

Term	Definition as used in this Almanac
<b>Altitude</b>	An angle measured from the horizon in degrees.
<b>Azimuth</b>	An angle measured clockwise from True North in degrees.
<b>Day Break</b>	The time when morning Twilight begins.
<b>Moon Age</b>	The number of days since the day of the New Moon
<b>Moon Dist.</b>	The distance from the center of the earth to the center of the moon, expressed in earth radii. The radius of the earth is 6,378.14 km or 3,963.19 miles.
<b>Moon Phase</b>	A numerical representation of the amount of the moon's area that is illuminated. 0.00 corresponds to a New Moon and 1.00 to a Full Moon. 0.50 corresponds to a quarter. When numbers are increasing, it's the waxing quarter and when numbers are decreasing it is the waning quarter.
<b>Night Fall</b>	The time when evening Twighlight ends.
<b>Twilight</b>	The period of time before sunrise or after sunset during which some degree of the sun's light is still visible on the ground or in the sky.
	There are three commonly accepted definitions for twilight. This alamanac uses none of them. Instead it uses one identified as "Gastón's."
	They are defined as follows:
	<b>Civil</b> When the sun is 6 degrees below the horizon. At this time, there is sufficient light for activities to be conducted without artificial light so, for the evening version, it doesn't quite "feel" like night has fallen. The horizon is clearly discernable and the brightest stars are visible.
	<b>Gastón's</b> When the sun is less than 9 degrees below the horizon. At this time, the sky is sufficiently dark for activities to require artificial light. For the evening version, it does feel like night has fallen but the horizon is still discernable.
<b>Nautical</b>	When the sun is 12 degrees below the horizon. At this time, the sky cannot be distinguished from the horizon and artificial lighting is required to conduct activities. Many more stars are visible. This twilight is used for sea navigation using stars and for planning military operations.
<b>Astronomical</b>	When the sun is 18 degrees below the horizon. At this time, the dimmer stars can be seen and the sky is free from scattered sunlight, facilitating astronomical observations of nebulae and galaxies.
<b>Solar Noon</b>	The time at which the sun is exactly above the observer's longitude. At this time, the sun reaches its highest point in the sky and the shadows cast by objects point to true north.

Forest Lakes, AZ -- January of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Mon	1	6:46	7:30	117.56	12:26:49	32.72	17:24	242.38	18:07	1.00	14	17:24	65.60	6:50	294.24	55.91	1
Tue	2	6:46	7:30	117.45	12:27:17	32.81	17:24	242.48	18:08	0.99	15	18:30	66.63	7:54	294.05	56.03	2
Wed	3	6:46	7:30	117.33	12:27:44	32.90	17:25	242.60	18:09	0.96	16	19:39	69.50	8:51	291.93	56.45	3
Thu	4	6:47	7:30	117.20	12:28:11	33.01	17:26	242.72	18:09	0.90	17	20:47	73.78	9:41	288.25	57.14	4
Fri	5	6:47	7:30	117.06	12:28:38	33.12	17:27	242.86	18:10	0.82	18	21:54	78.95	10:24	283.49	58.01	5
Sat	6	6:47	7:30	116.91	12:29:04	33.24	17:28	243.00	18:11	0.72	19	22:57	84.55	11:03	278.14	58.98	6
Sun	7	6:47	7:30	116.75	12:29:30	33.37	17:28	243.16	18:12	0.62	20	23:58	90.22	11:39	272.56	59.97	7
Mon	8	6:47	7:30	116.58	12:29:56	33.50	17:29	243.32	18:13	0.52	21	-----	-----	12:12	267.06	60.92	8
Tue	9	6:47	7:30	116.41	12:30:21	33.65	17:30	243.49	18:13	0.42	22	0:56	95.69	12:45	261.84	61.75	9
Wed	10	6:47	7:30	116.22	12:30:45	33.80	17:31	243.67	18:14	0.32	23	1:53	100.77	13:19	257.08	62.45	10
Thu	11	6:47	7:30	116.03	12:31:09	33.95	17:32	243.86	18:15	0.23	24	2:48	105.28	13:54	252.93	63.00	11
Fri	12	6:47	7:30	115.82	12:31:32	34.12	17:33	244.06	18:16	0.16	25	3:43	109.07	14:31	249.56	63.39	12
Sat	13	6:47	7:30	115.61	12:31:55	34.29	17:34	244.26	18:17	0.10	26	4:37	111.97	15:11	247.10	63.62	13
Sun	14	6:47	7:29	115.39	12:32:17	34.47	17:35	244.48	18:18	0.05	27	5:29	113.84	15:55	245.70	63.72	14
Mon	15	6:46	7:29	115.16	12:32:38	34.65	17:36	244.70	18:18	0.02	28	6:18	114.59	16:42	245.45	63.70	15
Tue	16	6:46	7:29	114.93	12:32:59	34.84	17:37	244.93	18:19	0.00	29	7:05	114.15	17:33	246.39	63.57	16
Wed	17	6:46	7:29	114.68	12:33:19	35.04	17:38	245.17	18:20	0.00	0	7:49	112.55	18:26	248.47	63.35	17
Thu	18	6:46	7:28	114.43	12:33:38	35.24	17:38	245.42	18:21	0.03	1	8:29	109.89	19:20	251.59	63.04	18
Fri	19	6:45	7:28	114.17	12:33:57	35.45	17:39	245.68	18:22	0.07	2	9:07	106.30	20:16	255.59	62.65	19
Sat	20	6:45	7:28	113.90	12:34:15	35.67	17:40	245.94	18:23	0.12	3	9:42	101.96	21:13	260.28	62.17	20
Sun	21	6:45	7:27	113.63	12:34:32	35.89	17:41	246.21	18:24	0.20	4	10:15	97.06	22:10	265.48	61.61	21
Mon	22	6:44	7:27	113.34	12:34:48	36.12	17:42	246.49	18:25	0.28	5	10:48	91.76	23:08	270.98	60.95	22
Tue	23	6:44	7:26	113.05	12:35:04	36.36	17:43	246.78	18:26	0.38	6	11:22	86.29	-----	-----	60.23	23
Wed	24	6:44	7:26	112.76	12:35:18	36.60	17:44	247.07	18:27	0.49	7	11:57	80.85	0:08	276.56	59.44	24
Thu	25	6:43	7:25	112.45	12:35:32	36.85	17:45	247.38	18:27	0.60	8	12:35	75.71	1:11	281.97	58.63	25
Fri	26	6:43	7:25	112.14	12:35:45	37.10	17:46	247.68	18:28	0.70	9	13:18	71.23	2:15	286.87	57.85	26
Sat	27	6:42	7:24	111.82	12:35:58	37.36	17:47	248.00	18:29	0.80	10	14:07	67.82	3:21	290.86	57.16	27
Sun	28	6:42	7:23	111.50	12:36:09	37.62	17:48	248.32	18:30	0.89	11	15:03	65.90	4:27	293.49	56.64	28
Mon	29	6:41	7:23	111.17	12:36:20	37.89	17:49	248.65	18:31	0.95	12	16:05	65.83	5:32	294.38	56.34	29
Tue	30	6:41	7:22	110.83	12:36:30	38.16	17:50	248.98	18:32	0.99	13	17:12	67.69	6:32	293.33	56.30	30
Wed	31	6:40	7:21	110.48	12:36:39	38.44	17:51	249.32	18:33	1.00	14	18:22	71.26	7:26	290.47	56.56	31

Forest Lakes, AZ -- February of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Thu	1	6:39	7:21	110.13	12:36:47	38.73	17:52	249.67	18:34	0.98	15	19:31	76.10	8:13	286.20	57.08	1
Fri	2	6:39	7:20	109.78	12:36:54	39.02	17:53	250.02	18:35	0.93	16	20:38	81.68	8:56	280.98	57.83	2
Sat	3	6:38	7:19	109.42	12:37:01	39.31	17:54	250.38	18:36	0.86	17	21:42	87.54	9:34	275.31	58.73	3
Sun	4	6:37	7:18	109.05	12:37:07	39.61	17:55	250.74	18:37	0.78	18	22:43	93.32	10:10	269.55	59.70	4
Mon	5	6:36	7:18	108.68	12:37:12	39.91	17:56	251.11	18:38	0.69	19	23:42	98.74	10:44	264.02	60.67	5
Tue	6	6:36	7:17	108.30	12:37:16	40.22	17:57	251.49	18:38	0.59	20	-----	-----	11:18	258.92	61.56	6
Wed	7	6:35	7:16	107.92	12:37:19	40.54	17:58	251.87	18:39	0.49	21	0:40	103.60	11:53	254.44	62.32	7
Thu	8	6:34	7:15	107.53	12:37:22	40.85	17:59	252.25	18:40	0.39	22	1:36	107.74	12:30	250.72	62.92	8
Fri	9	6:33	7:14	107.14	12:37:24	41.17	18:00	252.65	18:41	0.30	23	2:30	111.00	13:09	247.90	63.33	9
Sat	10	6:32	7:13	106.74	12:37:25	41.50	18:01	253.04	18:42	0.22	24	3:23	113.27	13:52	246.10	63.56	10
Sun	11	6:32	7:12	106.34	12:37:25	41.83	18:02	253.44	18:43	0.15	25	4:14	114.43	14:38	245.43	63.61	11
Mon	12	6:31	7:11	105.93	12:37:25	42.16	18:03	253.85	18:44	0.09	26	5:02	114.41	15:27	245.94	63.50	12
Tue	13	6:30	7:10	105.52	12:37:24	42.50	18:04	254.25	18:45	0.04	27	5:46	113.23	16:19	247.63	63.27	13
Wed	14	6:29	7:09	105.11	12:37:22	42.84	18:05	254.67	18:46	0.01	28	6:28	110.92	17:14	250.41	62.93	14
Thu	15	6:28	7:08	104.69	12:37:19	43.18	18:06	255.08	18:46	0.00	0	7:07	107.61	18:10	254.16	62.53	15
Fri	16	6:27	7:07	104.27	12:37:16	43.53	18:07	255.51	18:47	0.01	1	7:43	103.46	19:07	258.70	62.07	16
Sat	17	6:26	7:06	103.84	12:37:12	43.88	18:08	255.93	18:48	0.04	2	8:17	98.66	20:05	263.82	61.57	17
Sun	18	6:25	7:05	103.41	12:37:07	44.23	18:09	256.36	18:49	0.09	3	8:51	93.41	21:03	269.30	61.05	18
Mon	19	6:24	7:04	102.98	12:37:02	44.59	18:10	256.79	18:50	0.15	4	9:24	87.93	22:03	274.90	60.51	19
Tue	20	6:23	7:03	102.54	12:36:56	44.95	18:11	257.23	18:51	0.24	5	9:58	82.46	23:04	280.37	59.95	20
Wed	21	6:22	7:02	102.10	12:36:49	45.31	18:12	257.67	18:52	0.33	6	10:35	77.25	-----	-----	59.38	21
Thu	22	6:20	7:00	101.66	12:36:42	45.68	18:12	258.11	18:53	0.44	7	11:15	72.60	0:06	285.39	58.81	22
Fri	23	6:19	6:59	101.21	12:36:34	46.04	18:13	258.55	18:53	0.55	8	12:01	68.87	1:10	289.63	58.26	23
Sat	24	6:18	6:58	100.76	12:36:25	46.41	18:14	259.00	18:54	0.66	9	12:52	66.42	2:14	292.71	57.77	24
Sun	25	6:17	6:57	100.31	12:36:16	46.78	18:15	259.45	18:55	0.77	10	13:49	65.58	3:17	294.28	57.38	25
Mon	26	6:16	6:56	99.86	12:36:06	47.16	18:16	259.90	18:56	0.86	11	14:52	66.54	4:17	294.09	57.12	26
Tue	27	6:15	6:54	99.40	12:35:55	47.53	18:17	260.36	18:57	0.93	12	15:59	69.26	5:12	292.11	57.06	27
Wed	28	6:13	6:53	98.94	12:35:44	47.91	18:18	260.82	18:58	0.98	13	17:07	73.46	6:01	288.55	57.21	28

Forest Lakes, AZ -- March of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Thu	1	6:12	6:52	98.48	12:35:33	48.29	18:19	261.28	18:58	1.00	14	18:15	78.71	6:46	283.79	57.58	1
Fri	2	6:11	6:51	98.02	12:35:21	48.67	18:19	261.74	18:59	0.99	15	19:21	84.53	7:26	278.28	58.15	2
Sat	3	6:10	6:49	97.56	12:35:08	49.06	18:20	262.20	19:00	0.96	16	20:25	90.51	8:03	272.43	58.89	3
Sun	4	6:09	6:48	97.09	12:34:55	49.44	18:21	262.67	19:01	0.91	17	21:27	96.29	8:39	266.62	59.73	4
Mon	5	6:07	6:47	96.62	12:34:42	49.83	18:22	263.14	19:02	0.83	18	22:26	101.58	9:14	261.14	60.60	5
Tue	6	6:06	6:46	96.15	12:34:28	50.21	18:23	263.61	19:03	0.75	19	23:24	106.18	9:49	256.23	61.44	6
Wed	7	6:05	6:44	95.68	12:34:14	50.60	18:24	264.08	19:03	0.66	20	-----	-----	10:26	252.06	62.18	7
Thu	8	6:03	6:43	95.21	12:34:00	50.99	18:25	264.55	19:04	0.57	21	0:21	109.90	11:05	248.80	62.78	8
Fri	9	6:02	6:42	94.74	12:33:45	51.38	18:25	265.02	19:05	0.47	22	1:15	112.62	11:47	246.56	63.20	9
Sat	10	6:01	6:40	94.26	12:33:29	51.78	18:26	265.50	19:06	0.38	23	2:07	114.23	12:32	245.44	63.42	10
Sun	11	5:59	6:39	93.79	12:33:14	52.17	18:27	265.97	19:07	0.29	24	2:56	114.67	13:20	245.50	63.43	11
Mon	12	5:58	6:38	93.31	12:32:58	52.56	18:28	266.45	19:07	0.21	25	3:42	113.92	14:11	246.75	63.27	12
Tue	13	5:57	6:36	92.83	12:32:42	52.96	18:29	266.93	19:08	0.14	26	4:25	112.02	15:04	249.14	62.94	13
Wed	14	5:55	6:35	92.36	12:32:25	53.35	18:29	267.40	19:09	0.08	27	5:04	109.06	16:00	252.56	62.48	14
Thu	15	5:54	6:34	91.88	12:32:09	53.75	18:30	267.88	19:10	0.03	28	5:41	105.17	16:00	252.56	61.95	15
Fri	16	5:53	6:32	91.40	12:31:52	54.14	18:31	268.36	19:11	0.01	29	6:17	100.53	17:55	261.88	61.37	16
Sat	17	5:51	6:31	90.92	12:31:35	54.54	18:32	268.84	19:11	0.00	0	6:51	95.32	18:55	267.38	60.78	17
Sun	18	5:50	6:30	90.44	12:31:18	56.40	18:33	269.32	19:12	0.02	1	7:25	89.77	19:55	273.10	60.22	18
Mon	19	5:49	6:28	89.97	12:31:00	56.00	18:33	269.80	19:13	0.06	2	7:59	84.14	20:57	278.78	59.70	19
Tue	20	5:47	6:27	89.49	12:30:43	55.72	18:34	270.28	19:14	0.12	3	8:35	78.69	22:00	284.08	59.25	20
Wed	21	5:46	6:25	89.01	12:30:25	56.12	18:35	270.76	19:15	0.20	4	9:15	73.76	23:04	288.65	58.85	21
Thu	22	5:44	6:24	88.53	12:30:07	56.51	18:36	271.23	19:15	0.30	5	9:59	69.68	-----	-----	58.52	22
Fri	23	5:43	6:23	88.05	12:29:49	56.91	18:37	271.71	19:16	0.40	6	10:47	66.81	0:08	292.13	58.25	23
Sat	24	5:42	6:21	87.58	12:29:31	57.30	18:37	272.19	19:17	0.52	7	11:42	65.46	1:11	294.17	58.05	24
Sun	25	5:40	6:20	87.10	12:29:13	57.69	18:38	272.67	19:18	0.63	8	12:41	65.82	2:10	294.55	57.92	25
Mon	26	5:39	6:19	86.63	12:28:55	58.09	18:39	273.14	19:19	0.74	9	13:45	67.88	3:05	293.20	57.87	26
Tue	27	5:37	6:17	86.15	12:28:37	58.48	18:40	273.62	19:20	0.83	10	14:51	71.46	3:55	290.26	57.94	27
Wed	28	5:36	6:16	85.68	12:28:19	58.87	18:40	274.09	19:20	0.91	11	15:57	76.23	4:40	286.03	58.13	28
Thu	29	5:35	6:14	85.21	12:28:01	59.26	18:41	274.57	19:21	0.96	12	17:02	81.78	5:21	280.88	58.46	29
Fri	30	5:33	6:13	84.73	12:27:43	59.64	18:42	275.04	19:22	0.99	13	18:07	87.72	5:58	275.18	58.92	30
Sat	31	5:32	6:12	84.26	12:27:25	60.03	18:43	275.51	19:23	1.00	14	19:09	93.66	6:34	269.31	59.51	31

Forest Lakes, AZ -- April of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Sun	1	5:30	6:10	83.80	12:27:07	60.42	18:44	275.98	19:24	0.98	15	20:10	99.29	7:09	263.59	60.18	1
Mon	2	5:29	6:09	83.33	12:26:49	60.80	18:44	276.45	19:24	0.94	16	21:10	104.33	7:44	258.29	60.90	2
Tue	3	5:27	6:08	82.86	12:26:31	61.18	18:45	276.92	19:25	0.88	17	22:08	108.57	8:21	253.66	61.61	3
Wed	4	5:26	6:06	82.40	12:26:14	61.57	18:46	277.38	19:26	0.81	18	23:05	111.82	8:59	249.89	62.25	4
Thu	5	5:25	6:05	81.94	12:25:57	61.94	18:47	277.84	19:27	0.73	19	23:58	113.95	9:40	247.13	62.78	5
Fri	6	5:23	6:04	81.48	12:25:40	62.32	18:47	278.30	19:28	0.64	20	-----	-----	10:24	245.50	63.15	6
Sat	7	5:22	6:02	81.02	12:25:23	62.70	18:48	278.76	19:29	0.55	21	0:49	114.90	11:11	245.07	63.34	7
Sun	8	5:20	6:01	80.57	12:25:06	63.07	18:49	279.22	19:29	0.46	22	1:37	114.62	12:01	245.85	63.33	8
Mon	9	5:19	6:00	80.11	12:24:50	63.44	18:50	279.68	19:30	0.36	23	2:20	113.17	12:54	247.79	63.12	9
Tue	10	5:18	5:58	79.66	12:24:34	63.81	18:50	280.13	19:31	0.27	24	3:01	110.62	13:48	250.81	62.72	10
Wed	11	5:16	5:57	79.21	12:24:18	64.18	18:51	280.58	19:32	0.19	25	3:39	107.10	14:45	254.78	62.17	11
Thu	12	5:15	5:56	78.77	12:24:02	64.55	18:52	281.03	19:33	0.12	26	4:14	102.73	15:42	259.54	61.50	12
Fri	13	5:14	5:54	78.33	12:23:47	64.91	18:53	281.47	19:34	0.06	27	4:49	97.70	16:41	264.92	60.78	13
Sat	14	5:12	5:53	77.89	12:23:32	65.27	18:54	281.91	19:35	0.02	28	5:22	92.19	17:42	270.69	60.05	14
Sun	15	5:11	5:52	77.45	12:23:18	65.63	18:54	282.35	19:35	0.00	0	5:57	86.43	18:44	276.57	59.37	15
Mon	16	5:09	5:51	77.01	12:23:04	65.98	18:55	282.79	19:36	0.01	1	6:33	80.71	19:48	282.24	58.79	16
Tue	17	5:08	5:49	76.58	12:22:50	66.33	18:56	283.22	19:37	0.04	2	7:12	75.36	20:54	287.31	58.33	17
Wed	18	5:07	5:48	76.15	12:22:36	66.68	18:57	283.65	19:38	0.09	3	7:55	70.77	22:00	291.35	58.02	18
Thu	19	5:06	5:47	75.73	12:22:23	67.03	18:57	284.08	19:39	0.17	4	8:43	67.34	23:05	293.97	57.85	19
Fri	20	5:04	5:46	75.31	12:22:11	67.37	18:58	284.50	19:40	0.27	5	9:36	65.42	-----	-----	57.81	20
Sat	21	5:03	5:45	74.89	12:21:58	67.71	18:59	284.92	19:41	0.37	6	10:35	65.23	0:06	294.91	57.88	21
Sun	22	5:02	5:43	74.48	12:21:47	68.05	19:00	285.34	19:42	0.49	7	11:38	66.80	1:03	294.07	58.05	22
Mon	23	5:00	5:42	74.07	12:21:35	68.38	19:01	285.75	19:42	0.60	8	12:42	69.94	1:54	291.59	58.29	23
Tue	24	4:59	5:41	73.66	12:21:24	68.71	19:01	286.16	19:43	0.71	9	13:47	74.32	2:39	287.75	58.59	24
Wed	25	4:58	5:40	73.26	12:21:14	69.03	19:02	286.56	19:44	0.80	10	14:52	79.58	3:20	282.92	58.95	25
Thu	26	4:57	5:39	72.86	12:21:04	69.35	19:03	286.96	19:45	0.88	11	15:55	85.33	3:58	277.45	59.37	26
Fri	27	4:55	5:38	72.47	12:20:54	69.67	19:04	287.36	19:46	0.94	12	15:55	85.33	4:33	271.68	59.84	27
Sat	28	4:54	5:37	72.08	12:20:45	69.99	19:05	287.75	19:47	0.98	13	17:57	97.02	5:07	265.91	60.36	28
Sun	29	4:53	5:36	71.70	12:20:37	70.30	19:05	288.13	19:48	1.00	14	18:57	102.35	5:41	260.41	60.92	29
Mon	30	4:52	5:34	71.32	12:20:29	70.60	19:06	288.52	19:49	0.99	15	19:56	107.01	6:17	255.44	61.49	30

Forest Lakes, AZ -- May of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Tue	1	4:51	5:33	70.94	12:20:21	70.91	19:07	288.89	19:50	0.97	16	20:54	110.77	6:54	251.21	62.05	1
Wed	2	4:50	5:32	70.57	12:20:14	71.20	19:08	289.27	19:51	0.92	17	21:49	113.45	7:34	247.94	62.56	2
Thu	3	4:48	5:31	70.21	12:20:08	71.50	19:08	289.63	19:51	0.86	18	22:42	114.94	8:17	245.77	62.98	3
Fri	4	4:47	5:30	69.85	12:20:02	71.79	19:09	290.00	19:52	0.79	19	23:31	115.19	9:03	244.80	63.28	4
Sat	5	4:46	5:29	69.49	12:19:57	72.07	19:10	290.35	19:53	0.71	20	-----	-----	9:52	245.08	63.41	5
Sun	6	4:45	5:29	69.14	12:19:52	72.35	19:11	290.71	19:54	0.62	21	0:16	114.21	10:44	246.55	63.36	6
Mon	7	4:44	5:28	68.80	12:19:48	72.63	19:12	291.05	19:55	0.53	22	0:58	112.10	11:37	249.13	63.11	7
Tue	8	4:43	5:27	68.46	12:19:45	72.90	19:12	291.40	19:56	0.43	23	1:36	108.98	12:32	252.70	62.67	8
Wed	9	4:42	5:26	68.13	12:19:42	73.17	19:13	291.73	19:57	0.34	24	2:12	104.98	13:29	257.11	62.06	9
Thu	10	4:41	5:25	67.80	12:19:40	73.43	19:14	292.06	19:58	0.25	25	2:46	100.24	14:26	262.21	61.31	10
Fri	11	4:40	5:24	67.48	12:19:38	73.68	19:15	292.39	19:59	0.16	26	3:20	94.94	15:25	267.82	60.47	11
Sat	12	4:39	5:23	67.16	12:19:37	73.93	19:16	292.70	20:00	0.09	27	3:53	89.26	16:27	273.72	59.60	12
Sun	13	4:38	5:23	66.85	12:19:36	74.18	19:16	293.02	20:00	0.04	28	4:28	83.43	17:30	279.61	58.78	13
Mon	14	4:37	5:22	66.55	12:19:36	74.42	19:17	293.32	20:01	0.01	29	5:06	77.76	18:36	285.15	58.06	14
Tue	15	4:37	5:21	66.25	12:19:37	74.66	19:18	293.62	20:02	0.00	0	5:47	72.63	19:44	289.86	57.51	15
Wed	16	4:36	5:20	65.96	12:19:38	74.89	19:19	293.92	20:03	0.03	1	6:34	68.48	20:52	293.28	57.16	16
Thu	17	4:35	5:20	65.68	12:19:39	75.11	19:19	294.20	20:04	0.07	2	7:27	65.77	21:57	295.00	57.04	17
Fri	18	4:34	5:19	65.40	12:19:42	75.33	19:20	294.48	20:05	0.15	3	8:25	64.84	22:58	294.83	57.12	18
Sat	19	4:33	5:18	65.13	12:19:45	75.55	19:21	294.76	20:06	0.24	4	9:29	65.81	23:52	292.83	57.39	19
Sun	20	4:33	5:18	64.87	12:19:48	75.76	19:22	295.02	20:07	0.35	5	10:34	68.51	-----	-----	57.79	20
Mon	21	4:32	5:17	64.61	12:19:52	75.96	19:22	295.28	20:07	0.46	6	11:40	72.61	0:40	289.33	58.30	21
Tue	22	4:31	5:16	64.36	12:19:56	76.16	19:23	295.54	20:08	0.57	7	12:45	77.68	1:22	284.72	58.86	22
Wed	23	4:31	5:16	64.12	12:20:01	76.35	19:24	295.78	20:09	0.68	8	13:48	83.31	2:00	279.39	59.45	23
Thu	24	4:30	5:15	63.88	12:20:06	76.53	19:24	296.02	20:10	0.77	9	14:49	89.18	2:35	273.70	60.03	24
Fri	25	4:29	5:15	63.66	12:20:12	76.71	19:25	296.25	20:11	0.86	10	15:50	94.98	3:09	267.94	60.60	25
Sat	26	4:29	5:14	63.44	12:20:18	76.88	19:26	296.48	20:11	0.92	11	16:49	100.46	3:42	262.36	61.16	26
Sun	27	4:28	5:14	63.22	12:20:25	77.05	19:27	296.69	20:12	0.97	12	17:47	105.38	4:17	257.20	61.68	27
Mon	28	4:28	5:14	63.02	12:20:32	77.21	19:27	296.90	20:13	0.99	13	18:45	109.52	4:52	252.67	62.17	28
Tue	29	4:27	5:13	62.82	12:20:40	77.36	19:28	297.10	20:14	1.00	14	19:41	112.67	5:31	248.99	62.61	29
Wed	30	4:27	5:13	62.63	12:20:48	77.51	19:28	297.29	20:15	0.99	15	20:35	114.67	6:12	246.34	62.99	30
Thu	31	4:26	5:12	62.45	12:20:56	77.65	19:29	297.48	20:15	0.95	16	21:26	115.44	6:57	244.85	63.30	31

Forest Lakes, AZ -- June of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Fri	1	4:26	5:12	62.27	12:21:05	77.79	19:30	297.66	20:16	0.91	17	22:13	114.96	7:45	244.61	63.49	1
Sat	2	4:26	5:12	62.11	12:21:15	77.92	19:30	297.83	20:17	0.85	18	22:56	113.29	8:36	245.60	63.55	2
Sun	3	4:25	5:12	61.95	12:21:24	78.04	19:31	297.99	20:17	0.77	19	23:35	110.56	9:29	247.75	63.45	3
Mon	4	4:25	5:11	61.80	12:21:34	78.16	19:31	298.14	20:18	0.69	20	-----	-----	10:23	250.93	63.18	4
Tue	5	4:25	5:11	61.66	12:21:45	78.27	19:32	298.29	20:19	0.60	21	0:12	106.92	11:18	254.98	62.73	5
Wed	6	4:24	5:11	61.52	12:21:56	78.37	19:33	298.42	20:19	0.50	22	0:46	102.52	12:14	259.75	62.11	6
Thu	7	4:24	5:11	61.40	12:22:07	78.47	19:33	298.55	20:20	0.40	23	1:18	97.51	13:11	265.08	61.33	7
Fri	8	4:24	5:11	61.28	12:22:18	78.56	19:34	298.67	20:20	0.30	24	1:51	92.07	14:10	270.78	60.45	8
Sat	9	4:24	5:11	61.17	12:22:30	78.64	19:34	298.78	20:21	0.21	25	2:24	86.36	15:11	276.64	59.50	9
Sun	10	4:24	5:11	61.08	12:22:42	78.71	19:35	298.89	20:21	0.13	26	2:59	80.63	16:15	282.37	58.56	10
Mon	11	4:24	5:11	60.98	12:22:54	78.78	19:35	298.98	20:22	0.06	27	3:38	75.18	17:22	287.58	57.71	11
Tue	12	4:24	5:11	60.90	12:23:06	78.85	19:35	299.07	20:22	0.02	28	4:22	70.42	18:30	291.79	57.03	12
Wed	13	4:24	5:11	60.83	12:23:19	78.90	19:36	299.14	20:23	0.00	0	5:12	66.85	19:38	294.48	56.57	13
Thu	14	4:24	5:11	60.76	12:23:32	78.95	19:36	299.21	20:23	0.01	1	6:09	64.94	20:43	295.27	56.37	14
Fri	15	4:24	5:11	60.71	12:23:44	78.99	19:37	299.27	20:24	0.06	2	7:12	65.00	21:43	294.05	56.45	15
Sat	16	4:24	5:11	60.66	12:23:57	79.03	19:37	299.32	20:24	0.13	3	8:20	67.04	22:35	291.04	56.78	16
Sun	17	4:24	5:11	60.62	12:24:10	79.06	19:37	299.36	20:24	0.22	4	9:28	70.74	23:21	286.67	57.33	17
Mon	18	4:24	5:11	60.59	12:24:23	79.08	19:38	299.40	20:25	0.32	5	10:35	75.64	-----	-----	58.01	18
Tue	19	4:24	5:11	60.57	12:24:36	79.09	19:38	299.42	20:25	0.43	6	11:40	81.25	0:02	281.42	58.78	19
Wed	20	4:24	5:11	60.56	12:24:50	79.10	19:38	299.44	20:25	0.54	7	12:43	87.16	0:38	275.71	59.58	20
Thu	21	4:24	5:12	60.55	12:25:03	79.10	19:38	299.45	20:26	0.64	8	13:44	93.05	1:12	269.88	60.35	21
Fri	22	4:25	5:12	60.56	12:25:16	79.09	19:39	299.44	20:26	0.74	9	14:43	98.67	1:46	264.20	61.06	22
Sat	23	4:25	5:12	60.57	12:25:28	79.08	19:39	299.43	20:26	0.82	10	15:41	103.78	2:19	258.88	61.70	23
Sun	24	4:25	5:12	60.60	12:25:41	79.06	19:39	299.41	20:26	0.89	11	16:39	108.18	2:54	254.14	62.25	24
Mon	25	4:25	5:13	60.63	12:25:54	79.03	19:39	299.39	20:26	0.95	12	17:35	111.69	3:31	250.17	62.71	25
Tue	26	4:26	5:13	60.67	12:26:06	79.00	19:39	299.35	20:26	0.98	13	18:29	114.12	4:11	247.14	63.09	26
Wed	27	4:26	5:13	60.72	12:26:19	78.96	19:39	299.30	20:26	1.00	14	19:21	115.36	4:54	245.21	63.37	27
Thu	28	4:27	5:14	60.77	12:26:31	78.91	19:39	299.25	20:26	1.00	15	20:10	115.34	5:41	244.50	63.56	28
Fri	29	4:27	5:14	60.84	12:26:43	78.86	19:39	299.19	20:26	0.98	16	20:54	114.11	6:30	245.03	63.66	29
Sat	30	4:27	5:14	60.91	12:26:55	78.80	19:39	299.12	20:26	0.94	17	21:35	111.75	7:22	246.76	63.64	30

Forest Lakes, AZ -- July of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Sun	1	4:28	5:15	61.00	12:27:06	78.73	19:39	299.04	20:26	0.89	18	22:12	108.43	8:16	249.58	63.49	1
Mon	2	4:28	5:15	61.09	12:27:18	78.66	19:39	298.95	20:26	0.82	19	22:47	104.32	9:11	253.32	63.20	2
Tue	3	4:29	5:16	61.19	12:27:29	78.58	19:39	298.85	20:26	0.74	20	23:20	99.57	10:06	257.80	62.76	3
Wed	4	4:29	5:16	61.30	12:27:40	78.49	19:39	298.75	20:26	0.65	21	23:51	94.37	11:02	262.86	62.17	4
Thu	5	4:30	5:17	61.42	12:27:50	78.39	19:39	298.63	20:26	0.56	22	-----	-----	11:59	268.33	61.43	5
Fri	6	4:30	5:17	61.54	12:28:00	78.29	19:39	298.51	20:26	0.45	23	0:23	88.86	12:57	274.01	60.58	6
Sat	7	4:31	5:18	61.68	12:28:10	78.19	19:39	298.38	20:25	0.35	24	0:56	83.25	13:58	279.69	59.64	7
Sun	8	4:32	5:18	61.82	12:28:19	78.07	19:39	298.24	20:25	0.25	25	1:32	77.77	15:01	285.07	58.68	8
Mon	9	4:32	5:19	61.97	12:28:28	77.95	19:38	298.09	20:25	0.16	26	2:12	72.73	16:07	289.75	57.77	9
Tue	10	4:33	5:19	62.13	12:28:37	77.82	19:38	297.94	20:24	0.08	27	2:58	68.56	17:15	293.26	56.98	10
Wed	11	4:34	5:20	62.29	12:28:45	77.69	19:38	297.77	20:24	0.03	28	3:51	65.73	18:22	295.10	56.40	11
Thu	12	4:34	5:20	62.47	12:28:53	77.55	19:37	297.60	20:24	0.00	0	4:51	64.71	19:25	294.94	56.09	12
Fri	13	4:35	5:21	62.65	12:29:00	77.41	19:37	297.42	20:23	0.01	1	5:57	65.74	20:23	292.77	56.07	13
Sat	14	4:36	5:22	62.84	12:29:07	77.25	19:37	297.24	20:23	0.04	2	7:07	68.72	21:13	288.91	56.35	14
Sun	15	4:36	5:22	63.04	12:29:14	77.10	19:36	297.04	20:22	0.10	3	8:18	73.24	21:57	283.84	56.89	15
Mon	16	4:37	5:23	63.24	12:29:19	76.93	19:36	296.84	20:22	0.19	4	9:26	78.78	22:37	278.10	57.64	16
Tue	17	4:38	5:24	63.46	12:29:25	76.76	19:35	296.63	20:21	0.29	5	10:32	84.80	23:13	272.10	58.51	17
Wed	18	4:39	5:24	63.68	12:29:29	76.59	19:35	296.42	20:20	0.39	6	11:35	90.90	23:47	266.20	59.44	18
Thu	19	4:39	5:25	63.90	12:29:34	76.40	19:34	296.19	20:20	0.50	7	12:36	96.75	-----	-----	60.35	19
Fri	20	4:40	5:26	64.14	12:29:37	76.22	19:34	295.96	20:19	0.60	8	13:36	102.12	0:21	260.65	61.19	20
Sat	21	4:41	5:26	64.38	12:29:40	76.02	19:33	295.72	20:19	0.70	9	14:33	106.80	0:56	255.66	61.93	21
Sun	22	4:42	5:27	64.63	12:29:43	75.82	19:33	295.48	20:18	0.78	10	15:30	110.62	1:32	251.40	62.54	22
Mon	23	4:43	5:28	64.88	12:29:45	75.62	19:32	295.22	20:17	0.86	11	16:25	113.41	2:10	248.05	63.01	23
Tue	24	4:43	5:28	65.14	12:29:46	75.41	19:31	294.96	20:16	0.92	12	17:17	115.05	2:52	245.75	63.36	24
Wed	25	4:44	5:29	65.41	12:29:46	75.19	19:31	294.70	20:16	0.96	13	18:07	115.46	3:38	244.63	63.58	25
Thu	26	4:45	5:30	65.69	12:29:47	74.97	19:30	294.43	20:15	0.99	14	18:53	114.63	4:26	244.74	63.68	26
Fri	27	4:46	5:30	65.97	12:29:46	74.75	19:29	294.15	20:14	1.00	15	19:35	112.65	5:18	246.07	63.67	27
Sat	28	4:47	5:31	66.26	12:29:45	74.51	19:29	293.86	20:13	0.99	16	20:13	109.63	6:11	248.54	63.56	28
Sun	29	4:48	5:32	66.55	12:29:43	74.28	19:28	293.57	20:12	0.97	17	20:49	105.75	7:06	251.99	63.35	29
Mon	30	4:48	5:33	66.85	12:29:41	74.04	19:27	293.27	20:11	0.92	18	21:22	101.19	8:01	256.26	63.03	30
Tue	31	4:49	5:33	67.16	12:29:38	73.79	19:26	292.97	20:10	0.86	19	21:54	96.14	8:56	261.14	62.61	31



**Forest Lakes, AZ -- August of 2018**

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Wed	1	4:50	5:34	67.47	12:29:34	73.54	19:25	292.66	20:09	0.79	20	22:25	90.77	9:52	266.45	62.06	1
Thu	2	4:51	5:35	67.79	12:29:30	73.28	19:25	292.34	20:08	0.70	21	22:57	85.27	10:49	272.01	61.41	2
Fri	3	4:52	5:36	68.12	12:29:25	73.02	19:24	292.02	20:07	0.60	22	23:30	79.83	11:48	277.60	60.65	3
Sat	4	4:53	5:36	68.45	12:29:20	72.75	19:23	291.70	20:06	0.50	23	-----	-----	12:48	282.99	59.82	4
Sun	5	4:54	5:37	68.78	12:29:14	72.48	19:22	291.36	20:05	0.39	24	0:07	74.73	13:51	287.86	58.95	5
Mon	6	4:54	5:38	69.12	12:29:08	72.21	19:21	291.03	20:04	0.28	25	0:49	70.27	14:56	291.82	58.09	6
Tue	7	4:55	5:38	69.47	12:29:01	71.93	19:20	290.68	20:03	0.18	26	1:37	66.88	16:02	294.43	57.31	7
Wed	8	4:56	5:39	69.82	12:28:53	71.64	19:19	290.33	20:02	0.10	27	2:32	64.98	17:05	295.28	56.68	8
Thu	9	4:57	5:40	70.17	12:28:45	71.35	19:18	289.98	20:01	0.04	28	3:34	64.95	18:05	294.15	56.28	9
Fri	10	4:58	5:41	70.54	12:28:36	71.06	19:17	289.62	20:00	0.01	29	4:42	66.93	18:59	291.11	56.14	10
Sat	11	4:59	5:41	70.90	12:28:27	70.77	19:16	289.26	19:59	0.00	0	5:53	70.73	19:47	286.54	56.30	11
Sun	12	5:00	5:42	71.27	12:28:17	70.46	19:15	288.89	19:57	0.03	1	7:04	75.91	20:30	280.96	56.74	12
Mon	13	5:00	5:43	71.65	12:28:07	70.16	19:14	288.52	19:56	0.08	2	8:13	81.91	21:09	274.86	57.42	13
Tue	14	5:01	5:44	72.03	12:27:56	69.85	19:13	288.14	19:55	0.16	3	9:20	88.21	21:45	268.69	58.28	14
Wed	15	5:02	5:44	72.41	12:27:44	69.54	19:12	287.76	19:54	0.25	4	10:24	94.40	22:20	262.79	59.23	15
Thu	16	5:03	5:45	72.80	12:27:32	69.22	19:10	287.37	19:53	0.34	5	11:25	100.15	22:55	257.42	60.20	16
Fri	17	5:04	5:46	73.19	12:27:20	68.90	19:09	286.98	19:51	0.45	6	12:25	105.23	23:31	252.78	61.11	17
Sat	18	5:05	5:47	73.59	12:27:06	68.58	19:08	286.59	19:50	0.55	7	13:23	109.44	-----	-----	61.92	18
Sun	19	5:05	5:47	73.99	12:26:53	68.25	19:07	286.19	19:49	0.64	8	14:19	112.63	0:09	249.05	62.58	19
Mon	20	5:06	5:48	74.39	12:26:39	67.92	19:06	285.79	19:48	0.73	9	15:13	114.67	0:50	246.36	63.08	20
Tue	21	5:07	5:49	74.80	12:26:24	67.59	19:05	285.38	19:46	0.81	10	16:03	115.49	1:35	244.84	63.41	21
Wed	22	5:08	5:49	75.21	12:26:09	67.26	19:03	284.97	19:45	0.88	11	16:50	115.06	2:22	244.54	63.59	22
Thu	23	5:09	5:50	75.63	12:25:53	66.92	19:02	284.56	19:44	0.94	12	17:34	113.44	3:13	245.48	63.61	23
Fri	24	5:10	5:51	76.05	12:25:37	66.58	19:01	284.14	19:42	0.97	13	18:13	110.73	4:06	247.59	63.51	24
Sat	25	5:10	5:52	76.47	12:25:21	66.23	19:00	283.72	19:41	1.00	14	18:50	107.09	5:00	250.76	63.30	25
Sun	26	5:11	5:52	76.89	12:25:04	65.88	18:58	283.30	19:40	1.00	15	19:24	102.69	5:55	254.82	63.00	26
Mon	27	5:12	5:53	77.32	12:24:47	65.53	18:57	282.88	19:38	0.98	16	19:56	97.72	6:51	259.57	62.62	27
Tue	28	5:13	5:54	77.75	12:24:29	65.18	18:56	282.45	19:37	0.95	17	20:28	92.39	7:47	264.82	62.18	28
Wed	29	5:14	5:54	78.18	12:24:11	64.82	18:54	282.02	19:35	0.90	18	20:59	86.88	8:44	270.36	61.67	29
Thu	30	5:14	5:55	78.62	12:23:53	64.47	18:53	281.58	19:34	0.83	19	21:32	81.40	9:42	275.98	61.10	30
Fri	31	5:15	5:56	79.06	12:23:34	64.11	18:52	281.14	19:33	0.74	20	22:07	76.21	10:42	281.43	60.48	31

Forest Lakes, AZ -- September of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Sat	1	5:16	5:57	79.50	12:23:15	63.74	18:50	280.70	19:31	0.64	21	22:46	71.58	11:43	286.44	59.81	1
Sun	2	5:17	5:57	79.94	12:22:56	63.38	18:49	280.26	19:30	0.54	22	23:30	67.86	12:45	290.66	59.11	2
Mon	3	5:17	5:58	80.39	12:22:37	63.01	18:48	279.82	19:28	0.43	23	-----	-----	13:49	293.73	58.42	3
Tue	4	5:18	5:59	80.84	12:22:17	62.64	18:46	279.37	19:27	0.31	24	0:21	65.41	14:51	295.27	57.78	4
Wed	5	5:19	5:59	81.29	12:21:57	62.27	18:45	278.92	19:25	0.21	25	1:18	64.61	15:51	295.01	57.23	5
Thu	6	5:20	6:00	81.74	12:21:37	61.90	18:44	278.47	19:24	0.12	26	2:21	65.67	16:46	292.87	56.85	6
Fri	7	5:21	6:01	82.20	12:21:17	61.53	18:42	278.02	19:23	0.06	27	3:29	68.60	17:36	289.04	56.66	7
Sat	8	5:21	6:02	82.65	12:20:56	61.15	18:41	277.56	19:21	0.01	28	4:39	73.11	18:20	283.92	56.72	8
Sun	9	5:22	6:02	83.11	12:20:36	60.77	18:40	277.10	19:20	0.00	0	5:49	78.77	19:01	277.97	57.03	9
Mon	10	5:23	6:03	83.57	12:20:15	60.39	18:38	276.65	19:18	0.02	1	6:58	85.07	19:38	271.68	57.58	10
Tue	11	5:24	6:04	84.03	12:19:54	60.01	18:37	276.19	19:17	0.06	2	8:05	91.50	20:15	265.45	58.32	11
Wed	12	5:24	6:04	84.50	12:19:33	59.63	18:35	275.72	19:15	0.12	3	9:09	97.67	20:50	259.63	59.19	12
Thu	13	5:25	6:05	84.96	12:19:12	59.25	18:34	275.26	19:14	0.20	4	10:11	103.25	21:27	254.50	60.11	13
Fri	14	5:26	6:06	85.43	12:18:51	58.87	18:33	274.80	19:12	0.29	5	11:12	107.99	22:05	250.26	61.01	14
Sat	15	5:27	6:06	85.89	12:18:29	58.48	18:31	274.33	19:11	0.39	6	12:10	111.70	22:46	247.08	61.82	15
Sun	16	5:27	6:07	86.36	12:18:08	58.10	18:30	273.86	19:10	0.48	7	13:06	114.23	23:30	245.08	62.50	16
Mon	17	5:28	6:08	86.83	12:17:47	57.71	18:28	273.40	19:08	0.58	8	13:58	115.51	-----	-----	63.01	17
Tue	18	5:29	6:09	87.30	12:17:25	57.32	18:27	272.93	19:07	0.67	9	14:46	115.52	0:16	244.33	63.34	18
Wed	19	5:29	6:09	87.77	12:17:04	56.94	18:25	272.46	19:05	0.76	10	15:31	114.30	1:06	244.84	63.47	19
Thu	20	5:30	6:10	88.24	12:16:42	56.55	18:24	271.99	19:04	0.83	11	16:12	111.94	1:58	246.57	63.43	20
Fri	21	5:31	6:11	88.71	12:16:21	56.16	18:23	271.52	19:02	0.90	12	16:50	108.58	2:52	249.40	63.23	21
Sat	22	5:32	6:11	89.18	12:16:00	55.77	18:21	271.05	19:01	0.95	13	17:24	104.38	3:47	253.20	62.91	22
Sun	23	5:32	6:12	89.65	12:15:39	55.95	18:20	270.58	18:59	0.98	14	17:57	99.52	4:43	257.79	62.49	23
Mon	24	5:33	6:13	90.12	12:15:18	56.34	18:18	270.11	18:58	1.00	15	18:29	94.20	5:40	262.97	62.01	24
Tue	25	5:34	6:13	90.60	12:14:57	54.60	18:17	269.64	18:57	0.99	16	19:01	88.61	6:38	268.55	61.50	25
Wed	26	5:35	6:14	91.07	12:14:36	54.21	18:16	269.17	18:55	0.97	17	19:34	82.99	7:36	274.28	60.98	26
Thu	27	5:35	6:15	91.54	12:14:16	53.82	18:14	268.70	18:54	0.92	18	20:08	77.58	8:36	279.93	60.45	27
Fri	28	5:36	6:16	92.01	12:13:56	53.44	18:13	268.23	18:52	0.86	19	20:46	72.68	9:37	285.19	59.94	28
Sat	29	5:37	6:16	92.48	12:13:36	53.05	18:11	267.76	18:51	0.78	20	21:28	68.62	10:40	289.73	59.44	29
Sun	30	5:38	6:17	92.95	12:13:16	52.66	18:10	267.29	18:50	0.68	21	22:16	65.76	11:43	293.19	58.96	30

Forest Lakes, AZ -- October of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Mon	1	5:38	6:18	93.42	12:12:56	52.27	18:09	266.82	18:48	0.57	22	23:10	64.42	12:45	295.23	58.52	1
Tue	2	5:39	6:19	93.89	12:12:37	51.88	18:07	266.35	18:47	0.46	23	-----	-----	13:44	295.56	58.12	2
Wed	3	5:40	6:19	94.36	12:12:18	51.50	18:06	265.88	18:45	0.35	24	0:10	64.83	14:39	294.11	57.78	3
Thu	4	5:40	6:20	94.83	12:12:00	51.11	18:04	265.41	18:44	0.24	25	1:14	67.03	15:29	290.98	57.55	4
Fri	5	5:41	6:21	95.29	12:11:42	50.73	18:03	264.94	18:43	0.15	26	2:21	70.87	16:14	286.44	57.45	5
Sat	6	5:42	6:22	95.76	12:11:24	50.34	18:02	264.48	18:41	0.08	27	3:30	75.99	16:54	280.89	57.51	6
Sun	7	5:43	6:22	96.22	12:11:07	49.96	18:00	264.01	18:40	0.03	28	4:37	81.98	17:32	274.75	57.75	7
Mon	8	5:43	6:23	96.69	12:10:50	49.58	17:59	263.55	18:39	0.00	0	5:44	88.39	18:09	268.42	58.18	8
Tue	9	5:44	6:24	97.15	12:10:34	49.20	17:58	263.09	18:37	0.01	1	6:50	94.79	18:44	262.29	58.77	9
Wed	10	5:45	6:25	97.61	12:10:18	48.82	17:56	262.63	18:36	0.04	2	7:54	100.80	19:21	256.67	59.49	10
Thu	11	5:46	6:25	98.07	12:10:02	48.44	17:55	262.17	18:35	0.08	3	8:56	106.10	19:59	251.86	60.28	11
Fri	12	5:46	6:26	98.52	12:09:47	48.07	17:54	261.71	18:34	0.15	4	9:57	110.42	20:39	248.08	61.09	12
Sat	13	5:47	6:27	98.98	12:09:32	47.70	17:53	261.26	18:32	0.23	5	10:55	113.58	21:22	245.48	61.84	13
Sun	14	5:48	6:28	99.43	12:09:18	47.32	17:51	260.81	18:31	0.32	6	11:50	115.44	22:08	244.17	62.48	14
Mon	15	5:49	6:29	99.88	12:09:05	46.95	17:50	260.36	18:30	0.41	7	12:40	115.98	22:58	244.18	62.97	15
Tue	16	5:50	6:29	100.33	12:08:52	46.59	17:49	259.91	18:29	0.50	8	13:27	115.22	23:49	245.46	63.27	16
Wed	17	5:50	6:30	100.77	12:08:39	46.22	17:47	259.46	18:27	0.60	9	14:09	113.27	-----	-----	63.38	17
Thu	18	5:51	6:31	101.22	12:08:28	45.86	17:46	259.02	18:26	0.69	10	14:48	110.26	0:43	247.90	63.28	18
Fri	19	5:52	6:32	101.66	12:08:16	45.50	17:45	258.58	18:25	0.77	11	15:24	106.35	1:37	251.35	63.00	19
Sat	20	5:53	6:33	102.10	12:08:06	45.14	17:44	258.14	18:24	0.85	12	15:57	101.71	2:33	255.67	62.56	20
Sun	21	5:53	6:34	102.53	12:07:56	44.78	17:43	257.70	18:23	0.91	13	16:29	96.49	3:29	260.68	62.01	21
Mon	22	5:54	6:34	102.96	12:07:46	44.43	17:42	257.27	18:22	0.96	14	17:01	90.90	4:26	266.20	61.39	22
Tue	23	5:55	6:35	103.39	12:07:38	44.08	17:40	256.84	18:21	0.99	15	17:33	85.13	5:25	272.01	60.75	23
Wed	24	5:56	6:36	103.81	12:07:30	43.73	17:39	256.41	18:19	1.00	16	18:07	79.46	6:25	277.87	60.13	24
Thu	25	5:57	6:37	104.24	12:07:22	43.39	17:38	255.99	18:18	0.98	17	18:44	74.17	7:27	283.48	59.56	25
Fri	26	5:57	6:38	104.65	12:07:16	43.05	17:37	255.57	18:17	0.95	18	19:26	69.63	8:31	288.48	59.08	26
Sat	27	5:58	6:39	105.07	12:07:10	42.71	17:36	255.16	18:16	0.89	19	20:12	66.24	9:36	292.48	58.69	27
Sun	28	5:59	6:40	105.48	12:07:05	42.37	17:35	254.74	18:15	0.81	20	21:05	64.34	10:39	295.07	58.40	28
Mon	29	6:00	6:41	105.89	12:07:01	42.04	17:34	254.34	18:14	0.71	21	22:03	64.19	11:40	295.97	58.20	29
Tue	30	6:01	6:42	106.29	12:06:57	41.72	17:33	253.93	18:13	0.60	22	23:06	65.86	12:36	295.06	58.09	30
Wed	31	6:02	6:42	106.69	12:06:54	41.39	17:32	253.53	18:12	0.49	23	-----	-----	13:27	292.43	58.05	31

Forest Lakes, AZ -- November of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Thu	1	6:02	6:43	107.08	12:06:52	41.07	17:31	253.14	18:12	0.38	24	0:12	69.18	14:13	288.36	58.08	1
Fri	2	6:03	6:44	107.47	12:06:51	40.76	17:30	252.74	18:11	0.27	25	1:18	73.84	14:53	283.21	58.19	2
Sat	3	6:04	6:45	107.85	12:06:51	40.44	17:29	252.36	18:10	0.18	26	2:24	79.46	15:31	277.35	58.38	3
Sun	4	6:05	6:46	108.23	12:06:52	40.14	17:28	251.98	18:09	0.10	27	3:29	85.65	16:06	271.15	58.68	4
Mon	5	6:06	6:47	108.61	12:06:53	39.83	17:27	251.60	18:08	0.04	28	4:34	92.01	16:41	264.96	59.08	5
Tue	6	6:07	6:48	108.98	12:06:55	39.53	17:26	251.23	18:07	0.01	29	5:37	98.19	17:16	259.09	59.57	6
Wed	7	6:08	6:49	109.34	12:06:58	39.24	17:25	250.86	18:07	0.00	0	6:40	103.87	17:53	253.84	60.16	7
Thu	8	6:08	6:50	109.70	12:07:02	38.95	17:25	250.50	18:06	0.02	1	7:42	108.73	18:32	249.48	60.79	8
Fri	9	6:09	6:51	110.06	12:07:07	38.66	17:24	250.14	18:05	0.05	2	8:42	112.52	19:14	246.25	61.45	9
Sat	10	6:10	6:52	110.40	12:07:13	38.38	17:23	249.79	18:04	0.10	3	9:39	115.05	19:59	244.30	62.08	10
Sun	11	6:11	6:53	110.75	12:07:19	38.10	17:22	249.44	18:04	0.17	4	10:32	116.21	20:48	243.71	62.63	11
Mon	12	6:12	6:54	111.08	12:07:26	37.83	17:22	249.11	18:03	0.25	5	11:21	116.01	21:39	244.45	63.05	12
Tue	13	6:13	6:55	111.41	12:07:34	37.57	17:21	248.77	18:03	0.33	6	12:06	114.54	22:32	246.43	63.32	13
Wed	14	6:14	6:56	111.74	12:07:43	37.31	17:20	248.44	18:02	0.42	7	12:46	111.95	23:26	249.49	63.39	14
Thu	15	6:15	6:56	112.05	12:07:53	37.05	17:20	248.12	18:01	0.52	8	13:22	108.39	----	----	63.26	15
Fri	16	6:15	6:57	112.37	12:08:04	36.80	17:19	247.81	18:01	0.61	9	13:56	104.05	0:21	253.46	62.93	16
Sat	17	6:16	6:58	112.67	12:08:15	36.56	17:18	247.50	18:00	0.70	10	14:28	99.08	1:16	258.18	62.42	17
Sun	18	6:17	6:59	112.97	12:08:27	36.32	17:18	247.20	18:00	0.79	11	14:59	93.64	2:13	263.48	61.76	18
Mon	19	6:18	7:00	113.26	12:08:40	36.09	17:17	246.91	17:59	0.86	12	15:31	87.91	3:10	269.18	61.00	19
Tue	20	6:19	7:01	113.54	12:08:54	35.86	17:17	246.62	17:59	0.93	13	16:04	82.11	4:09	275.09	60.20	20
Wed	21	6:20	7:02	113.82	12:09:09	35.64	17:16	246.34	17:59	0.97	14	16:39	76.49	5:11	280.94	59.41	21
Thu	22	6:21	7:03	114.09	12:09:24	35.43	17:16	246.07	17:58	1.00	15	17:19	71.43	6:15	286.39	58.71	22
Fri	23	6:22	7:04	114.35	12:09:40	35.22	17:15	245.80	17:58	0.99	16	18:04	67.34	7:21	291.04	58.14	23
Sat	24	6:22	7:05	114.60	12:09:57	35.02	17:15	245.54	17:58	0.97	17	18:56	64.68	8:27	294.40	57.74	24
Sun	25	6:23	7:06	114.85	12:10:15	34.82	17:15	245.29	17:57	0.91	18	19:54	63.80	9:32	296.07	57.52	25
Mon	26	6:24	7:07	115.08	12:10:34	34.63	17:14	245.05	17:57	0.84	19	20:57	64.85	10:32	295.82	57.49	26
Tue	27	6:25	7:08	115.31	12:10:53	34.45	17:14	244.82	17:57	0.75	20	22:04	67.71	11:26	293.70	57.61	27
Wed	28	6:26	7:09	115.54	12:11:13	34.27	17:14	244.59	17:57	0.64	21	23:11	72.05	12:13	290.00	57.85	28
Thu	29	6:27	7:10	115.75	12:11:33	34.11	17:14	244.37	17:57	0.53	22	----	----	12:55	285.10	58.19	29
Fri	30	6:27	7:10	115.95	12:11:55	33.94	17:13	244.16	17:56	0.41	23	0:17	77.44	13:33	279.44	58.58	30

Forest Lakes, AZ -- December of 2018

Day	No.	Day Break	Sun Rise	Sun Rise Azimuth	Solar Noon	Noon Sun Altitude	Sun Set	Sun Set Azimuth	Night Fall	Moon Phase	Moon Age	Moon Rise	Moon Rise Azimuth	Moon Set	Moon Set Azimuth	Moon Dist.	No.
Sat	1	6:28	7:11	116.15	12:12:17	33.79	17:13	243.96	17:56	0.31	24	1:22	83.45	14:08	273.37	59.02	1
Sun	2	6:29	7:12	116.34	12:12:40	33.64	17:13	243.77	17:56	0.21	25	2:25	89.71	14:42	267.23	59.48	2
Mon	3	6:30	7:13	116.52	12:13:03	33.50	17:13	243.59	17:56	0.13	26	3:27	95.90	15:16	261.29	59.97	3
Tue	4	6:31	7:14	116.69	12:13:27	33.36	17:13	243.41	17:56	0.07	27	4:29	101.72	15:51	255.83	60.48	4
Wed	5	6:31	7:15	116.85	12:13:52	33.24	17:13	243.24	17:56	0.03	28	5:30	106.89	16:28	251.11	61.00	5
Thu	6	6:32	7:16	117.00	12:14:17	33.12	17:13	243.09	17:56	0.00	29	6:30	111.15	17:08	247.38	61.52	6
Fri	7	6:33	7:16	117.14	12:14:42	33.00	17:13	242.94	17:56	0.00	0	7:28	114.25	17:52	244.84	62.04	7
Sat	8	6:34	7:17	117.28	12:15:09	32.90	17:13	242.80	17:56	0.02	1	8:23	116.04	18:39	243.63	62.53	8
Sun	9	6:34	7:18	117.40	12:15:35	32.80	17:13	242.67	17:57	0.06	2	9:14	116.44	19:30	243.79	62.95	9
Mon	10	6:35	7:19	117.52	12:16:02	32.71	17:13	242.55	17:57	0.11	3	10:01	115.50	20:22	245.26	63.28	10
Tue	11	6:36	7:19	117.62	12:16:30	32.63	17:13	242.44	17:57	0.18	4	10:43	113.35	21:16	247.89	63.48	11
Wed	12	6:37	7:20	117.72	12:16:58	32.56	17:14	242.34	17:57	0.26	5	11:21	110.17	22:11	251.51	63.52	12
Thu	13	6:37	7:21	117.81	12:17:26	32.49	17:14	242.24	17:58	0.34	6	11:56	106.15	23:05	255.91	63.37	13
Fri	14	6:38	7:21	117.88	12:17:54	32.43	17:14	242.16	17:58	0.43	7	12:28	101.47	-----	-----	63.04	14
Sat	15	6:38	7:22	117.95	12:18:23	32.38	17:14	242.09	17:58	0.53	8	12:58	96.29	0:00	260.92	62.50	15
Sun	16	6:39	7:23	118.01	12:18:52	32.33	17:15	242.02	17:58	0.63	9	13:29	90.76	0:56	266.38	61.80	16
Mon	17	6:40	7:23	118.06	12:19:21	32.30	17:15	241.97	17:59	0.72	10	14:00	85.05	1:53	272.12	60.96	17
Tue	18	6:40	7:24	118.09	12:19:50	32.27	17:15	241.93	17:59	0.81	11	14:34	79.37	2:52	277.95	60.04	18
Wed	19	6:41	7:25	118.12	12:20:20	32.25	17:16	241.89	18:00	0.89	12	15:11	74.00	3:54	283.60	59.10	19
Thu	20	6:41	7:25	118.14	12:20:49	32.24	17:16	241.87	18:00	0.95	13	15:53	69.32	4:59	288.73	58.23	20
Fri	21	6:42	7:26	118.15	12:21:19	32.23	17:17	241.86	18:01	0.99	14	16:41	65.80	6:06	292.87	57.49	21
Sat	22	6:42	7:26	118.15	12:21:48	32.23	17:17	241.85	18:01	1.00	15	17:38	63.92	7:13	295.52	56.95	22
Sun	23	6:43	7:27	118.13	12:22:18	32.24	17:18	241.86	18:01	0.98	16	18:41	64.04	8:17	296.26	56.66	23
Mon	24	6:43	7:27	118.11	12:22:48	32.26	17:18	241.87	18:02	0.94	17	19:48	66.20	9:16	294.95	56.63	24
Tue	25	6:44	7:27	118.08	12:23:17	32.29	17:19	241.90	18:03	0.87	18	20:58	70.12	10:08	291.76	56.84	25
Wed	26	6:44	7:28	118.04	12:23:47	32.32	17:19	241.93	18:03	0.78	19	22:07	75.34	10:54	287.11	57.26	26
Thu	27	6:44	7:28	117.99	12:24:16	32.37	17:20	241.98	18:04	0.68	20	23:14	81.32	11:34	281.52	57.83	27
Fri	28	6:45	7:28	117.93	12:24:46	32.42	17:21	242.03	18:04	0.57	21	-----	-----	12:11	275.43	58.49	28
Sat	29	6:45	7:29	117.86	12:25:15	32.47	17:21	242.10	18:05	0.46	22	0:18	87.64	12:45	269.22	59.20	29
Sun	30	6:45	7:29	117.78	12:25:44	32.54	17:22	242.17	18:06	0.35	23	1:21	93.91	13:19	263.19	59.89	30
Mon	31	6:46	7:29	117.69	12:26:12	32.61	17:23	242.26	18:06	0.25	24	2:23	99.86	13:53	257.59	60.55	31