

<u>Meeting Date</u>	April 16, 2023		
<u>Night Begins</u>	9:56 PM. EDT	<i>Note: Astronomical Twilight Ends</i>	
<u>Solar Noon / Midnight</u>	1:31 EDT	<i>Note: on Meeting Date</i>	
<u>Moon Quarters</u>	Full 04/06, Last 04/13, New 04/20, First 04/27		
<u>Darkest Evenings</u>	04/10 – 04/25	<i>Note: 2 days before Last Quarter thru 2 days before First Quarter</i>	

Viewing Resources	Evening Sky Maps	http://skymaps.com/
	Astronomy Forecast	https://www.cleardarksky.com/
	RASC Finest NGC Objects	https://www.rasc.ca/finest-ngc-objects
	A. Clarke's Discovering Astronomy	https://discovering-astronomy.eu/index.html

RASC Finest NGC Focus: 11.99 Hours RA Thru 12.49 Hours RA *Note: West to East*

Featured Objects

Primary ID	RASC Number	Alternate ID	Con	Type	RA 2000	Decl 2000	Mag	Size
NGC 4026	45	MCG 9-20-52	UMa	Gal	11h59m25.2s	+50°57'42"	11.7	4.7'x 0.9'
	Lens-shaped edge-on near gamma UMa							
NGC 4088	46	Arp 18	UMa	Gal	12h05m33.7s	+50°32'22"	11.3	5.8'x 2.2'
	Nearly edge-on; NGC 4085 in same field							
NGC 4157	47	MCG 9-20-106	UMa	Gal	12h11m04.9s	+50°29'07"	12.1	6.6'x 1.2'
	A thin sliver; NGCs 4026 & 4088 nearby							
NGC 4449	62	MCG 7-26-9	CVn	Gal	12h28m10.9s	+44°05'33"	9.5	5.2'x 3.3'
	Bright with odd rectangular shape							
NGC 4111	59	MCG 7-25-26	CVn	Gal	12h07m03.2s	+43°03'55"	11.7	2.0'x 0.6'
	Bright lens-shaped edge-on spiral							
NGC 4244	61	Silver Needle	CVn	Gal	12h17m29.5s	+37°48'25"	10.4	15.1'x 5.9'
	!! large distinct edge-on spiral							
NGC 4214	60	MCG 6-27-42	CVn	Gal	12h15m39.1s	+36°19'41"	10.2	7.8'x 6.3'
	Large irregular galaxy							
NGC 4414	69	MCG 5-29-85	Com	Gal	12h26m27.1s	+31°13'22"	11	2.8'x 1.6'
	Bright spiral with star-like nucleus							
NGC 4274	68	MCG 5-29-60	Com	Gal	12h19m50.5s	+29°36'51"	11.3	5.0'x 2.1'
	NGCs 4278, 4283, & 4286 in same field							
NGC 4216	76	MCG 2-31-72	Vir	Gal	12h15m54.3s	+13°09'00"	11	7.9'x 1.9'
	Nearly edge-on; with NGCs 4206 & 4222							
NGC 4438	78	The Eyes	Vir	Gal	12h27m45.9s	+13°00'32"	10.9	8.9'x 5.1'
	Paired with NGC 4435 to form the "Eyes"							
NGC 4388	77	MCG 2-32-41	Vir	Gal	12h25m46.8s	+12°39'44"	11.9	5.5'x 1.4'
	With M84 and M86 in Markarian's Chain							
NGC 4361	75	PN G294.1+43.6	Crv	PN	12h24m30.8s	-18°47'06"	10.9	1.3'
	Small and bright; with 13th-mag central star							
NGC 4038	74	The Antennae	Crv	Gal	12h01m52.9s	-18°52'03"	10.9	4.4'x 2.7'
	"Antennae" or "Rattail" interacting galaxies							

Urban & Small Scope Bonus Focus: 11.99 Hours RA Thru 12.49 Hours RA *Note: West to East*

A selection of double stars from Agnes Clarke's excellent book, *Discovering Double Stars (for Northern light-polluted skies)*

Featured Double Stars

Primary ID	Magnitude	Separation	PA	Description
65 UMa, page 151	6.5 8.3	3.9"	43	A white primary with a tightly bound secondary
2 CVn, page 152	5.8 8.1	11.4"	260	A yellow-blue pairing with easy separation
2 Com, page 156	6.2 7.5	3.4"	234	A white primary with a tightly bound and fairly apparent secondary.
STF 1627, page 162	6.6 6.9	20.1"	196	An equal and easily separated pair of fairly bright white stars
Delta Crv, page 163	3.0 9.2	24.2"	214	A brilliant bluish primary widely separated from a faint companion