## **2021 MILKY WAY CALENDAR - MIDWEST USA**

Google "CAPTURE THE ATLAS MILKY WAY" to download the yearly calendar for your location and get our Milky Way photography guide

Date	Moon			Sun		Milky Way			Galactic Center Visibility			Galactic Center Position
E C			5	<u>`</u>	$\dot{}$				***	***		*
				$-\frac{1}{\sqrt{2}}$		_~_						
	Illumination	Moonrise		Sunset	Sunrise	Start	End	Hours	Start	End	Hours	Average elevation
2-Jan	80%	20:36	10:40 <sup>+1</sup>	16:47	19:21			-			-	
9-Jan	15%	4:53 <sup>+1</sup>	13:46	16:54	7:21	-	-	-	-	-	-	-
16-Jan	20%	10:18 <sup>+1</sup>	20:53	17:01	7:18	5:43	5:44	0:01	5:43	5:44	0:01	Arch (15°)
23-Jan	75%	12:53	3:51 <sup>+1</sup>	17:10	7:14	5:15	5:41	0:26	5:15	5:41	0:26	Arch (15°)
30-Jan	95%	19:34	9:12 <sup>+1</sup>	17:18	7:09	4:48	5:36	0:48	-	-	-	
6-Feb	25%	3:51 <sup>+1</sup>	12:26	17:26	7:01	4:20	5:30	1:10	4:20	5:30	1:10	Arch (15°)
13-Feb 20-Feb	5% 65%	8:43 <sup>+1</sup> 11:25	19:40 2:37 <sup>+1</sup>	17:35 17:43	6:54 6:44	3:52 3:25	5:23 5:14	1:31 1:49	3:52 3:25	5:23 5:14	1:31 1:49	Arch (15°) - Arch (30°)
20-Feb 27-Feb	100%	18:27	7:41 +1	17:50	6:34	2:58	5:05	2:07	-		-	Arch (15º) - Arch (30º) -
6-Mar	40%	2:49 <sup>+1</sup>	11:12	17:58	6:25	2:30	4:54	2:24	- 2:30	- 2:49	- 0:19	- Arch (15º) - Arch (30º)
I3-Mar	40 <i>%</i> 0%	8:10 <sup>+1</sup>	18:29	18:05	7:12	3:02	4.34 5:42	2:24	3:02	5:42	2:40	Arch (15°) - Arch (40°)
20-Mar	45%	10:59	2:24 <sup>+1</sup>	19:13	7:01	2:35	5:31	2:40	2:35	5:31	2:56	Arch (15°) - Arch (45°)
27-Mar	95%	18:15	7:08 <sup>+1</sup>	19:20	6:50	2:08	5:19	3:11	-	-	-	-
3-Apr	55%	2:44 +1	11:00	19:20	6:39	1:40	5:06	3:26	1:40	2:44	- 1:04	- Arch (15º) - Arch (30º)
I0-Apr	0%	6:37 <sup>+1</sup>	18:21	19:34	6:28	1:12	4:53	3:41	1:12	4:53	3:41	Arch (15°) - Arch (55°)
17-Apr	30%	9:38	1:12 +1	19:41	6:17	0:45	4:40	3:55	0:45	4:40	3:55	Arch (15°) - Arch (55°)
24-Apr	90%	17:02	5:33 <sup>+1</sup>	19:48	6:09	0:17	4:27	4:10	-		-	-
1-May	70%	1:33 +1	9:49	19:55	5:59	23:50	4:15	4:25	23:50	1:33	1:43	Arch (15º) - Arch (35º)
8-May	10%	5:05 <sup>+1</sup>	17:14	20:02	5:51	23:23	4:04	4:41	23:23	4:04	4:41	Arch (15°) - Vertical (65°)
15-May	15%	9:14 <sup>+1</sup>	0:00	20:08	5:44	22:55	3:54	4:59	22:55	3:54	4:59	Arch (15°) - Vertical (70°)
22-May	80%	15:52	4:00 <sup>+1</sup>	20:14	5:40	22:27	3:45	5:18	-	-	-	-
29-May	85%	12:13 <sup>+1</sup>	8:35	20:20	5:35	22:17	3:38	5:21	22:17	3:38	5:21	Arch (15°) - Vertical (75°)
5-Jun	15%	3:34 <sup>+1</sup>	16:06	20:25	5:33	22:24	3:33	5:09	22:24	3:33	5:09	Arch (25°) - Vertical (80°)
12-Jun	5%	8:06 <sup>+1</sup>	22:45	20:28	5:32	22:30	3:30	5:00	22:30	3:30	5:00	Arch (30°) - Vertical (85°)
19-Jun	65%	14:46	2:28 <sup>+1</sup>	20:31	5:32	22:33	3:30	4:57	2:28	3:30	1:02	Vertical (80°)
26-Jun	95%	22:48 <sup>+1</sup>	8:34	20:32	5:34	22:34	3:32	4:58	22:34	22:48	0:14	Arch (40°)
3-Jul	30%	2:01 <sup>+1</sup>	14:57	20:31	5:38	22:32	3:37	5:05	22:32	3:37	5:05	Arch (45°) - Vertical (-80°)
10-Jul	0%	7:01 <sup>+1</sup>	21:28	20:29	5:42	22:27	3:42	5:15	22:27	3:42	5:15	Arch (50°) - Vertical (-75°)
17-Jul	55%	13:45	0:59 <sup>+1</sup>	20:25	5:47	22:20	3:14	4:54	0:59	3:14	2:15	Vertical (85°) - Vertical (-80°)
24-Jul	100%	21:21	7:23 <sup>+1</sup>	20:19	5:53	22:12	2:46	4:34	-	-	-	-
31-Jul	50%	0:29 <sup>+1</sup>	13:46	20:13	5:59	22:01	2:19	4:18	22:01	0:29	2:28	Vertical (60°) - Vertical (85°)
7-Aug	0%	5:55 <sup>+1</sup>	20:05	20:06	6:05	21:50	1:52	4:02	21:50	1:52	4:02	Vertical (65°) - Vertical (-80°)
14-Aug	40%	14:01 <sup>+1</sup>	23:33	19:57	6:12	21:38	1:24	3:46	23:33	1:24	1:51	Vertical (85°) - Vertical (-75°)
21-Aug	100%	19:53	6:14 <sup>+1</sup>	19:47	6:19	21:26	0:57	3:31	-		-	
28-Aug	70%	22:56	13:35 <sup>+1</sup>	19:37	6:25	21:13	0:29	3:16	21:13	22:56	1:43	Vertical (70º) - Vertical (90º)
4-Sep	5%	4:46 <sup>+1</sup>	18:39	19:26	6:32	21:00	0:02	3:02	21:00	0:02	3:02	Vertical (75º) - Vertical (-80º)
11-Sep	30%	13:07 <sup>+1</sup>	22:08	19:15	6:38	20:46	23:34	2:48	22:08	23:34	1:26	Vertical (90°) - Vertical (-75°)
18-Sep	95%	18:25	5:07 <sup>+1</sup>	19:03	6:45	20:34	23:06	2:32	-	-	-	-
25-Sep	80%	21:26	12:23 <sup>+1</sup>	18:51	6:52	20:21	22:39	2:18	20:21	21:26	1:05	Vertical (85°) - Vertical (-85°)
2-Oct	15%	3:34 <sup>+1</sup>	17:10	18:40	6:58	20:10	22:11	2:01	20:10	22:11	2:01	Vertical (85°) - Vertical (-80°)
9-Oct	15%	12:09 <sup>+1</sup>	20:45	18:29	7:06	19:59	21:44	1:45	19:59	21:44	1:45	Vertical (85°) - Vertical (-75°)
16-Oct	85%	16:58	4:03 <sup>+1</sup>	18:18	7:13	19:49	21:17	1:28	-	-	-	-
23-Oct	90%	19:58	11:14 <sup>+1</sup>	18:09	7:20	19:39	20:49	1:10	19:39	19:58	0:19	Vertical (-85°)
30-Oct	25%	2:21 +1	15:39	18:00	7:28	19:31	20:21	0:50	19:31	20:21	0:50	Vertical (-85°)
6-Nov	5%	10:04 <sup>+1</sup>	19:23	17:52	6:36	19:24	19:54	0:30	19:24	19:54	0:30	Vertical (-80°)
13-Nov	75%	14:28	2:00 +1	16:45	6:43	18:18	18:26	0:08			-	
20-Nov	100%	17:34	9:04 <sup>+1</sup>	16:40	6:52			-			-	
27-Nov	45%	0:11 <sup>+1</sup>	13:08	16:37	6:59			-			-	
4-Dec	0%	8:51 <sup>+1</sup>	16:59	16:35	7:06			-			-	
11-Dec	50%	12:57	0:55 <sup>+1</sup>	16:35	7:11			-			-	
18-Dec	100%	16:13	7:53 <sup>+1</sup>	16:37	7:17			-			-	
25-Dec	65%	23:05	12:02 <sup>+1</sup>	16:41	7:20			-	-	-	-	-

Best days to photograph the Milky Way

Days where the Milky Way is only visible for a short time

Days where the Milky Way is not visible

**NOTE:** Milky Way calendar created for Denver (Colorado) and locations along the 39° North latitude line. To download other Milky Way calendars, visit: <u>capturetheatlas.com</u>

