

Comet ATLAS (C/2019 Y4)

—Local Circumstances for Dodgeville WI—

Earliest Time Visible in a Dark Sky
At Least 10° Above the Horizon

Date	Time	Epoch of Date		Distance to		Constellation	Azimuth	Alt	Phase Angle
		RA	Dec	Earth	Sun				
T/F Apr 9/10	9:18 p.m.	6.54.13	+67.15.21	1.02 AU	1.30 AU	Camelopardalis	333° (NNW)	+58°	49.2°
F/S Apr 10/11	9:20 p.m.	6.48.21	+67.01.45	1.01 AU	1.29 AU	Camelopardalis	331° (NNW)	+57°	50.0°
S/S Apr 11/12	9:21 p.m.	6.42.40	+66.47.19	1.01 AU	1.27 AU	Camelopardalis	330° (NNW)	+56°	50.8°
S/M Apr 12/13	9:23 p.m.	6.37.07	+66.32.04	1.00 AU	1.25 AU	Camelopardalis	329° (NNW)	+55°	51.5°
M/T Apr 13/14	9:24 p.m.	6.31.44	+66.16.04	1.00 AU	1.23 AU	Camelopardalis	328° (NNW)	+54°	52.3°
T/W Apr 14/15	9:26 p.m.	6.26.30	+65.59.19	1.00 AU	1.21 AU	Camelopardalis	327° (NNW)	+53°	53.1°
W/T Apr 15/16	9:28 p.m.	6.21.25	+65.41.53	0.99 AU	1.19 AU	Camelopardalis	326° (NW)	+52°	53.9°
T/F Apr 16/17	9:29 p.m.	6.16.28	+65.23.47	0.99 AU	1.17 AU	Camelopardalis	326° (NW)	+51°	54.7°
F/S Apr 17/18	9:31 p.m.	6.11.38	+65.05.02	0.99 AU	1.15 AU	Camelopardalis	325° (NW)	+50°	55.5°
S/S Apr 18/19	9:32 p.m.	6.06.57	+64.45.40	0.98 AU	1.13 AU	Camelopardalis	324° (NW)	+49°	56.3°
S/M Apr 19/20	9:34 p.m.	6.02.22	+64.25.40	0.98 AU	1.11 AU	Camelopardalis	324° (NW)	+48°	57.2°
M/T Apr 20/21	9:36 p.m.	5.57.53	+64.05.03	0.97 AU	1.09 AU	Camelopardalis	323° (NW)	+47°	58.1°
T/W Apr 21/22	9:37 p.m.	5.53.31	+63.43.50	0.97 AU	1.07 AU	Camelopardalis	323° (NW)	+46°	58.9°
W/T Apr 22/23	9:39 p.m.	5.49.14	+63.21.59	0.96 AU	1.05 AU	Camelopardalis	323° (NW)	+45°	59.8°
T/F Apr 23/24	9:41 p.m.	5.45.02	+62.59.29	0.96 AU	1.03 AU	Camelopardalis	323° (NW)	+43°	60.8°
F/S Apr 24/25	9:42 p.m.	5.40.55	+62.36.21	0.95 AU	1.00 AU	Camelopardalis	322° (NW)	+42°	61.7°
S/S Apr 25/26	10:43 p.m.	5.36.41	+62.11.28	0.95 AU	0.98 AU	Camelopardalis	326° (NW)	+35°	62.8°
S/M Apr 26/27	11:45 p.m.	5.32.31	+61.45.47	0.94 AU	0.96 AU	Camelopardalis	331° (NNW)	+28°	63.8°
M/T Apr 27/28	12:44 a.m.	5.28.25	+61.19.18	0.94 AU	0.94 AU	Camelopardalis	337° (NNW)	+22°	64.9°
T/W Apr 28/29	1:38 a.m.	5.24.22	+60.51.60	0.93 AU	0.92 AU	Camelopardalis	343° (NNW)	+18°	66.0°
W/T Apr 29/30	2:25 a.m.	5.20.21	+60.23.50	0.93 AU	0.89 AU	Camelopardalis	350° (N)	+15°	67.2°
T/F Apr 30/1	3:06 a.m.	5.16.23	+59.54.44	0.92 AU	0.87 AU	Camelopardalis	356° (N)	+13°	68.4°
F/S May 1/2	3:41 a.m.	5.12.26	+59.24.35	0.91 AU	0.85 AU	Camelopardalis	1° (N)	+12°	69.7°
S/S May 9/10	10:09 p.m.	4.41.59	+54.42.03	0.86 AU	0.67 AU	Camelopardalis	325° (NW)	+22°	81.5°
S/M May 10/11	10:10 p.m.	4.37.55	+53.55.52	0.85 AU	0.65 AU	Camelopardalis	326° (NW)	+21°	83.5°
M/T May 11/12	10:12 p.m.	4.33.48	+53.06.30	0.84 AU	0.62 AU	Camelopardalis	326° (NNW)	+19°	85.5°
T/W May 12/13	10:14 p.m.	4.29.39	+52.13.39	0.84 AU	0.60 AU	Perseus	327° (NNW)	+18°	87.8°
W/T May 13/14	10:16 p.m.	4.25.27	+51.16.54	0.83 AU	0.58 AU	Perseus	328° (NNW)	+16°	90.1°
T/F May 14/15	10:18 p.m.	4.21.13	+50.15.48	0.82 AU	0.55 AU	Perseus	328° (NNW)	+14°	92.6°
F/S May 15/16	10:19 p.m.	4.16.57	+49.09.54	0.81 AU	0.53 AU	Perseus	329° (NNW)	+12°	95.3°
S/S May 16/17	10:21 p.m.	4.12.41	+47.58.35	0.81 AU	0.50 AU	Perseus	330° (NNW)	+10°	98.3°

The phase angle is the Sun-Comet-Earth angle. A comet's tails are usually best presented when the phase angle is near 90°.