

Sun

Nan

Location: E100°43'55.1", N18°41'09.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)			Begin Nautical Twilight	Rise	Az.	Transit	Alt.	Set	Az.	End Nautical Twilight
			h m	h m	°	h m	°	h m	°	h m
2025	Jan	01 (Wed)	05:59	06:50	114	12:21	49S	17:52	246	18:43
2025	Jan	02 (Thu)	05:59	06:50	114	12:21	49S	17:52	246	18:43
2025	Jan	03 (Fri)	05:59	06:50	114	12:22	49S	17:53	246	18:44
2025	Jan	04 (Sat)	06:00	06:51	114	12:22	49S	17:54	246	18:44
2025	Jan	05 (Sun)	06:00	06:51	114	12:22	49S	17:54	246	18:45
2025	Jan	06 (Mon)	06:00	06:51	114	12:23	50S	17:55	247	18:45
2025	Jan	07 (Tue)	06:01	06:51	113	12:23	50S	17:55	247	18:46
2025	Jan	08 (Wed)	06:01	06:52	113	12:24	50S	17:56	247	18:47
2025	Jan	09 (Thu)	06:01	06:52	113	12:24	50S	17:57	247	18:47
2025	Jan	10 (Fri)	06:01	06:52	113	12:25	50S	17:57	247	18:48
2025	Jan	11 (Sat)	06:02	06:52	113	12:25	50S	17:58	247	18:48
2025	Jan	12 (Sun)	06:02	06:52	113	12:25	50S	17:59	247	18:49
2025	Jan	13 (Mon)	06:02	06:52	112	12:26	51S	17:59	248	18:50
2025	Jan	14 (Tue)	06:02	06:53	112	12:26	51S	18:00	248	18:50
2025	Jan	15 (Wed)	06:02	06:53	112	12:26	51S	18:00	248	18:51
2025	Jan	16 (Thu)	06:02	06:53	112	12:27	51S	18:01	248	18:51
2025	Jan	17 (Fri)	06:03	06:53	112	12:27	51S	18:02	248	18:52
2025	Jan	18 (Sat)	06:03	06:53	111	12:27	52S	18:02	249	18:52
2025	Jan	19 (Sun)	06:03	06:53	111	12:28	52S	18:03	249	18:53
2025	Jan	20 (Mon)	06:03	06:53	111	12:28	52S	18:04	249	18:54
2025	Jan	21 (Tue)	06:03	06:53	111	12:28	52S	18:04	249	18:54
2025	Jan	22 (Wed)	06:03	06:53	111	12:29	52S	18:05	250	18:55
2025	Jan	23 (Thu)	06:03	06:52	110	12:29	53S	18:05	250	18:55
2025	Jan	24 (Fri)	06:03	06:52	110	12:29	53S	18:06	250	18:56
2025	Jan	25 (Sat)	06:03	06:52	110	12:29	53S	18:07	250	18:56
2025	Jan	26 (Sun)	06:03	06:52	109	12:30	53S	18:07	251	18:57
2025	Jan	27 (Mon)	06:03	06:52	109	12:30	54S	18:08	251	18:57
2025	Jan	28 (Tue)	06:02	06:52	109	12:30	54S	18:08	251	18:58
2025	Jan	29 (Wed)	06:02	06:52	109	12:30	54S	18:09	251	18:58
2025	Jan	30 (Thu)	06:02	06:51	108	12:30	54S	18:10	252	18:59
2025	Jan	31 (Fri)	06:02	06:51	108	12:30	55S	18:10	252	18:59
2025	Feb	01 (Sat)	06:02	06:51	108	12:31	55S	18:11	252	19:00
2025	Feb	02 (Sun)	06:02	06:50	107	12:31	55S	18:11	253	19:00
2025	Feb	03 (Mon)	06:01	06:50	107	12:31	56S	18:12	253	19:01
2025	Feb	04 (Tue)	06:01	06:50	107	12:31	56S	18:12	253	19:01
2025	Feb	05 (Wed)	06:01	06:49	107	12:31	56S	18:13	254	19:02
2025	Feb	06 (Thu)	06:00	06:49	106	12:31	56S	18:13	254	19:02
2025	Feb	07 (Fri)	06:00	06:49	106	12:31	57S	18:14	254	19:02
2025	Feb	08 (Sat)	06:00	06:48	106	12:31	57S	18:14	255	19:03
2025	Feb	09 (Sun)	05:59	06:48	105	12:31	57S	18:15	255	19:03
2025	Feb	10 (Mon)	05:59	06:47	105	12:31	58S	18:15	255	19:04
2025	Feb	11 (Tue)	05:59	06:47	105	12:31	58S	18:16	256	19:04
2025	Feb	12 (Wed)	05:58	06:47	104	12:31	58S	18:16	256	19:04
2025	Feb	13 (Thu)	05:58	06:46	104	12:31	59S	18:17	256	19:05
2025	Feb	14 (Fri)	05:57	06:46	103	12:31	59S	18:17	257	19:05
2025	Feb	15 (Sat)	05:57	06:45	103	12:31	59S	18:18	257	19:06
2025	Feb	16 (Sun)	05:56	06:44	103	12:31	60S	18:18	257	19:06
2025	Feb	17 (Mon)	05:56	06:44	102	12:31	60S	18:18	258	19:06
2025	Feb	18 (Tue)	05:55	06:43	102	12:31	60S	18:19	258	19:07
2025	Feb	19 (Wed)	05:55	06:43	102	12:31	61S	18:19	259	19:07
2025	Feb	20 (Thu)	05:54	06:42	101	12:31	61S	18:20	259	19:07
2025	Feb	21 (Fri)	05:54	06:42	101	12:31	62S	18:20	259	19:08
2025	Feb	22 (Sat)	05:53	06:41	100	12:31	62S	18:20	260	19:08
2025	Feb	23 (Sun)	05:53	06:40	100	12:30	62S	18:21	260	19:08
2025	Feb	24 (Mon)	05:52	06:40	100	12:30	63S	18:21	260	19:09
2025	Feb	25 (Tue)	05:51	06:39	99	12:30	63S	18:21	261	19:09
2025	Feb	26 (Wed)	05:51	06:38	99	12:30	63S	18:22	261	19:09
2025	Feb	27 (Thu)	05:50	06:38	99	12:30	64S	18:22	262	19:10
2025	Feb	28 (Fri)	05:49	06:37	98	12:30	64S	18:22	262	19:10
2025	Mar	01 (Sat)	05:49	06:36	98	12:29	65S	18:23	262	19:10

2025	Mar	02	(Sun)	05:48	06:35	97	12:29	65S	18:23	263	19:11
2025	Mar	03	(Mon)	05:47	06:35	97	12:29	65S	18:23	263	19:11
2025	Mar	04	(Tue)	05:47	06:34	97	12:29	66S	18:24	264	19:11
2025	Mar	05	(Wed)	05:46	06:33	96	12:29	66S	18:24	264	19:11
2025	Mar	06	(Thu)	05:45	06:33	96	12:28	66S	18:24	265	19:12
2025	Mar	07	(Fri)	05:45	06:32	95	12:28	67S	18:25	265	19:12
2025	Mar	08	(Sat)	05:44	06:31	95	12:28	67S	18:25	265	19:12
2025	Mar	09	(Sun)	05:43	06:30	94	12:28	68S	18:25	266	19:12
2025	Mar	10	(Mon)	05:42	06:29	94	12:27	68S	18:25	266	19:13
2025	Mar	11	(Tue)	05:41	06:29	94	12:27	68S	18:26	267	19:13
2025	Mar	12	(Wed)	05:41	06:28	93	12:27	69S	18:26	267	19:13
2025	Mar	13	(Thu)	05:40	06:27	93	12:27	69S	18:26	267	19:13
2025	Mar	14	(Fri)	05:39	06:26	92	12:26	70S	18:27	268	19:14
2025	Mar	15	(Sat)	05:38	06:25	92	12:26	70S	18:27	268	19:14
2025	Mar	16	(Sun)	05:37	06:25	92	12:26	70S	18:27	269	19:14
2025	Mar	17	(Mon)	05:37	06:24	91	12:25	71S	18:27	269	19:14
2025	Mar	18	(Tue)	05:36	06:23	91	12:25	71S	18:28	269	19:15
2025	Mar	19	(Wed)	05:35	06:22	90	12:25	72S	18:28	270	19:15
2025	Mar	20	(Thu)	05:34	06:21	90	12:25	72S	18:28	270	19:15
2025	Mar	21	(Fri)	05:33	06:20	89	12:24	72S	18:28	271	19:15
2025	Mar	22	(Sat)	05:32	06:20	89	12:24	73S	18:28	271	19:16
2025	Mar	23	(Sun)	05:32	06:19	89	12:24	73S	18:29	272	19:16
2025	Mar	24	(Mon)	05:31	06:18	88	12:23	74S	18:29	272	19:16
2025	Mar	25	(Tue)	05:30	06:17	88	12:23	74S	18:29	272	19:16
2025	Mar	26	(Wed)	05:29	06:16	87	12:23	74S	18:29	273	19:17
2025	Mar	27	(Thu)	05:28	06:15	87	12:22	75S	18:30	273	19:17
2025	Mar	28	(Fri)	05:27	06:15	87	12:22	75S	18:30	274	19:17
2025	Mar	29	(Sat)	05:26	06:14	86	12:22	75S	18:30	274	19:18
2025	Mar	30	(Sun)	05:26	06:13	86	12:22	76S	18:30	274	19:18
2025	Mar	31	(Mon)	05:25	06:12	85	12:21	76S	18:31	275	19:18
2025	Apr	01	(Tue)	05:24	06:11	85	12:21	77S	18:31	275	19:18
2025	Apr	02	(Wed)	05:23	06:11	85	12:21	77S	18:31	276	19:19
2025	Apr	03	(Thu)	05:22	06:10	84	12:20	77S	18:31	276	19:19
2025	Apr	04	(Fri)	05:21	06:09	84	12:20	78S	18:32	277	19:19
2025	Apr	05	(Sat)	05:20	06:08	83	12:20	78S	18:32	277	19:19
2025	Apr	06	(Sun)	05:20	06:07	83	12:19	79S	18:32	277	19:20
2025	Apr	07	(Mon)	05:19	06:06	83	12:19	79S	18:32	278	19:20
2025	Apr	08	(Tue)	05:18	06:06	82	12:19	79S	18:32	278	19:20
2025	Apr	09	(Wed)	05:17	06:05	82	12:19	80S	18:33	278	19:21
2025	Apr	10	(Thu)	05:16	06:04	81	12:18	80S	18:33	279	19:21
2025	Apr	11	(Fri)	05:15	06:03	81	12:18	80S	18:33	279	19:21
2025	Apr	12	(Sat)	05:14	06:03	81	12:18	81S	18:33	280	19:22
2025	Apr	13	(Sun)	05:14	06:02	80	12:18	81S	18:34	280	19:22
2025	Apr	14	(Mon)	05:13	06:01	80	12:17	82S	18:34	280	19:22
2025	Apr	15	(Tue)	05:12	06:00	79	12:17	82S	18:34	281	19:23
2025	Apr	16	(Wed)	05:11	06:00	79	12:17	82S	18:34	281	19:23
2025	Apr	17	(Thu)	05:10	05:59	79	12:17	83S	18:35	282	19:23
2025	Apr	18	(Fri)	05:10	05:58	78	12:16	83S	18:35	282	19:24
2025	Apr	19	(Sat)	05:09	05:57	78	12:16	83S	18:35	282	19:24
2025	Apr	20	(Sun)	05:08	05:57	78	12:16	84S	18:36	283	19:24
2025	Apr	21	(Mon)	05:07	05:56	77	12:16	84S	18:36	283	19:25
2025	Apr	22	(Tue)	05:06	05:55	77	12:16	84S	18:36	283	19:25
2025	Apr	23	(Wed)	05:06	05:55	76	12:15	85S	18:36	284	19:25
2025	Apr	24	(Thu)	05:05	05:54	76	12:15	85S	18:37	284	19:26
2025	Apr	25	(Fri)	05:04	05:53	76	12:15	85S	18:37	284	19:26
2025	Apr	26	(Sat)	05:03	05:53	75	12:15	86S	18:37	285	19:27
2025	Apr	27	(Sun)	05:03	05:52	75	12:15	86S	18:38	285	19:27
2025	Apr	28	(Mon)	05:02	05:51	75	12:15	86S	18:38	285	19:27
2025	Apr	29	(Tue)	05:01	05:51	74	12:14	87S	18:38	286	19:28
2025	Apr	30	(Wed)	05:01	05:50	74	12:14	87S	18:39	286	19:28
2025	May	01	(Thu)	05:00	05:50	74	12:14	87S	18:39	286	19:29
2025	May	02	(Fri)	04:59	05:49	73	12:14	87S	18:39	287	19:29
2025	May	03	(Sat)	04:59	05:49	73	12:14	88S	18:40	287	19:30
2025	May	04	(Sun)	04:58	05:48	73	12:14	88S	18:40	287	19:30
2025	May	05	(Mon)	04:57	05:48	73	12:14	88S	18:40	288	19:30
2025	May	06	(Tue)	04:57	05:47	72	12:14	89S	18:41	288	19:31
2025	May	07	(Wed)	04:56	05:47	72	12:14	89S	18:41	288	19:31
2025	May	08	(Thu)	04:56	05:46	72	12:14	89S	18:41	289	19:32
2025	May	09	(Fri)	04:55	05:46	71	12:14	89S	18:42	289	19:32
2025	May	10	(Sat)	04:55	05:45	71	12:13	90S	18:42	289	19:33
2025	May	11	(Sun)	04:54	05:45	71	12:13	90S	18:42	289	19:33
2025	May	12	(Mon)	04:54	05:44	71	12:13	90S	18:43	290	19:34

2025	May	13	(Tue)	04:53	05:44	70	12:13	90S	18:43	290	19:34
2025	May	14	(Wed)	04:53	05:44	70	12:13	91N	18:44	290	19:35
2025	May	15	(Thu)	04:52	05:43	70	12:13	90N	18:44	290	19:35
2025	May	16	(Fri)	04:52	05:43	69	12:13	90N	18:44	291	19:35
2025	May	17	(Sat)	04:51	05:42	69	12:13	90N	18:45	291	19:36
2025	May	18	(Sun)	04:51	05:42	69	12:13	90N	18:45	291	19:36
2025	May	19	(Mon)	04:50	05:42	69	12:14	90N	18:45	291	19:37
2025	May	20	(Tue)	04:50	05:42	69	12:14	89N	18:46	292	19:37
2025	May	21	(Wed)	04:50	05:41	68	12:14	89N	18:46	292	19:38
2025	May	22	(Thu)	04:49	05:41	68	12:14	89N	18:47	292	19:38
2025	May	23	(Fri)	04:49	05:41	68	12:14	89N	18:47	292	19:39
2025	May	24	(Sat)	04:49	05:41	68	12:14	89N	18:47	292	19:39
2025	May	25	(Sun)	04:49	05:40	68	12:14	88N	18:48	293	19:40
2025	May	26	(Mon)	04:48	05:40	67	12:14	88N	18:48	293	19:40
2025	May	27	(Tue)	04:48	05:40	67	12:14	88N	18:48	293	19:41
2025	May	28	(Wed)	04:48	05:40	67	12:14	88N	18:49	293	19:41
2025	May	29	(Thu)	04:48	05:40	67	12:14	88N	18:49	293	19:42
2025	May	30	(Fri)	04:47	05:40	67	12:15	88N	18:50	293	19:42
2025	May	31	(Sat)	04:47	05:40	66	12:15	87N	18:50	294	19:43
2025	Jun	01	(Sun)	04:47	05:40	66	12:15	87N	18:50	294	19:43
2025	Jun	02	(Mon)	04:47	05:40	66	12:15	87N	18:51	294	19:43
2025	Jun	03	(Tue)	04:47	05:39	66	12:15	87N	18:51	294	19:44
2025	Jun	04	(Wed)	04:47	05:39	66	12:15	87N	18:51	294	19:44
2025	Jun	05	(Thu)	04:47	05:39	66	12:16	87N	18:52	294	19:45
2025	Jun	06	(Fri)	04:47	05:39	66	12:16	87N	18:52	294	19:45
2025	Jun	07	(Sat)	04:47	05:39	66	12:16	87N	18:53	294	19:45
2025	Jun	08	(Sun)	04:47	05:40	65	12:16	87N	18:53	295	19:46
2025	Jun	09	(Mon)	04:47	05:40	65	12:16	86N	18:53	295	19:46
2025	Jun	10	(Tue)	04:47	05:40	65	12:17	86N	18:54	295	19:47
2025	Jun	11	(Wed)	04:47	05:40	65	12:17	86N	18:54	295	19:47
2025	Jun	12	(Thu)	04:47	05:40	65	12:17	86N	18:54	295	19:47
2025	Jun	13	(Fri)	04:47	05:40	65	12:17	86N	18:54	295	19:48
2025	Jun	14	(Sat)	04:47	05:40	65	12:17	86N	18:55	295	19:48
2025	Jun	15	(Sun)	04:47	05:40	65	12:18	86N	18:55	295	19:48
2025	Jun	16	(Mon)	04:47	05:40	65	12:18	86N	18:55	295	19:48
2025	Jun	17	(Tue)	04:47	05:40	65	12:18	86N	18:56	295	19:49
2025	Jun	18	(Wed)	04:47	05:41	65	12:18	86N	18:56	295	19:49
2025	Jun	19	(Thu)	04:48	05:41	65	12:18	86N	18:56	295	19:49
2025	Jun	20	(Fri)	04:48	05:41	65	12:19	86N	18:56	295	19:50
2025	Jun	21	(Sat)	04:48	05:41	65	12:19	86N	18:57	295	19:50
2025	Jun	22	(Sun)	04:48	05:41	65	12:19	86N	18:57	295	19:50
2025	Jun	23	(Mon)	04:49	05:42	65	12:19	86N	18:57	295	19:50
2025	Jun	24	(Tue)	04:49	05:42	65	12:20	86N	18:57	295	19:50
2025	Jun	25	(Wed)	04:49	05:42	65	12:20	86N	18:57	295	19:50
2025	Jun	26	(Thu)	04:49	05:42	65	12:20	86N	18:57	295	19:51
2025	Jun	27	(Fri)	04:50	05:43	65	12:20	86N	18:58	295	19:51
2025	Jun	28	(Sat)	04:50	05:43	65	12:20	86N	18:58	295	19:51
2025	Jun	29	(Sun)	04:50	05:43	65	12:21	86N	18:58	295	19:51
2025	Jun	30	(Mon)	04:51	05:44	65	12:21	86N	18:58	295	19:51
2025	Jul	01	(Tue)	04:51	05:44	65	12:21	86N	18:58	295	19:51
2025	Jul	02	(Wed)	04:51	05:44	65	12:21	86N	18:58	295	19:51
2025	Jul	03	(Thu)	04:52	05:45	65	12:21	86N	18:58	295	19:51
2025	Jul	04	(Fri)	04:52	05:45	65	12:22	87N	18:58	294	19:51
2025	Jul	05	(Sat)	04:52	05:45	66	12:22	87N	18:58	294	19:51
2025	Jul	06	(Sun)	04:53	05:46	66	12:22	87N	18:58	294	19:51
2025	Jul	07	(Mon)	04:53	05:46	66	12:22	87N	18:58	294	19:51
2025	Jul	08	(Tue)	04:53	05:46	66	12:22	87N	18:58	294	19:51
2025	Jul	09	(Wed)	04:54	05:47	66	12:22	87N	18:58	294	19:51
2025	Jul	10	(Thu)	04:54	05:47	66	12:22	87N	18:58	294	19:51
2025	Jul	11	(Fri)	04:55	05:47	66	12:23	87N	18:58	294	19:50
2025	Jul	12	(Sat)	04:55	05:48	66	12:23	87N	18:58	293	19:50
2025	Jul	13	(Sun)	04:56	05:48	67	12:23	88N	18:58	293	19:50
2025	Jul	14	(Mon)	04:56	05:48	67	12:23	88N	18:58	293	19:50
2025	Jul	15	(Tue)	04:56	05:49	67	12:23	88N	18:57	293	19:50
2025	Jul	16	(Wed)	04:57	05:49	67	12:23	88N	18:57	293	19:49
2025	Jul	17	(Thu)	04:57	05:49	67	12:23	88N	18:57	293	19:49
2025	Jul	18	(Fri)	04:58	05:50	67	12:23	88N	18:57	292	19:49
2025	Jul	19	(Sat)	04:58	05:50	68	12:23	89N	18:57	292	19:49
2025	Jul	20	(Sun)	04:59	05:50	68	12:23	89N	18:56	292	19:48
2025	Jul	21	(Mon)	04:59	05:51	68	12:24	89N	18:56	292	19:48
2025	Jul	22	(Tue)	04:59	05:51	68	12:24	89N	18:56	292	19:47
2025	Jul	23	(Wed)	05:00	05:51	68	12:24	89N	18:56	291	19:47

2025	Jul	24	(Thu)	05:00	05:52	69	12:24	90N	18:55	291	19:47
2025	Jul	25	(Fri)	05:01	05:52	69	12:24	90N	18:55	291	19:46
2025	Jul	26	(Sat)	05:01	05:53	69	12:24	90N	18:55	291	19:46
2025	Jul	27	(Sun)	05:02	05:53	69	12:24	90N	18:54	290	19:45
2025	Jul	28	(Mon)	05:02	05:53	70	12:24	90N	18:54	290	19:45
2025	Jul	29	(Tue)	05:02	05:54	70	12:24	91S	18:53	290	19:44
2025	Jul	30	(Wed)	05:03	05:54	70	12:24	90S	18:53	290	19:44
2025	Jul	31	(Thu)	05:03	05:54	70	12:24	90S	18:53	289	19:43
2025	Aug	01	(Fri)	05:04	05:55	71	12:23	90S	18:52	289	19:43
2025	Aug	02	(Sat)	05:04	05:55	71	12:23	90S	18:52	289	19:42
2025	Aug	03	(Sun)	05:05	05:55	71	12:23	89S	18:51	289	19:42
2025	Aug	04	(Mon)	05:05	05:55	71	12:23	89S	18:51	288	19:41
2025	Aug	05	(Tue)	05:05	05:56	72	12:23	89S	18:50	288	19:41
2025	Aug	06	(Wed)	05:06	05:56	72	12:23	89S	18:50	288	19:40
2025	Aug	07	(Thu)	05:06	05:56	72	12:23	88S	18:49	287	19:39
2025	Aug	08	(Fri)	05:07	05:57	73	12:23	88S	18:49	287	19:39
2025	Aug	09	(Sat)	05:07	05:57	73	12:23	88S	18:48	287	19:38
2025	Aug	10	(Sun)	05:07	05:57	73	12:22	88S	18:47	287	19:37
2025	Aug	11	(Mon)	05:08	05:58	74	12:22	87S	18:47	286	19:37
2025	Aug	12	(Tue)	05:08	05:58	74	12:22	87S	18:46	286	19:36
2025	Aug	13	(Wed)	05:08	05:58	74	12:22	87S	18:46	286	19:35
2025	Aug	14	(Thu)	05:09	05:58	75	12:22	86S	18:45	285	19:34
2025	Aug	15	(Fri)	05:09	05:59	75	12:22	86S	18:44	285	19:34
2025	Aug	16	(Sat)	05:10	05:59	75	12:21	86S	18:44	285	19:33
2025	Aug	17	(Sun)	05:10	05:59	76	12:21	85S	18:43	284	19:32
2025	Aug	18	(Mon)	05:10	05:59	76	12:21	85S	18:42	284	19:31
2025	Aug	19	(Tue)	05:11	06:00	76	12:21	85S	18:42	284	19:31
2025	Aug	20	(Wed)	05:11	06:00	77	12:20	84S	18:41	283	19:30
2025	Aug	21	(Thu)	05:11	06:00	77	12:20	84S	18:40	283	19:29
2025	Aug	22	(Fri)	05:11	06:00	77	12:20	84S	18:39	283	19:28
2025	Aug	23	(Sat)	05:12	06:01	78	12:20	83S	18:39	282	19:27
2025	Aug	24	(Sun)	05:12	06:01	78	12:19	83S	18:38	282	19:26
2025	Aug	25	(Mon)	05:12	06:01	78	12:19	83S	18:37	281	19:26
2025	Aug	26	(Tue)	05:13	06:01	79	12:19	82S	18:36	281	19:25
2025	Aug	27	(Wed)	05:13	06:01	79	12:19	82S	18:36	281	19:24
2025	Aug	28	(Thu)	05:13	06:02	79	12:18	82S	18:35	280	19:23
2025	Aug	29	(Fri)	05:14	06:02	80	12:18	81S	18:34	280	19:22
2025	Aug	30	(Sat)	05:14	06:02	80	12:18	81S	18:33	280	19:21
2025	Aug	31	(Sun)	05:14	06:02	81	12:17	81S	18:32	279	19:20
2025	Sep	01	(Mon)	05:14	06:02	81	12:17	80S	18:32	279	19:20
2025	Sep	02	(Tue)	05:15	06:03	81	12:17	80S	18:31	278	19:19
2025	Sep	03	(Wed)	05:15	06:03	82	12:16	79S	18:30	278	19:18
2025	Sep	04	(Thu)	05:15	06:03	82	12:16	79S	18:29	278	19:17
2025	Sep	05	(Fri)	05:15	06:03	83	12:16	79S	18:28	277	19:16
2025	Sep	06	(Sat)	05:16	06:03	83	12:15	78S	18:27	277	19:15
2025	Sep	07	(Sun)	05:16	06:03	83	12:15	78S	18:27	276	19:14
2025	Sep	08	(Mon)	05:16	06:04	84	12:15	78S	18:26	276	19:13
2025	Sep	09	(Tue)	05:16	06:04	84	12:14	77S	18:25	276	19:12
2025	Sep	10	(Wed)	05:16	06:04	85	12:14	77S	18:24	275	19:11
2025	Sep	11	(Thu)	05:17	06:04	85	12:14	76S	18:23	275	19:11
2025	Sep	12	(Fri)	05:17	06:04	85	12:13	76S	18:22	274	19:10
2025	Sep	13	(Sat)	05:17	06:04	86	12:13	76S	18:21	274	19:09
2025	Sep	14	(Sun)	05:17	06:05	86	12:13	75S	18:20	274	19:08
2025	Sep	15	(Mon)	05:17	06:05	87	12:12	75S	18:20	273	19:07
2025	Sep	16	(Tue)	05:18	06:05	87	12:12	75S	18:19	273	19:06
2025	Sep	17	(Wed)	05:18	06:05	87	12:12	74S	18:18	272	19:05
2025	Sep	18	(Thu)	05:18	06:05	88	12:11	74S	18:17	272	19:04
2025	Sep	19	(Fri)	05:18	06:05	88	12:11	73S	18:16	272	19:03
2025	Sep	20	(Sat)	05:18	06:06	89	12:11	73S	18:15	271	19:02
2025	Sep	21	(Sun)	05:19	06:06	89	12:10	73S	18:14	271	19:01
2025	Sep	22	(Mon)	05:19	06:06	89	12:10	72S	18:13	270	19:01
2025	Sep	23	(Tue)	05:19	06:06	90	12:09	72S	18:13	270	19:00
2025	Sep	24	(Wed)	05:19	06:06	90	12:09	71S	18:12	270	18:59
2025	Sep	25	(Thu)	05:19	06:07	91	12:09	71S	18:11	269	18:58
2025	Sep	26	(Fri)	05:20	06:07	91	12:08	71S	18:10	269	18:57
2025	Sep	27	(Sat)	05:20	06:07	91	12:08	70S	18:09	268	18:56
2025	Sep	28	(Sun)	05:20	06:07	92	12:08	70S	18:08	268	18:55
2025	Sep	29	(Mon)	05:20	06:07	92	12:07	70S	18:07	268	18:54
2025	Sep	30	(Tue)	05:20	06:07	93	12:07	69S	18:06	267	18:54
2025	Oct	01	(Wed)	05:20	06:08	93	12:07	69S	18:06	267	18:53
2025	Oct	02	(Thu)	05:21	06:08	93	12:06	68S	18:05	266	18:52
2025	Oct	03	(Fri)	05:21	06:08	94	12:06	68S	18:04	266	18:51

2025	Oct	04	(Sat)	05:21	06:08	94	12:06	68S	18:03	265	18:50
2025	Oct	05	(Sun)	05:21	06:08	95	12:06	67S	18:02	265	18:49
2025	Oct	06	(Mon)	05:21	06:09	95	12:05	67S	18:01	265	18:49
2025	Oct	07	(Tue)	05:22	06:09	96	12:05	66S	18:01	264	18:48
2025	Oct	08	(Wed)	05:22	06:09	96	12:05	66S	18:00	264	18:47
2025	Oct	09	(Thu)	05:22	06:09	96	12:04	66S	17:59	263	18:46
2025	Oct	10	(Fri)	05:22	06:10	97	12:04	65S	17:58	263	18:46
2025	Oct	11	(Sat)	05:23	06:10	97	12:04	65S	17:57	263	18:45
2025	Oct	12	(Sun)	05:23	06:10	98	12:04	65S	17:57	262	18:44
2025	Oct	13	(Mon)	05:23	06:10	98	12:03	64S	17:56	262	18:43
2025	Oct	14	(Tue)	05:23	06:11	98	12:03	64S	17:55	261	18:43
2025	Oct	15	(Wed)	05:23	06:11	99	12:03	63S	17:55	261	18:42
2025	Oct	16	(Thu)	05:24	06:11	99	12:03	63S	17:54	261	18:41
2025	Oct	17	(Fri)	05:24	06:12	99	12:02	63S	17:53	260	18:41
2025	Oct	18	(Sat)	05:24	06:12	100	12:02	62S	17:52	260	18:40
2025	Oct	19	(Sun)	05:24	06:12	100	12:02	62S	17:52	260	18:39
2025	Oct	20	(Mon)	05:25	06:12	101	12:02	62S	17:51	259	18:39
2025	Oct	21	(Tue)	05:25	06:13	101	12:02	61S	17:50	259	18:38
2025	Oct	22	(Wed)	05:25	06:13	101	12:02	61S	17:50	258	18:38
2025	Oct	23	(Thu)	05:26	06:14	102	12:01	61S	17:49	258	18:37
2025	Oct	24	(Fri)	05:26	06:14	102	12:01	60S	17:48	258	18:36
2025	Oct	25	(Sat)	05:26	06:14	102	12:01	60S	17:48	257	18:36
2025	Oct	26	(Sun)	05:27	06:15	103	12:01	59S	17:47	257	18:35
2025	Oct	27	(Mon)	05:27	06:15	103	12:01	59S	17:47	257	18:35
2025	Oct	28	(Tue)	05:27	06:15	104	12:01	59S	17:46	256	18:34
2025	Oct	29	(Wed)	05:28	06:16	104	12:01	58S	17:46	256	18:34
2025	Oct	30	(Thu)	05:28	06:16	104	12:01	58S	17:45	256	18:33
2025	Oct	31	(Fri)	05:28	06:17	105	12:01	58S	17:45	255	18:33
2025	Nov	01	(Sat)	05:29	06:17	105	12:01	58S	17:44	255	18:33
2025	Nov	02	(Sun)	05:29	06:17	105	12:01	57S	17:44	255	18:32
2025	Nov	03	(Mon)	05:29	06:18	106	12:01	57S	17:43	254	18:32
2025	Nov	04	(Tue)	05:30	06:18	106	12:01	57S	17:43	254	18:31
2025	Nov	05	(Wed)	05:30	06:19	106	12:01	56S	17:42	254	18:31
2025	Nov	06	(Thu)	05:30	06:19	107	12:01	56S	17:42	253	18:31
2025	Nov	07	(Fri)	05:31	06:20	107	12:01	56S	17:42	253	18:30
2025	Nov	08	(Sat)	05:31	06:20	107	12:01	55S	17:41	253	18:30
2025	Nov	09	(Sun)	05:32	06:21	108	12:01	55S	17:41	252	18:30
2025	Nov	10	(Mon)	05:32	06:21	108	12:01	55S	17:41	252	18:30
2025	Nov	11	(Tue)	05:33	06:22	108	12:01	55S	17:40	252	18:29
2025	Nov	12	(Wed)	05:33	06:22	108	12:01	54S	17:40	251	18:29
2025	Nov	13	(Thu)	05:33	06:23	109	12:01	54S	17:40	251	18:29
2025	Nov	14	(Fri)	05:34	06:23	109	12:01	54S	17:40	251	18:29
2025	Nov	15	(Sat)	05:34	06:24	109	12:02	53S	17:39	251	18:29
2025	Nov	16	(Sun)	05:35	06:24	110	12:02	53S	17:39	250	18:29
2025	Nov	17	(Mon)	05:35	06:25	110	12:02	53S	17:39	250	18:29
2025	Nov	18	(Tue)	05:36	06:26	110	12:02	53S	17:39	250	18:28
2025	Nov	19	(Wed)	05:36	06:26	110	12:02	53S	17:39	250	18:28
2025	Nov	20	(Thu)	05:37	06:27	111	12:03	52S	17:39	249	18:28
2025	Nov	21	(Fri)	05:37	06:27	111	12:03	52S	17:38	249	18:28
2025	Nov	22	(Sat)	05:38	06:28	111	12:03	52S	17:38	249	18:28
2025	Nov	23	(Sun)	05:38	06:28	111	12:03	52S	17:38	249	18:28
2025	Nov	24	(Mon)	05:39	06:29	111	12:04	51S	17:38	248	18:28
2025	Nov	25	(Tue)	05:39	06:30	112	12:04	51S	17:38	248	18:28
2025	Nov	26	(Wed)	05:40	06:30	112	12:04	51S	17:38	248	18:29
2025	Nov	27	(Thu)	05:41	06:31	112	12:05	51S	17:38	248	18:29
2025	Nov	28	(Fri)	05:41	06:31	112	12:05	51S	17:38	248	18:29
2025	Nov	29	(Sat)	05:42	06:32	112	12:05	51S	17:39	247	18:29
2025	Nov	30	(Sun)	05:42	06:33	113	12:06	50S	17:39	247	18:29
2025	Dec	01	(Mon)	05:43	06:33	113	12:06	50S	17:39	247	18:29
2025	Dec	02	(Tue)	05:43	06:34	113	12:06	50S	17:39	247	18:29
2025	Dec	03	(Wed)	05:44	06:35	113	12:07	50S	17:39	247	18:30
2025	Dec	04	(Thu)	05:44	06:35	113	12:07	50S	17:39	247	18:30
2025	Dec	05	(Fri)	05:45	06:36	113	12:08	50S	17:40	247	18:30
2025	Dec	06	(Sat)	05:46	06:36	114	12:08	50S	17:40	246	18:30
2025	Dec	07	(Sun)	05:46	06:37	114	12:09	49S	17:40	246	18:31
2025	Dec	08	(Mon)	05:47	06:38	114	12:09	49S	17:40	246	18:31
2025	Dec	09	(Tue)	05:47	06:38	114	12:09	49S	17:41	246	18:31
2025	Dec	10	(Wed)	05:48	06:39	114	12:10	49S	17:41	246	18:32
2025	Dec	11	(Thu)	05:48	06:39	114	12:10	49S	17:41	246	18:32
2025	Dec	12	(Fri)	05:49	06:40	114	12:11	49S	17:42	246	18:33
2025	Dec	13	(Sat)	05:50	06:40	114	12:11	49S	17:42	246	18:33
2025	Dec	14	(Sun)	05:50	06:41	114	12:12	49S	17:42	246	18:33

2025	Dec	15	(Mon)	05:51	06:42	114	12:12	49S	17:43	246	18:34
2025	Dec	16	(Tue)	05:51	06:42	114	12:13	49S	17:43	246	18:34
2025	Dec	17	(Wed)	05:52	06:43	114	12:13	49S	17:44	246	18:35
2025	Dec	18	(Thu)	05:52	06:43	114	12:14	49S	17:44	246	18:35
2025	Dec	19	(Fri)	05:53	06:44	114	12:14	49S	17:44	246	18:36
2025	Dec	20	(Sat)	05:53	06:44	115	12:15	49S	17:45	245	18:36
2025	Dec	21	(Sun)	05:54	06:45	115	12:15	49S	17:45	245	18:37
2025	Dec	22	(Mon)	05:54	06:45	115	12:16	49S	17:46	245	18:37
2025	Dec	23	(Tue)	05:55	06:46	115	12:16	49S	17:46	245	18:38
2025	Dec	24	(Wed)	05:55	06:46	114	12:17	49S	17:47	246	18:38
2025	Dec	25	(Thu)	05:56	06:47	114	12:17	49S	17:47	246	18:39
2025	Dec	26	(Fri)	05:56	06:47	114	12:18	49S	17:48	246	18:39
2025	Dec	27	(Sat)	05:57	06:48	114	12:18	49S	17:49	246	18:40
2025	Dec	28	(Sun)	05:57	06:48	114	12:19	49S	17:49	246	18:40
2025	Dec	29	(Mon)	05:57	06:48	114	12:19	49S	17:50	246	18:41
2025	Dec	30	(Tue)	05:58	06:49	114	12:20	49S	17:50	246	18:41
2025	Dec	31	(Wed)	05:58	06:49	114	12:20	49S	17:51	246	18:42

Sun

Nan

Location: E100°43'55.1", N18°41'09.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin Civil Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Civil Twilight
				h m	h m	°	h m °	h m °		h m
2025	Jan	01	(Wed)	06:26	06:50	114	12:21 49S	17:52 246		18:15
2025	Jan	02	(Thu)	06:26	06:50	114	12:21 49S	17:52 246		18:16
2025	Jan	03	(Fri)	06:27	06:50	114	12:22 49S	17:53 246		18:17
2025	Jan	04	(Sat)	06:27	06:51	114	12:22 49S	17:54 246		18:17
2025	Jan	05	(Sun)	06:27	06:51	114	12:22 49S	17:54 246		18:18
2025	Jan	06	(Mon)	06:28	06:51	114	12:23 50S	17:55 247		18:18
2025	Jan	07	(Tue)	06:28	06:51	113	12:23 50S	17:55 247		18:19
2025	Jan	08	(Wed)	06:28	06:52	113	12:24 50S	17:56 247		18:20
2025	Jan	09	(Thu)	06:28	06:52	113	12:24 50S	17:57 247		18:20
2025	Jan	10	(Fri)	06:28	06:52	113	12:25 50S	17:57 247		18:21
2025	Jan	11	(Sat)	06:29	06:52	113	12:25 50S	17:58 247		18:21
2025	Jan	12	(Sun)	06:29	06:52	113	12:25 50S	17:59 247		18:22
2025	Jan	13	(Mon)	06:29	06:52	112	12:26 51S	17:59 248		18:23
2025	Jan	14	(Tue)	06:29	06:53	112	12:26 51S	18:00 248		18:23
2025	Jan	15	(Wed)	06:29	06:53	112	12:26 51S	18:00 248		18:24
2025	Jan	16	(Thu)	06:29	06:53	112	12:27 51S	18:01 248		18:24
2025	Jan	17	(Fri)	06:29	06:53	112	12:27 51S	18:02 248		18:25
2025	Jan	18	(Sat)	06:29	06:53	111	12:27 52S	18:02 249		18:26
2025	Jan	19	(Sun)	06:29	06:53	111	12:28 52S	18:03 249		18:26
2025	Jan	20	(Mon)	06:29	06:53	111	12:28 52S	18:04 249		18:27
2025	Jan	21	(Tue)	06:29	06:53	111	12:28 52S	18:04 249		18:27
2025	Jan	22	(Wed)	06:29	06:53	111	12:29 52S	18:05 250		18:28
2025	Jan	23	(Thu)	06:29	06:52	110	12:29 53S	18:05 250		18:29
2025	Jan	24	(Fri)	06:29	06:52	110	12:29 53S	18:06 250		18:29
2025	Jan	25	(Sat)	06:29	06:52	110	12:29 53S	18:07 250		18:30
2025	Jan	26	(Sun)	06:29	06:52	109	12:30 53S	18:07 251		18:30
2025	Jan	27	(Mon)	06:29	06:52	109	12:30 54S	18:08 251		18:31
2025	Jan	28	(Tue)	06:29	06:52	109	12:30 54S	18:08 251		18:31
2025	Jan	29	(Wed)	06:29	06:52	109	12:30 54S	18:09 251		18:32
2025	Jan	30	(Thu)	06:28	06:51	108	12:30 54S	18:10 252		18:32
2025	Jan	31	(Fri)	06:28	06:51	108	12:30 55S	18:10 252		18:33
2025	Feb	01	(Sat)	06:28	06:51	108	12:31 55S	18:11 252		18:33
2025	Feb	02	(Sun)	06:28	06:50	107	12:31 55S	18:11 253		18:34
2025	Feb	03	(Mon)	06:27	06:50	107	12:31 56S	18:12 253		18:34
2025	Feb	04	(Tue)	06:27	06:50	107	12:31 56S	18:12 253		18:35
2025	Feb	05	(Wed)	06:27	06:49	107	12:31 56S	18:13 254		18:35
2025	Feb	06	(Thu)	06:27	06:49	106	12:31 56S	18:13 254		18:36
2025	Feb	07	(Fri)	06:26	06:49	106	12:31 57S	18:14 254		18:36
2025	Feb	08	(Sat)	06:26	06:48	106	12:31 57S	18:14 255		18:37
2025	Feb	09	(Sun)	06:25	06:48	105	12:31 57S	18:15 255		18:37
2025	Feb	10	(Mon)	06:25	06:47	105	12:31 58S	18:15 255		18:38
2025	Feb	11	(Tue)	06:25	06:47	105	12:31 58S	18:16 256		18:38

2025	Feb	12	(Wed)	06:24	06:47	104	12:31	58S	18:16	256	18:39
2025	Feb	13	(Thu)	06:24	06:46	104	12:31	59S	18:17	256	18:39
2025	Feb	14	(Fri)	06:23	06:46	103	12:31	59S	18:17	257	18:39
2025	Feb	15	(Sat)	06:23	06:45	103	12:31	59S	18:18	257	18:40
2025	Feb	16	(Sun)	06:22	06:44	103	12:31	60S	18:18	257	18:40
2025	Feb	17	(Mon)	06:22	06:44	102	12:31	60S	18:18	258	18:41
2025	Feb	18	(Tue)	06:21	06:43	102	12:31	60S	18:19	258	18:41
2025	Feb	19	(Wed)	06:21	06:43	102	12:31	61S	18:19	259	18:41
2025	Feb	20	(Thu)	06:20	06:42	101	12:31	61S	18:20	259	18:42
2025	Feb	21	(Fri)	06:19	06:42	101	12:31	62S	18:20	259	18:42
2025	Feb	22	(Sat)	06:19	06:41	100	12:31	62S	18:20	260	18:42
2025	Feb	23	(Sun)	06:18	06:40	100	12:30	62S	18:21	260	18:43
2025	Feb	24	(Mon)	06:18	06:40	100	12:30	63S	18:21	260	18:43
2025	Feb	25	(Tue)	06:17	06:39	99	12:30	63S	18:21	261	18:44
2025	Feb	26	(Wed)	06:16	06:38	99	12:30	63S	18:22	261	18:44
2025	Feb	27	(Thu)	06:16	06:38	99	12:30	64S	18:22	262	18:44
2025	Feb	28	(Fri)	06:15	06:37	98	12:30	64S	18:22	262	18:44
2025	Mar	01	(Sat)	06:14	06:36	98	12:29	65S	18:23	262	18:45
2025	Mar	02	(Sun)	06:14	06:35	97	12:29	65S	18:23	263	18:45
2025	Mar	03	(Mon)	06:13	06:35	97	12:29	65S	18:23	263	18:45
2025	Mar	04	(Tue)	06:12	06:34	97	12:29	66S	18:24	264	18:46
2025	Mar	05	(Wed)	06:11	06:33	96	12:29	66S	18:24	264	18:46
2025	Mar	06	(Thu)	06:11	06:33	96	12:28	66S	18:24	265	18:46
2025	Mar	07	(Fri)	06:10	06:32	95	12:28	67S	18:25	265	18:47
2025	Mar	08	(Sat)	06:09	06:31	95	12:28	67S	18:25	265	18:47
2025	Mar	09	(Sun)	06:08	06:30	94	12:28	68S	18:25	266	18:47
2025	Mar	10	(Mon)	06:08	06:29	94	12:27	68S	18:25	266	18:47
2025	Mar	11	(Tue)	06:07	06:29	94	12:27	68S	18:26	267	18:48
2025	Mar	12	(Wed)	06:06	06:28	93	12:27	69S	18:26	267	18:48
2025	Mar	13	(Thu)	06:05	06:27	93	12:27	69S	18:26	267	18:48
2025	Mar	14	(Fri)	06:04	06:26	92	12:26	70S	18:27	268	18:48
2025	Mar	15	(Sat)	06:04	06:25	92	12:26	70S	18:27	268	18:49
2025	Mar	16	(Sun)	06:03	06:25	92	12:26	70S	18:27	269	18:49
2025	Mar	17	(Mon)	06:02	06:24	91	12:25	71S	18:27	269	18:49
2025	Mar	18	(Tue)	06:01	06:23	91	12:25	71S	18:28	269	18:49
2025	Mar	19	(Wed)	06:00	06:22	90	12:25	72S	18:28	270	18:50
2025	Mar	20	(Thu)	05:59	06:21	90	12:25	72S	18:28	270	18:50
2025	Mar	21	(Fri)	05:59	06:20	89	12:24	72S	18:28	271	18:50
2025	Mar	22	(Sat)	05:58	06:20	89	12:24	73S	18:28	271	18:50
2025	Mar	23	(Sun)	05:57	06:19	89	12:24	73S	18:29	272	18:51
2025	Mar	24	(Mon)	05:56	06:18	88	12:23	74S	18:29	272	18:51
2025	Mar	25	(Tue)	05:55	06:17	88	12:23	74S	18:29	272	18:51
2025	Mar	26	(Wed)	05:54	06:16	87	12:23	74S	18:29	273	18:51
2025	Mar	27	(Thu)	05:54	06:15	87	12:22	75S	18:30	273	18:52
2025	Mar	28	(Fri)	05:53	06:15	87	12:22	75S	18:30	274	18:52
2025	Mar	29	(Sat)	05:52	06:14	86	12:22	75S	18:30	274	18:52
2025	Mar	30	(Sun)	05:51	06:13	86	12:22	76S	18:30	274	18:52
2025	Mar	31	(Mon)	05:50	06:12	85	12:21	76S	18:31	275	18:53
2025	Apr	01	(Tue)	05:49	06:11	85	12:21	77S	18:31	275	18:53
2025	Apr	02	(Wed)	05:49	06:11	85	12:21	77S	18:31	276	18:53
2025	Apr	03	(Thu)	05:48	06:10	84	12:20	77S	18:31	276	18:53
2025	Apr	04	(Fri)	05:47	06:09	84	12:20	78S	18:32	277	18:54
2025	Apr	05	(Sat)	05:46	06:08	83	12:20	78S	18:32	277	18:54
2025	Apr	06	(Sun)	05:45	06:07	83	12:19	79S	18:32	277	18:54
2025	Apr	07	(Mon)	05:44	06:06	83	12:19	79S	18:32	278	18:54
2025	Apr	08	(Tue)	05:44	06:06	82	12:19	79S	18:32	278	18:55
2025	Apr	09	(Wed)	05:43	06:05	82	12:19	80S	18:33	278	18:55
2025	Apr	10	(Thu)	05:42	06:04	81	12:18	80S	18:33	279	18:55
2025	Apr	11	(Fri)	05:41	06:03	81	12:18	80S	18:33	279	18:55
2025	Apr	12	(Sat)	05:40	06:03	81	12:18	81S	18:33	280	18:56
2025	Apr	13	(Sun)	05:40	06:02	80	12:18	81S	18:34	280	18:56
2025	Apr	14	(Mon)	05:39	06:01	80	12:17	82S	18:34	280	18:56
2025	Apr	15	(Tue)	05:38	06:00	79	12:17	82S	18:34	281	18:56
2025	Apr	16	(Wed)	05:37	06:00	79	12:17	82S	18:34	281	18:57
2025	Apr	17	(Thu)	05:36	05:59	79	12:17	83S	18:35	282	18:57
2025	Apr	18	(Fri)	05:36	05:58	78	12:16	83S	18:35	282	18:57
2025	Apr	19	(Sat)	05:35	05:57	78	12:16	83S	18:35	282	18:58
2025	Apr	20	(Sun)	05:34	05:57	78	12:16	84S	18:36	283	18:58
2025	Apr	21	(Mon)	05:33	05:56	77	12:16	84S	18:36	283	18:58
2025	Apr	22	(Tue)	05:33	05:55	77	12:16	84S	18:36	283	18:59
2025	Apr	23	(Wed)	05:32	05:55	76	12:15	85S	18:36	284	18:59
2025	Apr	24	(Thu)	05:31	05:54	76	12:15	85S	18:37	284	18:59

2025	Apr	25	(Fri)	05:31	05:53	76	12:15	85S	18:37	284	19:00
2025	Apr	26	(Sat)	05:30	05:53	75	12:15	86S	18:37	285	19:00
2025	Apr	27	(Sun)	05:29	05:52	75	12:15	86S	18:38	285	19:00
2025	Apr	28	(Mon)	05:29	05:51	75	12:15	86S	18:38	285	19:01
2025	Apr	29	(Tue)	05:28	05:51	74	12:14	87S	18:38	286	19:01
2025	Apr	30	(Wed)	05:27	05:50	74	12:14	87S	18:39	286	19:01
2025	May	01	(Thu)	05:27	05:50	74	12:14	87S	18:39	286	19:02
2025	May	02	(Fri)	05:26	05:49	73	12:14	87S	18:39	287	19:02
2025	May	03	(Sat)	05:26	05:49	73	12:14	88S	18:40	287	19:03
2025	May	04	(Sun)	05:25	05:48	73	12:14	88S	18:40	287	19:03
2025	May	05	(Mon)	05:24	05:48	73	12:14	88S	18:40	288	19:03
2025	May	06	(Tue)	05:24	05:47	72	12:14	89S	18:41	288	19:04
2025	May	07	(Wed)	05:23	05:47	72	12:14	89S	18:41	288	19:04
2025	May	08	(Thu)	05:23	05:46	72	12:14	89S	18:41	289	19:04
2025	May	09	(Fri)	05:22	05:46	71	12:14	89S	18:42	289	19:05
2025	May	10	(Sat)	05:22	05:45	71	12:13	90S	18:42	289	19:05
2025	May	11	(Sun)	05:21	05:45	71	12:13	90S	18:42	289	19:06
2025	May	12	(Mon)	05:21	05:44	71	12:13	90S	18:43	290	19:06
2025	May	13	(Tue)	05:21	05:44	70	12:13	90S	18:43	290	19:06
2025	May	14	(Wed)	05:20	05:44	70	12:13	91N	18:44	290	19:07
2025	May	15	(Thu)	05:20	05:43	70	12:13	90N	18:44	290	19:07
2025	May	16	(Fri)	05:19	05:43	69	12:13	90N	18:44	291	19:08
2025	May	17	(Sat)	05:19	05:42	69	12:13	90N	18:45	291	19:08
2025	May	18	(Sun)	05:19	05:42	69	12:13	90N	18:45	291	19:09
2025	May	19	(Mon)	05:18	05:42	69	12:14	90N	18:45	291	19:09
2025	May	20	(Tue)	05:18	05:42	69	12:14	89N	18:46	292	19:09
2025	May	21	(Wed)	05:18	05:41	68	12:14	89N	18:46	292	19:10
2025	May	22	(Thu)	05:17	05:41	68	12:14	89N	18:47	292	19:10
2025	May	23	(Fri)	05:17	05:41	68	12:14	89N	18:47	292	19:11
2025	May	24	(Sat)	05:17	05:41	68	12:14	89N	18:47	292	19:11
2025	May	25	(Sun)	05:17	05:40	68	12:14	88N	18:48	293	19:12
2025	May	26	(Mon)	05:16	05:40	67	12:14	88N	18:48	293	19:12
2025	May	27	(Tue)	05:16	05:40	67	12:14	88N	18:48	293	19:12
2025	May	28	(Wed)	05:16	05:40	67	12:14	88N	18:49	293	19:13
2025	May	29	(Thu)	05:16	05:40	67	12:14	88N	18:49	293	19:13
2025	May	30	(Fri)	05:16	05:40	67	12:15	88N	18:50	293	19:14
2025	May	31	(Sat)	05:16	05:40	66	12:15	87N	18:50	294	19:14
2025	Jun	01	(Sun)	05:16	05:40	66	12:15	87N	18:50	294	19:14
2025	Jun	02	(Mon)	05:15	05:40	66	12:15	87N	18:51	294	19:15
2025	Jun	03	(Tue)	05:15	05:39	66	12:15	87N	18:51	294	19:15
2025	Jun	04	(Wed)	05:15	05:39	66	12:15	87N	18:51	294	19:16
2025	Jun	05	(Thu)	05:15	05:39	66	12:16	87N	18:52	294	19:16
2025	Jun	06	(Fri)	05:15	05:39	66	12:16	87N	18:52	294	19:16
2025	Jun	07	(Sat)	05:15	05:39	66	12:16	87N	18:53	294	19:17
2025	Jun	08	(Sun)	05:15	05:40	65	12:16	87N	18:53	295	19:17
2025	Jun	09	(Mon)	05:15	05:40	65	12:16	86N	18:53	295	19:17
2025	Jun	10	(Tue)	05:15	05:40	65	12:17	86N	18:54	295	19:18
2025	Jun	11	(Wed)	05:15	05:40	65	12:17	86N	18:54	295	19:18
2025	Jun	12	(Thu)	05:16	05:40	65	12:17	86N	18:54	295	19:18
2025	Jun	13	(Fri)	05:16	05:40	65	12:17	86N	18:54	295	19:19
2025	Jun	14	(Sat)	05:16	05:40	65	12:17	86N	18:55	295	19:19
2025	Jun	15	(Sun)	05:16	05:40	65	12:18	86N	18:55	295	19:19
2025	Jun	16	(Mon)	05:16	05:40	65	12:18	86N	18:55	295	19:20
2025	Jun	17	(Tue)	05:16	05:40	65	12:18	86N	18:56	295	19:20
2025	Jun	18	(Wed)	05:16	05:41	65	12:18	86N	18:56	295	19:20
2025	Jun	19	(Thu)	05:16	05:41	65	12:18	86N	18:56	295	19:20
2025	Jun	20	(Fri)	05:17	05:41	65	12:19	86N	18:56	295	19:21
2025	Jun	21	(Sat)	05:17	05:41	65	12:19	86N	18:57	295	19:21
2025	Jun	22	(Sun)	05:17	05:41	65	12:19	86N	18:57	295	19:21
2025	Jun	23	(Mon)	05:17	05:42	65	12:19	86N	18:57	295	19:21
2025	Jun	24	(Tue)	05:18	05:42	65	12:20	86N	18:57	295	19:21
2025	Jun	25	(Wed)	05:18	05:42	65	12:20	86N	18:57	295	19:22
2025	Jun	26	(Thu)	05:18	05:42	65	12:20	86N	18:57	295	19:22
2025	Jun	27	(Fri)	05:18	05:43	65	12:20	86N	18:58	295	19:22
2025	Jun	28	(Sat)	05:19	05:43	65	12:20	86N	18:58	295	19:22
2025	Jun	29	(Sun)	05:19	05:43	65	12:21	86N	18:58	295	19:22
2025	Jun	30	(Mon)	05:19	05:44	65	12:21	86N	18:58	295	19:22
2025	Jul	01	(Tue)	05:20	05:44	65	12:21	86N	18:58	295	19:22
2025	Jul	02	(Wed)	05:20	05:44	65	12:21	86N	18:58	295	19:22
2025	Jul	03	(Thu)	05:20	05:45	65	12:21	86N	18:58	295	19:22
2025	Jul	04	(Fri)	05:21	05:45	65	12:22	87N	18:58	294	19:22
2025	Jul	05	(Sat)	05:21	05:45	66	12:22	87N	18:58	294	19:22

2025	Jul	06	(Sun)	05:21	05:46	66	12:22	87N	18:58	294	19:22
2025	Jul	07	(Mon)	05:22	05:46	66	12:22	87N	18:58	294	19:22
2025	Jul	08	(Tue)	05:22	05:46	66	12:22	87N	18:58	294	19:22
2025	Jul	09	(Wed)	05:22	05:47	66	12:22	87N	18:58	294	19:22
2025	Jul	10	(Thu)	05:23	05:47	66	12:22	87N	18:58	294	19:22
2025	Jul	11	(Fri)	05:23	05:47	66	12:23	87N	18:58	294	19:22
2025	Jul	12	(Sat)	05:24	05:48	66	12:23	87N	18:58	293	19:22
2025	Jul	13	(Sun)	05:24	05:48	67	12:23	88N	18:58	293	19:22
2025	Jul	14	(Mon)	05:24	05:48	67	12:23	88N	18:58	293	19:21
2025	Jul	15	(Tue)	05:25	05:49	67	12:23	88N	18:57	293	19:21
2025	Jul	16	(Wed)	05:25	05:49	67	12:23	88N	18:57	293	19:21
2025	Jul	17	(Thu)	05:25	05:49	67	12:23	88N	18:57	293	19:21
2025	Jul	18	(Fri)	05:26	05:50	67	12:23	88N	18:57	292	19:21
2025	Jul	19	(Sat)	05:26	05:50	68	12:23	89N	18:57	292	19:20
2025	Jul	20	(Sun)	05:27	05:50	68	12:23	89N	18:56	292	19:20
2025	Jul	21	(Mon)	05:27	05:51	68	12:24	89N	18:56	292	19:20
2025	Jul	22	(Tue)	05:27	05:51	68	12:24	89N	18:56	292	19:20
2025	Jul	23	(Wed)	05:28	05:51	68	12:24	89N	18:56	291	19:19
2025	Jul	24	(Thu)	05:28	05:52	69	12:24	90N	18:55	291	19:19
2025	Jul	25	(Fri)	05:29	05:52	69	12:24	90N	18:55	291	19:18
2025	Jul	26	(Sat)	05:29	05:53	69	12:24	90N	18:55	291	19:18
2025	Jul	27	(Sun)	05:29	05:53	69	12:24	90N	18:54	290	19:18
2025	Jul	28	(Mon)	05:30	05:53	70	12:24	90N	18:54	290	19:17
2025	Jul	29	(Tue)	05:30	05:54	70	12:24	91S	18:53	290	19:17
2025	Jul	30	(Wed)	05:30	05:54	70	12:24	90S	18:53	290	19:16
2025	Jul	31	(Thu)	05:31	05:54	70	12:24	90S	18:53	289	19:16
2025	Aug	01	(Fri)	05:31	05:55	71	12:23	90S	18:52	289	19:15
2025	Aug	02	(Sat)	05:32	05:55	71	12:23	90S	18:52	289	19:15
2025	Aug	03	(Sun)	05:32	05:55	71	12:23	89S	18:51	289	19:14
2025	Aug	04	(Mon)	05:32	05:55	71	12:23	89S	18:51	288	19:14
2025	Aug	05	(Tue)	05:33	05:56	72	12:23	89S	18:50	288	19:13
2025	Aug	06	(Wed)	05:33	05:56	72	12:23	89S	18:50	288	19:13
2025	Aug	07	(Thu)	05:33	05:56	72	12:23	88S	18:49	287	19:12
2025	Aug	08	(Fri)	05:34	05:57	73	12:23	88S	18:49	287	19:12
2025	Aug	09	(Sat)	05:34	05:57	73	12:23	88S	18:48	287	19:11
2025	Aug	10	(Sun)	05:34	05:57	73	12:22	88S	18:47	287	19:10
2025	Aug	11	(Mon)	05:35	05:58	74	12:22	87S	18:47	286	19:10
2025	Aug	12	(Tue)	05:35	05:58	74	12:22	87S	18:46	286	19:09
2025	Aug	13	(Wed)	05:35	05:58	74	12:22	87S	18:46	286	19:08
2025	Aug	14	(Thu)	05:36	05:58	75	12:22	86S	18:45	285	19:08
2025	Aug	15	(Fri)	05:36	05:59	75	12:22	86S	18:44	285	19:07
2025	Aug	16	(Sat)	05:36	05:59	75	12:21	86S	18:44	285	19:06
2025	Aug	17	(Sun)	05:36	05:59	76	12:21	85S	18:43	284	19:06
2025	Aug	18	(Mon)	05:37	05:59	76	12:21	85S	18:42	284	19:05
2025	Aug	19	(Tue)	05:37	06:00	76	12:21	85S	18:42	284	19:04
2025	Aug	20	(Wed)	05:37	06:00	77	12:20	84S	18:41	283	19:03
2025	Aug	21	(Thu)	05:38	06:00	77	12:20	84S	18:40	283	19:03
2025	Aug	22	(Fri)	05:38	06:00	77	12:20	84S	18:39	283	19:02
2025	Aug	23	(Sat)	05:38	06:01	78	12:20	83S	18:39	282	19:01
2025	Aug	24	(Sun)	05:38	06:01	78	12:19	83S	18:38	282	19:00
2025	Aug	25	(Mon)	05:39	06:01	78	12:19	83S	18:37	281	19:00
2025	Aug	26	(Tue)	05:39	06:01	79	12:19	82S	18:36	281	18:59
2025	Aug	27	(Wed)	05:39	06:01	79	12:19	82S	18:36	281	18:58
2025	Aug	28	(Thu)	05:39	06:02	79	12:18	82S	18:35	280	18:57
2025	Aug	29	(Fri)	05:40	06:02	80	12:18	81S	18:34	280	18:56
2025	Aug	30	(Sat)	05:40	06:02	80	12:18	81S	18:33	280	18:55
2025	Aug	31	(Sun)	05:40	06:02	81	12:17	81S	18:32	279	18:55
2025	Sep	01	(Mon)	05:40	06:02	81	12:17	80S	18:32	279	18:54
2025	Sep	02	(Tue)	05:40	06:03	81	12:17	80S	18:31	278	18:53
2025	Sep	03	(Wed)	05:41	06:03	82	12:16	79S	18:30	278	18:52
2025	Sep	04	(Thu)	05:41	06:03	82	12:16	79S	18:29	278	18:51
2025	Sep	05	(Fri)	05:41	06:03	83	12:16	79S	18:28	277	18:50
2025	Sep	06	(Sat)	05:41	06:03	83	12:15	78S	18:27	277	18:49
2025	Sep	07	(Sun)	05:41	06:03	83	12:15	78S	18:27	276	18:49
2025	Sep	08	(Mon)	05:42	06:04	84	12:15	78S	18:26	276	18:48
2025	Sep	09	(Tue)	05:42	06:04	84	12:14	77S	18:25	276	18:47
2025	Sep	10	(Wed)	05:42	06:04	85	12:14	77S	18:24	275	18:46
2025	Sep	11	(Thu)	05:42	06:04	85	12:14	76S	18:23	275	18:45
2025	Sep	12	(Fri)	05:42	06:04	85	12:13	76S	18:22	274	18:44
2025	Sep	13	(Sat)	05:43	06:04	86	12:13	76S	18:21	274	18:43
2025	Sep	14	(Sun)	05:43	06:05	86	12:13	75S	18:20	274	18:42
2025	Sep	15	(Mon)	05:43	06:05	87	12:12	75S	18:20	273	18:41

2025	Sep	16	(Tue)	05:43	06:05	87	12:12	75S	18:19	273	18:41
2025	Sep	17	(Wed)	05:43	06:05	87	12:12	74S	18:18	272	18:40
2025	Sep	18	(Thu)	05:43	06:05	88	12:11	74S	18:17	272	18:39
2025	Sep	19	(Fri)	05:44	06:05	88	12:11	73S	18:16	272	18:38
2025	Sep	20	(Sat)	05:44	06:06	89	12:11	73S	18:15	271	18:37
2025	Sep	21	(Sun)	05:44	06:06	89	12:10	73S	18:14	271	18:36
2025	Sep	22	(Mon)	05:44	06:06	89	12:10	72S	18:13	270	18:35
2025	Sep	23	(Tue)	05:44	06:06	90	12:09	72S	18:13	270	18:34
2025	Sep	24	(Wed)	05:45	06:06	90	12:09	71S	18:12	270	18:33
2025	Sep	25	(Thu)	05:45	06:07	91	12:09	71S	18:11	269	18:33
2025	Sep	26	(Fri)	05:45	06:07	91	12:08	71S	18:10	269	18:32
2025	Sep	27	(Sat)	05:45	06:07	91	12:08	70S	18:09	268	18:31
2025	Sep	28	(Sun)	05:45	06:07	92	12:08	70S	18:08	268	18:30
2025	Sep	29	(Mon)	05:45	06:07	92	12:07	70S	18:07	268	18:29
2025	Sep	30	(Tue)	05:46	06:07	93	12:07	69S	18:06	267	18:28
2025	Oct	01	(Wed)	05:46	06:08	93	12:07	69S	18:06	267	18:27
2025	Oct	02	(Thu)	05:46	06:08	93	12:06	68S	18:05	266	18:27
2025	Oct	03	(Fri)	05:46	06:08	94	12:06	68S	18:04	266	18:26
2025	Oct	04	(Sat)	05:46	06:08	94	12:06	68S	18:03	265	18:25
2025	Oct	05	(Sun)	05:47	06:08	95	12:06	67S	18:02	265	18:24
2025	Oct	06	(Mon)	05:47	06:09	95	12:05	67S	18:01	265	18:23
2025	Oct	07	(Tue)	05:47	06:09	96	12:05	66S	18:01	264	18:23
2025	Oct	08	(Wed)	05:47	06:09	96	12:05	66S	18:00	264	18:22
2025	Oct	09	(Thu)	05:47	06:09	96	12:04	66S	17:59	263	18:21
2025	Oct	10	(Fri)	05:48	06:10	97	12:04	65S	17:58	263	18:20
2025	Oct	11	(Sat)	05:48	06:10	97	12:04	65S	17:57	263	18:19
2025	Oct	12	(Sun)	05:48	06:10	98	12:04	65S	17:57	262	18:19
2025	Oct	13	(Mon)	05:48	06:10	98	12:03	64S	17:56	262	18:18
2025	Oct	14	(Tue)	05:49	06:11	98	12:03	64S	17:55	261	18:17
2025	Oct	15	(Wed)	05:49	06:11	99	12:03	63S	17:55	261	18:17
2025	Oct	16	(Thu)	05:49	06:11	99	12:03	63S	17:54	261	18:16
2025	Oct	17	(Fri)	05:49	06:12	99	12:02	63S	17:53	260	18:15
2025	Oct	18	(Sat)	05:50	06:12	100	12:02	62S	17:52	260	18:14
2025	Oct	19	(Sun)	05:50	06:12	100	12:02	62S	17:52	260	18:14
2025	Oct	20	(Mon)	05:50	06:12	101	12:02	62S	17:51	259	18:13
2025	Oct	21	(Tue)	05:51	06:13	101	12:02	61S	17:50	259	18:13
2025	Oct	22	(Wed)	05:51	06:13	101	12:02	61S	17:50	258	18:12
2025	Oct	23	(Thu)	05:51	06:14	102	12:01	61S	17:49	258	18:11
2025	Oct	24	(Fri)	05:52	06:14	102	12:01	60S	17:48	258	18:11
2025	Oct	25	(Sat)	05:52	06:14	102	12:01	60S	17:48	257	18:10
2025	Oct	26	(Sun)	05:52	06:15	103	12:01	59S	17:47	257	18:10
2025	Oct	27	(Mon)	05:53	06:15	103	12:01	59S	17:47	257	18:09
2025	Oct	28	(Tue)	05:53	06:15	104	12:01	59S	17:46	256	18:09
2025	Oct	29	(Wed)	05:53	06:16	104	12:01	58S	17:46	256	18:08
2025	Oct	30	(Thu)	05:54	06:16	104	12:01	58S	17:45	256	18:08
2025	Oct	31	(Fri)	05:54	06:17	105	12:01	58S	17:45	255	18:07
2025	Nov	01	(Sat)	05:55	06:17	105	12:01	58S	17:44	255	18:07
2025	Nov	02	(Sun)	05:55	06:17	105	12:01	57S	17:44	255	18:06
2025	Nov	03	(Mon)	05:55	06:18	106	12:01	57S	17:43	254	18:06
2025	Nov	04	(Tue)	05:56	06:18	106	12:01	57S	17:43	254	18:05
2025	Nov	05	(Wed)	05:56	06:19	106	12:01	56S	17:42	254	18:05
2025	Nov	06	(Thu)	05:57	06:19	107	12:01	56S	17:42	253	18:05
2025	Nov	07	(Fri)	05:57	06:20	107	12:01	56S	17:42	253	18:04
2025	Nov	08	(Sat)	05:57	06:20	107	12:01	55S	17:41	253	18:04
2025	Nov	09	(Sun)	05:58	06:21	108	12:01	55S	17:41	252	18:04
2025	Nov	10	(Mon)	05:58	06:21	108	12:01	55S	17:41	252	18:03
2025	Nov	11	(Tue)	05:59	06:22	108	12:01	55S	17:40	252	18:03
2025	Nov	12	(Wed)	05:59	06:22	108	12:01	54S	17:40	251	18:03
2025	Nov	13	(Thu)	06:00	06:23	109	12:01	54S	17:40	251	18:03
2025	Nov	14	(Fri)	06:00	06:23	109	12:01	54S	17:40	251	18:02
2025	Nov	15	(Sat)	06:01	06:24	109	12:02	53S	17:39	251	18:02
2025	Nov	16	(Sun)	06:01	06:24	110	12:02	53S	17:39	250	18:02
2025	Nov	17	(Mon)	06:02	06:25	110	12:02	53S	17:39	250	18:02
2025	Nov	18	(Tue)	06:02	06:26	110	12:02	53S	17:39	250	18:02
2025	Nov	19	(Wed)	06:03	06:26	110	12:02	53S	17:39	250	18:02
2025	Nov	20	(Thu)	06:04	06:27	111	12:03	52S	17:39	249	18:02
2025	Nov	21	(Fri)	06:04	06:27	111	12:03	52S	17:38	249	18:02
2025	Nov	22	(Sat)	06:05	06:28	111	12:03	52S	17:38	249	18:02
2025	Nov	23	(Sun)	06:05	06:28	111	12:03	52S	17:38	249	18:02
2025	Nov	24	(Mon)	06:06	06:29	111	12:04	51S	17:38	248	18:02
2025	Nov	25	(Tue)	06:06	06:30	112	12:04	51S	17:38	248	18:02
2025	Nov	26	(Wed)	06:07	06:30	112	12:04	51S	17:38	248	18:02

2025	Nov	27	(Thu)	06:07	06:31	112	12:05	51S	17:38	248	18:02
2025	Nov	28	(Fri)	06:08	06:31	112	12:05	51S	17:38	248	18:02
2025	Nov	29	(Sat)	06:09	06:32	112	12:05	51S	17:39	247	18:02
2025	Nov	30	(Sun)	06:09	06:33	113	12:06	50S	17:39	247	18:02
2025	Dec	01	(Mon)	06:10	06:33	113	12:06	50S	17:39	247	18:02
2025	Dec	02	(Tue)	06:10	06:34	113	12:06	50S	17:39	247	18:02
2025	Dec	03	(Wed)	06:11	06:35	113	12:07	50S	17:39	247	18:03
2025	Dec	04	(Thu)	06:12	06:35	113	12:07	50S	17:39	247	18:03
2025	Dec	05	(Fri)	06:12	06:36	113	12:08	50S	17:40	247	18:03
2025	Dec	06	(Sat)	06:13	06:36	114	12:08	50S	17:40	246	18:03
2025	Dec	07	(Sun)	06:13	06:37	114	12:09	49S	17:40	246	18:04
2025	Dec	08	(Mon)	06:14	06:38	114	12:09	49S	17:40	246	18:04
2025	Dec	09	(Tue)	06:14	06:38	114	12:09	49S	17:41	246	18:04
2025	Dec	10	(Wed)	06:15	06:39	114	12:10	49S	17:41	246	18:05
2025	Dec	11	(Thu)	06:16	06:39	114	12:10	49S	17:41	246	18:05
2025	Dec	12	(Fri)	06:16	06:40	114	12:11	49S	17:42	246	18:05
2025	Dec	13	(Sat)	06:17	06:40	114	12:11	49S	17:42	246	18:06
2025	Dec	14	(Sun)	06:17	06:41	114	12:12	49S	17:42	246	18:06
2025	Dec	15	(Mon)	06:18	06:42	114	12:12	49S	17:43	246	18:06
2025	Dec	16	(Tue)	06:18	06:42	114	12:13	49S	17:43	246	18:07
2025	Dec	17	(Wed)	06:19	06:43	114	12:13	49S	17:44	246	18:07
2025	Dec	18	(Thu)	06:19	06:43	114	12:14	49S	17:44	246	18:08
2025	Dec	19	(Fri)	06:20	06:44	114	12:14	49S	17:44	246	18:08
2025	Dec	20	(Sat)	06:21	06:44	115	12:15	49S	17:45	245	18:09
2025	Dec	21	(Sun)	06:21	06:45	115	12:15	49S	17:45	245	18:09
2025	Dec	22	(Mon)	06:22	06:45	115	12:16	49S	17:46	245	18:10
2025	Dec	23	(Tue)	06:22	06:46	115	12:16	49S	17:46	245	18:10
2025	Dec	24	(Wed)	06:23	06:46	114	12:17	49S	17:47	246	18:11
2025	Dec	25	(Thu)	06:23	06:47	114	12:17	49S	17:47	246	18:11
2025	Dec	26	(Fri)	06:23	06:47	114	12:18	49S	17:48	246	18:12
2025	Dec	27	(Sat)	06:24	06:48	114	12:18	49S	17:49	246	18:12
2025	Dec	28	(Sun)	06:24	06:48	114	12:19	49S	17:49	246	18:13
2025	Dec	29	(Mon)	06:25	06:48	114	12:19	49S	17:50	246	18:13
2025	Dec	30	(Tue)	06:25	06:49	114	12:20	49S	17:50	246	18:14
2025	Dec	31	(Wed)	06:25	06:49	114	12:20	49S	17:51	246	18:15

Moon

Nan

Location: E100°43'55.1", N18°41'09.5", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Rise	Az.	Transit Alt.			Set	Az.		
				h	m	°	h	m	°	h	m	°
2025	Jan	01	(Wed)	08:01	117		13:35	46S		19:12	244	
2025	Jan	02	(Thu)	08:49	113		14:30	50S		20:13	249	
2025	Jan	03	(Fri)	09:34	108		15:21	56S		21:13	255	
2025	Jan	04	(Sat)	10:14	102		16:10	62S		22:11	262	
2025	Jan	05	(Sun)	10:52	95		16:57	69S		23:07	269	
2025	Jan	06	(Mon)	11:30	87		17:45	76S				
2025	Jan	07	(Tue)	12:08	80		18:33	83S		00:04	276	
2025	Jan	08	(Wed)	12:49	73		19:24	89S		01:03	283	
2025	Jan	09	(Thu)	13:34	68		20:18	87N		02:03	290	
2025	Jan	10	(Fri)	14:24	63		21:16	83N		03:07	295	
2025	Jan	11	(Sat)	15:20	61		22:17	81N		04:12	299	
2025	Jan	12	(Sun)	16:20	60		23:19	81N		05:16	300	
2025	Jan	13	(Mon)	17:22	61					06:16	300	
2025	Jan	14	(Tue)	18:24	65		00:18	83N		07:10	297	
2025	Jan	15	(Wed)	19:23	69		01:13	86N		07:58	293	
2025	Jan	16	(Thu)	20:18	75		02:03	90S		08:39	288	
2025	Jan	17	(Fri)	21:09	81		02:49	85S		09:16	282	
2025	Jan	18	(Sat)	21:58	87		03:31	79S		09:49	276	
2025	Jan	19	(Sun)	22:46	93		04:12	73S		10:21	270	
2025	Jan	20	(Mon)	23:33	99		04:51	67S		10:52	264	
2025	Jan	21	(Tue)				05:30	62S		11:24	258	
2025	Jan	22	(Wed)	00:21	105		06:11	56S		11:58	253	
2025	Jan	23	(Thu)	01:12	110		06:55	51S		12:35	248	
2025	Jan	24	(Fri)	02:05	115		07:42	47S		13:16	244	
2025	Jan	25	(Sat)	03:00	118		08:33	44S		14:04	241	

2025 Jan 26 (Sun)	03:57 120	09:27 43S	14:57 240
2025 Jan 27 (Mon)	04:54 120	10:24 43S	15:55 240
2025 Jan 28 (Tue)	05:49 119	11:22 45S	16:57 243
2025 Jan 29 (Wed)	06:41 115	12:19 49S	17:59 247
2025 Jan 30 (Thu)	07:28 110	13:13 54S	19:01 253
2025 Jan 31 (Fri)	08:11 104	14:04 60S	20:02 259
2025 Feb 01 (Sat)	08:51 97	14:53 67S	21:00 267
2025 Feb 02 (Sun)	09:29 89	15:41 74S	21:59 274
2025 Feb 03 (Mon)	10:08 82	16:30 81S	22:57 282
2025 Feb 04 (Tue)	10:48 75	17:21 88S	23:58 288
2025 Feb 05 (Wed)	11:32 69	18:14 88N	
2025 Feb 06 (Thu)	12:20 64	19:10 84N	01:00 294
2025 Feb 07 (Fri)	13:13 61	20:09 81N	02:04 298
2025 Feb 08 (Sat)	14:11 60	21:09 81N	03:07 300
2025 Feb 09 (Sun)	15:11 60	22:08 82N	04:07 300
2025 Feb 10 (Mon)	16:12 63	23:04 85N	05:03 298
2025 Feb 11 (Tue)	17:11 67	23:55 89N	05:52 295
2025 Feb 12 (Wed)	18:07 72		06:35 290
2025 Feb 13 (Thu)	19:00 78	00:42 87S	07:13 285
2025 Feb 14 (Fri)	19:50 84	01:26 82S	07:47 279
2025 Feb 15 (Sat)	20:38 91	02:07 76S	08:20 272
2025 Feb 16 (Sun)	21:26 97	02:47 70S	08:51 266
2025 Feb 17 (Mon)	22:14 103	03:26 64S	09:23 260
2025 Feb 18 (Tue)	23:03 108	04:06 58S	09:55 254
2025 Feb 19 (Wed)	23:54 113	04:49 53S	10:31 249
2025 Feb 20 (Thu)		05:34 49S	11:10 245
2025 Feb 21 (Fri)	00:48 117	06:22 45S	11:54 242
2025 Feb 22 (Sat)	01:44 119	07:14 43S	12:44 240
2025 Feb 23 (Sun)	02:40 120	08:09 43S	13:39 240
2025 Feb 24 (Mon)	03:35 120	09:06 44S	14:38 241
2025 Feb 25 (Tue)	04:28 117	10:03 46S	15:40 245
2025 Feb 26 (Wed)	05:17 113	10:58 51S	16:43 250
2025 Feb 27 (Thu)	06:02 107	11:51 57S	17:44 256
2025 Feb 28 (Fri)	06:44 100	12:42 64S	18:45 263
2025 Mar 01 (Sat)	07:24 93	13:32 71S	19:45 271
2025 Mar 02 (Sun)	08:04 85	14:22 78S	20:46 279
2025 Mar 03 (Mon)	08:45 78	15:14 85S	21:48 286
2025 Mar 04 (Tue)	09:28 71	16:08 90N	22:52 292
2025 Mar 05 (Wed)	10:16 65	17:04 85N	23:57 297
2025 Mar 06 (Thu)	11:08 62	18:04 82N	
2025 Mar 07 (Fri)	12:05 60	19:04 81N	01:01 300
2025 Mar 08 (Sat)	13:05 60	20:03 81N	02:03 300
2025 Mar 09 (Sun)	14:06 62	20:59 84N	02:59 299
2025 Mar 10 (Mon)	15:05 66	21:51 87N	03:49 296
2025 Mar 11 (Tue)	16:01 70	22:39 89S	04:33 292
2025 Mar 12 (Wed)	16:54 76	23:23 84S	05:12 287
2025 Mar 13 (Thu)	17:44 82		05:48 281
2025 Mar 14 (Fri)	18:32 88	00:04 78S	06:20 275
2025 Mar 15 (Sat)	19:20 95	00:44 72S	06:52 268
2025 Mar 16 (Sun)	20:08 101	01:24 66S	07:23 262
2025 Mar 17 (Mon)	20:57 106	02:03 60S	07:55 257
2025 Mar 18 (Tue)	21:47 111	02:45 55S	08:29 251
2025 Mar 19 (Wed)	22:40 116	03:29 50S	09:07 247
2025 Mar 20 (Thu)	23:34 119	04:15 47S	09:49 243
2025 Mar 21 (Fri)		05:05 44S	10:35 240
2025 Mar 22 (Sat)	00:29 120	05:58 43S	11:27 239
2025 Mar 23 (Sun)	01:24 120	06:53 43S	12:23 240
2025 Mar 24 (Mon)	02:16 119	07:48 45S	13:23 243
2025 Mar 25 (Tue)	03:06 115	08:43 49S	14:23 247
2025 Mar 26 (Wed)	03:51 110	09:36 54S	15:24 252
2025 Mar 27 (Thu)	04:34 104	10:27 60S	16:25 259
2025 Mar 28 (Fri)	05:15 97	11:18 67S	17:25 267
2025 Mar 29 (Sat)	05:55 89	12:08 75S	18:27 275
2025 Mar 30 (Sun)	06:36 81	13:00 82S	19:30 283
2025 Mar 31 (Mon)	07:19 74	13:54 89S	20:35 290
2025 Apr 01 (Tue)	08:07 68	14:52 87N	21:42 295
2025 Apr 02 (Wed)	08:59 63	15:53 83N	22:49 299
2025 Apr 03 (Thu)	09:57 60	16:55 81N	23:54 300
2025 Apr 04 (Fri)	10:58 60	17:56 81N	
2025 Apr 05 (Sat)	11:59 61	18:55 83N	00:54 300
2025 Apr 06 (Sun)	13:00 64	19:48 86N	01:47 297
2025 Apr 07 (Mon)	13:57 69	20:37 91N	02:33 293

2025 Apr 08 (Tue)	14:50 74	21:22 86S	03:13 288
2025 Apr 09 (Wed)	15:41 80	22:04 80S	03:49 283
2025 Apr 10 (Thu)	16:29 86	22:44 74S	04:22 277
2025 Apr 11 (Fri)	17:17 93	23:23 68S	04:54 271
2025 Apr 12 (Sat)	18:04 99		05:25 264
2025 Apr 13 (Sun)	18:53 104	00:02 62S	05:57 258
2025 Apr 14 (Mon)	19:42 110	00:43 57S	06:30 253
2025 Apr 15 (Tue)	20:34 114	01:26 52S	07:06 248
2025 Apr 16 (Wed)	21:28 118	02:12 48S	07:47 244
2025 Apr 17 (Thu)	22:23 120	03:01 45S	08:31 241
2025 Apr 18 (Fri)	23:17 120	03:52 43S	09:21 240
2025 Apr 19 (Sat)		04:46 43S	10:15 240
2025 Apr 20 (Sun)	00:09 119	05:40 44S	11:12 242
2025 Apr 21 (Mon)	00:58 117	06:33 47S	12:10 245
2025 Apr 22 (Tue)	01:44 112	07:25 51S	13:09 250
2025 Apr 23 (Wed)	02:26 107	08:15 57S	14:08 256
2025 Apr 24 (Thu)	03:07 100	09:04 63S	15:07 263
2025 Apr 25 (Fri)	03:46 93	09:53 71S	16:06 271
2025 Apr 26 (Sat)	04:25 85	10:44 78S	17:07 279
2025 Apr 27 (Sun)	05:07 78	11:37 85S	18:11 286
2025 Apr 28 (Mon)	05:53 71	12:33 90N	19:19 292
2025 Apr 29 (Tue)	06:44 65	13:34 85N	20:28 297
2025 Apr 30 (Wed)	07:41 61	14:38 82N	21:37 300
2025 May 01 (Thu)	08:43 60	15:43 81N	22:42 300
2025 May 02 (Fri)	09:47 60	16:44 82N	23:39 298
2025 May 03 (Sat)	10:50 63	17:42 85N	
2025 May 04 (Sun)	11:50 67	18:33 89N	00:29 295
2025 May 05 (Mon)	12:45 72	19:20 87S	01:12 290
2025 May 06 (Tue)	13:37 78	20:03 82S	01:50 285
2025 May 07 (Wed)	14:26 84	20:43 76S	02:24 279
2025 May 08 (Thu)	15:14 91	21:23 70S	02:56 272
2025 May 09 (Fri)	16:01 97	22:02 64S	03:27 266
2025 May 10 (Sat)	16:49 103	22:42 58S	03:59 260
2025 May 11 (Sun)	17:38 108	23:24 53S	04:31 255
2025 May 12 (Mon)	18:30 113		05:07 250
2025 May 13 (Tue)	19:23 117	00:09 49S	05:46 245
2025 May 14 (Wed)	20:18 119	00:57 46S	06:29 242
2025 May 15 (Thu)	21:12 120	01:48 44S	07:18 240
2025 May 16 (Fri)	22:05 120	02:41 43S	08:10 240
2025 May 17 (Sat)	22:55 118	03:35 44S	09:06 241
2025 May 18 (Sun)	23:41 114	04:28 46S	10:04 244
2025 May 19 (Mon)		05:20 50S	11:02 248
2025 May 20 (Tue)	00:23 109	06:09 55S	11:59 254
2025 May 21 (Wed)	01:03 103	06:57 61S	12:55 260
2025 May 22 (Thu)	01:41 96	07:44 68S	13:52 268
2025 May 23 (Fri)	02:19 89	08:32 75S	14:50 275
2025 May 24 (Sat)	02:58 81	09:22 82S	15:51 282
2025 May 25 (Sun)	03:41 74	10:15 89S	16:55 289
2025 May 26 (Mon)	04:29 68	11:14 87N	18:03 295
2025 May 27 (Tue)	05:23 63	12:16 83N	19:13 299
2025 May 28 (Wed)	06:23 60	13:22 81N	20:22 300
2025 May 29 (Thu)	07:28 60	14:27 81N	21:24 299
2025 May 30 (Fri)	08:33 62	15:28 83N	22:19 296
2025 May 31 (Sat)	09:37 66	16:24 87N	23:07 292
2025 Jun 01 (Sun)	10:36 71	17:14 89S	23:48 287
2025 Jun 02 (Mon)	11:30 76	17:59 83S	
2025 Jun 03 (Tue)	12:21 82	18:41 78S	00:24 281
2025 Jun 04 (Wed)	13:10 89	19:21 72S	00:57 274
2025 Jun 05 (Thu)	13:57 95	20:00 66S	01:28 268
2025 Jun 06 (Fri)	14:45 101	20:40 60S	02:00 262
2025 Jun 07 (Sat)	15:34 106	21:22 55S	02:32 256
2025 Jun 08 (Sun)	16:24 111	22:06 50S	03:07 251
2025 Jun 09 (Mon)	17:17 115	22:53 47S	03:44 247
2025 Jun 10 (Tue)	18:12 118	23:43 44S	04:27 243
2025 Jun 11 (Wed)	19:07 120		05:14 241
2025 Jun 12 (Thu)	20:01 120	00:36 43S	06:06 240
2025 Jun 13 (Fri)	20:52 118	01:31 43S	07:01 241
2025 Jun 14 (Sat)	21:39 115	02:25 45S	07:59 243
2025 Jun 15 (Sun)	22:23 110	03:17 49S	08:57 247
2025 Jun 16 (Mon)	23:03 105	04:07 53S	09:54 252
2025 Jun 17 (Tue)	23:40 98	04:54 59S	10:50 258
2025 Jun 18 (Wed)		05:41 66S	11:45 265

2025 Jun 19 (Thu)	00:17 91	06:27 72S	12:41 273
2025 Jun 20 (Fri)	00:55 84	07:14 79S	13:39 280
2025 Jun 21 (Sat)	01:35 77	08:04 86S	14:40 287
2025 Jun 22 (Sun)	02:18 70	08:59 89N	15:44 293
2025 Jun 23 (Mon)	03:08 65	09:58 85N	16:52 297
2025 Jun 24 (Tue)	04:04 61	11:01 82N	18:00 300
2025 Jun 25 (Wed)	05:07 60	12:06 81N	19:06 300
2025 Jun 26 (Thu)	06:13 61	13:10 82N	20:05 298
2025 Jun 27 (Fri)	07:18 64	14:09 85N	20:56 294
2025 Jun 28 (Sat)	08:21 68	15:03 90N	21:41 289
2025 Jun 29 (Sun)	09:18 74	15:52 86S	22:20 283
2025 Jun 30 (Mon)	10:12 80	16:36 80S	22:55 277
2025 Jul 01 (Tue)	11:03 86	17:17 74S	23:27 270
2025 Jul 02 (Wed)	11:51 93	17:57 68S	23:59 264
2025 Jul 03 (Thu)	12:39 99	18:37 62S	
2025 Jul 04 (Fri)	13:28 105	19:18 56S	00:31 258
2025 Jul 05 (Sat)	14:18 110	20:01 52S	01:05 253
2025 Jul 06 (Sun)	15:10 114	20:47 48S	01:42 248
2025 Jul 07 (Mon)	16:04 118	21:37 45S	02:22 244
2025 Jul 08 (Tue)	16:59 120	22:29 43S	03:08 241
2025 Jul 09 (Wed)	17:54 120	23:23 43S	03:58 240
2025 Jul 10 (Thu)	18:47 119		04:53 240
2025 Jul 11 (Fri)	19:36 116	00:18 45S	05:51 242
2025 Jul 12 (Sat)	20:21 112	01:12 48S	06:50 246
2025 Jul 13 (Sun)	21:03 106	02:03 52S	07:48 251
2025 Jul 14 (Mon)	21:41 100	02:52 57S	08:45 257
2025 Jul 15 (Tue)	22:18 93	03:39 64S	09:41 263
2025 Jul 16 (Wed)	22:55 86	04:25 71S	10:37 271
2025 Jul 17 (Thu)	23:33 79	05:12 77S	11:33 278
2025 Jul 18 (Fri)		06:00 84S	12:32 285
2025 Jul 19 (Sat)	00:15 72	06:52 90S	13:34 291
2025 Jul 20 (Sun)	01:01 67	07:48 86N	14:38 296
2025 Jul 21 (Mon)	01:53 62	08:48 82N	15:45 299
2025 Jul 22 (Tue)	02:52 60	09:51 81N	16:50 300
2025 Jul 23 (Wed)	03:55 60	10:54 81N	17:51 299
2025 Jul 24 (Thu)	05:00 62	11:55 84N	18:45 296
2025 Jul 25 (Fri)	06:04 66	12:51 88N	19:33 291
2025 Jul 26 (Sat)	07:04 71	13:42 88S	20:14 286
2025 Jul 27 (Sun)	08:00 77	14:28 82S	20:51 279
2025 Jul 28 (Mon)	08:53 84	15:11 76S	21:25 273
2025 Jul 29 (Tue)	09:43 90	15:52 70S	21:57 267
2025 Jul 30 (Wed)	10:31 97	16:33 64S	22:30 260
2025 Jul 31 (Thu)	11:20 103	17:13 58S	23:03 255
2025 Aug 01 (Fri)	12:10 108	17:56 53S	23:38 250
2025 Aug 02 (Sat)	13:01 113	18:40 49S	
2025 Aug 03 (Sun)	13:54 117	19:28 46S	00:17 245
2025 Aug 04 (Mon)	14:49 119	20:19 44S	01:00 242
2025 Aug 05 (Tue)	15:44 120	21:13 43S	01:49 240
2025 Aug 06 (Wed)	16:38 120	22:08 44S	02:42 240
2025 Aug 07 (Thu)	17:29 118	23:02 46S	03:39 241
2025 Aug 08 (Fri)	18:16 114	23:55 50S	04:38 244
2025 Aug 09 (Sat)	18:59 109		05:38 249
2025 Aug 10 (Sun)	19:40 102	00:46 55S	06:36 254
2025 Aug 11 (Mon)	20:18 95	01:35 62S	07:34 261
2025 Aug 12 (Tue)	20:55 88	02:22 68S	08:31 268
2025 Aug 13 (Wed)	21:34 81	03:09 75S	09:28 276
2025 Aug 14 (Thu)	22:14 74	03:58 82S	10:27 283
2025 Aug 15 (Fri)	22:59 68	04:48 89S	11:28 289
2025 Aug 16 (Sat)	23:49 63	05:43 87N	12:31 295
2025 Aug 17 (Sun)		06:41 83N	13:36 298
2025 Aug 18 (Mon)	00:44 61	07:42 81N	14:41 300
2025 Aug 19 (Tue)	01:45 60	08:44 81N	15:42 300
2025 Aug 20 (Wed)	02:48 61	09:44 83N	16:38 297
2025 Aug 21 (Thu)	03:51 64	10:41 86N	17:27 293
2025 Aug 22 (Fri)	04:52 69	11:33 91S	18:10 288
2025 Aug 23 (Sat)	05:49 75	12:21 85S	18:48 282
2025 Aug 24 (Sun)	06:43 81	13:05 79S	19:23 276
2025 Aug 25 (Mon)	07:34 87	13:47 73S	19:56 269
2025 Aug 26 (Tue)	08:23 94	14:28 66S	20:28 263
2025 Aug 27 (Wed)	09:12 100	15:08 61S	21:01 257
2025 Aug 28 (Thu)	10:02 106	15:50 55S	21:35 252
2025 Aug 29 (Fri)	10:52 111	16:34 51S	22:13 247

2025 Aug 30 (Sat)	11:44 115	17:20 47S	22:54 243
2025 Aug 31 (Sun)	12:38 118	18:10 44S	23:40 241
2025 Sep 01 (Mon)	13:33 120	19:02 43S	
2025 Sep 02 (Tue)	14:26 120	19:55 43S	00:30 240
2025 Sep 03 (Wed)	15:18 119	20:50 45S	01:25 240
2025 Sep 04 (Thu)	16:07 116	21:43 48S	02:23 242
2025 Sep 05 (Fri)	16:52 111	22:35 53S	03:22 246
2025 Sep 06 (Sat)	17:34 105	23:25 59S	04:22 252
2025 Sep 07 (Sun)	18:13 98		05:20 258
2025 Sep 08 (Mon)	18:52 91	00:14 65S	06:19 265
2025 Sep 09 (Tue)	19:31 84	01:02 73S	07:17 273
2025 Sep 10 (Wed)	20:12 76	01:51 80S	08:17 280
2025 Sep 11 (Thu)	20:56 70	02:42 87S	09:19 287
2025 Sep 12 (Fri)	21:45 65	03:37 89N	10:23 293
2025 Sep 13 (Sat)	22:39 61	04:35 84N	11:29 298
2025 Sep 14 (Sun)	23:39 60	05:36 81N	12:34 300
2025 Sep 15 (Mon)		06:38 81N	13:37 300
2025 Sep 16 (Tue)	00:41 60	07:39 82N	14:34 298
2025 Sep 17 (Wed)	01:44 63	08:36 85N	15:24 295
2025 Sep 18 (Thu)	02:44 67	09:28 89N	16:08 290
2025 Sep 19 (Fri)	03:41 73	10:16 87S	16:47 284
2025 Sep 20 (Sat)	04:35 79	11:01 81S	17:22 278
2025 Sep 21 (Sun)	05:27 85	11:43 75S	17:55 272
2025 Sep 22 (Mon)	06:16 91	12:24 69S	18:28 265
2025 Sep 23 (Tue)	07:05 98	13:05 63S	19:00 259
2025 Sep 24 (Wed)	07:54 104	13:46 57S	19:34 254
2025 Sep 25 (Thu)	08:45 109	14:29 52S	20:10 249
2025 Sep 26 (Fri)	09:36 114	15:14 48S	20:50 245
2025 Sep 27 (Sat)	10:29 117	16:02 45S	21:34 242
2025 Sep 28 (Sun)	11:23 120	16:53 43S	22:22 240
2025 Sep 29 (Mon)	12:17 120	17:45 43S	23:14 240
2025 Sep 30 (Tue)	13:08 120	18:38 44S	
2025 Oct 01 (Wed)	13:57 117	19:31 46S	00:10 241
2025 Oct 02 (Thu)	14:43 113	20:22 50S	01:07 244
2025 Oct 03 (Fri)	15:25 108	21:12 56S	02:05 249
2025 Oct 04 (Sat)	16:05 102	22:01 62S	03:03 255
2025 Oct 05 (Sun)	16:44 95	22:49 69S	04:01 261
2025 Oct 06 (Mon)	17:23 87	23:39 76S	04:59 269
2025 Oct 07 (Tue)	18:04 80		05:59 277
2025 Oct 08 (Wed)	18:48 73	00:30 83S	07:02 284
2025 Oct 09 (Thu)	19:36 67	01:25 90S	08:07 291
2025 Oct 10 (Fri)	20:31 62	02:23 86N	09:15 296
2025 Oct 11 (Sat)	21:31 60	03:26 82N	10:23 299
2025 Oct 12 (Sun)	22:34 60	04:30 81N	11:29 300
2025 Oct 13 (Mon)	23:38 62	05:32 81N	12:29 299
2025 Oct 14 (Tue)		06:31 84N	13:22 296
2025 Oct 15 (Wed)	00:39 66	07:25 88N	14:08 292
2025 Oct 16 (Thu)	01:37 71	08:15 89S	14:48 286
2025 Oct 17 (Fri)	02:31 77	09:00 83S	15:24 280
2025 Oct 18 (Sat)	03:23 83	09:42 77S	15:57 274
2025 Oct 19 (Sun)	04:12 89	10:23 71S	16:29 268
2025 Oct 20 (Mon)	05:01 96	11:03 65S	17:01 261
2025 Oct 21 (Tue)	05:49 102	11:44 59S	17:34 256
2025 Oct 22 (Wed)	06:39 107	12:26 54S	18:10 250
2025 Oct 23 (Thu)	07:30 112	13:11 50S	18:48 246
2025 Oct 24 (Fri)	08:23 116	13:58 46S	19:30 243
2025 Oct 25 (Sat)	09:16 119	14:47 44S	20:17 240
2025 Oct 26 (Sun)	10:10 120	15:39 43S	21:07 240
2025 Oct 27 (Mon)	11:01 120	16:31 43S	22:01 241
2025 Oct 28 (Tue)	11:50 118	17:22 45S	22:56 243
2025 Oct 29 (Wed)	12:36 115	18:13 49S	23:53 247
2025 Oct 30 (Thu)	13:19 110	19:02 53S	
2025 Oct 31 (Fri)	13:58 105	19:49 59S	00:49 252
2025 Nov 01 (Sat)	14:36 98	20:37 65S	01:45 258
2025 Nov 02 (Sun)	15:14 91	21:24 72S	02:41 265
2025 Nov 03 (Mon)	15:53 84	22:14 80S	03:39 273
2025 Nov 04 (Tue)	16:35 76	23:07 87S	04:39 280
2025 Nov 05 (Wed)	17:22 70		05:44 287
2025 Nov 06 (Thu)	18:15 64	00:04 89N	06:51 293
2025 Nov 07 (Fri)	19:14 61	01:07 84N	08:02 298
2025 Nov 08 (Sat)	20:19 60	02:12 81N	09:12 300
2025 Nov 09 (Sun)	21:25 61	03:18 81N	10:17 300

2025 Nov 10 (Mon)	22:30 65	04:22 83N	11:15 297
2025 Nov 11 (Tue)	23:31 69	05:19 86N	12:04 293
2025 Nov 12 (Wed)		06:11 90S	12:47 288
2025 Nov 13 (Thu)	00:27 75	06:58 85S	13:25 282
2025 Nov 14 (Fri)	01:20 81	07:42 79S	13:59 276
2025 Nov 15 (Sat)	02:10 87	08:23 73S	14:31 269
2025 Nov 16 (Sun)	02:58 94	09:03 67S	15:03 263
2025 Nov 17 (Mon)	03:46 100	09:43 61S	15:36 257
2025 Nov 18 (Tue)	04:35 106	10:25 56S	16:10 252
2025 Nov 19 (Wed)	05:26 111	11:08 51S	16:48 247
2025 Nov 20 (Thu)	06:18 115	11:54 47S	17:29 244
2025 Nov 21 (Fri)	07:11 118	12:43 45S	18:14 241
2025 Nov 22 (Sat)	08:05 120	13:34 43S	19:03 240
2025 Nov 23 (Sun)	08:57 120	14:26 43S	19:56 240
2025 Nov 24 (Mon)	09:47 119	15:18 45S	20:51 242
2025 Nov 25 (Tue)	10:33 116	16:08 48S	21:46 246
2025 Nov 26 (Wed)	11:16 112	16:57 52S	22:41 250
2025 Nov 27 (Thu)	11:55 107	17:43 57S	23:35 256
2025 Nov 28 (Fri)	12:33 101	18:29 63S	
2025 Nov 29 (Sat)	13:09 94	19:14 69S	00:29 262
2025 Nov 30 (Sun)	13:46 87	20:01 76S	01:24 269
2025 Dec 01 (Mon)	14:25 80	20:50 83S	02:21 277
2025 Dec 02 (Tue)	15:08 73	21:44 90S	03:21 284
2025 Dec 03 (Wed)	15:56 67	22:43 86N	04:26 290
2025 Dec 04 (Thu)	16:52 63	23:48 83N	05:35 296
2025 Dec 05 (Fri)	17:56 60		06:46 299
2025 Dec 06 (Sat)	19:03 60	00:55 81N	07:55 300
2025 Dec 07 (Sun)	20:12 63	02:02 82N	08:58 298
2025 Dec 08 (Mon)	21:17 67	03:05 85N	09:54 295
2025 Dec 09 (Tue)	22:17 73	04:01 89N	10:41 290
2025 Dec 10 (Wed)	23:13 79	04:52 87S	11:22 284
2025 Dec 11 (Thu)		05:38 81S	11:58 278
2025 Dec 12 (Fri)	00:05 85	06:21 75S	12:32 271
2025 Dec 13 (Sat)	00:54 92	07:01 68S	13:04 265
2025 Dec 14 (Sun)	01:43 98	07:42 63S	13:37 259
2025 Dec 15 (Mon)	02:32 104	08:23 57S	14:11 253
2025 Dec 16 (Tue)	03:21 109	09:06 52S	14:47 249
2025 Dec 17 (Wed)	04:13 114	09:51 48S	15:27 245
2025 Dec 18 (Thu)	05:06 117	10:39 45S	16:11 242
2025 Dec 19 (Fri)	06:00 119	11:30 44S	16:59 240
2025 Dec 20 (Sat)	06:53 120	12:22 43S	17:52 240
2025 Dec 21 (Sun)	07:44 119	13:14 44S	18:46 242
2025 Dec 22 (Mon)	08:31 117	14:05 47S	19:42 245
2025 Dec 23 (Tue)	09:15 113	14:55 51S	20:37 249
2025 Dec 24 (Wed)	09:55 108	15:41 55S	21:31 254
2025 Dec 25 (Thu)	10:33 103	16:27 61S	22:25 260
2025 Dec 26 (Fri)	11:09 96	17:11 67S	23:18 267
2025 Dec 27 (Sat)	11:44 89	17:56 74S	
2025 Dec 28 (Sun)	12:21 82	18:42 81S	00:12 274
2025 Dec 29 (Mon)	13:00 76	19:32 87S	01:08 281
2025 Dec 30 (Tue)	13:44 70	20:26 89N	02:08 288
2025 Dec 31 (Wed)	14:35 64	21:26 84N	03:13 293