

Sun

ChiangMai

Location: E 98°59'05.9", N18°47'06.0", 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)	06:06	06:57	114	12:27 49S	17:58 246		18:49
2024	Jan	02 (Tue)	06:06	06:57	114	12:28 49S	17:59 246		18:50
2024	Jan	03 (Wed)	06:06	06:57	114	12:28 49S	17:59 246		18:50
2024	Jan	04 (Thu)	06:07	06:58	114	12:29 49S	18:00 246		18:51
2024	Jan	05 (Fri)	06:07	06:58	114	12:29 49S	18:00 246		18:51
2024	Jan	06 (Sat)	06:07	06:58	114	12:30 49S	18:01 246		18:52
2024	Jan	07 (Sun)	06:08	06:58	113	12:30 49S	18:02 247		18:52
2024	Jan	08 (Mon)	06:08	06:59	113	12:30 50S	18:02 247		18:53
2024	Jan	09 (Tue)	06:08	06:59	113	12:31 50S	18:03 247		18:54
2024	Jan	10 (Wed)	06:08	06:59	113	12:31 50S	18:04 247		18:54
2024	Jan	11 (Thu)	06:09	06:59	113	12:32 50S	18:04 247		18:55
2024	Jan	12 (Fri)	06:09	06:59	113	12:32 50S	18:05 247		18:55
2024	Jan	13 (Sat)	06:09	07:00	113	12:32 50S	18:06 248		18:56
2024	Jan	14 (Sun)	06:09	07:00	112	12:33 51S	18:06 248		18:57
2024	Jan	15 (Mon)	06:09	07:00	112	12:33 51S	18:07 248		18:57
2024	Jan	16 (Tue)	06:10	07:00	112	12:34 51S	18:07 248		18:58
2024	Jan	17 (Wed)	06:10	07:00	112	12:34 51S	18:08 248		18:58
2024	Jan	18 (Thu)	06:10	07:00	112	12:34 51S	18:09 248		18:59
2024	Jan	19 (Fri)	06:10	07:00	111	12:35 51S	18:09 249		18:59
2024	Jan	20 (Sat)	06:10	07:00	111	12:35 52S	18:10 249		19:00
2024	Jan	21 (Sun)	06:10	07:00	111	12:35 52S	18:11 249		19:01
2024	Jan	22 (Mon)	06:10	07:00	111	12:35 52S	18:11 249		19:01
2024	Jan	23 (Tue)	06:10	07:00	110	12:36 52S	18:12 250		19:02
2024	Jan	24 (Wed)	06:10	07:00	110	12:36 53S	18:12 250		19:02
2024	Jan	25 (Thu)	06:10	06:59	110	12:36 53S	18:13 250		19:03
2024	Jan	26 (Fri)	06:10	06:59	110	12:36 53S	18:14 250		19:03
2024	Jan	27 (Sat)	06:10	06:59	109	12:37 53S	18:14 251		19:04
2024	Jan	28 (Sun)	06:10	06:59	109	12:37 54S	18:15 251		19:04
2024	Jan	29 (Mon)	06:09	06:59	109	12:37 54S	18:15 251		19:05
2024	Jan	30 (Tue)	06:09	06:59	109	12:37 54S	18:16 252		19:05
2024	Jan	31 (Wed)	06:09	06:58	108	12:37 54S	18:17 252		19:06
2024	Feb	01 (Thu)	06:09	06:58	108	12:38 55S	18:17 252		19:06
2024	Feb	02 (Fri)	06:09	06:58	108	12:38 55S	18:18 252		19:07
2024	Feb	03 (Sat)	06:09	06:58	107	12:38 55S	18:18 253		19:07
2024	Feb	04 (Sun)	06:08	06:57	107	12:38 56S	18:19 253		19:08
2024	Feb	05 (Mon)	06:08	06:57	107	12:38 56S	18:19 253		19:08
2024	Feb	06 (Tue)	06:08	06:57	106	12:38 56S	18:20 254		19:09
2024	Feb	07 (Wed)	06:07	06:56	106	12:38 56S	18:20 254		19:09
2024	Feb	08 (Thu)	06:07	06:56	106	12:38 57S	18:21 254		19:09
2024	Feb	09 (Fri)	06:07	06:55	105	12:38 57S	18:21 255		19:10
2024	Feb	10 (Sat)	06:06	06:55	105	12:38 57S	18:22 255		19:10
2024	Feb	11 (Sun)	06:06	06:54	105	12:38 58S	18:22 255		19:11
2024	Feb	12 (Mon)	06:06	06:54	104	12:38 58S	18:23 256		19:11
2024	Feb	13 (Tue)	06:05	06:54	104	12:38 58S	18:23 256		19:11
2024	Feb	14 (Wed)	06:05	06:53	104	12:38 59S	18:24 256		19:12
2024	Feb	15 (Thu)	06:04	06:52	103	12:38 59S	18:24 257		19:12
2024	Feb	16 (Fri)	06:04	06:52	103	12:38 59S	18:25 257		19:13
2024	Feb	17 (Sat)	06:03	06:51	103	12:38 60S	18:25 258		19:13
2024	Feb	18 (Sun)	06:03	06:51	102	12:38 60S	18:25 258		19:13
2024	Feb	19 (Mon)	06:02	06:50	102	12:38 60S	18:26 258		19:14
2024	Feb	20 (Tue)	06:02	06:50	102	12:38 61S	18:26 259		19:14
2024	Feb	21 (Wed)	06:01	06:49	101	12:38 61S	18:27 259		19:14
2024	Feb	22 (Thu)	06:01	06:48	101	12:38 62S	18:27 259		19:15
2024	Feb	23 (Fri)	06:00	06:48	100	12:37 62S	18:27 260		19:15
2024	Feb	24 (Sat)	06:00	06:47	100	12:37 62S	18:28 260		19:15
2024	Feb	25 (Sun)	05:59	06:47	100	12:37 63S	18:28 261		19:16
2024	Feb	26 (Mon)	05:58	06:46	99	12:37 63S	18:28 261		19:16
2024	Feb	27 (Tue)	05:58	06:45	99	12:37 63S	18:29 261		19:16
2024	Feb	28 (Wed)	05:57	06:44	98	12:37 64S	18:29 262		19:17
2024	Feb	29 (Thu)	05:56	06:44	98	12:37 64S	18:30 262		19:17

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

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

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

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

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

Sun

ChiangMai

Location: E 98°59'06.0", N18°47'06.0", 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)	06:33	06:57	114	12:27	49S	17:58	246	18:22
2024	Jan	02	(Tue)	06:33	06:57	114	12:28	49S	17:59	246	18:22
2024	Jan	03	(Wed)	06:34	06:57	114	12:28	49S	17:59	246	18:23
2024	Jan	04	(Thu)	06:34	06:58	114	12:29	49S	18:00	246	18:24
2024	Jan	05	(Fri)	06:34	06:58	114	12:29	49S	18:00	246	18:24
2024	Jan	06	(Sat)	06:34	06:58	114	12:30	49S	18:01	246	18:25
2024	Jan	07	(Sun)	06:35	06:58	113	12:30	49S	18:02	247	18:25
2024	Jan	08	(Mon)	06:35	06:59	113	12:30	50S	18:02	247	18:26
2024	Jan	09	(Tue)	06:35	06:59	113	12:31	50S	18:03	247	18:27
2024	Jan	10	(Wed)	06:35	06:59	113	12:31	50S	18:04	247	18:27
2024	Jan	11	(Thu)	06:36	06:59	113	12:32	50S	18:04	247	18:28
2024	Jan	12	(Fri)	06:36	06:59	113	12:32	50S	18:05	247	18:28
2024	Jan	13	(Sat)	06:36	07:00	113	12:32	50S	18:06	248	18:29
2024	Jan	14	(Sun)	06:36	07:00	112	12:33	51S	18:06	248	18:30
2024	Jan	15	(Mon)	06:36	07:00	112	12:33	51S	18:07	248	18:30
2024	Jan	16	(Tue)	06:36	07:00	112	12:34	51S	18:07	248	18:31
2024	Jan	17	(Wed)	06:36	07:00	112	12:34	51S	18:08	248	18:31
2024	Jan	18	(Thu)	06:37	07:00	112	12:34	51S	18:09	248	18:32
2024	Jan	19	(Fri)	06:37	07:00	111	12:35	51S	18:09	249	18:33
2024	Jan	20	(Sat)	06:37	07:00	111	12:35	52S	18:10	249	18:33
2024	Jan	21	(Sun)	06:37	07:00	111	12:35	52S	18:11	249	18:34
2024	Jan	22	(Mon)	06:37	07:00	111	12:35	52S	18:11	249	18:34
2024	Jan	23	(Tue)	06:37	07:00	110	12:36	52S	18:12	250	18:35
2024	Jan	24	(Wed)	06:36	07:00	110	12:36	53S	18:12	250	18:36
2024	Jan	25	(Thu)	06:36	06:59	110	12:36	53S	18:13	250	18:36
2024	Jan	26	(Fri)	06:36	06:59	110	12:36	53S	18:14	250	18:37
2024	Jan	27	(Sat)	06:36	06:59	109	12:37	53S	18:14	251	18:37
2024	Jan	28	(Sun)	06:36	06:59	109	12:37	54S	18:15	251	18:38
2024	Jan	29	(Mon)	06:36	06:59	109	12:37	54S	18:15	251	18:38
2024	Jan	30	(Tue)	06:36	06:59	109	12:37	54S	18:16	252	18:39
2024	Jan	31	(Wed)	06:35	06:58	108	12:37	54S	18:17	252	18:39
2024	Feb	01	(Thu)	06:35	06:58	108	12:38	55S	18:17	252	18:40
2024	Feb	02	(Fri)	06:35	06:58	108	12:38	55S	18:18	252	18:40
2024	Feb	03	(Sat)	06:35	06:58	107	12:38	55S	18:18	253	18:41
2024	Feb	04	(Sun)	06:34	06:57	107	12:38	56S	18:19	253	18:41
2024	Feb	05	(Mon)	06:34	06:57	107	12:38	56S	18:19	253	18:42
2024	Feb	06	(Tue)	06:34	06:57	106	12:38	56S	18:20	254	18:42
2024	Feb	07	(Wed)	06:34	06:56	106	12:38	56S	18:20	254	18:43
2024	Feb	08	(Thu)	06:33	06:56	106	12:38	57S	18:21	254	18:43
2024	Feb	09	(Fri)	06:33	06:55	105	12:38	57S	18:21	255	18:44
2024	Feb	10	(Sat)	06:32	06:55	105	12:38	57S	18:22	255	18:44

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

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

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

2024	Sep	14	(Sat)	05:50	06:12	86	12:20	75S	18:27	274	18:49
2024	Sep	15	(Sun)	05:50	06:12	87	12:19	75S	18:26	273	18:48
2024	Sep	16	(Mon)	05:50	06:12	87	12:19	74S	18:25	273	18:47
2024	Sep	17	(Tue)	05:50	06:12	87	12:18	74S	18:25	272	18:46
2024	Sep	18	(Wed)	05:50	06:12	88	12:18	74S	18:24	272	18:46
2024	Sep	19	(Thu)	05:51	06:12	88	12:18	73S	18:23	272	18:45
2024	Sep	20	(Fri)	05:51	06:13	89	12:17	73S	18:22	271	18:44
2024	Sep	21	(Sat)	05:51	06:13	89	12:17	72S	18:21	271	18:43
2024	Sep	22	(Sun)	05:51	06:13	89	12:17	72S	18:20	270	18:42
2024	Sep	23	(Mon)	05:51	06:13	90	12:16	72S	18:19	270	18:41
2024	Sep	24	(Tue)	05:51	06:13	90	12:16	71S	18:18	269	18:40
2024	Sep	25	(Wed)	05:52	06:14	91	12:16	71S	18:18	269	18:39
2024	Sep	26	(Thu)	05:52	06:14	91	12:15	70S	18:17	269	18:38
2024	Sep	27	(Fri)	05:52	06:14	92	12:15	70S	18:16	268	18:38
2024	Sep	28	(Sat)	05:52	06:14	92	12:15	70S	18:15	268	18:37
2024	Sep	29	(Sun)	05:52	06:14	92	12:14	69S	18:14	267	18:36
2024	Sep	30	(Mon)	05:53	06:14	93	12:14	69S	18:13	267	18:35
2024	Oct	01	(Tue)	05:53	06:15	93	12:14	69S	18:12	267	18:34
2024	Oct	02	(Wed)	05:53	06:15	94	12:13	68S	18:11	266	18:33
2024	Oct	03	(Thu)	05:53	06:15	94	12:13	68S	18:11	266	18:33
2024	Oct	04	(Fri)	05:53	06:15	94	12:13	67S	18:10	265	18:32
2024	Oct	05	(Sat)	05:54	06:16	95	12:12	67S	18:09	265	18:31
2024	Oct	06	(Sun)	05:54	06:16	95	12:12	67S	18:08	265	18:30
2024	Oct	07	(Mon)	05:54	06:16	96	12:12	66S	18:07	264	18:29
2024	Oct	08	(Tue)	05:54	06:16	96	12:12	66S	18:07	264	18:28
2024	Oct	09	(Wed)	05:55	06:16	96	12:11	65S	18:06	263	18:28
2024	Oct	10	(Thu)	05:55	06:17	97	12:11	65S	18:05	263	18:27
2024	Oct	11	(Fri)	05:55	06:17	97	12:11	65S	18:04	263	18:26
2024	Oct	12	(Sat)	05:55	06:17	98	12:10	64S	18:03	262	18:25
2024	Oct	13	(Sun)	05:56	06:18	98	12:10	64S	18:03	262	18:25
2024	Oct	14	(Mon)	05:56	06:18	98	12:10	64S	18:02	261	18:24
2024	Oct	15	(Tue)	05:56	06:18	99	12:10	63S	18:01	261	18:23
2024	Oct	16	(Wed)	05:56	06:18	99	12:10	63S	18:01	261	18:23
2024	Oct	17	(Thu)	05:57	06:19	100	12:09	62S	18:00	260	18:22
2024	Oct	18	(Fri)	05:57	06:19	100	12:09	62S	17:59	260	18:21
2024	Oct	19	(Sat)	05:57	06:19	100	12:09	62S	17:58	259	18:21
2024	Oct	20	(Sun)	05:57	06:20	101	12:09	61S	17:58	259	18:20
2024	Oct	21	(Mon)	05:58	06:20	101	12:09	61S	17:57	259	18:19
2024	Oct	22	(Tue)	05:58	06:20	101	12:08	61S	17:56	258	18:19
2024	Oct	23	(Wed)	05:58	06:21	102	12:08	60S	17:56	258	18:18
2024	Oct	24	(Thu)	05:59	06:21	102	12:08	60S	17:55	258	18:17
2024	Oct	25	(Fri)	05:59	06:21	103	12:08	60S	17:55	257	18:17
2024	Oct	26	(Sat)	05:59	06:22	103	12:08	59S	17:54	257	18:16
2024	Oct	27	(Sun)	06:00	06:22	103	12:08	59S	17:53	257	18:16
2024	Oct	28	(Mon)	06:00	06:23	104	12:08	59S	17:53	256	18:15
2024	Oct	29	(Tue)	06:01	06:23	104	12:08	58S	17:52	256	18:15
2024	Oct	30	(Wed)	06:01	06:23	104	12:08	58S	17:52	255	18:14
2024	Oct	31	(Thu)	06:01	06:24	105	12:08	58S	17:51	255	18:14
2024	Nov	01	(Fri)	06:02	06:24	105	12:08	57S	17:51	255	18:13
2024	Nov	02	(Sat)	06:02	06:25	105	12:08	57S	17:50	254	18:13
2024	Nov	03	(Sun)	06:02	06:25	106	12:08	57S	17:50	254	18:13
2024	Nov	04	(Mon)	06:03	06:26	106	12:08	56S	17:50	254	18:12
2024	Nov	05	(Tue)	06:03	06:26	106	12:08	56S	17:49	253	18:12
2024	Nov	06	(Wed)	06:04	06:26	107	12:08	56S	17:49	253	18:11
2024	Nov	07	(Thu)	06:04	06:27	107	12:08	56S	17:48	253	18:11
2024	Nov	08	(Fri)	06:05	06:27	107	12:08	55S	17:48	253	18:11
2024	Nov	09	(Sat)	06:05	06:28	108	12:08	55S	17:48	252	18:10
2024	Nov	10	(Sun)	06:06	06:28	108	12:08	55S	17:47	252	18:10
2024	Nov	11	(Mon)	06:06	06:29	108	12:08	54S	17:47	252	18:10
2024	Nov	12	(Tue)	06:07	06:29	108	12:08	54S	17:47	251	18:10
2024	Nov	13	(Wed)	06:07	06:30	109	12:08	54S	17:47	251	18:09
2024	Nov	14	(Thu)	06:08	06:31	109	12:09	54S	17:46	251	18:09
2024	Nov	15	(Fri)	06:08	06:31	109	12:09	53S	17:46	251	18:09
2024	Nov	16	(Sat)	06:09	06:32	110	12:09	53S	17:46	250	18:09
2024	Nov	17	(Sun)	06:09	06:32	110	12:09	53S	17:46	250	18:09
2024	Nov	18	(Mon)	06:10	06:33	110	12:09	53S	17:46	250	18:09
2024	Nov	19	(Tue)	06:10	06:33	110	12:09	52S	17:45	250	18:09
2024	Nov	20	(Wed)	06:11	06:34	111	12:10	52S	17:45	249	18:09
2024	Nov	21	(Thu)	06:11	06:35	111	12:10	52S	17:45	249	18:08
2024	Nov	22	(Fri)	06:12	06:35	111	12:10	52S	17:45	249	18:08
2024	Nov	23	(Sat)	06:12	06:36	111	12:10	51S	17:45	249	18:08
2024	Nov	24	(Sun)	06:13	06:36	112	12:11	51S	17:45	248	18:08

2024	Nov	25	(Mon)	06:14	06:37	112	12:11	51S	17:45	248	18:08
2024	Nov	26	(Tue)	06:14	06:38	112	12:11	51S	17:45	248	18:09
2024	Nov	27	(Wed)	06:15	06:38	112	12:12	51S	17:45	248	18:09
2024	Nov	28	(Thu)	06:15	06:39	112	12:12	51S	17:45	248	18:09
2024	Nov	29	(Fri)	06:16	06:39	112	12:12	50S	17:45	247	18:09
2024	Nov	30	(Sat)	06:16	06:40	113	12:13	50S	17:45	247	18:09
2024	Dec	01	(Sun)	06:17	06:41	113	12:13	50S	17:46	247	18:09
2024	Dec	02	(Mon)	06:18	06:41	113	12:14	50S	17:46	247	18:09
2024	Dec	03	(Tue)	06:18	06:42	113	12:14	50S	17:46	247	18:10
2024	Dec	04	(Wed)	06:19	06:42	113	12:14	50S	17:46	247	18:10
2024	Dec	05	(Thu)	06:19	06:43	113	12:15	49S	17:46	247	18:10
2024	Dec	06	(Fri)	06:20	06:44	114	12:15	49S	17:47	246	18:10
2024	Dec	07	(Sat)	06:21	06:44	114	12:16	49S	17:47	246	18:11
2024	Dec	08	(Sun)	06:21	06:45	114	12:16	49S	17:47	246	18:11
2024	Dec	09	(Mon)	06:22	06:45	114	12:16	49S	17:47	246	18:11
2024	Dec	10	(Tue)	06:22	06:46	114	12:17	49S	17:48	246	18:11
2024	Dec	11	(Wed)	06:23	06:47	114	12:17	49S	17:48	246	18:12
2024	Dec	12	(Thu)	06:23	06:47	114	12:18	49S	17:48	246	18:12
2024	Dec	13	(Fri)	06:24	06:48	114	12:18	49S	17:49	246	18:13
2024	Dec	14	(Sat)	06:25	06:48	114	12:19	49S	17:49	246	18:13
2024	Dec	15	(Sun)	06:25	06:49	114	12:19	49S	17:50	246	18:13
2024	Dec	16	(Mon)	06:26	06:50	114	12:20	49S	17:50	246	18:14
2024	Dec	17	(Tue)	06:26	06:50	114	12:20	49S	17:50	246	18:14
2024	Dec	18	(Wed)	06:27	06:51	114	12:21	49S	17:51	246	18:15
2024	Dec	19	(Thu)	06:27	06:51	115	12:21	49S	17:51	245	18:15
2024	Dec	20	(Fri)	06:28	06:52	115	12:22	48S	17:52	245	18:16
2024	Dec	21	(Sat)	06:28	06:52	115	12:22	48S	17:52	245	18:16
2024	Dec	22	(Sun)	06:29	06:53	115	12:23	48S	17:53	245	18:17
2024	Dec	23	(Mon)	06:29	06:53	115	12:23	48S	17:53	245	18:17
2024	Dec	24	(Tue)	06:30	06:54	115	12:24	49S	17:54	246	18:18
2024	Dec	25	(Wed)	06:30	06:54	114	12:24	49S	17:54	246	18:18
2024	Dec	26	(Thu)	06:31	06:55	114	12:25	49S	17:55	246	18:19
2024	Dec	27	(Fri)	06:31	06:55	114	12:25	49S	17:56	246	18:19
2024	Dec	28	(Sat)	06:32	06:55	114	12:26	49S	17:56	246	18:20
2024	Dec	29	(Sun)	06:32	06:56	114	12:26	49S	17:57	246	18:20
2024	Dec	30	(Mon)	06:32	06:56	114	12:27	49S	17:57	246	18:21
2024	Dec	31	(Tue)	06:33	06:56	114	12:27	49S	17:58	246	18:22

Moon

ChiangMai

Location: E 98°59'06.0", N18°47'06.0", 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)	22:33		80	04:15		85S	10:42		282
2024	Jan	02	(Tue)	23:20		86	04:56		80S	11:14		277
2024	Jan	03	(Wed)				05:35		74S	11:45		271
2024	Jan	04	(Thu)	00:08		92	06:14		68S	12:16		265
2024	Jan	05	(Fri)	00:56		98	06:54		62S	12:49		259
2024	Jan	06	(Sat)	01:46		104	07:37		57S	13:25		253
2024	Jan	07	(Sun)	02:40		110	08:24		51S	14:05		248
2024	Jan	08	(Mon)	03:38		115	09:16		47S	14:51		244
2024	Jan	09	(Tue)	04:39		118	10:13		44S	15:45		241
2024	Jan	10	(Wed)	05:43		120	11:14		43S	16:46		240
2024	Jan	11	(Thu)	06:46		119	12:18		44S	17:52		241
2024	Jan	12	(Fri)	07:45		117	13:21		47S	19:00		245
2024	Jan	13	(Sat)	08:38		112	14:21		51S	20:07		250
2024	Jan	14	(Sun)	09:25		106	15:16		58S	21:11		257
2024	Jan	15	(Mon)	10:08		99	16:07		64S	22:11		264
2024	Jan	16	(Tue)	10:47		92	16:56		71S	23:10		272
2024	Jan	17	(Wed)	11:26		85	17:44		78S			
2024	Jan	18	(Thu)	12:04		78	18:32		85S	00:07		279
2024	Jan	19	(Fri)	12:44		72	19:21		91S	01:05		286
2024	Jan	20	(Sat)	13:27		67	20:13		86N	02:03		291
2024	Jan	21	(Sun)	14:15		63	21:07		83N	03:02		296
2024	Jan	22	(Mon)	15:06		61	22:02		81N	04:01		299
2024	Jan	23	(Tue)	16:00		60	22:57		81N	04:59		300

2024	Jan	24	(Wed)	16:56	61	23:51	83N	05:53	299
2024	Jan	25	(Thu)	17:52	64			06:42	297
2024	Jan	26	(Fri)	18:46	68	00:41	86N	07:26	294
2024	Jan	27	(Sat)	19:38	73	01:28	90N	08:06	290
2024	Jan	28	(Sun)	20:27	78	02:12	87S	08:41	284
2024	Jan	29	(Mon)	21:15	84	02:53	81S	09:14	279
2024	Jan	30	(Tue)	22:02	90	03:32	76S	09:45	273
2024	Jan	31	(Wed)	22:49	96	04:11	70S	10:16	267
2024	Feb	01	(Thu)	23:38	102	04:50	64S	10:48	261
2024	Feb	02	(Fri)			05:31	59S	11:21	255
2024	Feb	03	(Sat)	00:29	108	06:15	53S	11:58	250
2024	Feb	04	(Sun)	01:23	113	07:03	49S	12:40	245
2024	Feb	05	(Mon)	02:22	117	07:56	45S	13:29	242
2024	Feb	06	(Tue)	03:23	119	08:55	43S	14:25	240
2024	Feb	07	(Wed)	04:26	120	09:56	43S	15:28	240
2024	Feb	08	(Thu)	05:26	119	11:00	45S	16:35	243
2024	Feb	09	(Fri)	06:23	115	12:02	49S	17:44	247
2024	Feb	10	(Sat)	07:13	109	13:00	54S	18:51	254
2024	Feb	11	(Sun)	07:59	103	13:55	61S	19:55	261
2024	Feb	12	(Mon)	08:41	95	14:47	69S	20:57	269
2024	Feb	13	(Tue)	09:21	87	15:37	76S	21:57	276
2024	Feb	14	(Wed)	10:01	80	16:26	83S	22:56	283
2024	Feb	15	(Thu)	10:42	73	17:17	89S	23:56	290
2024	Feb	16	(Fri)	11:25	68	18:09	87N		
2024	Feb	17	(Sat)	12:12	64	19:03	84N	00:56	295
2024	Feb	18	(Sun)	13:02	61	19:58	81N	01:56	298
2024	Feb	19	(Mon)	13:56	60	20:53	81N	02:55	300
2024	Feb	20	(Tue)	14:51	61	21:46	82N	03:49	300
2024	Feb	21	(Wed)	15:47	63	22:37	85N	04:40	298
2024	Feb	22	(Thu)	16:41	66	23:25	88N	05:25	295
2024	Feb	23	(Fri)	17:33	71			06:05	291
2024	Feb	24	(Sat)	18:23	76	00:10	89S	06:42	286
2024	Feb	25	(Sun)	19:11	82	00:51	83S	07:15	281
2024	Feb	26	(Mon)	19:58	88	01:31	78S	07:47	275
2024	Feb	27	(Tue)	20:45	94	02:10	72S	08:18	269
2024	Feb	28	(Wed)	21:33	100	02:49	66S	08:49	263
2024	Feb	29	(Thu)	22:23	106	03:29	60S	09:21	257
2024	Mar	01	(Fri)	23:15	111	04:11	55S	09:56	251
2024	Mar	02	(Sat)			04:57	50S	10:36	247
2024	Mar	03	(Sun)	00:11	116	05:47	46S	11:21	243
2024	Mar	04	(Mon)	01:09	119	06:41	44S	12:12	240
2024	Mar	05	(Tue)	02:10	120	07:40	43S	13:10	240
2024	Mar	06	(Wed)	03:09	120	08:41	44S	14:13	241
2024	Mar	07	(Thu)	04:06	117	09:42	46S	15:20	245
2024	Mar	08	(Fri)	04:59	113	10:41	51S	16:26	250
2024	Mar	09	(Sat)	05:46	107	11:37	57S	17:32	257
2024	Mar	10	(Sun)	06:30	99	12:30	65S	18:35	264
2024	Mar	11	(Mon)	07:12	91	13:22	72S	19:38	272
2024	Mar	12	(Tue)	07:53	84	14:13	80S	20:39	280
2024	Mar	13	(Wed)	08:34	76	15:05	87S	21:41	287
2024	Mar	14	(Thu)	09:18	70	15:59	89N	22:44	293
2024	Mar	15	(Fri)	10:05	65	16:54	85N	23:46	297
2024	Mar	16	(Sat)	10:56	61	17:50	82N		
2024	Mar	17	(Sun)	11:49	60	18:47	81N	00:47	300
2024	Mar	18	(Mon)	12:45	60	19:42	81N	01:45	300
2024	Mar	19	(Tue)	13:41	62	20:34	84N	02:37	299
2024	Mar	20	(Wed)	14:36	65	21:23	87N	03:24	297
2024	Mar	21	(Thu)	15:29	69	22:08	90S	04:06	293
2024	Mar	22	(Fri)	16:19	75	22:50	85S	04:43	288
2024	Mar	23	(Sat)	17:08	80	23:31	80S	05:17	283
2024	Mar	24	(Sun)	17:55	86			05:49	277
2024	Mar	25	(Mon)	18:42	92	00:10	74S	06:20	271
2024	Mar	26	(Tue)	19:30	99	00:49	68S	06:51	265
2024	Mar	27	(Wed)	20:19	104	01:28	62S	07:23	259
2024	Mar	28	(Thu)	21:11	110	02:10	57S	07:57	253
2024	Mar	29	(Fri)	22:05	114	02:55	52S	08:35	248
2024	Mar	30	(Sat)	23:02	118	03:43	47S	09:18	244
2024	Mar	31	(Sun)			04:35	44S	10:06	241
2024	Apr	01	(Mon)	00:01	120	05:31	43S	11:01	240
2024	Apr	02	(Tue)	01:00	120	06:30	43S	12:00	240
2024	Apr	03	(Wed)	01:56	119	07:29	45S	13:03	243
2024	Apr	04	(Thu)	02:48	115	08:26	49S	14:08	247

2024 Apr 05 (Fri)	03:36 110	09:22 54S	15:12 253
2024 Apr 06 (Sat)	04:20 103	10:15 61S	16:14 260
2024 Apr 07 (Sun)	05:02 96	11:06 68S	17:16 268
2024 Apr 08 (Mon)	05:42 88	11:57 76S	18:18 276
2024 Apr 09 (Tue)	06:24 80	12:49 83S	19:20 284
2024 Apr 10 (Wed)	07:07 73	13:43 90S	20:24 290
2024 Apr 11 (Thu)	07:53 67	14:39 87N	21:29 295
2024 Apr 12 (Fri)	08:44 63	15:37 83N	22:33 299
2024 Apr 13 (Sat)	09:38 60	16:35 81N	23:34 300
2024 Apr 14 (Sun)	10:35 60	17:33 81N	
2024 Apr 15 (Mon)	11:33 61	18:28 83N	00:30 300
2024 Apr 16 (Tue)	12:29 64	19:18 86N	01:20 298
2024 Apr 17 (Wed)	13:23 68	20:05 90N	02:04 294
2024 Apr 18 (Thu)	14:15 73	20:49 87S	02:43 290
2024 Apr 19 (Fri)	15:04 78	21:29 82S	03:18 284
2024 Apr 20 (Sat)	15:52 84	22:09 76S	03:51 279
2024 Apr 21 (Sun)	16:39 90	22:48 70S	04:22 273
2024 Apr 22 (Mon)	17:26 96	23:27 64S	04:53 267
2024 Apr 23 (Tue)	18:15 102		05:24 261
2024 Apr 24 (Wed)	19:06 108	00:08 58S	05:58 255
2024 Apr 25 (Thu)	20:00 113	00:52 53S	06:35 249
2024 Apr 26 (Fri)	20:57 117	01:40 49S	07:16 245
2024 Apr 27 (Sat)	21:56 120	02:31 45S	08:03 242
2024 Apr 28 (Sun)	22:54 120	03:26 43S	08:56 240
2024 Apr 29 (Mon)	23:51 119	04:24 43S	09:54 240
2024 Apr 30 (Tue)		05:22 44S	10:55 242
2024 May 01 (Wed)	00:44 116	06:19 47S	11:58 246
2024 May 02 (Thu)	01:31 112	07:14 52S	13:00 251
2024 May 03 (Fri)	02:15 106	08:06 58S	14:01 257
2024 May 04 (Sat)	02:56 99	08:56 65S	15:01 265
2024 May 05 (Sun)	03:36 91	09:45 72S	16:00 272
2024 May 06 (Mon)	04:15 84	10:35 79S	17:01 280
2024 May 07 (Tue)	04:56 77	11:27 86S	18:03 287
2024 May 08 (Wed)	05:41 70	12:22 89N	19:07 293
2024 May 09 (Thu)	06:29 65	13:19 85N	20:13 297
2024 May 10 (Fri)	07:23 61	14:19 82N	21:17 300
2024 May 11 (Sat)	08:20 60	15:19 81N	22:17 300
2024 May 12 (Sun)	09:19 60	16:16 82N	23:11 299
2024 May 13 (Mon)	10:18 63	17:10 84N	23:58 296
2024 May 14 (Tue)	11:14 66	17:59 88N	
2024 May 15 (Wed)	12:07 71	18:44 89S	00:40 291
2024 May 16 (Thu)	12:58 76	19:26 84S	01:17 286
2024 May 17 (Fri)	13:46 82	20:06 78S	01:51 281
2024 May 18 (Sat)	14:33 88	20:45 72S	02:22 275
2024 May 19 (Sun)	15:20 94	21:24 66S	02:53 269
2024 May 20 (Mon)	16:09 100	22:05 60S	03:24 263
2024 May 21 (Tue)	16:59 106	22:48 55S	03:57 257
2024 May 22 (Wed)	17:52 111	23:34 50S	04:33 251
2024 May 23 (Thu)	18:49 116		05:13 247
2024 May 24 (Fri)	19:48 119	00:25 46S	05:59 243
2024 May 25 (Sat)	20:48 120	01:20 44S	06:51 240
2024 May 26 (Sun)	21:46 120	02:18 43S	07:48 240
2024 May 27 (Mon)	22:40 117	03:17 44S	08:49 241
2024 May 28 (Tue)	23:30 113	04:15 46S	09:52 244
2024 May 29 (Wed)		05:10 51S	10:54 249
2024 May 30 (Thu)	00:14 108	06:02 56S	11:55 255
2024 May 31 (Fri)	00:55 101	06:52 63S	12:53 262
2024 Jun 01 (Sat)	01:34 94	07:40 70S	13:51 270
2024 Jun 02 (Sun)	02:12 87	08:28 77S	14:49 277
2024 Jun 03 (Mon)	02:51 79	09:18 84S	15:49 284
2024 Jun 04 (Tue)	03:33 73	10:09 90S	16:51 291
2024 Jun 05 (Wed)	04:19 67	11:05 86N	17:55 295
2024 Jun 06 (Thu)	05:09 63	12:03 83N	18:59 299
2024 Jun 07 (Fri)	06:05 60	13:03 81N	20:01 300
2024 Jun 08 (Sat)	07:04 60	14:02 81N	20:58 299
2024 Jun 09 (Sun)	08:04 62	14:58 83N	21:50 297
2024 Jun 10 (Mon)	09:02 65	15:50 86N	22:34 293
2024 Jun 11 (Tue)	09:57 69	16:38 91S	23:14 288
2024 Jun 12 (Wed)	10:50 74	17:21 86S	23:49 283
2024 Jun 13 (Thu)	11:39 80	18:02 80S	
2024 Jun 14 (Fri)	12:27 86	18:41 74S	00:21 277
2024 Jun 15 (Sat)	13:13 92	19:20 68S	00:52 271

2024 Jun 16 (Sun)	14:01 98	20:00 63S	01:23 265
2024 Jun 17 (Mon)	14:50 104	20:42 57S	01:55 259
2024 Jun 18 (Tue)	15:42 109	21:27 52S	02:30 253
2024 Jun 19 (Wed)	16:37 114	22:16 48S	03:08 248
2024 Jun 20 (Thu)	17:36 118	23:09 45S	03:51 244
2024 Jun 21 (Fri)	18:37 120		04:41 241
2024 Jun 22 (Sat)	19:37 120	00:07 43S	05:37 240
2024 Jun 23 (Sun)	20:34 118	01:07 43S	06:39 241
2024 Jun 24 (Mon)	21:26 114	02:07 45S	07:43 243
2024 Jun 25 (Tue)	22:13 109	03:05 49S	08:47 248
2024 Jun 26 (Wed)	22:55 103	03:59 55S	09:49 254
2024 Jun 27 (Thu)	23:35 96	04:50 61S	10:49 260
2024 Jun 28 (Fri)		05:38 68S	11:47 268
2024 Jun 29 (Sat)	00:13 89	06:26 75S	12:44 275
2024 Jun 30 (Sun)	00:51 81	07:14 82S	13:42 282
2024 Jul 01 (Mon)	01:31 75	08:04 88S	14:42 289
2024 Jul 02 (Tue)	02:14 69	08:56 88N	15:43 294
2024 Jul 03 (Wed)	03:02 64	09:52 84N	16:46 298
2024 Jul 04 (Thu)	03:54 61	10:50 82N	17:48 300
2024 Jul 05 (Fri)	04:51 60	11:49 81N	18:47 300
2024 Jul 06 (Sat)	05:51 61	12:47 82N	19:40 298
2024 Jul 07 (Sun)	06:50 63	13:40 85N	20:28 295
2024 Jul 08 (Mon)	07:47 67	14:30 89N	21:09 290
2024 Jul 09 (Tue)	08:40 72	15:15 88S	21:46 285
2024 Jul 10 (Wed)	09:31 78	15:58 82S	22:20 279
2024 Jul 11 (Thu)	10:20 84	16:38 76S	22:51 273
2024 Jul 12 (Fri)	11:07 90	17:16 71S	23:22 267
2024 Jul 13 (Sat)	11:54 96	17:55 65S	23:53 261
2024 Jul 14 (Sun)	12:42 102	18:36 59S	
2024 Jul 15 (Mon)	13:32 107	19:19 54S	00:26 256
2024 Jul 16 (Tue)	14:25 112	20:05 49S	01:02 250
2024 Jul 17 (Wed)	15:22 116	20:57 46S	01:43 246
2024 Jul 18 (Thu)	16:21 119	21:53 43S	02:30 242
2024 Jul 19 (Fri)	17:22 120	22:52 43S	03:23 240
2024 Jul 20 (Sat)	18:21 119	23:53 44S	04:23 240
2024 Jul 21 (Sun)	19:16 116		05:27 242
2024 Jul 22 (Mon)	20:06 111	00:53 47S	06:32 246
2024 Jul 23 (Tue)	20:52 105	01:50 52S	07:37 251
2024 Jul 24 (Wed)	21:33 98	02:43 59S	08:39 258
2024 Jul 25 (Thu)	22:12 91	03:34 66S	09:40 265
2024 Jul 26 (Fri)	22:51 83	04:23 73S	10:38 273
2024 Jul 27 (Sat)	23:30 76	05:11 80S	11:37 280
2024 Jul 28 (Sun)		06:01 86S	12:36 287
2024 Jul 29 (Mon)	00:13 70	06:53 89N	13:37 293
2024 Jul 30 (Tue)	00:59 65	07:47 85N	14:39 297
2024 Jul 31 (Wed)	01:49 62	08:44 82N	15:41 300
2024 Aug 01 (Thu)	02:44 60	09:42 81N	16:40 300
2024 Aug 02 (Fri)	03:42 60	10:39 82N	17:34 299
2024 Aug 03 (Sat)	04:40 62	11:33 84N	18:23 296
2024 Aug 04 (Sun)	05:38 66	12:24 87N	19:06 292
2024 Aug 05 (Mon)	06:32 70	13:11 89S	19:45 287
2024 Aug 06 (Tue)	07:24 76	13:54 84S	20:19 281
2024 Aug 07 (Wed)	08:13 81	14:34 78S	20:51 276
2024 Aug 08 (Thu)	09:01 87	15:14 73S	21:22 269
2024 Aug 09 (Fri)	09:48 94	15:52 67S	21:53 263
2024 Aug 10 (Sat)	10:35 100	16:32 61S	22:25 258
2024 Aug 11 (Sun)	11:24 105	17:13 56S	22:59 252
2024 Aug 12 (Mon)	12:15 111	17:57 51S	23:37 247
2024 Aug 13 (Tue)	13:09 115	18:46 47S	
2024 Aug 14 (Wed)	14:06 118	19:39 44S	00:20 243
2024 Aug 15 (Thu)	15:06 120	20:36 43S	01:09 241
2024 Aug 16 (Fri)	16:05 120	21:35 43S	02:05 240
2024 Aug 17 (Sat)	17:02 118	22:36 46S	03:07 241
2024 Aug 18 (Sun)	17:54 114	23:34 50S	04:12 244
2024 Aug 19 (Mon)	18:42 108		05:18 248
2024 Aug 20 (Tue)	19:26 101	00:30 56S	06:22 255
2024 Aug 21 (Wed)	20:08 94	01:23 62S	07:25 262
2024 Aug 22 (Thu)	20:47 86	02:14 70S	08:26 270
2024 Aug 23 (Fri)	21:28 79	03:05 77S	09:27 278
2024 Aug 24 (Sat)	22:10 72	03:55 84S	10:28 285
2024 Aug 25 (Sun)	22:56 66	04:48 91S	11:30 291
2024 Aug 26 (Mon)	23:45 62	05:42 86N	12:33 296

2024 Aug 27 (Tue)		06:39 83N	13:35 299
2024 Aug 28 (Wed)	00:39 60	07:37 81N	14:35 300
2024 Aug 29 (Thu)	01:36 60	08:34 81N	15:31 300
2024 Aug 30 (Fri)	02:34 61	09:29 83N	16:21 297
2024 Aug 31 (Sat)	03:32 64	10:20 86N	17:05 294
2024 Sep 01 (Sun)	04:27 68	11:08 90N	17:45 289
2024 Sep 02 (Mon)	05:19 74	11:52 86S	18:20 283
2024 Sep 03 (Tue)	06:09 79	12:33 80S	18:53 278
2024 Sep 04 (Wed)	06:57 85	13:12 75S	19:24 272
2024 Sep 05 (Thu)	07:44 92	13:51 69S	19:54 265
2024 Sep 06 (Fri)	08:31 98	14:30 63S	20:25 259
2024 Sep 07 (Sat)	09:19 104	15:10 57S	20:58 254
2024 Sep 08 (Sun)	10:09 109	15:53 52S	21:35 249
2024 Sep 09 (Mon)	11:01 114	16:39 48S	22:15 245
2024 Sep 10 (Tue)	11:56 117	17:29 45S	23:01 241
2024 Sep 11 (Wed)	12:53 120	18:23 43S	23:52 240
2024 Sep 12 (Thu)	13:51 121	19:20 43S	
2024 Sep 13 (Fri)	14:47 119	20:19 44S	00:50 240
2024 Sep 14 (Sat)	15:41 116	21:17 47S	01:52 242
2024 Sep 15 (Sun)	16:30 111	22:13 52S	02:56 246
2024 Sep 16 (Mon)	17:16 105	23:08 59S	04:01 251
2024 Sep 17 (Tue)	17:58 98	24:00 66S	05:04 258
2024 Sep 18 (Wed)	18:39 90		06:07 266
2024 Sep 19 (Thu)	19:20 82	00:51 74S	07:09 274
2024 Sep 20 (Fri)	20:03 75	01:43 81S	08:12 282
2024 Sep 21 (Sat)	20:49 68	02:37 88S	09:16 289
2024 Sep 22 (Sun)	21:38 64	03:32 88N	10:21 294
2024 Sep 23 (Mon)	22:33 61	04:30 83N	11:25 298
2024 Sep 24 (Tue)	23:30 60	05:30 81N	12:28 300
2024 Sep 25 (Wed)		06:29 81N	13:26 300
2024 Sep 26 (Thu)	00:29 60	07:25 82N	14:19 298
2024 Sep 27 (Fri)	01:27 63	08:18 85N	15:05 295
2024 Sep 28 (Sat)	02:22 67	09:06 89N	15:45 291
2024 Sep 29 (Sun)	03:15 72	09:51 88S	16:22 285
2024 Sep 30 (Mon)	04:06 77	10:32 82S	16:55 280
2024 Oct 01 (Tue)	04:54 83	11:12 77S	17:26 274
2024 Oct 02 (Wed)	05:41 90	11:51 71S	17:57 267
2024 Oct 03 (Thu)	06:28 96	12:30 65S	18:28 261
2024 Oct 04 (Fri)	07:15 102	13:09 59S	19:00 256
2024 Oct 05 (Sat)	08:05 107	13:51 54S	19:35 250
2024 Oct 06 (Sun)	08:56 112	14:36 49S	20:14 246
2024 Oct 07 (Mon)	09:50 116	15:25 46S	20:57 242
2024 Oct 08 (Tue)	10:46 119	16:16 43S	21:46 240
2024 Oct 09 (Wed)	11:42 120	17:11 43S	22:40 240
2024 Oct 10 (Thu)	12:38 120	18:08 43S	23:39 241
2024 Oct 11 (Fri)	13:31 118	19:04 46S	
2024 Oct 12 (Sat)	14:20 114	20:00 50S	00:40 244
2024 Oct 13 (Sun)	15:06 108	20:53 55S	01:42 248
2024 Oct 14 (Mon)	15:48 102	21:45 62S	02:44 255
2024 Oct 15 (Tue)	16:29 94	22:35 69S	03:46 262
2024 Oct 16 (Wed)	17:09 86	23:27 77S	04:47 270
2024 Oct 17 (Thu)	17:51 79		05:49 278
2024 Oct 18 (Fri)	18:36 72	00:20 85S	06:53 285
2024 Oct 19 (Sat)	19:26 66	01:15 90N	08:00 292
2024 Oct 20 (Sun)	20:20 62	02:14 85N	09:07 297
2024 Oct 21 (Mon)	21:18 60	03:15 82N	10:13 300
2024 Oct 22 (Tue)	22:18 60	04:17 81N	11:16 300
2024 Oct 23 (Wed)	23:18 62	05:16 81N	12:12 299
2024 Oct 24 (Thu)		06:12 84N	13:02 296
2024 Oct 25 (Fri)	00:16 66	07:02 87N	13:45 292
2024 Oct 26 (Sat)	01:11 70	07:49 89S	14:23 287
2024 Oct 27 (Sun)	02:02 76	08:31 84S	14:57 281
2024 Oct 28 (Mon)	02:51 81	09:12 78S	15:28 276
2024 Oct 29 (Tue)	03:38 87	09:50 73S	15:59 269
2024 Oct 30 (Wed)	04:25 94	10:29 67S	16:30 263
2024 Oct 31 (Thu)	05:12 100	11:09 61S	17:02 257
2024 Nov 01 (Fri)	06:01 105	11:50 56S	17:36 252
2024 Nov 02 (Sat)	06:52 111	12:34 51S	18:13 247
2024 Nov 03 (Sun)	07:45 115	13:22 47S	18:56 243
2024 Nov 04 (Mon)	08:41 118	14:13 44S	19:43 241
2024 Nov 05 (Tue)	09:37 120	15:07 43S	20:36 240
2024 Nov 06 (Wed)	10:33 120	16:02 43S	21:33 240

2024 Nov 07 (Thu)	11:26 119	16:58 45S	22:32 243
2024 Nov 08 (Fri)	12:15 115	17:52 48S	23:32 247
2024 Nov 09 (Sat)	13:01 110	18:45 53S	
2024 Nov 10 (Sun)	13:43 104	19:35 59S	00:32 252
2024 Nov 11 (Mon)	14:22 98	20:24 66S	01:31 259
2024 Nov 12 (Tue)	15:01 90	21:13 73S	02:30 266
2024 Nov 13 (Wed)	15:41 82	22:03 81S	03:30 274
2024 Nov 14 (Thu)	16:24 75	22:57 88S	04:31 281
2024 Nov 15 (Fri)	17:10 69	23:54 88N	05:35 288
2024 Nov 16 (Sat)	18:02 64		06:42 294
2024 Nov 17 (Sun)	19:00 61	00:55 84N	07:51 298
2024 Nov 18 (Mon)	20:01 60	01:58 81N	08:57 300
2024 Nov 19 (Tue)	21:04 61	03:00 81N	09:58 300
2024 Nov 20 (Wed)	22:04 64	03:59 83N	10:53 297
2024 Nov 21 (Thu)	23:02 68	04:54 86N	11:39 294
2024 Nov 22 (Fri)	23:55 74	05:43 90N	12:20 289
2024 Nov 23 (Sat)		06:28 86S	12:56 283
2024 Nov 24 (Sun)	00:45 79	07:09 80S	13:29 278
2024 Nov 25 (Mon)	01:33 85	07:49 75S	14:00 271
2024 Nov 26 (Tue)	02:20 92	08:27 69S	14:31 265
2024 Nov 27 (Wed)	03:07 98	09:06 63S	15:02 259
2024 Nov 28 (Thu)	03:55 104	09:47 57S	15:35 254
2024 Nov 29 (Fri)	04:46 109	10:30 52S	16:12 249
2024 Nov 30 (Sat)	05:39 114	11:17 48S	16:53 245
2024 Dec 01 (Sun)	06:34 117	12:08 45S	17:39 242
2024 Dec 02 (Mon)	07:31 120	13:01 43S	18:31 240
2024 Dec 03 (Tue)	08:28 120	13:57 43S	19:27 240
2024 Dec 04 (Wed)	09:23 119	14:54 44S	20:27 242
2024 Dec 05 (Thu)	10:13 116	15:49 47S	21:27 246
2024 Dec 06 (Fri)	11:00 112	16:41 52S	22:27 251
2024 Dec 07 (Sat)	11:42 106	17:31 57S	23:25 257
2024 Dec 08 (Sun)	12:21 100	18:19 64S	
2024 Dec 09 (Mon)	12:59 93	19:07 71S	00:22 264
2024 Dec 10 (Tue)	13:37 85	19:54 78S	01:19 271
2024 Dec 11 (Wed)	14:16 78	20:45 85S	02:17 278
2024 Dec 12 (Thu)	14:59 71	21:38 90N	03:18 285
2024 Dec 13 (Fri)	15:47 66	22:36 85N	04:22 292
2024 Dec 14 (Sat)	16:42 62	23:37 82N	05:28 296
2024 Dec 15 (Sun)	17:41 60		06:35 299
2024 Dec 16 (Mon)	18:44 60	00:40 81N	07:39 300
2024 Dec 17 (Tue)	19:47 63	01:42 82N	08:38 299
2024 Dec 18 (Wed)	20:47 66	02:40 84N	09:29 295
2024 Dec 19 (Thu)	21:44 71	03:33 88N	10:14 291
2024 Dec 20 (Fri)	22:36 77	04:20 88S	10:52 286
2024 Dec 21 (Sat)	23:26 83	05:04 83S	11:27 280
2024 Dec 22 (Sun)		05:45 77S	11:59 274
2024 Dec 23 (Mon)	00:14 89	06:24 71S	12:30 268
2024 Dec 24 (Tue)	01:01 96	07:03 65S	13:01 262
2024 Dec 25 (Wed)	01:48 101	07:43 59S	13:33 256
2024 Dec 26 (Thu)	02:37 107	08:25 54S	14:09 251
2024 Dec 27 (Fri)	03:29 112	09:10 50S	14:48 246
2024 Dec 28 (Sat)	04:24 116	09:59 46S	15:32 243
2024 Dec 29 (Sun)	05:21 119	10:52 44S	16:22 240
2024 Dec 30 (Mon)	06:18 120	11:48 43S	17:18 240
2024 Dec 31 (Tue)	07:15 120	12:46 44S	18:17 241