

Sun

Loei

Location: E101°42'17.9", N17°31'22.7", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

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

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

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

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

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

2024	Dec 14	(Sat)	05:44	06:35	114	12:08	50S	17:41	246	18:31
2024	Dec 15	(Sun)	05:45	06:36	114	12:08	50S	17:41	246	18:32
2024	Dec 16	(Mon)	05:46	06:36	114	12:09	50S	17:42	246	18:32
2024	Dec 17	(Tue)	05:46	06:37	114	12:09	50S	17:42	246	18:33
2024	Dec 18	(Wed)	05:47	06:37	114	12:10	50S	17:42	246	18:33
2024	Dec 19	(Thu)	05:47	06:38	114	12:10	50S	17:43	246	18:34
2024	Dec 20	(Fri)	05:48	06:38	114	12:11	50S	17:43	246	18:34
2024	Dec 21	(Sat)	05:48	06:39	114	12:11	50S	17:44	246	18:35
2024	Dec 22	(Sun)	05:49	06:39	114	12:12	50S	17:44	246	18:35
2024	Dec 23	(Mon)	05:49	06:40	114	12:12	50S	17:45	246	18:36
2024	Dec 24	(Tue)	05:50	06:40	114	12:13	50S	17:45	246	18:36
2024	Dec 25	(Wed)	05:50	06:41	114	12:13	50S	17:46	246	18:37
2024	Dec 26	(Thu)	05:50	06:41	114	12:14	50S	17:46	246	18:37
2024	Dec 27	(Fri)	05:51	06:42	114	12:14	50S	17:47	246	18:38
2024	Dec 28	(Sat)	05:51	06:42	114	12:15	50S	17:48	246	18:38
2024	Dec 29	(Sun)	05:52	06:42	114	12:15	50S	17:48	246	18:39
2024	Dec 30	(Mon)	05:52	06:43	114	12:16	50S	17:49	246	18:39
2024	Dec 31	(Tue)	05:53	06:43	114	12:16	50S	17:49	246	18:40

Sun

Loei

Location: E101°42'17.9", N17°31'22.7", 0m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)				Begin	Rise	Az.	Transit	Alt.	Set	Az.	End
				Civil						Civil	
				Twilight						Twilight	
				h m	h m °		h m °		h m °		h m
2024	Jan	01	(Mon)	06:20	06:43	114	12:16	50S	17:49	246	18:13
2024	Jan	02	(Tue)	06:20	06:44	114	12:17	50S	17:50	246	18:14
2024	Jan	03	(Wed)	06:20	06:44	114	12:17	50S	17:51	246	18:14
2024	Jan	04	(Thu)	06:21	06:44	114	12:18	50S	17:51	246	18:15
2024	Jan	05	(Fri)	06:21	06:45	114	12:18	51S	17:52	246	18:15
2024	Jan	06	(Sat)	06:21	06:45	113	12:19	51S	17:53	247	18:16
2024	Jan	07	(Sun)	06:22	06:45	113	12:19	51S	17:53	247	18:17
2024	Jan	08	(Mon)	06:22	06:45	113	12:20	51S	17:54	247	18:17
2024	Jan	09	(Tue)	06:22	06:46	113	12:20	51S	17:54	247	18:18
2024	Jan	10	(Wed)	06:23	06:46	113	12:20	51S	17:55	247	18:18
2024	Jan	11	(Thu)	06:23	06:46	113	12:21	51S	17:56	247	18:19
2024	Jan	12	(Fri)	06:23	06:46	113	12:21	51S	17:56	247	18:20
2024	Jan	13	(Sat)	06:23	06:46	112	12:22	52S	17:57	248	18:20
2024	Jan	14	(Sun)	06:23	06:47	112	12:22	52S	17:57	248	18:21
2024	Jan	15	(Mon)	06:23	06:47	112	12:22	52S	17:58	248	18:21
2024	Jan	16	(Tue)	06:24	06:47	112	12:23	52S	17:59	248	18:22
2024	Jan	17	(Wed)	06:24	06:47	112	12:23	52S	17:59	248	18:22
2024	Jan	18	(Thu)	06:24	06:47	111	12:23	53S	18:00	249	18:23
2024	Jan	19	(Fri)	06:24	06:47	111	12:24	53S	18:01	249	18:24
2024	Jan	20	(Sat)	06:24	06:47	111	12:24	53S	18:01	249	18:24
2024	Jan	21	(Sun)	06:24	06:47	111	12:24	53S	18:02	249	18:25
2024	Jan	22	(Mon)	06:24	06:47	111	12:25	53S	18:02	250	18:25
2024	Jan	23	(Tue)	06:24	06:47	110	12:25	54S	18:03	250	18:26
2024	Jan	24	(Wed)	06:24	06:47	110	12:25	54S	18:04	250	18:26
2024	Jan	25	(Thu)	06:24	06:47	110	12:25	54S	18:04	250	18:27
2024	Jan	26	(Fri)	06:24	06:47	110	12:26	54S	18:05	251	18:28
2024	Jan	27	(Sat)	06:24	06:46	109	12:26	55S	18:05	251	18:28
2024	Jan	28	(Sun)	06:23	06:46	109	12:26	55S	18:06	251	18:29
2024	Jan	29	(Mon)	06:23	06:46	109	12:26	55S	18:06	251	18:29
2024	Jan	30	(Tue)	06:23	06:46	108	12:26	55S	18:07	252	18:30
2024	Jan	31	(Wed)	06:23	06:46	108	12:26	56S	18:07	252	18:30
2024	Feb	01	(Thu)	06:23	06:46	108	12:27	56S	18:08	252	18:31
2024	Feb	02	(Fri)	06:23	06:45	108	12:27	56S	18:08	253	18:31
2024	Feb	03	(Sat)	06:22	06:45	107	12:27	57S	18:09	253	18:32
2024	Feb	04	(Sun)	06:22	06:45	107	12:27	57S	18:09	253	18:32
2024	Feb	05	(Mon)	06:22	06:44	107	12:27	57S	18:10	253	18:32
2024	Feb	06	(Tue)	06:22	06:44	106	12:27	57S	18:10	254	18:33
2024	Feb	07	(Wed)	06:21	06:44	106	12:27	58S	18:11	254	18:33
2024	Feb	08	(Thu)	06:21	06:43	106	12:27	58S	18:11	254	18:34
2024	Feb	09	(Fri)	06:21	06:43	105	12:27	58S	18:12	255	18:34
2024	Feb	10	(Sat)	06:20	06:43	105	12:27	59S	18:12	255	18:35

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

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

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

2024	Sep	14	(Sat)	05:39	06:01	86	12:09	76S	18:16	274	18:38
2024	Sep	15	(Sun)	05:39	06:01	87	12:08	76S	18:15	273	18:37
2024	Sep	16	(Mon)	05:40	06:01	87	12:08	76S	18:14	273	18:36
2024	Sep	17	(Tue)	05:40	06:01	87	12:08	75S	18:13	272	18:35
2024	Sep	18	(Wed)	05:40	06:02	88	12:07	75S	18:13	272	18:34
2024	Sep	19	(Thu)	05:40	06:02	88	12:07	74S	18:12	272	18:33
2024	Sep	20	(Fri)	05:40	06:02	89	12:07	74S	18:11	271	18:33
2024	Sep	21	(Sat)	05:40	06:02	89	12:06	74S	18:10	271	18:32
2024	Sep	22	(Sun)	05:40	06:02	90	12:06	73S	18:09	270	18:31
2024	Sep	23	(Mon)	05:41	06:02	90	12:05	73S	18:08	270	18:30
2024	Sep	24	(Tue)	05:41	06:02	90	12:05	73S	18:08	269	18:29
2024	Sep	25	(Wed)	05:41	06:03	91	12:05	72S	18:07	269	18:28
2024	Sep	26	(Thu)	05:41	06:03	91	12:04	72S	18:06	269	18:28
2024	Sep	27	(Fri)	05:41	06:03	92	12:04	71S	18:05	268	18:27
2024	Sep	28	(Sat)	05:41	06:03	92	12:04	71S	18:04	268	18:26
2024	Sep	29	(Sun)	05:41	06:03	92	12:03	71S	18:03	267	18:25
2024	Sep	30	(Mon)	05:42	06:03	93	12:03	70S	18:03	267	18:24
2024	Oct	01	(Tue)	05:42	06:04	93	12:03	70S	18:02	267	18:23
2024	Oct	02	(Wed)	05:42	06:04	94	12:02	69S	18:01	266	18:23
2024	Oct	03	(Thu)	05:42	06:04	94	12:02	69S	18:00	266	18:22
2024	Oct	04	(Fri)	05:42	06:04	94	12:02	69S	17:59	265	18:21
2024	Oct	05	(Sat)	05:42	06:04	95	12:02	68S	17:59	265	18:20
2024	Oct	06	(Sun)	05:43	06:04	95	12:01	68S	17:58	265	18:20
2024	Oct	07	(Mon)	05:43	06:05	96	12:01	67S	17:57	264	18:19
2024	Oct	08	(Tue)	05:43	06:05	96	12:01	67S	17:56	264	18:18
2024	Oct	09	(Wed)	05:43	06:05	96	12:00	67S	17:56	263	18:17
2024	Oct	10	(Thu)	05:43	06:05	97	12:00	66S	17:55	263	18:17
2024	Oct	11	(Fri)	05:44	06:05	97	12:00	66S	17:54	263	18:16
2024	Oct	12	(Sat)	05:44	06:06	98	12:00	66S	17:53	262	18:15
2024	Oct	13	(Sun)	05:44	06:06	98	11:59	65S	17:53	262	18:14
2024	Oct	14	(Mon)	05:44	06:06	98	11:59	65S	17:52	261	18:14
2024	Oct	15	(Tue)	05:45	06:06	99	11:59	64S	17:51	261	18:13
2024	Oct	16	(Wed)	05:45	06:07	99	11:59	64S	17:51	261	18:12
2024	Oct	17	(Thu)	05:45	06:07	100	11:58	64S	17:50	260	18:12
2024	Oct	18	(Fri)	05:45	06:07	100	11:58	63S	17:49	260	18:11
2024	Oct	19	(Sat)	05:45	06:07	100	11:58	63S	17:49	260	18:11
2024	Oct	20	(Sun)	05:46	06:08	101	11:58	63S	17:48	259	18:10
2024	Oct	21	(Mon)	05:46	06:08	101	11:58	62S	17:47	259	18:09
2024	Oct	22	(Tue)	05:46	06:08	101	11:58	62S	17:47	258	18:09
2024	Oct	23	(Wed)	05:47	06:09	102	11:57	62S	17:46	258	18:08
2024	Oct	24	(Thu)	05:47	06:09	102	11:57	61S	17:45	258	18:08
2024	Oct	25	(Fri)	05:47	06:09	103	11:57	61S	17:45	257	18:07
2024	Oct	26	(Sat)	05:47	06:10	103	11:57	61S	17:44	257	18:07
2024	Oct	27	(Sun)	05:48	06:10	103	11:57	60S	17:44	257	18:06
2024	Oct	28	(Mon)	05:48	06:10	104	11:57	60S	17:43	256	18:06
2024	Oct	29	(Tue)	05:48	06:11	104	11:57	60S	17:43	256	18:05
2024	Oct	30	(Wed)	05:49	06:11	104	11:57	59S	17:42	256	18:05
2024	Oct	31	(Thu)	05:49	06:11	105	11:57	59S	17:42	255	18:04
2024	Nov	01	(Fri)	05:50	06:12	105	11:57	59S	17:41	255	18:04
2024	Nov	02	(Sat)	05:50	06:12	105	11:57	58S	17:41	255	18:03
2024	Nov	03	(Sun)	05:50	06:13	106	11:57	58S	17:41	254	18:03
2024	Nov	04	(Mon)	05:51	06:13	106	11:57	58S	17:40	254	18:03
2024	Nov	05	(Tue)	05:51	06:14	106	11:57	57S	17:40	254	18:02
2024	Nov	06	(Wed)	05:51	06:14	107	11:57	57S	17:39	253	18:02
2024	Nov	07	(Thu)	05:52	06:14	107	11:57	57S	17:39	253	18:02
2024	Nov	08	(Fri)	05:52	06:15	107	11:57	56S	17:39	253	18:01
2024	Nov	09	(Sat)	05:53	06:15	108	11:57	56S	17:38	252	18:01
2024	Nov	10	(Sun)	05:53	06:16	108	11:57	56S	17:38	252	18:01
2024	Nov	11	(Mon)	05:54	06:16	108	11:57	56S	17:38	252	18:01
2024	Nov	12	(Tue)	05:54	06:17	108	11:57	55S	17:38	251	18:00
2024	Nov	13	(Wed)	05:55	06:17	109	11:57	55S	17:37	251	18:00
2024	Nov	14	(Thu)	05:55	06:18	109	11:58	55S	17:37	251	18:00
2024	Nov	15	(Fri)	05:56	06:18	109	11:58	55S	17:37	251	18:00
2024	Nov	16	(Sat)	05:56	06:19	109	11:58	54S	17:37	250	18:00
2024	Nov	17	(Sun)	05:57	06:19	110	11:58	54S	17:37	250	18:00
2024	Nov	18	(Mon)	05:57	06:20	110	11:58	54S	17:37	250	18:00
2024	Nov	19	(Tue)	05:58	06:21	110	11:59	54S	17:37	250	18:00
2024	Nov	20	(Wed)	05:58	06:21	110	11:59	53S	17:36	249	17:59
2024	Nov	21	(Thu)	05:59	06:22	111	11:59	53S	17:36	249	17:59
2024	Nov	22	(Fri)	05:59	06:22	111	11:59	53S	17:36	249	17:59
2024	Nov	23	(Sat)	06:00	06:23	111	12:00	53S	17:36	249	17:59
2024	Nov	24	(Sun)	06:00	06:23	111	12:00	53S	17:36	249	17:59

2024	Nov	25	(Mon)	06:01	06:24	112	12:00	52S	17:36	248	18:00
2024	Nov	26	(Tue)	06:01	06:24	112	12:01	52S	17:36	248	18:00
2024	Nov	27	(Wed)	06:02	06:25	112	12:01	52S	17:36	248	18:00
2024	Nov	28	(Thu)	06:02	06:26	112	12:01	52S	17:37	248	18:00
2024	Nov	29	(Fri)	06:03	06:26	112	12:02	52S	17:37	248	18:00
2024	Nov	30	(Sat)	06:04	06:27	113	12:02	51S	17:37	247	18:00
2024	Dec	01	(Sun)	06:04	06:27	113	12:02	51S	17:37	247	18:00
2024	Dec	02	(Mon)	06:05	06:28	113	12:03	51S	17:37	247	18:01
2024	Dec	03	(Tue)	06:05	06:29	113	12:03	51S	17:37	247	18:01
2024	Dec	04	(Wed)	06:06	06:29	113	12:03	51S	17:38	247	18:01
2024	Dec	05	(Thu)	06:06	06:30	113	12:04	51S	17:38	247	18:01
2024	Dec	06	(Fri)	06:07	06:30	113	12:04	51S	17:38	247	18:02
2024	Dec	07	(Sat)	06:08	06:31	114	12:05	51S	17:38	246	18:02
2024	Dec	08	(Sun)	06:08	06:32	114	12:05	50S	17:39	246	18:02
2024	Dec	09	(Mon)	06:09	06:32	114	12:06	50S	17:39	246	18:02
2024	Dec	10	(Tue)	06:09	06:33	114	12:06	50S	17:39	246	18:03
2024	Dec	11	(Wed)	06:10	06:33	114	12:07	50S	17:40	246	18:03
2024	Dec	12	(Thu)	06:10	06:34	114	12:07	50S	17:40	246	18:03
2024	Dec	13	(Fri)	06:11	06:35	114	12:07	50S	17:40	246	18:04
2024	Dec	14	(Sat)	06:12	06:35	114	12:08	50S	17:41	246	18:04
2024	Dec	15	(Sun)	06:12	06:36	114	12:08	50S	17:41	246	18:05
2024	Dec	16	(Mon)	06:13	06:36	114	12:09	50S	17:42	246	18:05
2024	Dec	17	(Tue)	06:13	06:37	114	12:09	50S	17:42	246	18:06
2024	Dec	18	(Wed)	06:14	06:37	114	12:10	50S	17:42	246	18:06
2024	Dec	19	(Thu)	06:14	06:38	114	12:10	50S	17:43	246	18:06
2024	Dec	20	(Fri)	06:15	06:38	114	12:11	50S	17:43	246	18:07
2024	Dec	21	(Sat)	06:15	06:39	114	12:11	50S	17:44	246	18:07
2024	Dec	22	(Sun)	06:16	06:39	114	12:12	50S	17:44	246	18:08
2024	Dec	23	(Mon)	06:16	06:40	114	12:12	50S	17:45	246	18:08
2024	Dec	24	(Tue)	06:17	06:40	114	12:13	50S	17:45	246	18:09
2024	Dec	25	(Wed)	06:17	06:41	114	12:13	50S	17:46	246	18:10
2024	Dec	26	(Thu)	06:18	06:41	114	12:14	50S	17:46	246	18:10
2024	Dec	27	(Fri)	06:18	06:42	114	12:14	50S	17:47	246	18:11
2024	Dec	28	(Sat)	06:18	06:42	114	12:15	50S	17:48	246	18:11
2024	Dec	29	(Sun)	06:19	06:42	114	12:15	50S	17:48	246	18:12
2024	Dec	30	(Mon)	06:19	06:43	114	12:16	50S	17:49	246	18:12
2024	Dec	31	(Tue)	06:20	06:43	114	12:16	50S	17:49	246	18:13

Moon

Loei

Location: E101°42'17.9", N17°31'22.7", 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)	22:23	80		04:04	86S		10:30	282	
2024 Jan 02 (Tue)	23:10	86		04:45	81S		11:02	277	
2024 Jan 03 (Wed)	23:56	92		05:24	75S		11:34	271	
2024 Jan 04 (Thu)				06:03	69S		12:06	265	
2024 Jan 05 (Fri)	00:44	98		06:43	63S		12:39	259	
2024 Jan 06 (Sat)	01:33	104		07:26	58S		13:15	253	
2024 Jan 07 (Sun)	02:27	110		08:13	53S		13:56	248	
2024 Jan 08 (Mon)	03:24	114		09:04	49S		14:43	244	
2024 Jan 09 (Tue)	04:25	118		10:02	46S		15:37	241	
2024 Jan 10 (Wed)	05:29	120		11:03	44S		16:38	240	
2024 Jan 11 (Thu)	06:32	119		12:07	45S		17:44	242	
2024 Jan 12 (Fri)	07:31	117		13:10	48S		18:51	245	
2024 Jan 13 (Sat)	08:25	112		14:09	53S		19:57	250	
2024 Jan 14 (Sun)	09:13	106		15:05	59S		21:01	257	
2024 Jan 15 (Mon)	09:56	99		15:56	66S		22:01	264	
2024 Jan 16 (Tue)	10:36	92		16:45	73S		22:58	272	
2024 Jan 17 (Wed)	11:15	85		17:33	80S		23:55	279	
2024 Jan 18 (Thu)	11:54	78		18:21	86S				
2024 Jan 19 (Fri)	12:35	72		19:10	90N		00:52	285	
2024 Jan 20 (Sat)	13:19	67		20:02	85N		01:50	291	
2024 Jan 21 (Sun)	14:06	63		20:55	82N		02:48	295	
2024 Jan 22 (Mon)	14:58	61		21:51	80N		03:47	298	
2024 Jan 23 (Tue)	15:52	60		22:46	80N		04:44	300	

2024	Jan	24	(Wed)	16:48	62	23:39	82N	05:39	299
2024	Jan	25	(Thu)	17:44	64			06:28	297
2024	Jan	26	(Fri)	18:37	68	00:30	84N	07:13	294
2024	Jan	27	(Sat)	19:28	73	01:17	88N	07:53	289
2024	Jan	28	(Sun)	20:17	78	02:00	88S	08:29	284
2024	Jan	29	(Mon)	21:04	84	02:42	83S	09:02	279
2024	Jan	30	(Tue)	21:51	90	03:21	77S	09:34	273
2024	Jan	31	(Wed)	22:37	96	04:00	71S	10:05	267
2024	Feb	01	(Thu)	23:25	102	04:39	65S	10:37	261
2024	Feb	02	(Fri)			05:20	60S	11:11	255
2024	Feb	03	(Sat)	00:16	108	06:04	55S	11:49	250
2024	Feb	04	(Sun)	01:10	113	06:52	50S	12:32	245
2024	Feb	05	(Mon)	02:07	117	07:45	47S	13:21	242
2024	Feb	06	(Tue)	03:09	119	08:43	45S	14:17	240
2024	Feb	07	(Wed)	04:11	120	09:45	44S	15:20	241
2024	Feb	08	(Thu)	05:12	118	10:48	46S	16:27	243
2024	Feb	09	(Fri)	06:09	115	11:50	50S	17:35	248
2024	Feb	10	(Sat)	07:00	109	12:49	56S	18:41	254
2024	Feb	11	(Sun)	07:47	103	13:43	62S	19:45	261
2024	Feb	12	(Mon)	08:30	95	14:35	70S	20:46	269
2024	Feb	13	(Tue)	09:11	88	15:25	77S	21:45	276
2024	Feb	14	(Wed)	09:51	80	16:15	84S	22:44	283
2024	Feb	15	(Thu)	10:32	74	17:05	90S	23:43	289
2024	Feb	16	(Fri)	11:16	68	17:57	86N		
2024	Feb	17	(Sat)	12:03	64	18:51	82N	00:42	294
2024	Feb	18	(Sun)	12:54	61	19:46	80N	01:42	298
2024	Feb	19	(Mon)	13:48	60	20:41	80N	02:40	300
2024	Feb	20	(Tue)	14:43	61	21:35	81N	03:35	300
2024	Feb	21	(Wed)	15:38	63	22:26	83N	04:26	298
2024	Feb	22	(Thu)	16:32	67	23:14	87N	05:11	295
2024	Feb	23	(Fri)	17:24	71	23:58	90S	05:52	291
2024	Feb	24	(Sat)	18:13	76			06:29	286
2024	Feb	25	(Sun)	19:01	82	00:40	85S	07:03	281
2024	Feb	26	(Mon)	19:47	88	01:20	79S	07:35	275
2024	Feb	27	(Tue)	20:34	94	01:59	73S	08:07	269
2024	Feb	28	(Wed)	21:21	100	02:38	67S	08:38	263
2024	Feb	29	(Thu)	22:10	106	03:18	62S	09:11	257
2024	Mar	01	(Fri)	23:02	111	04:00	56S	09:47	252
2024	Mar	02	(Sat)	23:57	115	04:46	52S	10:27	247
2024	Mar	03	(Sun)			05:36	48S	11:12	243
2024	Mar	04	(Mon)	00:55	119	06:30	45S	12:04	241
2024	Mar	05	(Tue)	01:55	120	07:28	44S	13:02	240
2024	Mar	06	(Wed)	02:55	120	08:29	45S	14:05	241
2024	Mar	07	(Thu)	03:52	117	09:30	48S	15:11	245
2024	Mar	08	(Fri)	04:45	113	10:29	52S	16:17	250
2024	Mar	09	(Sat)	05:34	106	11:26	59S	17:22	257
2024	Mar	10	(Sun)	06:18	99	12:19	66S	18:25	264
2024	Mar	11	(Mon)	07:01	92	13:11	73S	19:26	272
2024	Mar	12	(Tue)	07:42	84	14:02	81S	20:27	280
2024	Mar	13	(Wed)	08:24	76	14:54	88S	21:28	287
2024	Mar	14	(Thu)	09:09	70	15:47	88N	22:30	293
2024	Mar	15	(Fri)	09:56	65	16:43	83N	23:32	297
2024	Mar	16	(Sat)	10:47	62	17:39	81N		
2024	Mar	17	(Sun)	11:41	60	18:36	80N	00:33	299
2024	Mar	18	(Mon)	12:37	60	19:31	80N	01:30	300
2024	Mar	19	(Tue)	13:33	62	20:23	82N	02:23	299
2024	Mar	20	(Wed)	14:28	65	21:12	86N	03:10	296
2024	Mar	21	(Thu)	15:20	70	21:57	90N	03:52	293
2024	Mar	22	(Fri)	16:10	75	22:39	86S	04:30	288
2024	Mar	23	(Sat)	16:58	80	23:19	81S	05:05	283
2024	Mar	24	(Sun)	17:44	86	23:58	75S	05:37	277
2024	Mar	25	(Mon)	18:31	92			06:09	271
2024	Mar	26	(Tue)	19:18	98	00:37	69S	06:40	265
2024	Mar	27	(Wed)	20:07	104	01:17	63S	07:13	259
2024	Mar	28	(Thu)	20:58	110	01:59	58S	07:48	253
2024	Mar	29	(Fri)	21:52	114	02:43	53S	08:26	248
2024	Mar	30	(Sat)	22:48	118	03:32	49S	09:09	244
2024	Mar	31	(Sun)	23:47	120	04:24	46S	09:58	241
2024	Apr	01	(Mon)			05:20	44S	10:53	240
2024	Apr	02	(Tue)	00:45	120	06:18	44S	11:52	240
2024	Apr	03	(Wed)	01:42	118	07:17	46S	12:55	243
2024	Apr	04	(Thu)	02:34	115	08:15	50S	13:59	247

2024 Apr 05 (Fri)	03:23 110	09:11 55S	15:02 253
2024 Apr 06 (Sat)	04:08 103	10:04 62S	16:04 260
2024 Apr 07 (Sun)	04:50 96	10:55 69S	17:05 268
2024 Apr 08 (Mon)	05:32 88	11:46 77S	18:06 276
2024 Apr 09 (Tue)	06:13 80	12:38 84S	19:08 283
2024 Apr 10 (Wed)	06:57 73	13:32 91N	20:11 290
2024 Apr 11 (Thu)	07:44 67	14:27 85N	21:15 295
2024 Apr 12 (Fri)	08:35 63	15:25 82N	22:18 299
2024 Apr 13 (Sat)	09:30 61	16:24 80N	23:19 300
2024 Apr 14 (Sun)	10:27 60	17:22 80N	
2024 Apr 15 (Mon)	11:25 61	18:16 81N	00:15 300
2024 Apr 16 (Tue)	12:21 64	19:07 84N	01:06 297
2024 Apr 17 (Wed)	13:14 68	19:54 88N	01:50 294
2024 Apr 18 (Thu)	14:05 73	20:37 88S	02:30 290
2024 Apr 19 (Fri)	14:54 78	21:18 83S	03:06 284
2024 Apr 20 (Sat)	15:41 84	21:58 77S	03:39 279
2024 Apr 21 (Sun)	16:27 90	22:36 71S	04:10 273
2024 Apr 22 (Mon)	17:14 96	23:16 65S	04:42 267
2024 Apr 23 (Tue)	18:02 102	23:57 60S	05:14 261
2024 Apr 24 (Wed)	18:53 108		05:48 255
2024 Apr 25 (Thu)	19:47 113	00:41 54S	06:26 250
2024 Apr 26 (Fri)	20:43 117	01:28 50S	07:08 245
2024 Apr 27 (Sat)	21:41 119	02:20 46S	07:55 242
2024 Apr 28 (Sun)	22:40 120	03:15 44S	08:48 240
2024 Apr 29 (Mon)	23:37 119	04:13 44S	09:46 240
2024 Apr 30 (Tue)		05:11 45S	10:47 242
2024 May 01 (Wed)	00:30 116	06:08 49S	11:49 246
2024 May 02 (Thu)	01:18 112	07:03 53S	12:51 251
2024 May 03 (Fri)	02:03 106	07:55 59S	13:51 257
2024 May 04 (Sat)	02:44 99	08:45 66S	14:50 265
2024 May 05 (Sun)	03:24 91	09:34 73S	15:49 272
2024 May 06 (Mon)	04:05 84	10:24 81S	16:49 280
2024 May 07 (Tue)	04:47 77	11:16 88S	17:50 287
2024 May 08 (Wed)	05:32 70	12:10 88N	18:54 293
2024 May 09 (Thu)	06:21 65	13:08 83N	19:58 297
2024 May 10 (Fri)	07:15 62	14:07 80N	21:02 299
2024 May 11 (Sat)	08:12 60	15:07 80N	22:02 300
2024 May 12 (Sun)	09:11 61	16:05 80N	22:57 298
2024 May 13 (Mon)	10:09 63	16:59 83N	23:45 295
2024 May 14 (Tue)	11:05 66	17:48 87N	
2024 May 15 (Wed)	11:58 71	18:33 90S	00:27 291
2024 May 16 (Thu)	12:48 76	19:15 85S	01:04 286
2024 May 17 (Fri)	13:36 82	19:55 79S	01:39 281
2024 May 18 (Sat)	14:22 88	20:34 73S	02:11 275
2024 May 19 (Sun)	15:09 94	21:13 67S	02:42 269
2024 May 20 (Mon)	15:56 100	21:54 62S	03:14 263
2024 May 21 (Tue)	16:46 106	22:37 56S	03:47 257
2024 May 22 (Wed)	17:39 111	23:23 51S	04:24 252
2024 May 23 (Thu)	18:35 115		05:04 247
2024 May 24 (Fri)	19:34 119	00:14 48S	05:50 243
2024 May 25 (Sat)	20:33 120	01:09 45S	06:42 241
2024 May 26 (Sun)	21:32 119	02:07 44S	07:40 240
2024 May 27 (Mon)	22:26 117	03:06 45S	08:41 241
2024 May 28 (Tue)	23:16 113	04:04 48S	09:43 245
2024 May 29 (Wed)		04:59 52S	10:45 249
2024 May 30 (Thu)	00:01 107	05:51 57S	11:45 256
2024 May 31 (Fri)	00:43 101	06:41 64S	12:43 262
2024 Jun 01 (Sat)	01:22 94	07:29 71S	13:40 270
2024 Jun 02 (Sun)	02:01 87	08:17 78S	14:37 277
2024 Jun 03 (Mon)	02:41 79	09:06 85S	15:36 284
2024 Jun 04 (Tue)	03:24 73	09:58 90N	16:37 290
2024 Jun 05 (Wed)	04:10 67	10:53 85N	17:41 295
2024 Jun 06 (Thu)	05:01 63	11:51 82N	18:44 299
2024 Jun 07 (Fri)	05:57 61	12:51 80N	19:46 300
2024 Jun 08 (Sat)	06:56 60	13:50 80N	20:44 299
2024 Jun 09 (Sun)	07:55 62	14:47 82N	21:36 297
2024 Jun 10 (Mon)	08:53 65	15:39 85N	22:21 293
2024 Jun 11 (Tue)	09:48 69	16:26 89N	23:01 288
2024 Jun 12 (Wed)	10:40 74	17:10 87S	23:37 283
2024 Jun 13 (Thu)	11:29 80	17:51 81S	
2024 Jun 14 (Fri)	12:16 86	18:30 76S	00:10 277
2024 Jun 15 (Sat)	13:02 92	19:09 70S	00:41 271

2024	Jun	16	(Sun)	13:49	98	19:49	64S	01:13	265
2024	Jun	17	(Mon)	14:38	104	20:31	58S	01:45	259
2024	Jun	18	(Tue)	15:29	109	21:15	53S	02:20	254
2024	Jun	19	(Wed)	16:24	114	22:04	49S	02:59	249
2024	Jun	20	(Thu)	17:22	117	22:58	46S	03:43	244
2024	Jun	21	(Fri)	18:22	120	23:56	44S	04:33	241
2024	Jun	22	(Sat)	19:22	120			05:29	240
2024	Jun	23	(Sun)	20:19	118	00:56	44S	06:31	241
2024	Jun	24	(Mon)	21:12	114	01:56	47S	07:34	243
2024	Jun	25	(Tue)	22:00	109	02:53	50S	08:38	248
2024	Jun	26	(Wed)	22:43	103	03:48	56S	09:39	254
2024	Jun	27	(Thu)	23:23	96	04:38	62S	10:38	260
2024	Jun	28	(Fri)			05:27	69S	11:35	268
2024	Jun	29	(Sat)	00:02	89	06:15	76S	12:32	275
2024	Jun	30	(Sun)	00:40	81	07:03	83S	13:30	282
2024	Jul	01	(Mon)	01:21	75	07:52	89S	14:28	288
2024	Jul	02	(Tue)	02:05	69	08:45	87N	15:29	294
2024	Jul	03	(Wed)	02:53	64	09:41	83N	16:32	298
2024	Jul	04	(Thu)	03:46	61	10:39	80N	17:34	300
2024	Jul	05	(Fri)	04:43	60	11:38	80N	18:33	300
2024	Jul	06	(Sat)	05:42	61	12:35	81N	19:26	298
2024	Jul	07	(Sun)	06:41	63	13:29	84N	20:14	295
2024	Jul	08	(Mon)	07:38	67	14:19	88N	20:56	290
2024	Jul	09	(Tue)	08:31	72	15:04	89S	21:34	285
2024	Jul	10	(Wed)	09:21	78	15:46	83S	22:08	279
2024	Jul	11	(Thu)	10:09	84	16:26	78S	22:40	273
2024	Jul	12	(Fri)	10:55	90	17:05	72S	23:11	267
2024	Jul	13	(Sat)	11:42	96	17:44	66S	23:43	261
2024	Jul	14	(Sun)	12:29	102	18:25	60S		
2024	Jul	15	(Mon)	13:19	107	19:08	55S	00:17	256
2024	Jul	16	(Tue)	14:11	112	19:54	51S	00:53	250
2024	Jul	17	(Wed)	15:08	116	20:45	47S	01:34	246
2024	Jul	18	(Thu)	16:07	119	21:41	45S	02:21	242
2024	Jul	19	(Fri)	17:07	120	22:41	44S	03:15	240
2024	Jul	20	(Sat)	18:07	119	23:42	45S	04:14	240
2024	Jul	21	(Sun)	19:02	116			05:18	242
2024	Jul	22	(Mon)	19:53	111	00:41	49S	06:23	246
2024	Jul	23	(Tue)	20:39	105	01:38	54S	07:28	251
2024	Jul	24	(Wed)	21:21	98	02:32	60S	08:29	258
2024	Jul	25	(Thu)	22:01	91	03:23	67S	09:29	265
2024	Jul	26	(Fri)	22:40	83	04:12	74S	10:27	273
2024	Jul	27	(Sat)	23:21	76	05:00	81S	11:25	280
2024	Jul	28	(Sun)			05:50	88S	12:23	287
2024	Jul	29	(Mon)	00:03	70	06:41	88N	13:24	292
2024	Jul	30	(Tue)	00:50	65	07:36	84N	14:25	297
2024	Jul	31	(Wed)	01:41	62	08:32	81N	15:26	299
2024	Aug	01	(Thu)	02:36	60	09:30	80N	16:25	300
2024	Aug	02	(Fri)	03:34	60	10:28	80N	17:20	299
2024	Aug	03	(Sat)	04:32	62	11:22	82N	18:09	296
2024	Aug	04	(Sun)	05:29	66	12:13	86N	18:53	292
2024	Aug	05	(Mon)	06:23	70	12:59	91N	19:32	287
2024	Aug	06	(Tue)	07:14	76	13:43	85S	20:07	281
2024	Aug	07	(Wed)	08:03	81	14:23	80S	20:40	276
2024	Aug	08	(Thu)	08:50	87	15:02	74S	21:11	269
2024	Aug	09	(Fri)	09:36	94	15:41	68S	21:42	263
2024	Aug	10	(Sat)	10:23	100	16:21	62S	22:15	258
2024	Aug	11	(Sun)	11:11	105	17:02	57S	22:50	252
2024	Aug	12	(Mon)	12:02	110	17:46	52S	23:28	247
2024	Aug	13	(Tue)	12:55	115	18:35	48S		
2024	Aug	14	(Wed)	13:52	118	19:27	45S	00:11	244
2024	Aug	15	(Thu)	14:51	120	20:24	44S	01:01	241
2024	Aug	16	(Fri)	15:50	120	21:24	44S	01:57	240
2024	Aug	17	(Sat)	16:48	118	22:24	47S	02:59	241
2024	Aug	18	(Sun)	17:41	114	23:23	51S	04:03	244
2024	Aug	19	(Mon)	18:29	108			05:09	249
2024	Aug	20	(Tue)	19:14	101	00:19	57S	06:13	255
2024	Aug	21	(Wed)	19:56	94	01:12	64S	07:15	262
2024	Aug	22	(Thu)	20:37	86	02:03	71S	08:15	270
2024	Aug	23	(Fri)	21:18	79	02:53	79S	09:15	278
2024	Aug	24	(Sat)	22:01	72	03:44	86S	10:15	285
2024	Aug	25	(Sun)	22:47	67	04:36	90N	11:17	291
2024	Aug	26	(Mon)	23:37	63	05:31	85N	12:19	296

2024 Aug 27 (Tue)		06:28 81N	13:21 299
2024 Aug 28 (Wed)	00:31 60	07:26 80N	14:21 300
2024 Aug 29 (Thu)	01:28 60	08:23 80N	15:16 299
2024 Aug 30 (Fri)	02:26 61	09:18 82N	16:07 297
2024 Aug 31 (Sat)	03:23 64	10:09 85N	16:52 293
2024 Sep 01 (Sun)	04:18 69	10:56 89N	17:32 289
2024 Sep 02 (Mon)	05:09 74	11:40 87S	18:07 283
2024 Sep 03 (Tue)	05:59 79	12:22 82S	18:41 278
2024 Sep 04 (Wed)	06:46 85	13:01 76S	19:12 272
2024 Sep 05 (Thu)	07:32 92	13:40 70S	19:44 265
2024 Sep 06 (Fri)	08:19 98	14:19 64S	20:15 260
2024 Sep 07 (Sat)	09:06 103	14:59 59S	20:49 254
2024 Sep 08 (Sun)	09:55 109	15:42 54S	21:25 249
2024 Sep 09 (Mon)	10:47 113	16:28 49S	22:06 245
2024 Sep 10 (Tue)	11:42 117	17:18 46S	22:52 242
2024 Sep 11 (Wed)	12:39 119	18:12 44S	23:44 240
2024 Sep 12 (Thu)	13:36 120	19:09 44S	
2024 Sep 13 (Fri)	14:33 119	20:07 45S	00:42 240
2024 Sep 14 (Sat)	15:27 116	21:06 49S	01:44 242
2024 Sep 15 (Sun)	16:17 111	22:02 54S	02:47 246
2024 Sep 16 (Mon)	17:03 105	22:56 60S	03:51 251
2024 Sep 17 (Tue)	17:46 98	23:49 67S	04:54 258
2024 Sep 18 (Wed)	18:28 90		05:56 266
2024 Sep 19 (Thu)	19:10 82	00:40 75S	06:57 274
2024 Sep 20 (Fri)	19:53 75	01:32 82S	07:59 282
2024 Sep 21 (Sat)	20:40 69	02:25 89S	09:02 289
2024 Sep 22 (Sun)	21:30 64	03:21 86N	10:07 294
2024 Sep 23 (Mon)	22:24 61	04:19 82N	11:11 298
2024 Sep 24 (Tue)	23:22 60	05:18 80N	12:14 300
2024 Sep 25 (Wed)		06:17 79N	13:12 300
2024 Sep 26 (Thu)	00:20 61	07:14 81N	14:05 298
2024 Sep 27 (Fri)	01:18 63	08:06 84N	14:51 295
2024 Sep 28 (Sat)	02:13 67	08:55 88N	15:32 290
2024 Sep 29 (Sun)	03:06 72	09:39 89S	16:09 285
2024 Sep 30 (Mon)	03:55 77	10:21 84S	16:43 280
2024 Oct 01 (Tue)	04:43 83	11:01 78S	17:15 274
2024 Oct 02 (Wed)	05:30 89	11:40 72S	17:46 267
2024 Oct 03 (Thu)	06:16 96	12:18 66S	18:17 261
2024 Oct 04 (Fri)	07:03 102	12:58 60S	18:50 256
2024 Oct 05 (Sat)	07:52 107	13:40 55S	19:26 251
2024 Oct 06 (Sun)	08:43 112	14:25 51S	20:05 246
2024 Oct 07 (Mon)	09:36 116	15:13 47S	20:49 243
2024 Oct 08 (Tue)	10:31 119	16:05 45S	21:38 240
2024 Oct 09 (Wed)	11:28 120	17:00 44S	22:32 240
2024 Oct 10 (Thu)	12:24 120	17:56 45S	23:31 241
2024 Oct 11 (Fri)	13:17 118	18:53 47S	
2024 Oct 12 (Sat)	14:07 114	19:48 51S	00:32 244
2024 Oct 13 (Sun)	14:53 108	20:42 57S	01:33 249
2024 Oct 14 (Mon)	15:36 102	21:33 63S	02:35 255
2024 Oct 15 (Tue)	16:17 94	22:24 71S	03:35 262
2024 Oct 16 (Wed)	16:59 86	23:15 78S	04:36 270
2024 Oct 17 (Thu)	17:41 79		05:37 278
2024 Oct 18 (Fri)	18:27 72	00:08 86S	06:41 285
2024 Oct 19 (Sat)	19:17 66	01:04 89N	07:46 292
2024 Oct 20 (Sun)	20:11 62	02:03 84N	08:53 296
2024 Oct 21 (Mon)	21:10 60	03:04 81N	09:59 299
2024 Oct 22 (Tue)	22:10 60	04:05 79N	11:01 300
2024 Oct 23 (Wed)	23:10 62	05:05 80N	11:58 299
2024 Oct 24 (Thu)		06:00 82N	12:48 296
2024 Oct 25 (Fri)	00:07 66	06:51 86N	13:31 292
2024 Oct 26 (Sat)	01:01 70	07:38 91	14:10 287
2024 Oct 27 (Sun)	01:52 76	08:20 85S	14:44 281
2024 Oct 28 (Mon)	02:40 81	09:00 80S	15:17 276
2024 Oct 29 (Tue)	03:27 87	09:39 74S	15:48 269
2024 Oct 30 (Wed)	04:13 94	10:18 68S	16:19 263
2024 Oct 31 (Thu)	05:00 100	10:57 62S	16:52 258
2024 Nov 01 (Fri)	05:48 105	11:39 57S	17:26 252
2024 Nov 02 (Sat)	06:38 110	12:23 52S	18:05 247
2024 Nov 03 (Sun)	07:31 115	13:10 48S	18:47 244
2024 Nov 04 (Mon)	08:27 118	14:01 45S	19:35 241
2024 Nov 05 (Tue)	09:23 120	14:55 44S	20:28 240
2024 Nov 06 (Wed)	10:19 120	15:51 44S	21:24 240

2024 Nov 07 (Thu)	11:12 118	16:47 46S	22:24 243
2024 Nov 08 (Fri)	12:02 115	17:41 50S	23:23 247
2024 Nov 09 (Sat)	12:47 110	18:33 54S	
2024 Nov 10 (Sun)	13:30 104	19:24 60S	00:23 252
2024 Nov 11 (Mon)	14:10 98	20:13 67S	01:21 259
2024 Nov 12 (Tue)	14:50 90	21:02 75S	02:19 266
2024 Nov 13 (Wed)	15:31 83	21:52 82S	03:18 274
2024 Nov 14 (Thu)	16:14 75	22:45 89S	04:19 281
2024 Nov 15 (Fri)	17:01 69	23:42 87N	05:22 288
2024 Nov 16 (Sat)	17:54 64		06:28 294
2024 Nov 17 (Sun)	18:51 61	00:43 82N	07:36 298
2024 Nov 18 (Mon)	19:53 60	01:46 80N	08:42 300
2024 Nov 19 (Tue)	20:55 61	02:49 80N	09:44 300
2024 Nov 20 (Wed)	21:56 64	03:48 81N	10:38 297
2024 Nov 21 (Thu)	22:53 69	04:43 85N	11:26 294
2024 Nov 22 (Fri)	23:45 74	05:32 89N	12:07 289
2024 Nov 23 (Sat)		06:17 87S	12:44 283
2024 Nov 24 (Sun)	00:35 79	06:58 82S	13:17 278
2024 Nov 25 (Mon)	01:22 85	07:38 76S	13:49 272
2024 Nov 26 (Tue)	02:09 92	08:16 70S	14:20 265
2024 Nov 27 (Wed)	02:55 98	08:55 64S	14:52 260
2024 Nov 28 (Thu)	03:43 103	09:36 59S	15:26 254
2024 Nov 29 (Fri)	04:32 109	10:19 54S	16:03 249
2024 Nov 30 (Sat)	05:25 113	11:06 49S	16:44 245
2024 Dec 01 (Sun)	06:20 117	11:56 46S	17:31 242
2024 Dec 02 (Mon)	07:17 119	12:50 44S	18:23 240
2024 Dec 03 (Tue)	08:14 120	13:46 44S	19:19 240
2024 Dec 04 (Wed)	09:08 119	14:43 46S	20:18 242
2024 Dec 05 (Thu)	09:59 116	15:38 49S	21:18 246
2024 Dec 06 (Fri)	10:46 112	16:30 53S	22:17 251
2024 Dec 07 (Sat)	11:29 106	17:20 59S	23:15 257
2024 Dec 08 (Sun)	12:09 100	18:08 65S	
2024 Dec 09 (Mon)	12:47 93	18:55 72S	00:11 264
2024 Dec 10 (Tue)	13:26 85	19:43 79S	01:08 271
2024 Dec 11 (Wed)	14:06 78	20:33 86S	02:05 278
2024 Dec 12 (Thu)	14:50 72	21:27 89N	03:05 285
2024 Dec 13 (Fri)	15:39 66	22:24 84N	04:08 291
2024 Dec 14 (Sat)	16:33 62	23:26 81N	05:14 296
2024 Dec 15 (Sun)	17:33 60		06:20 299
2024 Dec 16 (Mon)	18:36 60	00:29 80N	07:25 300
2024 Dec 17 (Tue)	19:38 63	01:31 80N	08:24 298
2024 Dec 18 (Wed)	20:38 67	02:28 83N	09:15 295
2024 Dec 19 (Thu)	21:34 72	03:21 87N	10:00 291
2024 Dec 20 (Fri)	22:26 77	04:09 89S	10:40 286
2024 Dec 21 (Sat)	23:15 83	04:53 84S	11:15 280
2024 Dec 22 (Sun)		05:33 78S	11:48 274
2024 Dec 23 (Mon)	00:02 89	06:13 72S	12:19 268
2024 Dec 24 (Tue)	00:49 95	06:52 66S	12:51 262
2024 Dec 25 (Wed)	01:36 101	07:31 61S	13:24 256
2024 Dec 26 (Thu)	02:25 107	08:13 55S	13:59 251
2024 Dec 27 (Fri)	03:16 112	08:59 51S	14:39 246
2024 Dec 28 (Sat)	04:10 116	09:48 47S	15:24 243
2024 Dec 29 (Sun)	05:06 119	10:41 45S	16:14 241
2024 Dec 30 (Mon)	06:04 120	11:37 44S	17:10 240
2024 Dec 31 (Tue)	07:01 119	12:34 45S	18:09 241