 66	17:56 89N	
2024 May 15 (Wed)	12:02 71	18:41 88S	00:39 292
2024 May 16 (Thu)	12:53 76	19:23 82S	01:15 287
2024 May 17 (Fri)	13:42 82	20:03 77S	01:48 281
2024 May 18 (Sat)	14:30 88	20:42 71S	02:19 275
2024 May 19 (Sun)	15:17 94	21:21 65S	02:50 269
2024 May 20 (Mon)	16:06 100	22:01 59S	03:20 263
2024 May 21 (Tue)	16:57 106	22:44 54S	03:53 257
2024 May 22 (Wed)	17:51 111	23:31 49S	04:28 251
2024 May 23 (Thu)	18:48 116		05:08 246
2024 May 24 (Fri)	19:47 119	00:22 45S	05:53 243
2024 May 25 (Sat)	20:47 120	01:17 43S	06:44 240
2024 May 26 (Sun)	21:45 120	02:15 42S	07:42 240
2024 May 27 (Mon)	22:39 117	03:14 43S	08:43 241
2024 May 28 (Tue)	23:28 113	04:12 45S	09:46 244
2024 May 29 (Wed)		05:07 50S	10:49 249
2024 May 30 (Thu)	00:12 108	05:59 55S	11:50 255
2024 May 31 (Fri)	00:53 101	06:49 62S	12:49 262
2024 Jun 01 (Sat)	01:31 94	07:37 69S	13:48 270
2024 Jun 02 (Sun)	02:09 87	08:25 76S	14:47 277
2024 Jun 03 (Mon)	02:47 79	09:14 83S	15:47 284
2024 Jun 04 (Tue)	03:28 73	10:06 89S	16:49 291
2024 Jun 05 (Wed)	04:13 67	11:01 88N	17:53 296
2024 Jun 06 (Thu)	05:04 63	11:59 84N	18:58 299
2024 Jun 07 (Fri)	05:59 60	12:59 82N	20:00 300
2024 Jun 08 (Sat)	06:58 60	13:58 82N	20:58 300
2024 Jun 09 (Sun)	07:58 61	14:55 84N	21:49 297
2024 Jun 10 (Mon)	08:56 64	15:47 88N	22:33 293
2024 Jun 11 (Tue)	09:52 69	16:34 90S	23:12 289
2024 Jun 12 (Wed)	10:45 74	17:18 84S	23:47 283
2024 Jun 13 (Thu)	11:35 80	17:59 79S	
2024 Jun 14 (Fri)	12:23 86	18:38 73S	00:19 277
2024 Jun 15 (Sat)	13:10 92	19:17 67S	00:49 271

2024 Jun 16 (Sun)	13:58 98	19:57 61S	01:19 265
2024 Jun 17 (Mon)	14:48 104	20:38 56S	01:51 259
2024 Jun 18 (Tue)	15:40 110	21:23 51S	02:25 253
2024 Jun 19 (Wed)	16:36 114	22:12 47S	03:03 248
2024 Jun 20 (Thu)	17:35 118	23:06 44S	03:46 244
2024 Jun 21 (Fri)	18:36 120		04:35 241
2024 Jun 22 (Sat)	19:36 120	00:04 42S	05:31 240
2024 Jun 23 (Sun)	20:33 118	01:04 42S	06:33 240
2024 Jun 24 (Mon)	21:25 115	02:04 44S	07:37 243
2024 Jun 25 (Tue)	22:11 109	03:01 48S	08:41 248
2024 Jun 26 (Wed)	22:53 103	03:55 53S	09:44 254
2024 Jun 27 (Thu)	23:32 96	04:46 60S	10:44 260
2024 Jun 28 (Fri)		05:35 67S	11:43 268
2024 Jun 29 (Sat)	00:09 89	06:22 74S	12:41 275
2024 Jun 30 (Sun)	00:47 81	07:10 81S	13:40 282
2024 Jul 01 (Mon)	01:26 75	08:00 87S	14:40 289
2024 Jul 02 (Tue)	02:09 69	08:53 89N	15:42 294
2024 Jul 03 (Wed)	02:56 64	09:49 85N	16:45 298
2024 Jul 04 (Thu)	03:48 61	10:47 83N	17:47 300
2024 Jul 05 (Fri)	04:45 60	11:46 82N	18:46 300
2024 Jul 06 (Sat)	05:45 60	12:43 83N	19:40 298
2024 Jul 07 (Sun)	06:44 63	13:37 86N	20:27 295
2024 Jul 08 (Mon)	07:41 67	14:27 90N	21:08 290
2024 Jul 09 (Tue)	08:35 72	15:12 86S	21:44 285
2024 Jul 10 (Wed)	09:27 78	15:54 81S	22:17 279
2024 Jul 11 (Thu)	10:16 83	16:34 75S	22:48 273
2024 Jul 12 (Fri)	11:03 90	17:13 69S	23:19 267
2024 Jul 13 (Sat)	11:51 96	17:52 64S	23:49 261
2024 Jul 14 (Sun)	12:39 102	18:32 58S	
2024 Jul 15 (Mon)	13:30 107	19:15 53S	00:22 255
2024 Jul 16 (Tue)	14:24 113	20:02 48S	00:57 250
2024 Jul 17 (Wed)	15:21 117	20:53 45S	01:38 245
2024 Jul 18 (Thu)	16:20 119	21:49 42S	02:24 242
2024 Jul 19 (Fri)	17:21 120	22:49 42S	03:17 240
2024 Jul 20 (Sat)	18:20 119	23:50 43S	04:16 240
2024 Jul 21 (Sun)	19:15 116		05:21 242
2024 Jul 22 (Mon)	20:05 112	00:49 46S	06:27 246
2024 Jul 23 (Tue)	20:50 105	01:46 51S	07:32 251
2024 Jul 24 (Wed)	21:30 98	02:40 57S	08:35 258
2024 Jul 25 (Thu)	22:09 91	03:31 64S	09:36 265
2024 Jul 26 (Fri)	22:47 83	04:19 72S	10:35 273
2024 Jul 27 (Sat)	23:26 76	05:08 79S	11:34 280
2024 Jul 28 (Sun)		05:58 85S	12:34 287
2024 Jul 29 (Mon)	00:08 70	06:49 90N	13:36 293
2024 Jul 30 (Tue)	00:53 65	07:44 86N	14:38 297
2024 Jul 31 (Wed)	01:43 61	08:40 83N	15:40 300
2024 Aug 01 (Thu)	02:38 60	09:38 82N	16:39 300
2024 Aug 02 (Fri)	03:36 60	10:35 83N	17:33 299
2024 Aug 03 (Sat)	04:34 62	11:30 85N	18:22 296
2024 Aug 04 (Sun)	05:32 65	12:21 88N	19:05 292
2024 Aug 05 (Mon)	06:27 70	13:07 88S	19:43 287
2024 Aug 06 (Tue)	07:19 75	13:50 83S	20:17 282
2024 Aug 07 (Wed)	08:09 81	14:31 77S	20:48 276
2024 Aug 08 (Thu)	08:57 87	15:10 72S	21:19 269
2024 Aug 09 (Fri)	09:45 94	15:49 66S	21:49 263
2024 Aug 10 (Sat)	10:32 100	16:28 60S	22:20 257
2024 Aug 11 (Sun)	11:22 106	17:10 55S	22:54 252
2024 Aug 12 (Mon)	12:13 111	17:54 50S	23:32 247
2024 Aug 13 (Tue)	13:08 115	18:42 46S	
2024 Aug 14 (Wed)	14:05 119	19:35 43S	00:14 243
2024 Aug 15 (Thu)	15:05 120	20:32 42S	01:03 240
2024 Aug 16 (Fri)	16:04 120	21:32 42S	01:59 239
2024 Aug 17 (Sat)	17:01 118	22:32 44S	03:01 240
2024 Aug 18 (Sun)	17:53 114	23:31 49S	04:06 243
2024 Aug 19 (Mon)	18:41 108		05:12 248
2024 Aug 20 (Tue)	19:24 101	00:27 54S	06:18 255
2024 Aug 21 (Wed)	20:04 94	01:20 61S	07:21 262
2024 Aug 22 (Thu)	20:44 86	02:11 69S	08:23 270
2024 Aug 23 (Fri)	21:24 79	03:01 76S	09:24 278
2024 Aug 24 (Sat)	22:05 72	03:52 83S	10:26 285
2024 Aug 25 (Sun)	22:50 66	04:44 89S	11:28 291
2024 Aug 26 (Mon)	23:40 62	05:39 87N	12:32 296

2024 Aug 27 (Tue)		06:36 84N	13:34 299
2024 Aug 28 (Wed)	00:33 60	07:33 82N	14:35 301
2024 Aug 29 (Thu)	01:30 60	08:31 82N	15:30 300
2024 Aug 30 (Fri)	02:28 61	09:26 84N	16:20 298
2024 Aug 31 (Sat)	03:26 64	10:17 87N	17:04 294
2024 Sep 01 (Sun)	04:21 68	11:04 90S	17:43 289
2024 Sep 02 (Mon)	05:14 73	11:48 85S	18:18 284
2024 Sep 03 (Tue)	06:04 79	12:29 79S	18:50 278
2024 Sep 04 (Wed)	06:53 85	13:09 74S	19:20 272
2024 Sep 05 (Thu)	07:40 92	13:48 68S	19:50 265
2024 Sep 06 (Fri)	08:28 98	14:27 62S	20:21 259
2024 Sep 07 (Sat)	09:16 104	15:07 56S	20:54 254
2024 Sep 08 (Sun)	10:07 109	15:50 51S	21:29 249
2024 Sep 09 (Mon)	11:00 114	16:36 47S	22:09 244
2024 Sep 10 (Tue)	11:55 118	17:26 44S	22:55 241
2024 Sep 11 (Wed)	12:52 120	18:20 42S	23:46 239
2024 Sep 12 (Thu)	13:50 121	19:17 42S	
2024 Sep 13 (Fri)	14:47 120	20:15 43S	00:44 240
2024 Sep 14 (Sat)	15:40 117	21:14 46S	01:46 242
2024 Sep 15 (Sun)	16:29 112	22:10 51S	02:51 245
2024 Sep 16 (Mon)	17:13 105	23:04 58S	03:56 251
2024 Sep 17 (Tue)	17:55 98	23:57 65S	05:00 258
2024 Sep 18 (Wed)	18:36 90		06:03 266
2024 Sep 19 (Thu)	19:16 82	00:48 73S	07:06 274
2024 Sep 20 (Fri)	19:58 75	01:40 80S	08:09 282
2024 Sep 21 (Sat)	20:43 68	02:33 87S	09:14 289
2024 Sep 22 (Sun)	21:33 63	03:29 89N	10:19 295
2024 Sep 23 (Mon)	22:26 60	04:27 85N	11:25 299
2024 Sep 24 (Tue)	23:24 59	05:26 82N	12:28 300
2024 Sep 25 (Wed)		06:25 82N	13:26 300
2024 Sep 26 (Thu)	00:23 60	07:22 83N	14:18 298
2024 Sep 27 (Fri)	01:21 63	08:14 86N	15:04 295
2024 Sep 28 (Sat)	02:17 67	09:03 90N	15:44 291
2024 Sep 29 (Sun)	03:10 72	09:47 87S	16:20 285
2024 Sep 30 (Mon)	04:01 77	10:29 81S	16:52 280
2024 Oct 01 (Tue)	04:50 83	11:09 75S	17:23 274
2024 Oct 02 (Wed)	05:37 90	11:47 70S	17:53 267
2024 Oct 03 (Thu)	06:25 96	12:26 64S	18:23 261
2024 Oct 04 (Fri)	07:13 102	13:06 58S	18:55 256
2024 Oct 05 (Sat)	08:03 107	13:48 53S	19:30 250
2024 Oct 06 (Sun)	08:55 112	14:33 48S	20:08 246
2024 Oct 07 (Mon)	09:49 116	15:21 45S	20:51 242
2024 Oct 08 (Tue)	10:45 119	16:13 42S	21:40 240
2024 Oct 09 (Wed)	11:42 121	17:08 41S	22:34 239
2024 Oct 10 (Thu)	12:37 120	18:04 42S	23:33 240
2024 Oct 11 (Fri)	13:30 118	19:01 45S	
2024 Oct 12 (Sat)	14:19 114	19:56 49S	00:34 244
2024 Oct 13 (Sun)	15:04 109	20:49 54S	01:37 248
2024 Oct 14 (Mon)	15:46 102	21:41 61S	02:40 255
2024 Oct 15 (Tue)	16:26 94	22:32 68S	03:42 262
2024 Oct 16 (Wed)	17:06 86	23:23 76S	04:44 270
2024 Oct 17 (Thu)	17:47 79		05:47 278
2024 Oct 18 (Fri)	18:31 71	00:16 83S	06:51 285
2024 Oct 19 (Sat)	19:20 66	01:12 90S	07:58 292
2024 Oct 20 (Sun)	20:14 62	02:11 86N	09:06 297
2024 Oct 21 (Mon)	21:12 60	03:12 83N	10:13 300
2024 Oct 22 (Tue)	22:12 60	04:13 82N	11:15 301
2024 Oct 23 (Wed)	23:13 62	05:13 82N	12:12 299
2024 Oct 24 (Thu)		06:08 85N	13:01 296
2024 Oct 25 (Fri)	00:11 65	06:59 88N	13:43 292
2024 Oct 26 (Sat)	01:06 70	07:45 88S	14:21 287
2024 Oct 27 (Sun)	01:57 75	08:28 83S	14:54 282
2024 Oct 28 (Mon)	02:46 81	09:08 77S	15:25 276
2024 Oct 29 (Tue)	03:34 87	09:47 72S	15:56 269
2024 Oct 30 (Wed)	04:21 94	10:26 66S	16:26 263
2024 Oct 31 (Thu)	05:09 100	11:05 60S	16:57 257
2024 Nov 01 (Fri)	05:59 106	11:47 55S	17:31 252
2024 Nov 02 (Sat)	06:50 111	12:31 50S	18:08 247
2024 Nov 03 (Sun)	07:44 115	13:18 46S	18:50 243
2024 Nov 04 (Mon)	08:40 118	14:09 43S	19:37 241
2024 Nov 05 (Tue)	09:37 120	15:03 42S	20:30 239
2024 Nov 06 (Wed)	10:33 120	15:59 42S	21:26 240

2024 Nov 07 (Thu)	11:25 119	16:55 44S	22:26 242
2024 Nov 08 (Fri)	12:14 115	17:49 47S	23:27 247
2024 Nov 09 (Sat)	12:59 111	18:41 52S	
2024 Nov 10 (Sun)	13:40 105	19:31 58S	00:27 252
2024 Nov 11 (Mon)	14:20 98	20:20 65S	01:27 259
2024 Nov 12 (Tue)	14:58 90	21:09 72S	02:26 266
2024 Nov 13 (Wed)	15:37 82	22:00 80S	03:27 274
2024 Nov 14 (Thu)	16:19 75	22:53 87S	04:29 281
2024 Nov 15 (Fri)	17:05 69	23:50 89N	05:34 289
2024 Nov 16 (Sat)	17:56 64		06:41 294
2024 Nov 17 (Sun)	18:54 60	00:51 85N	07:50 298
2024 Nov 18 (Mon)	19:55 60	01:54 82N	08:56 300
2024 Nov 19 (Tue)	20:58 61	02:57 82N	09:58 300
2024 Nov 20 (Wed)	21:59 64	03:56 84N	10:52 298
2024 Nov 21 (Thu)	22:56 68	04:50 87N	11:38 294
2024 Nov 22 (Fri)	23:50 73	05:40 90S	12:18 289
2024 Nov 23 (Sat)		06:24 85S	12:54 284
2024 Nov 24 (Sun)	00:41 79	07:06 79S	13:26 278
2024 Nov 25 (Mon)	01:29 85	07:45 73S	13:57 272
2024 Nov 26 (Tue)	02:17 92	08:24 68S	14:27 265
2024 Nov 27 (Wed)	03:04 98	09:03 62S	14:58 259
2024 Nov 28 (Thu)	03:53 104	09:44 56S	15:31 254
2024 Nov 29 (Fri)	04:44 109	10:27 51S	16:07 249
2024 Nov 30 (Sat)	05:37 114	11:14 47S	16:47 244
2024 Dec 01 (Sun)	06:33 117	12:04 44S	17:33 241
2024 Dec 02 (Mon)	07:30 120	12:58 42S	18:25 240
2024 Dec 03 (Tue)	08:27 120	13:54 42S	19:21 240
2024 Dec 04 (Wed)	09:22 119	14:50 43S	20:21 242
2024 Dec 05 (Thu)	10:12 116	15:45 46S	21:22 245
2024 Dec 06 (Fri)	10:58 112	16:38 51S	22:22 250
2024 Dec 07 (Sat)	11:40 106	17:28 56S	23:20 257
2024 Dec 08 (Sun)	12:18 100	18:16 63S	
2024 Dec 09 (Mon)	12:56 93	19:03 70S	00:18 264
2024 Dec 10 (Tue)	13:33 85	19:51 77S	01:16 271
2024 Dec 11 (Wed)	14:12 78	20:41 84S	02:15 278
2024 Dec 12 (Thu)	14:54 71	21:35 90S	03:16 286
2024 Dec 13 (Fri)	15:42 66	22:32 87N	04:20 292
2024 Dec 14 (Sat)	16:36 62	23:34 83N	05:27 297
2024 Dec 15 (Sun)	17:35 60		06:34 300
2024 Dec 16 (Mon)	18:38 60	00:37 82N	07:39 300
2024 Dec 17 (Tue)	19:41 62	01:38 83N	08:37 299
2024 Dec 18 (Wed)	20:42 66	02:36 85N	09:28 296
2024 Dec 19 (Thu)	21:39 71	03:29 89N	10:12 291
2024 Dec 20 (Fri)	22:32 77	04:17 87S	10:50 286
2024 Dec 21 (Sat)	23:22 83	05:00 81S	11:24 280
2024 Dec 22 (Sun)		05:41 76S	11:56 274
2024 Dec 23 (Mon)	00:10 89	06:20 70S	12:26 268
2024 Dec 24 (Tue)	00:58 96	06:59 64S	12:57 262
2024 Dec 25 (Wed)	01:46 102	07:39 58S	13:29 256
2024 Dec 26 (Thu)	02:36 107	08:21 53S	14:04 250
2024 Dec 27 (Fri)	03:28 112	09:06 49S	14:42 246
2024 Dec 28 (Sat)	04:23 116	09:56 45S	15:26 242
2024 Dec 29 (Sun)	05:20 119	10:48 43S	16:16 240
2024 Dec 30 (Mon)	06:18 120	11:45 42S	17:11 240
2024 Dec 31 (Tue)	07:14 120	12:42 43S	18:11 241