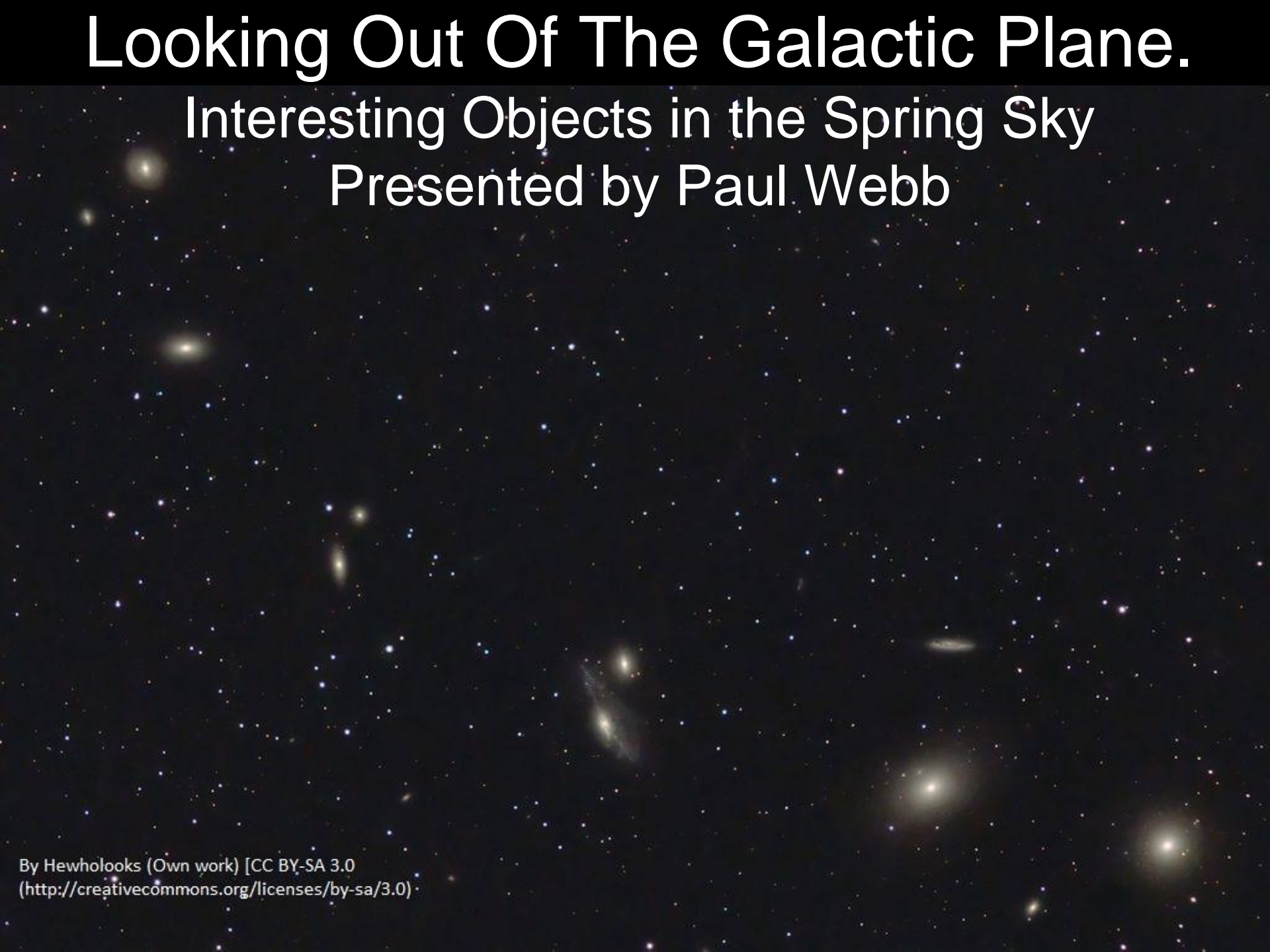


Looking Out Of The Galactic Plane.

Interesting Objects in the Spring Sky

Presented by Paul Webb



The Realm of the Galaxies within Leo, Virgo & Coma Berenices

Galaxies upto mag 12

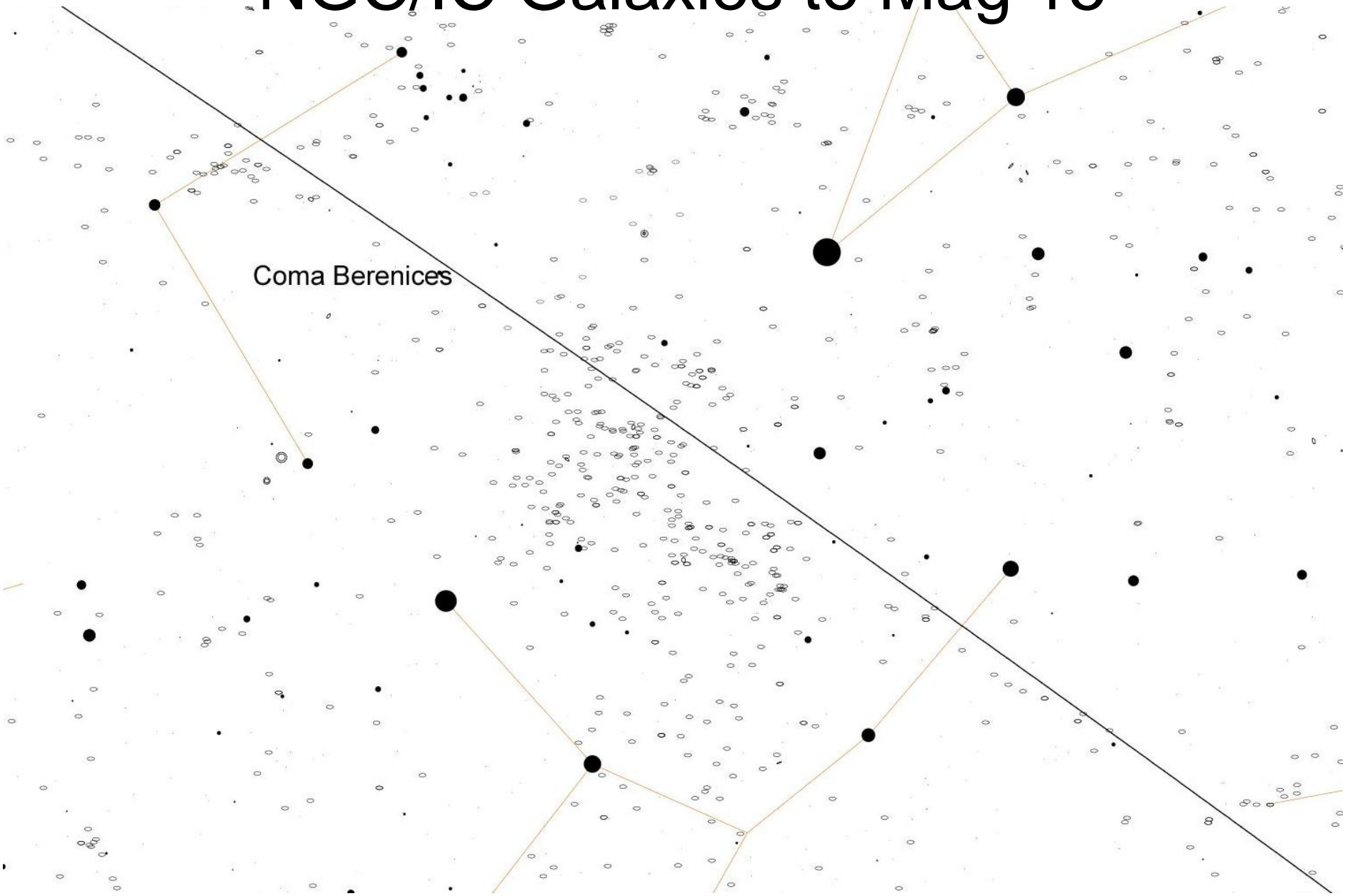
| | |
|-------|------|
| Leo | 60+ |
| Virgo | 180+ |
| Com | 50+ |



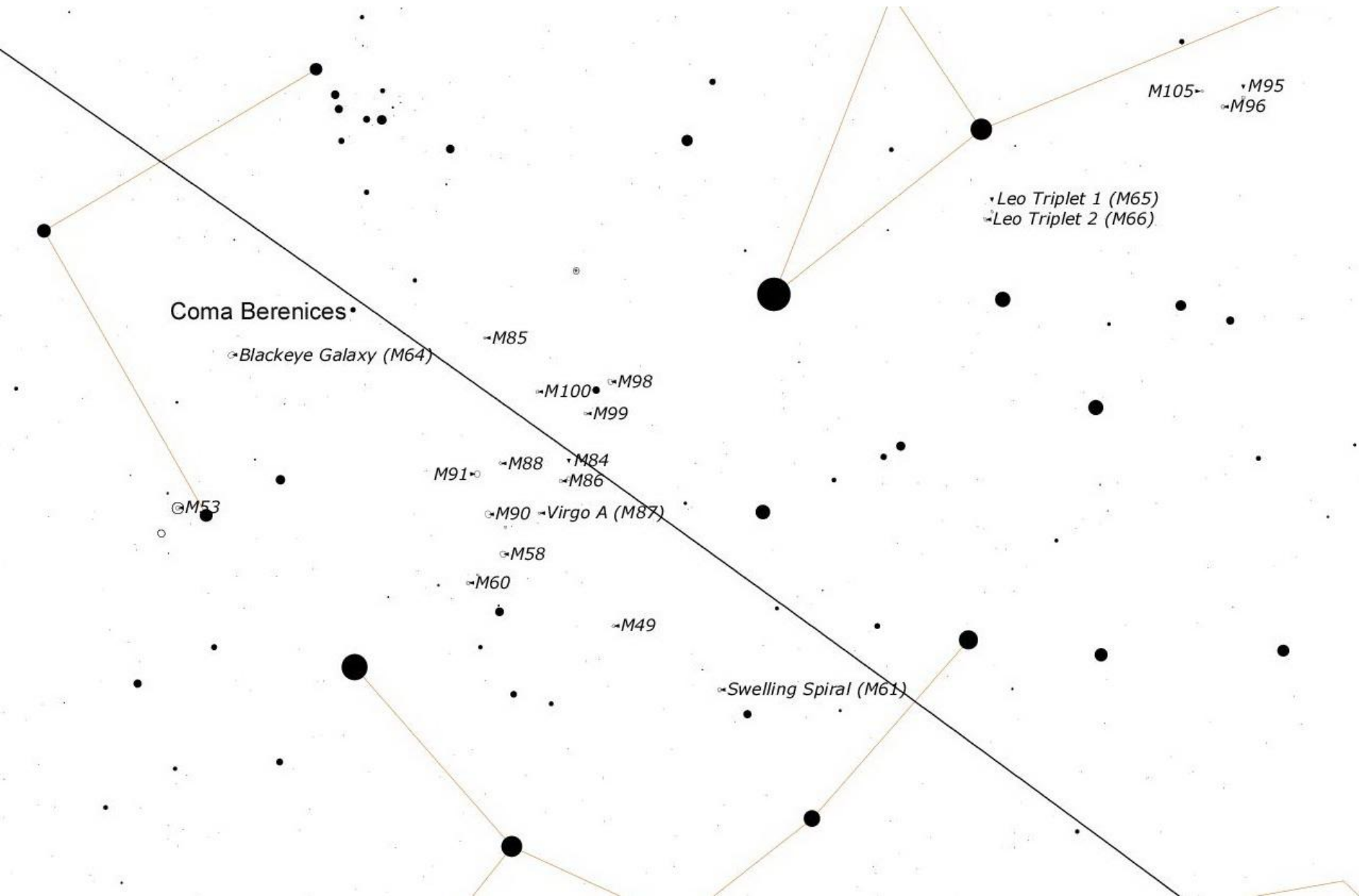


NGC/IC Galaxies to Mag 15

Coma Berenices



Messier Objects



So Many Galaxies But What Can I See With My Scope?

4 to 5" scope most of the Messier objects

6 to 8" scope all the Messier objects plus some NGC

Bigger 1000's of galaxies

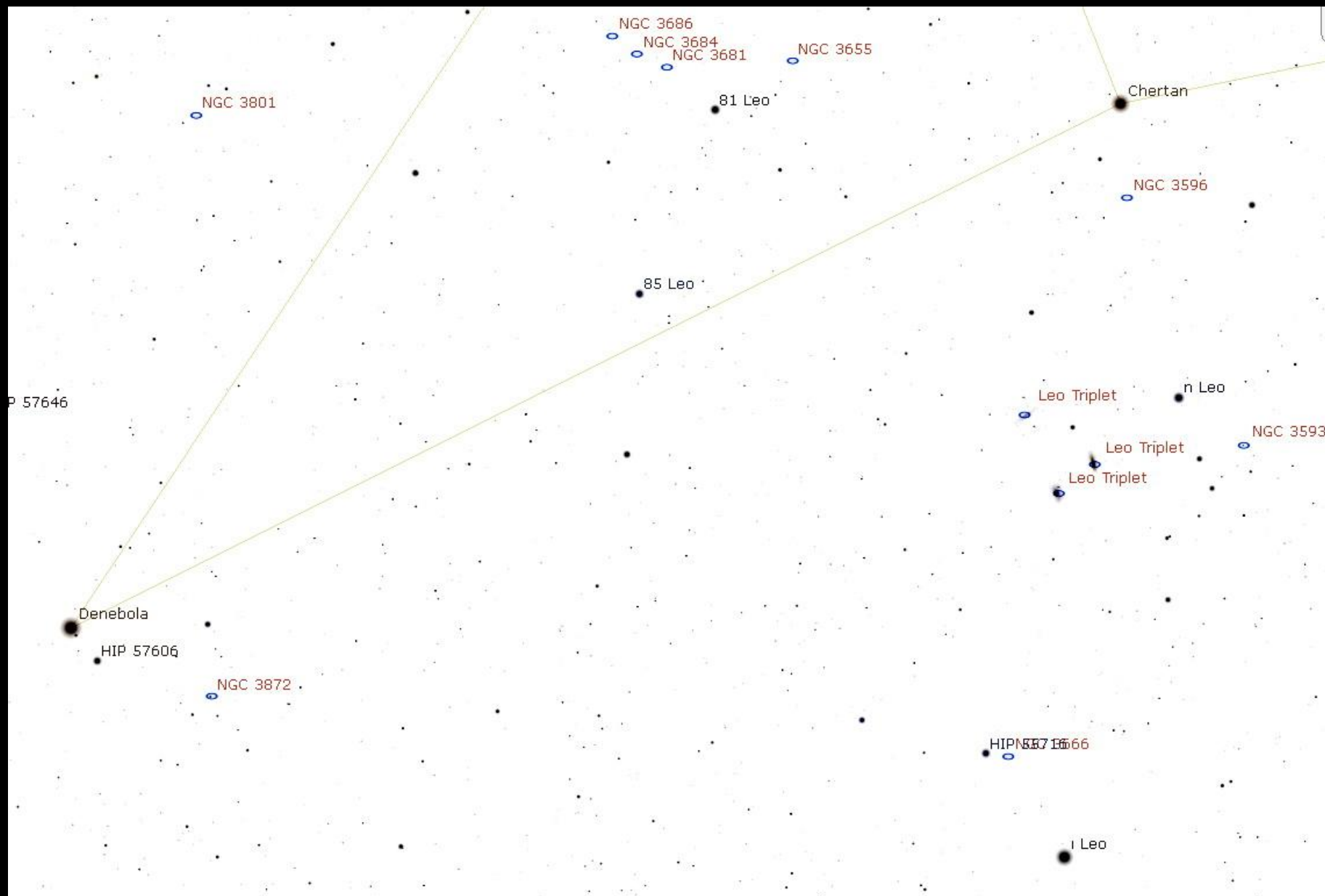
Leo

M65, M66 & NGC 3628

M105 & NGC 3384

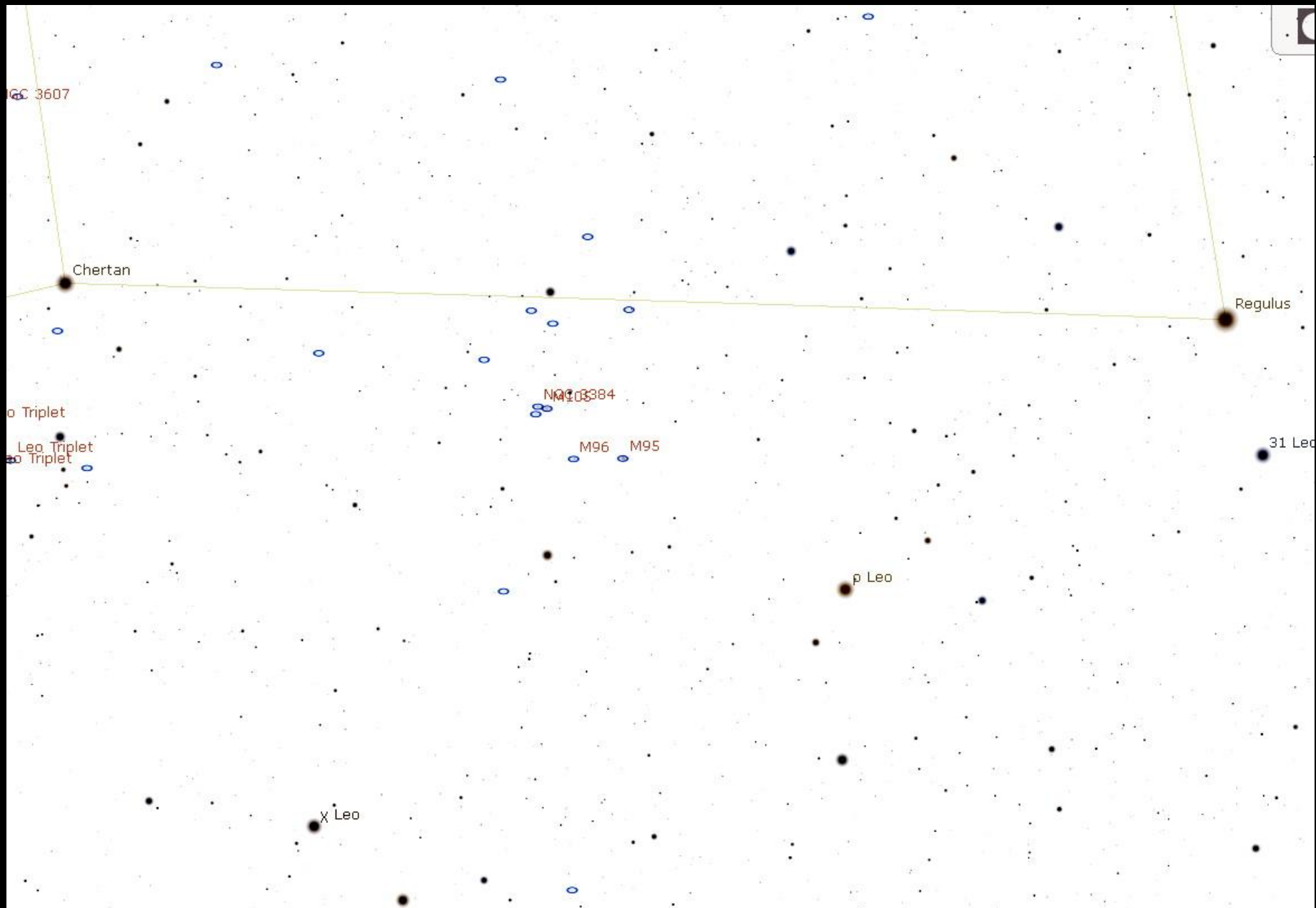
M96 & M95

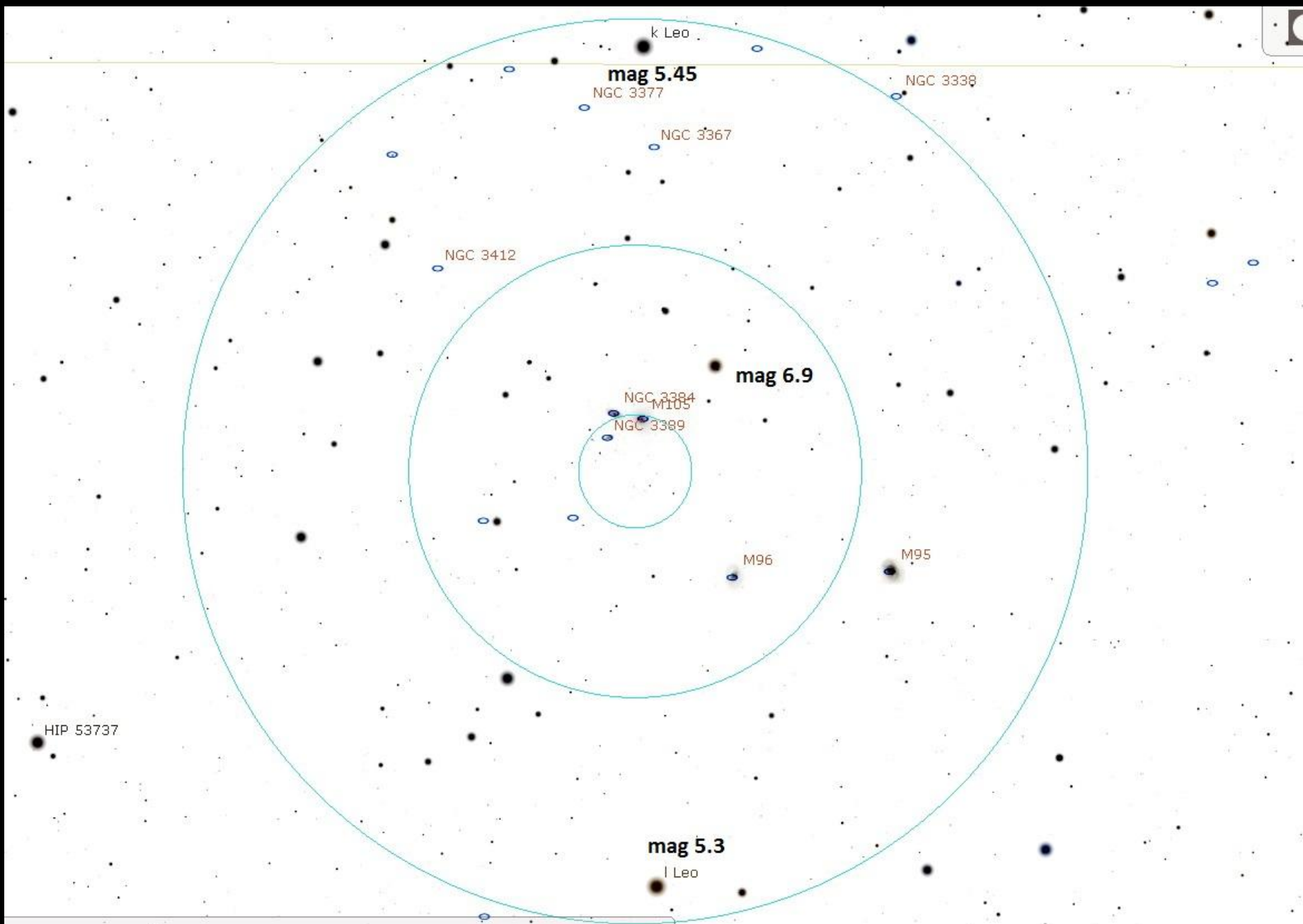
NGC 2903



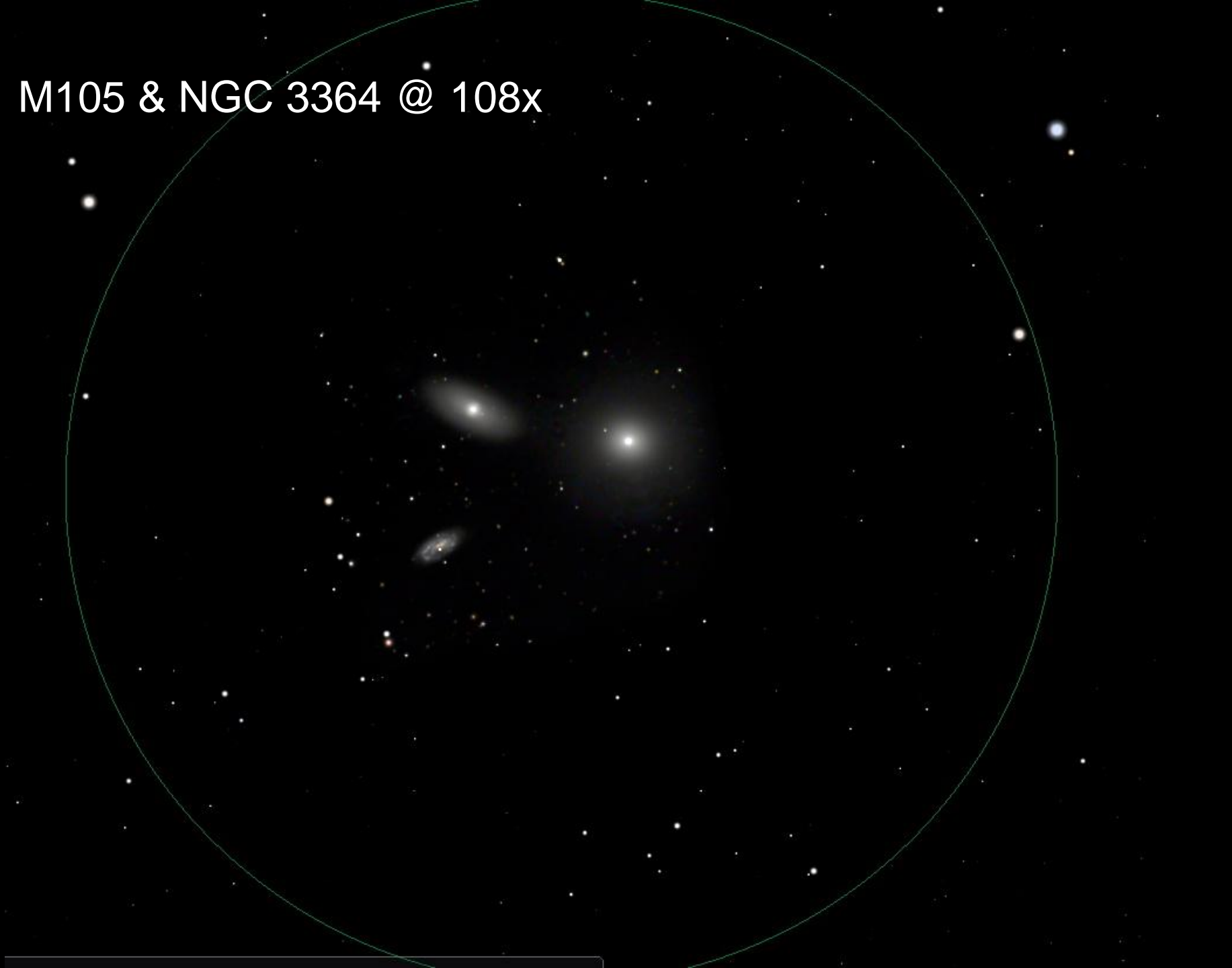
Leo Triplet @ 75x





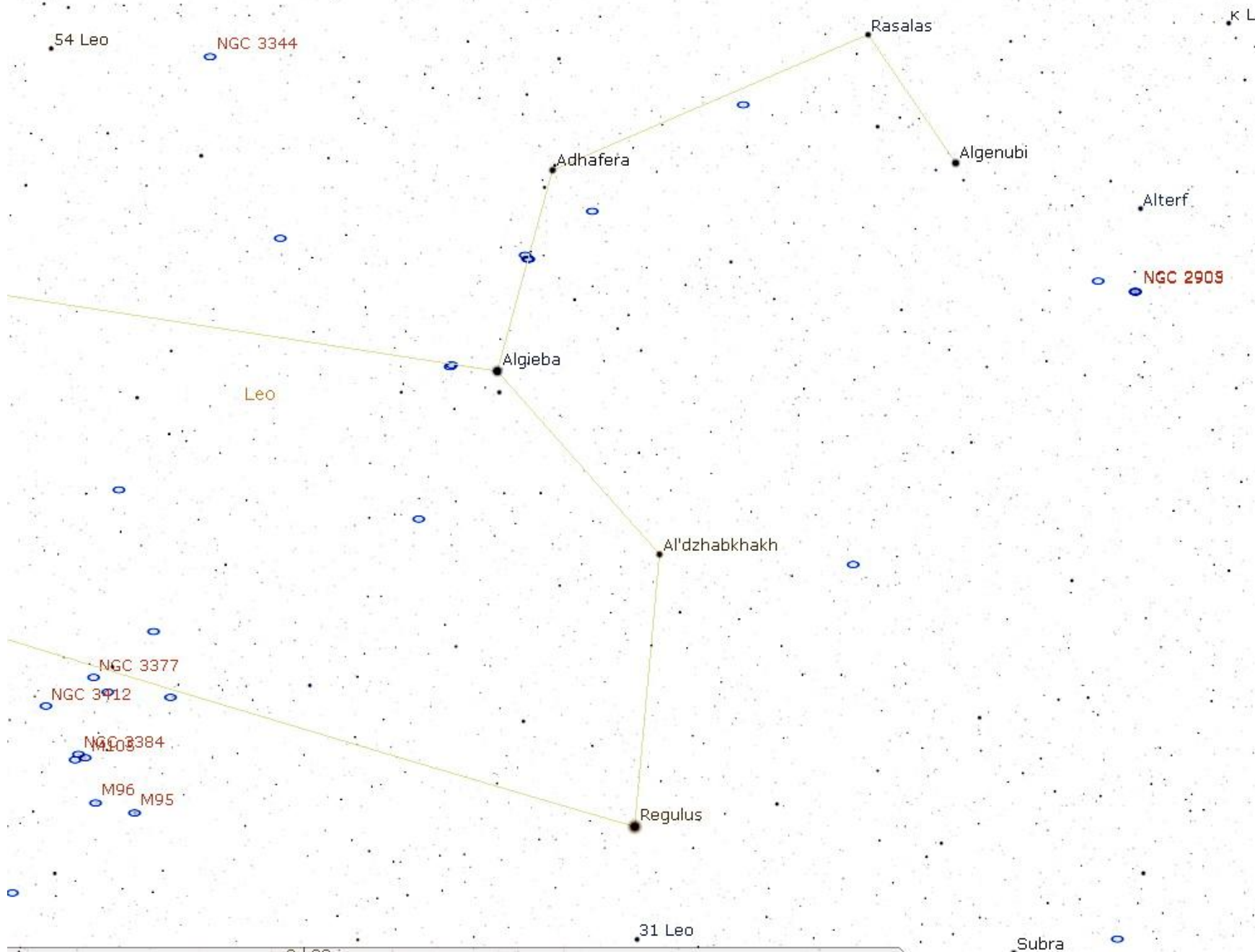


M105 & NGC 3364 @ 108x

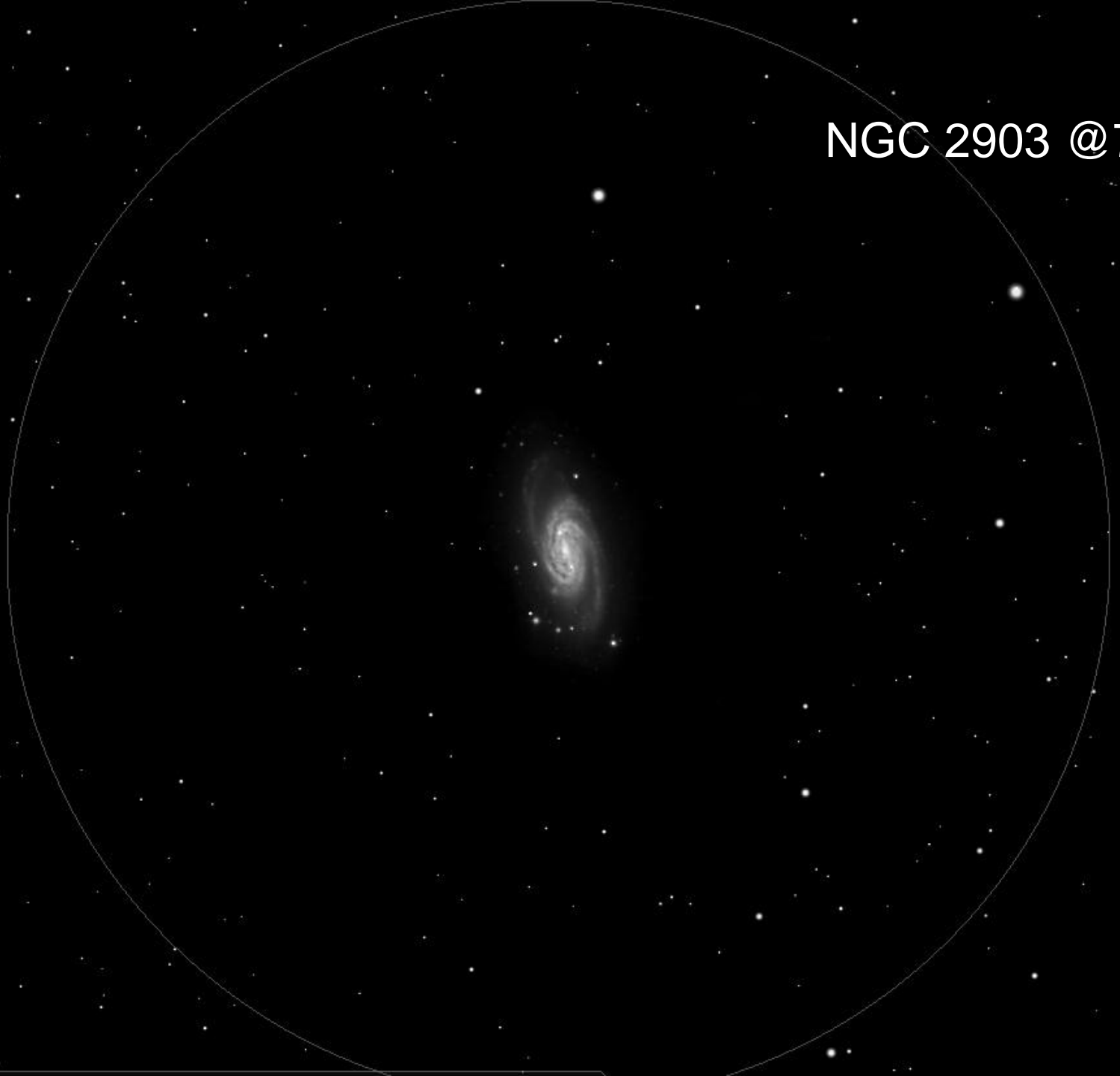


M96 & M95 @ 50x





NGC 2903 @75x



Coma Berenices

The Whale NGC 4631

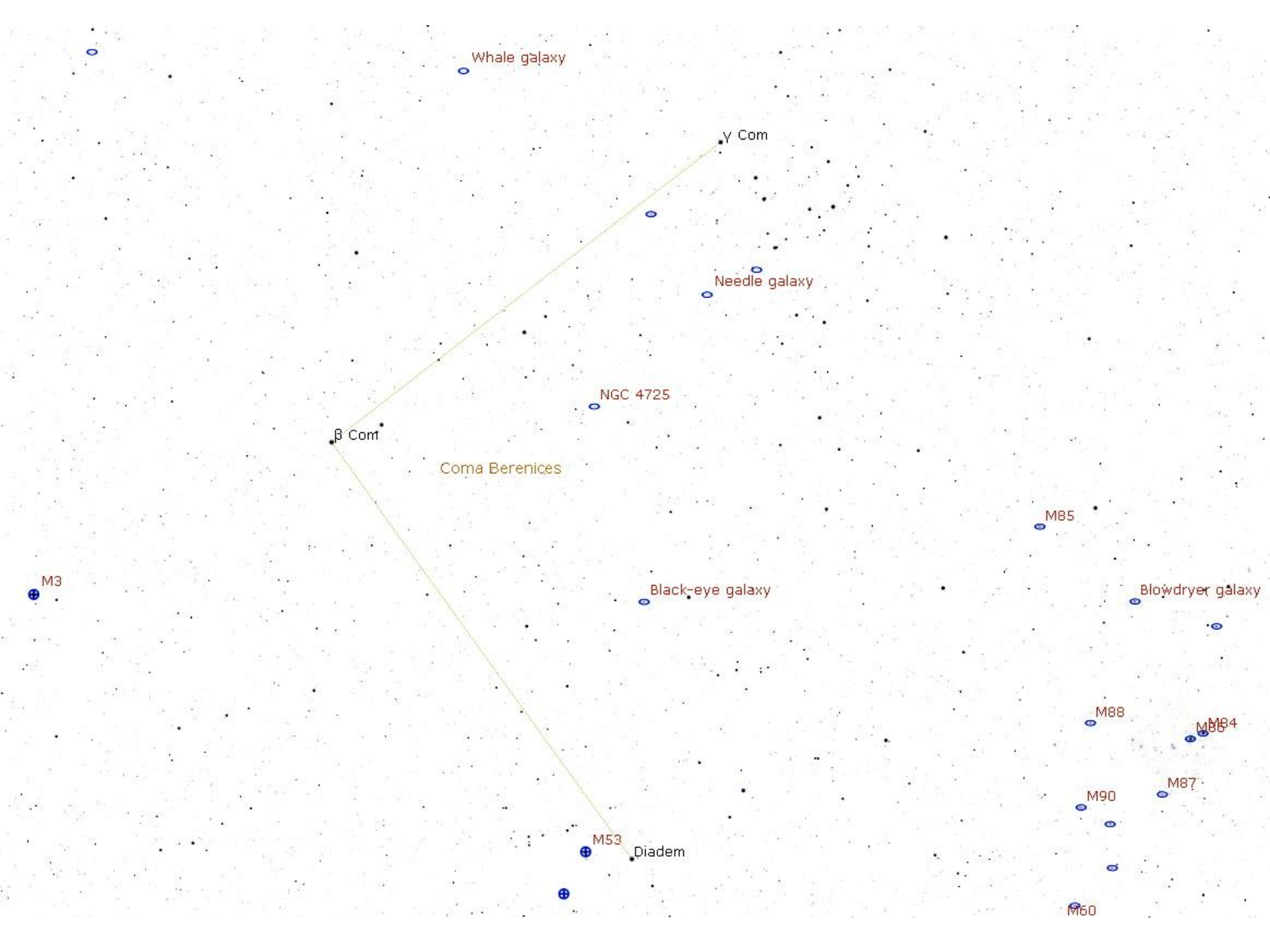
The Needle NGC 4565

M85

Black eye M64

M53

M3



NGC 4631



Canes Venatici

Cor Caroli

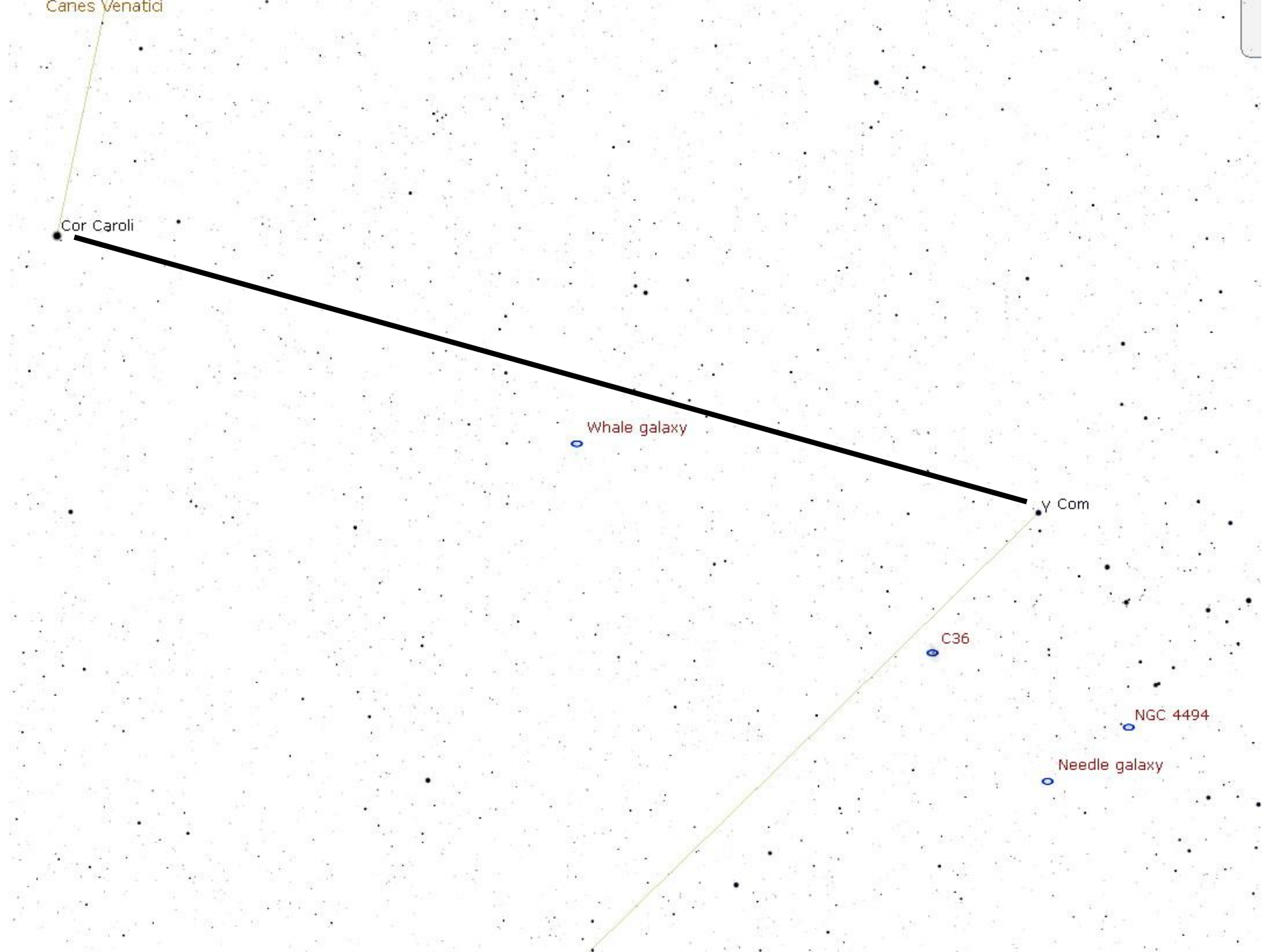
Whale galaxy

γ Com

C36

NGC 4494

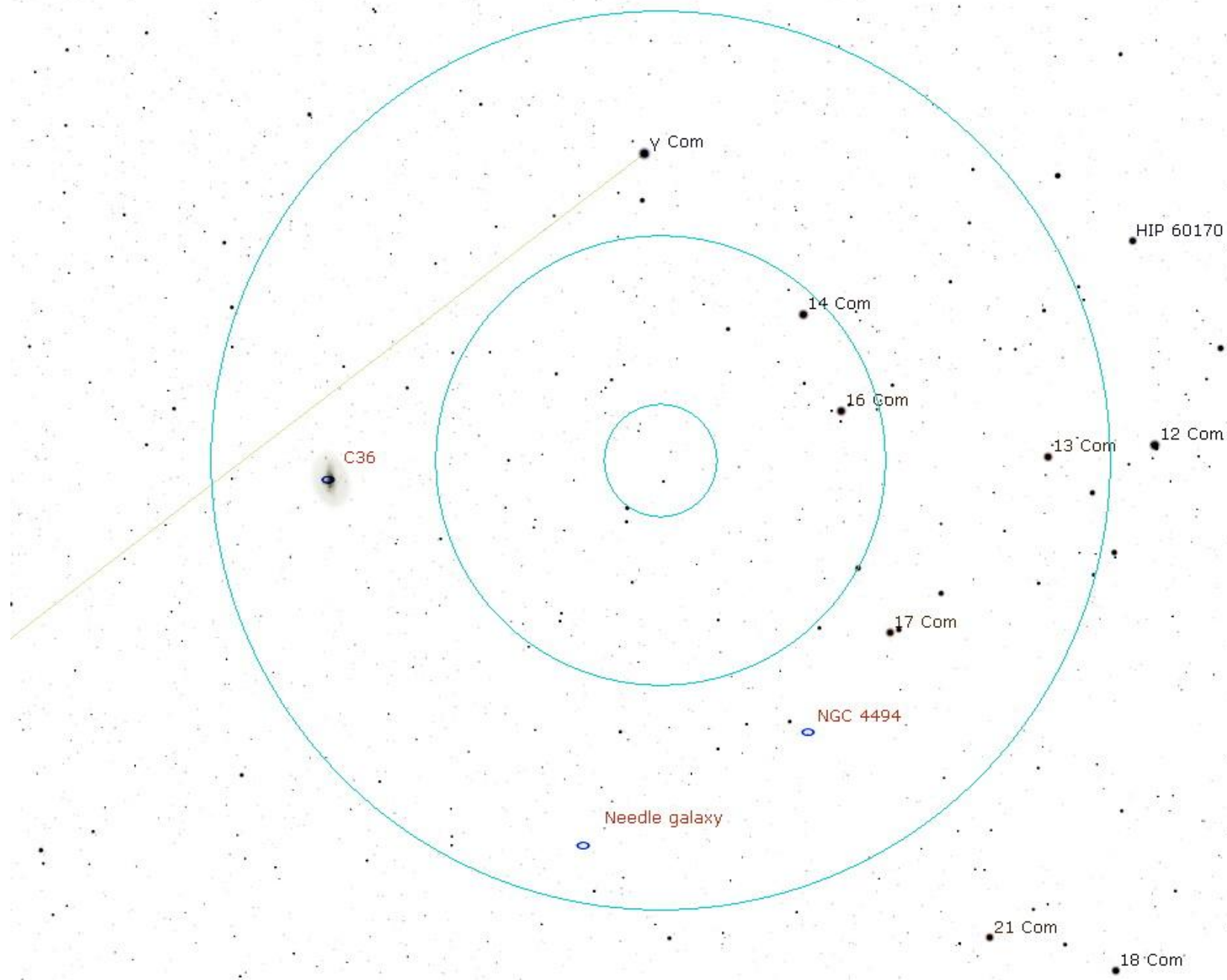
Needle galaxy



NGC 4565

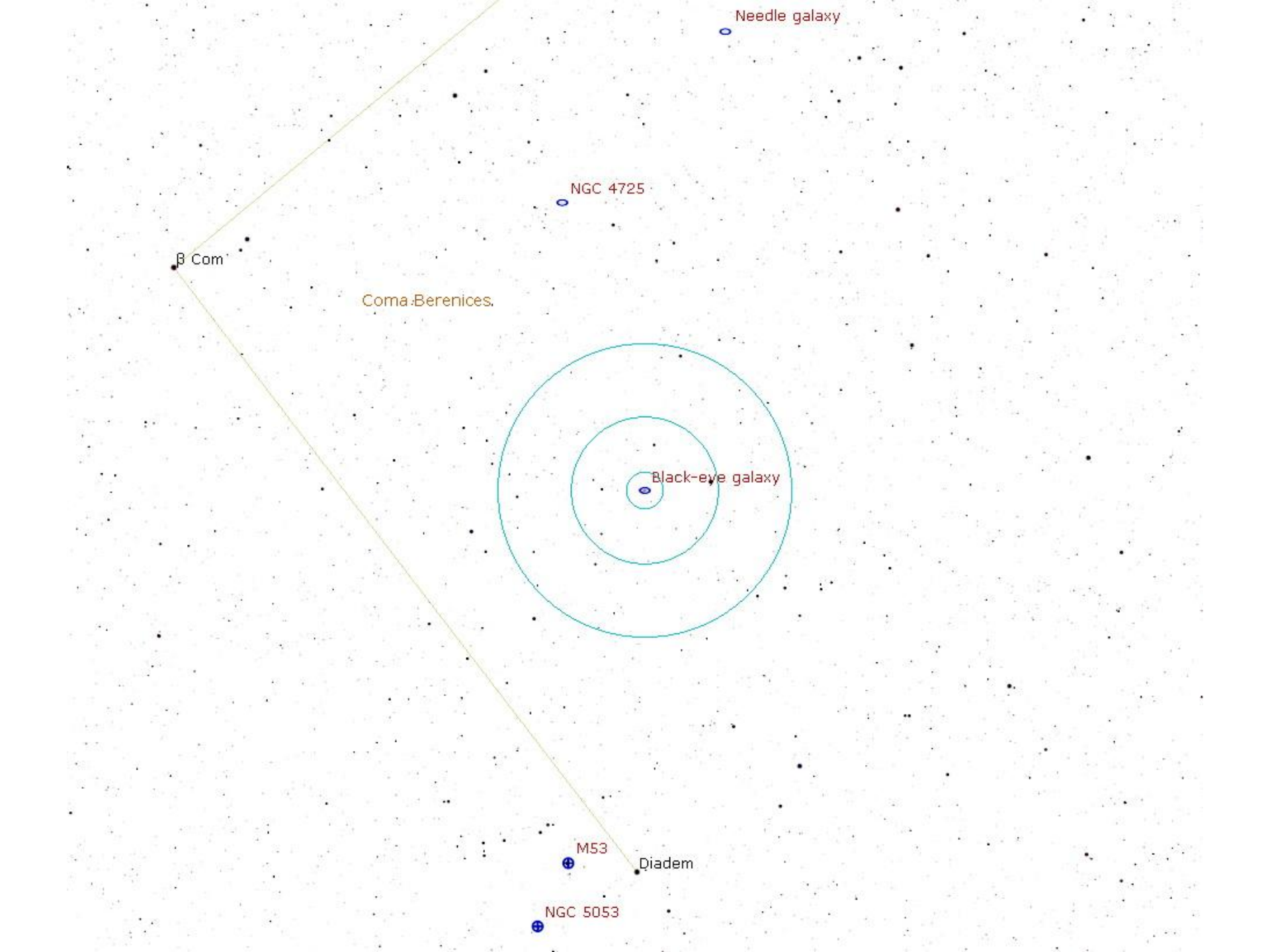


By Jsbulman555 (Own work) [CC BY 3.0
(<http://creativecommons.org/licenses/by/3.0>)]



Blackeye Galaxy M64 @109x





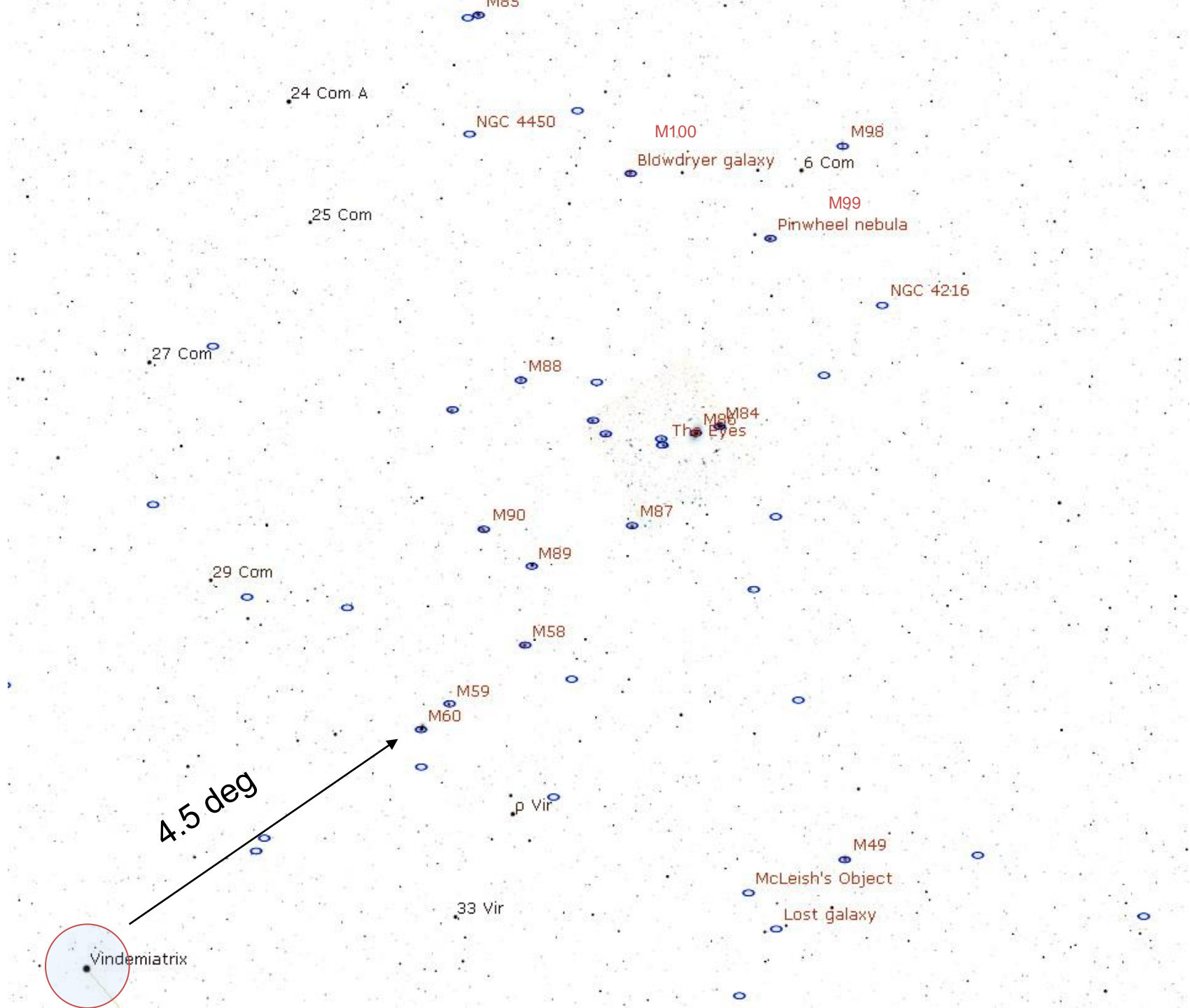
Virgo Cluster

Within the bowl lies countless galaxies
It is difficult to identify the targets
A good map or printout helps

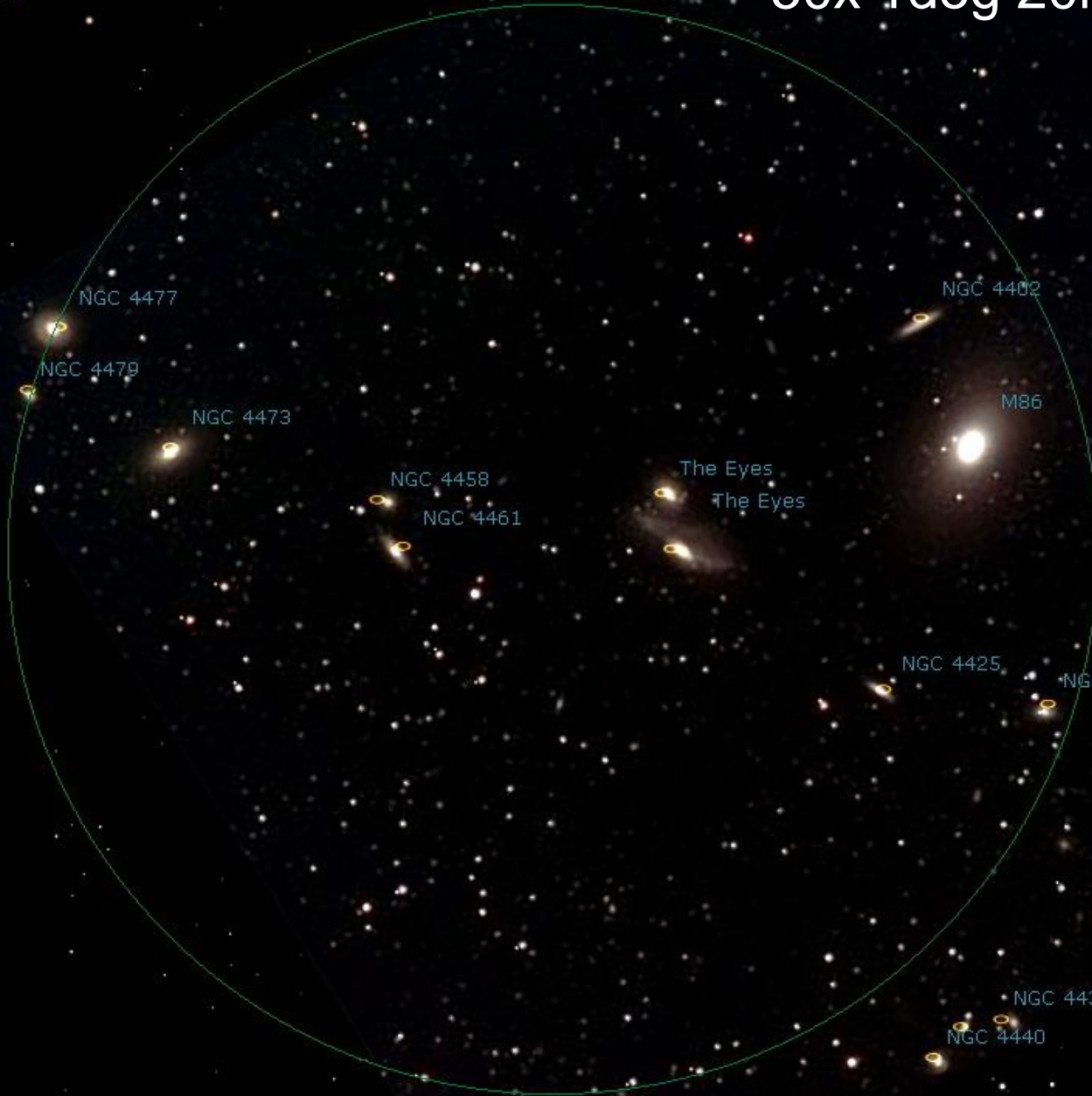
Messier galaxies in Virgo can be seen with 4" or greater scopes from a good dark site.

They are mostly elliptical galaxies seen as blobs.

Markarian's chain is a good place to linger.



50x 1deg 20min TFOV



NGC 4468 NGC 4459
NGC 4474

NGC 4477

NGC 4479

NGC 4473

NGC 4458

NGC 4461

The Eyes
The Eyes

NGC 4402

M86

M84

NGC 4387

NGC 4388

NGC 4425

NGC 4413

NGC 4431

NGC 4440

Part 2

Other Interesting Targets

20 March New Moon
Astro dark 8pm to 4am

85% Solar Eclipse
Starts 8.30am

Cassiopeia

Comet C2014 Q2 Lovejoy fading mag 6?

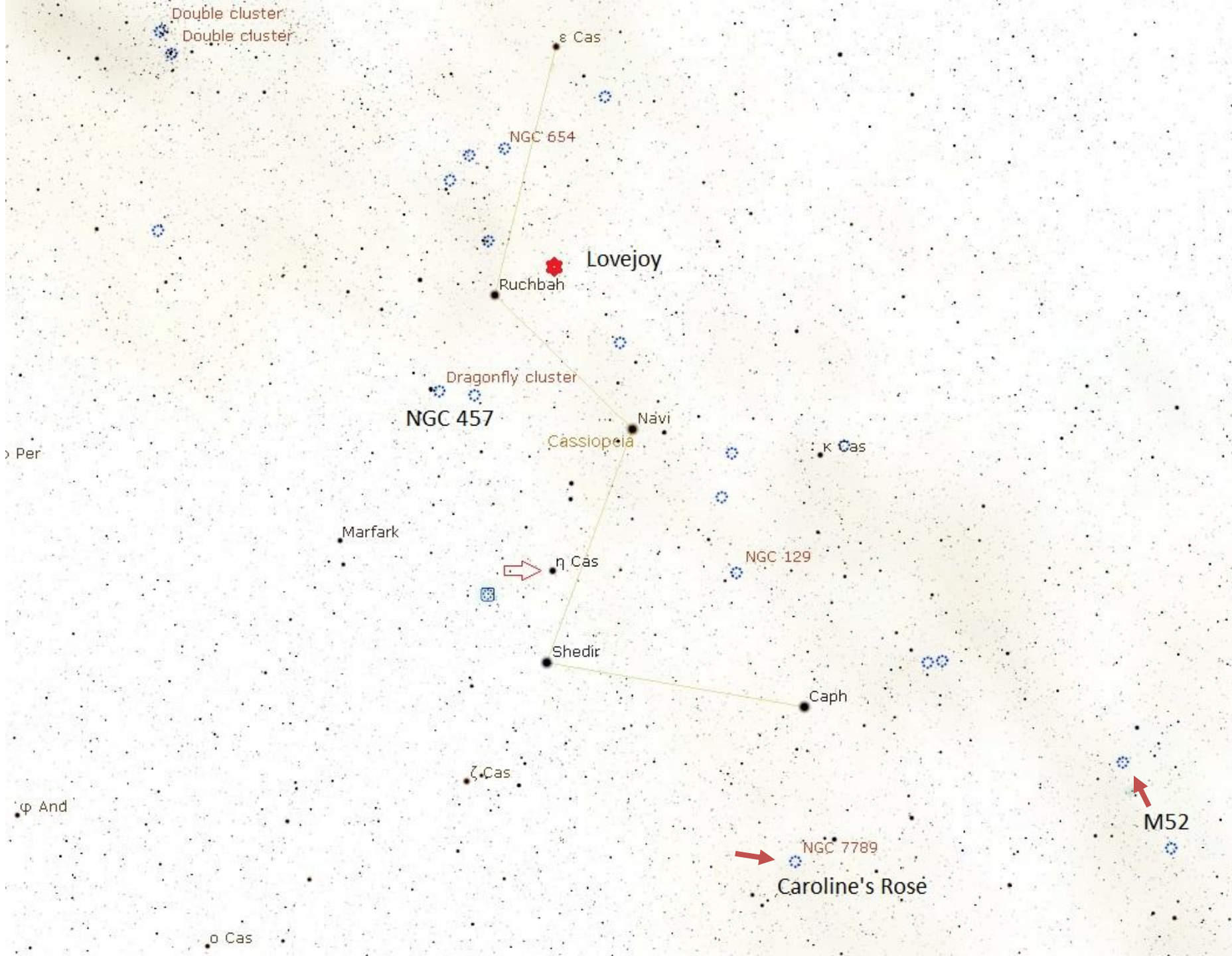
NGC 457

Double star

Eta Cas sep 13.3 mag 3.52 & 7.36

Open Cluster M52

Open Cluster NGC 7789



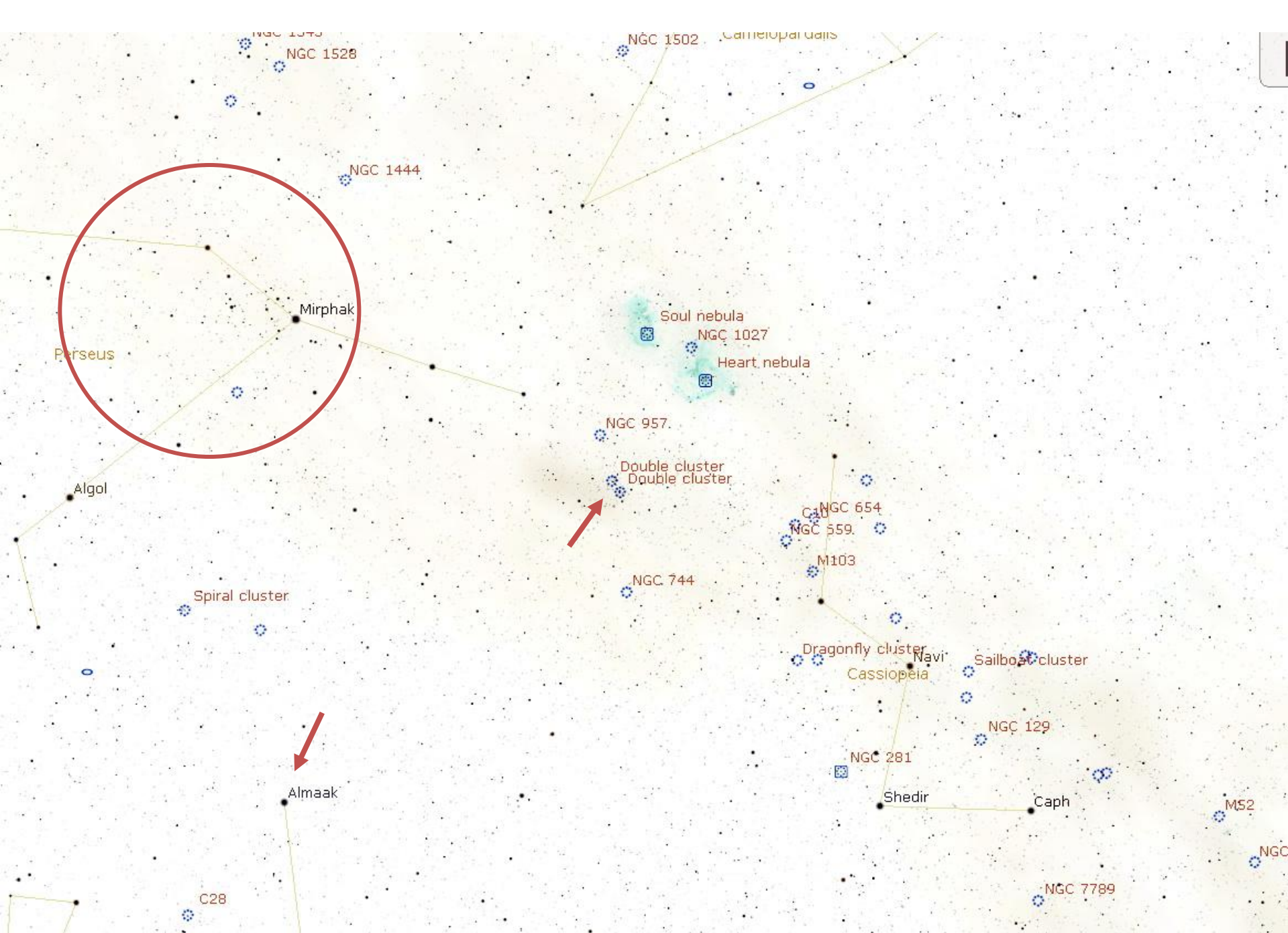
Moving toward Perseus

The Double Cluster

Melotte 20

Double star in And

Almach sep 9.40 mag 2.31 & 5.02



Moving toward Taurus & Orion

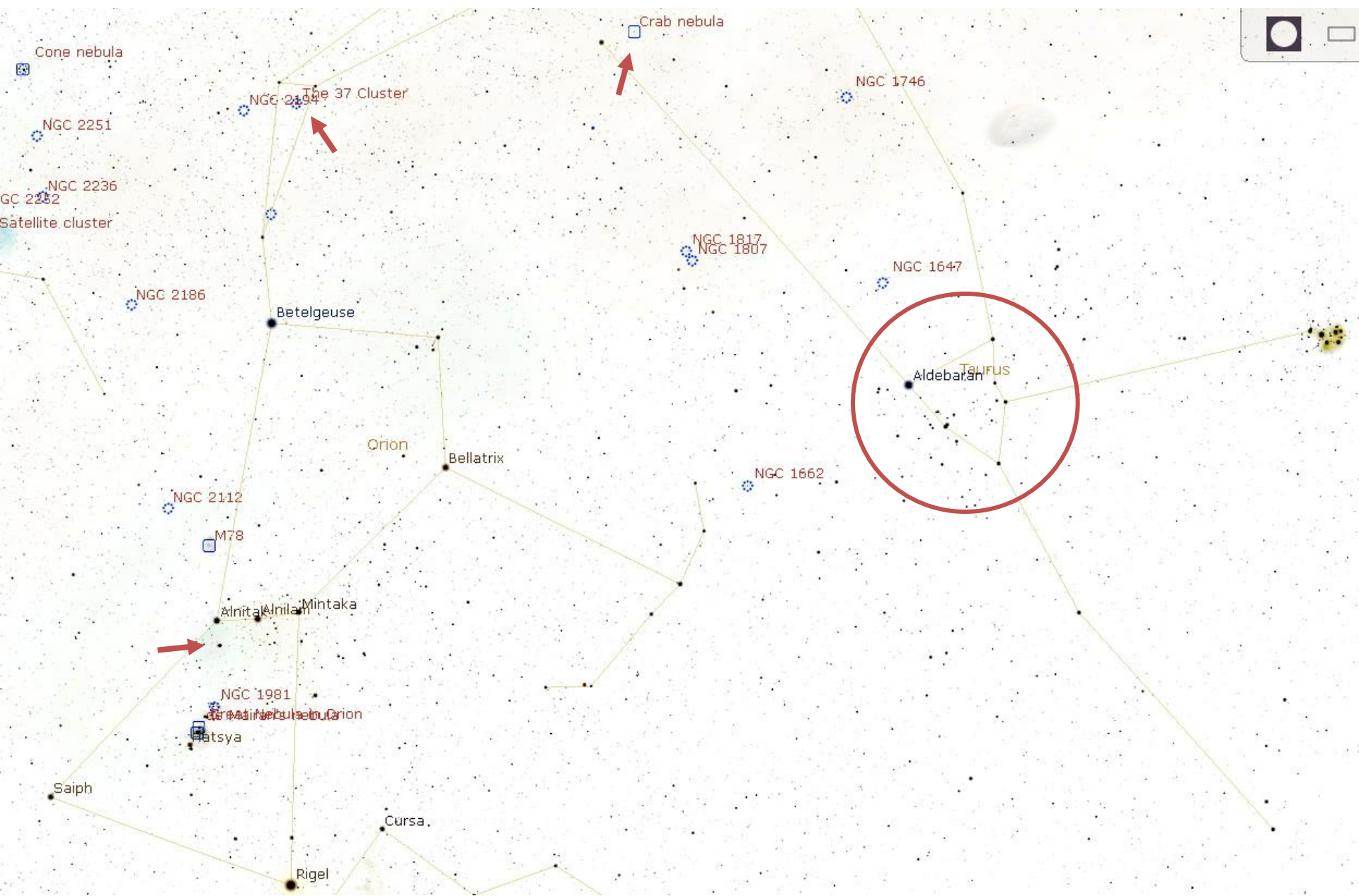
M45 & Hyades

M1

M42

Sigma Ori multiple star

NGC 2169 (IC 37)



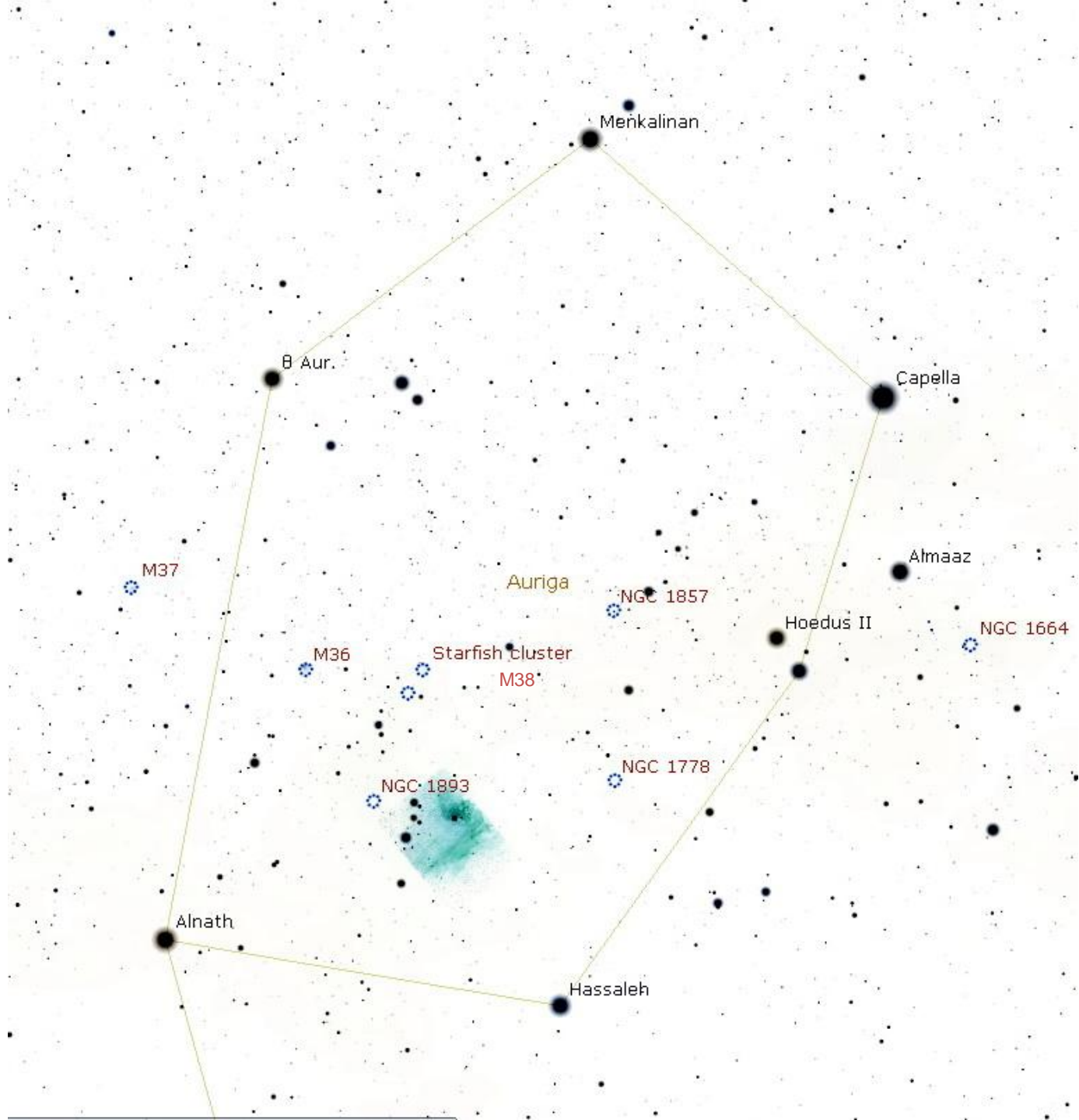




Great Nebula in Orion
de Majran's nebula

Next up Auriga

Open clusters M36,37 & 38





Gemini

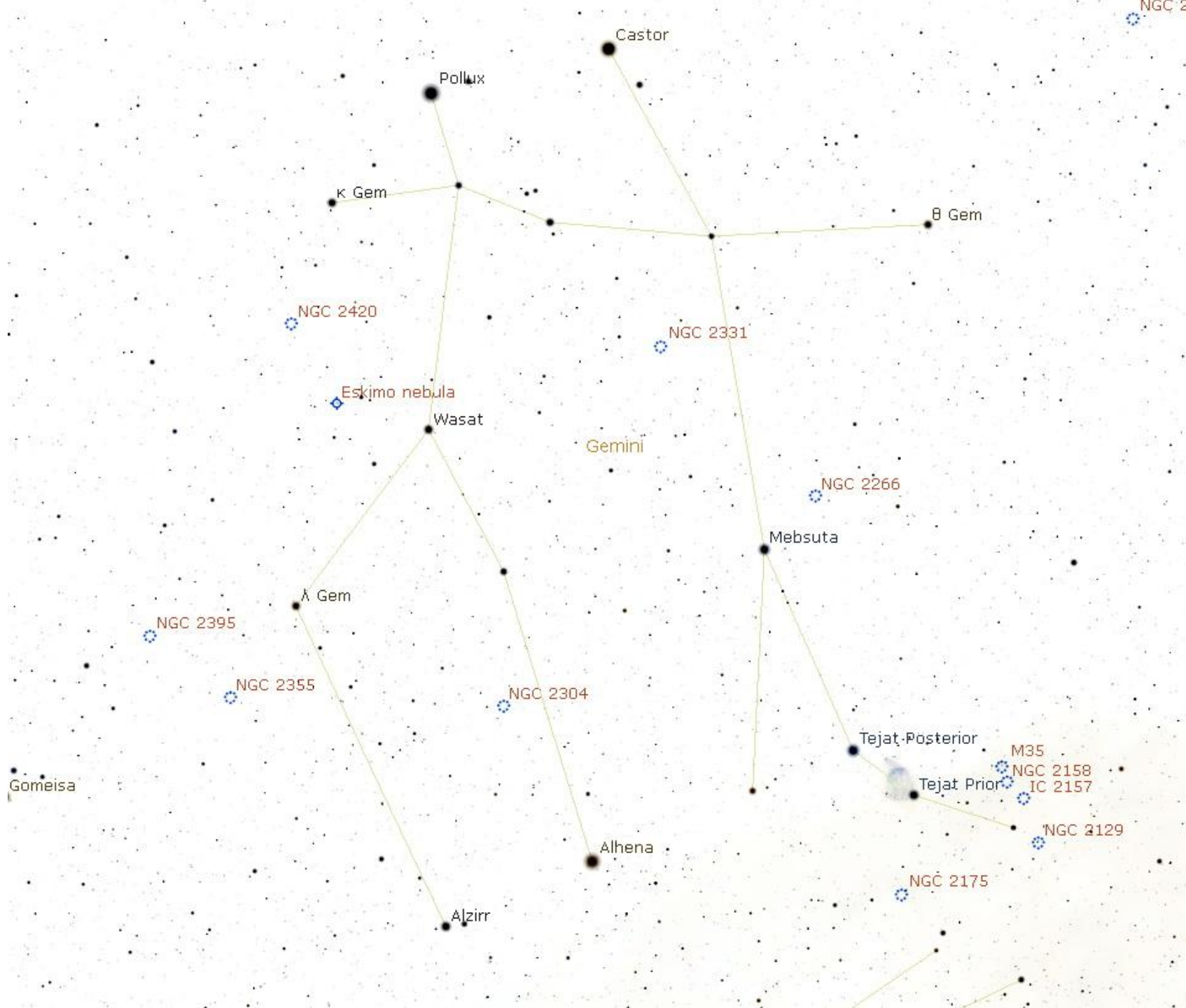
Eskimo Nebula NGC 2392

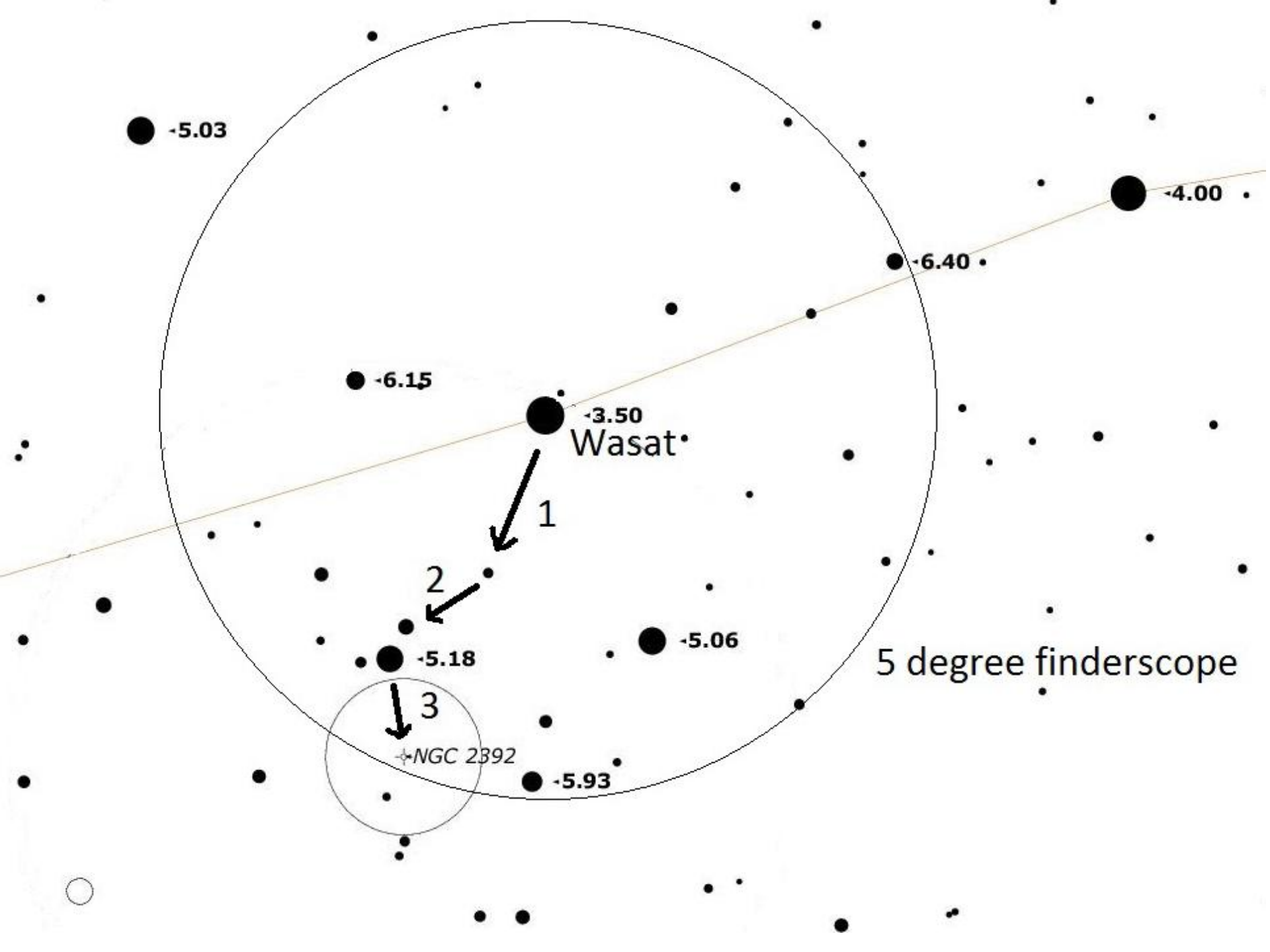
Double stars

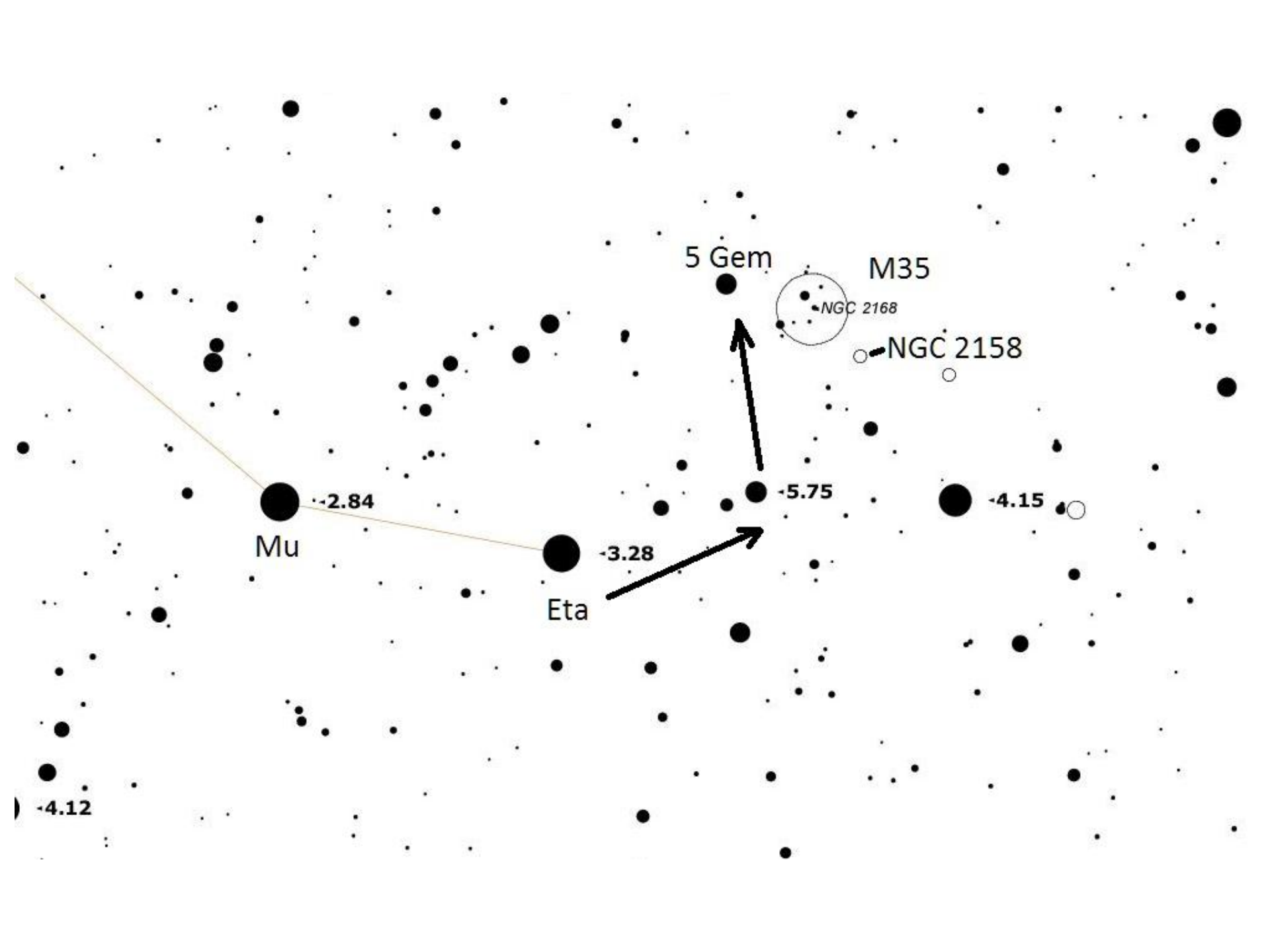
Castor sep 4.6 mag 1.93 & 2.97

Wasat sep 5.6 mag 3.55 & 8.18

M35 & NGC 2158







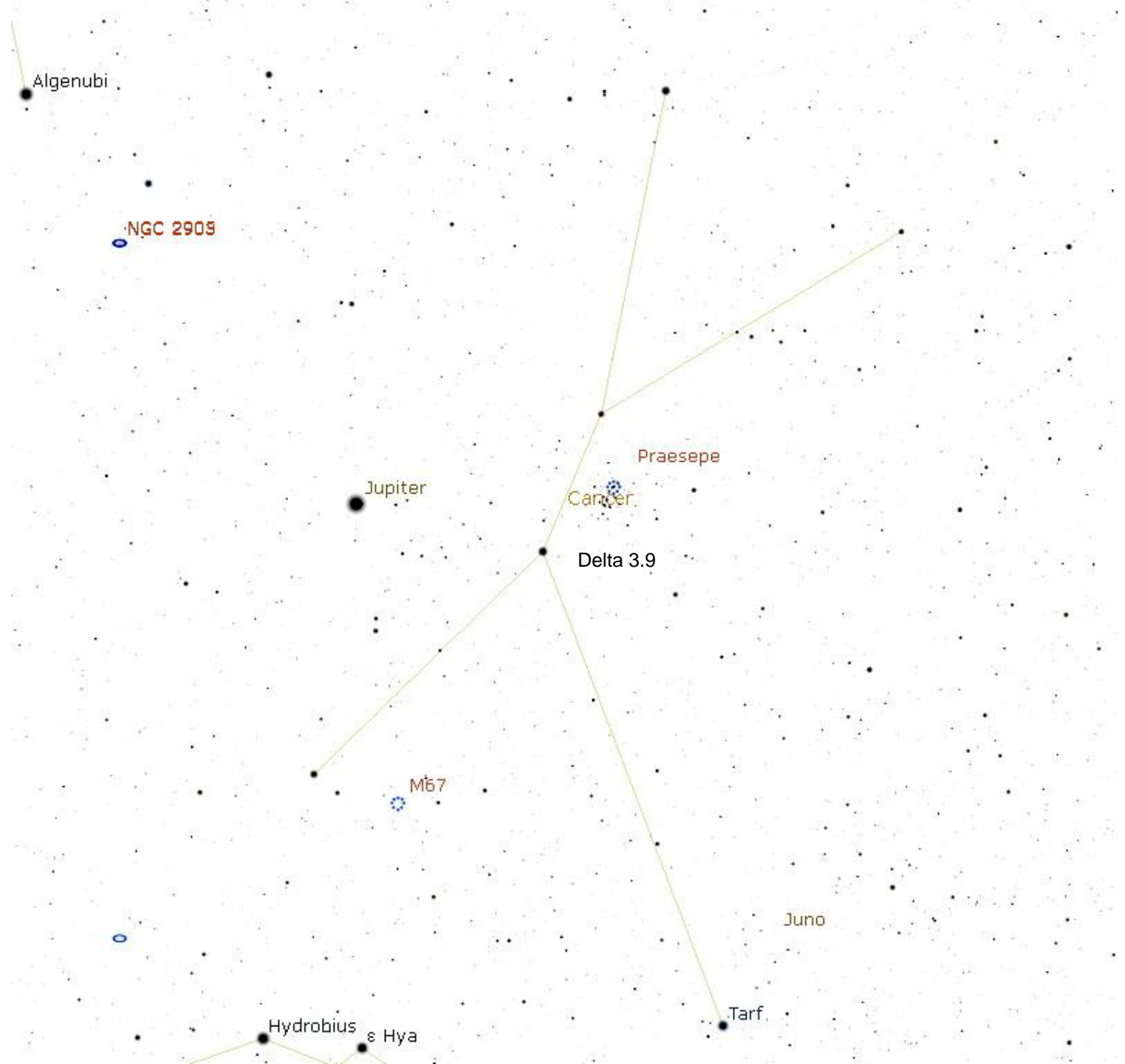
M35 & NGC 2158



Cancer

Large open cluster M44

Open cluster M67



Ursa Major & Canes Venatici

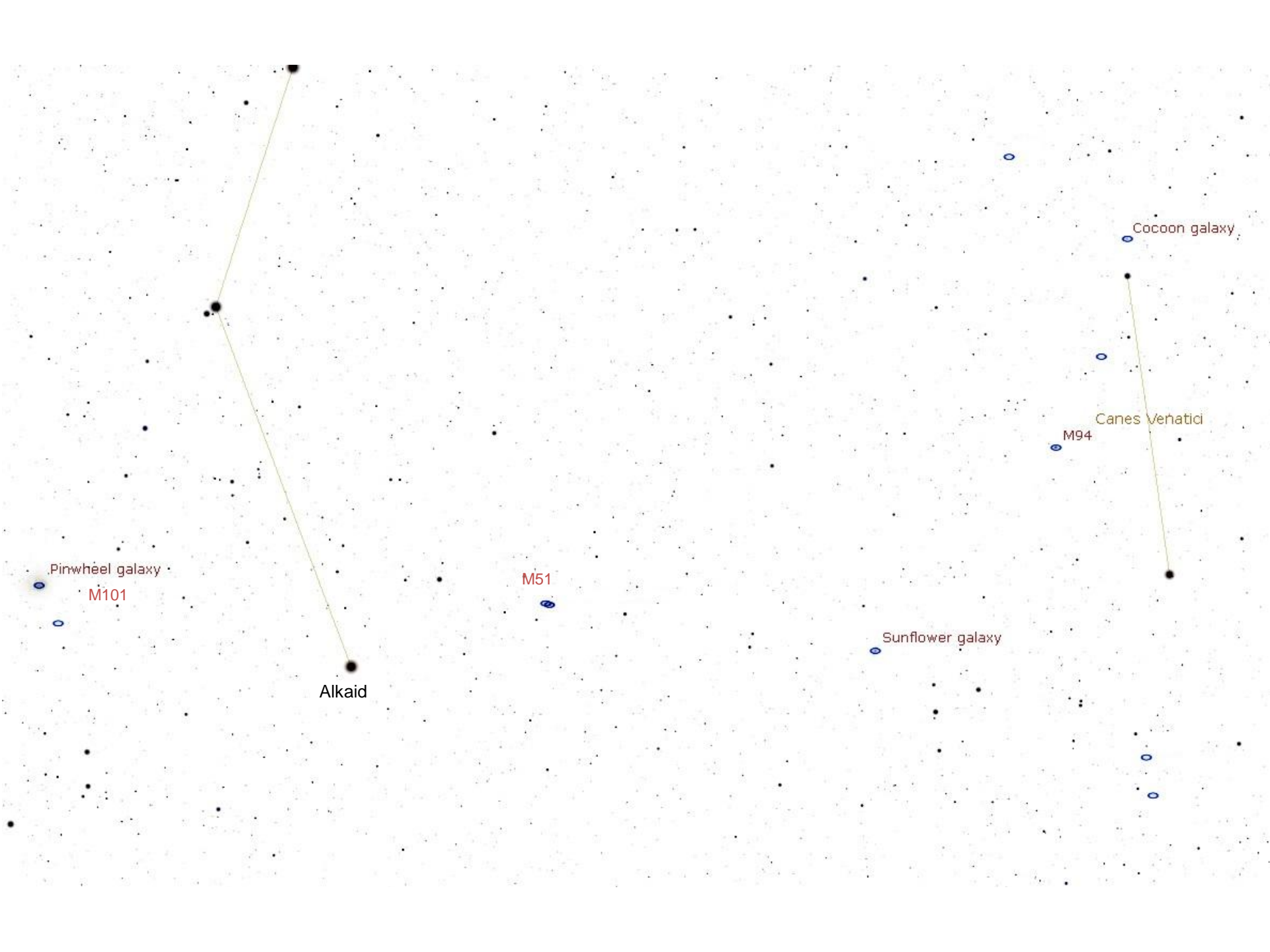
Pinwheel M101

Whirlpool M51

Sunflower M63

M94

Cocoon NGC 4490 & 4485



M101 @ 50x



M51 @ 109x



M63 @ 75x



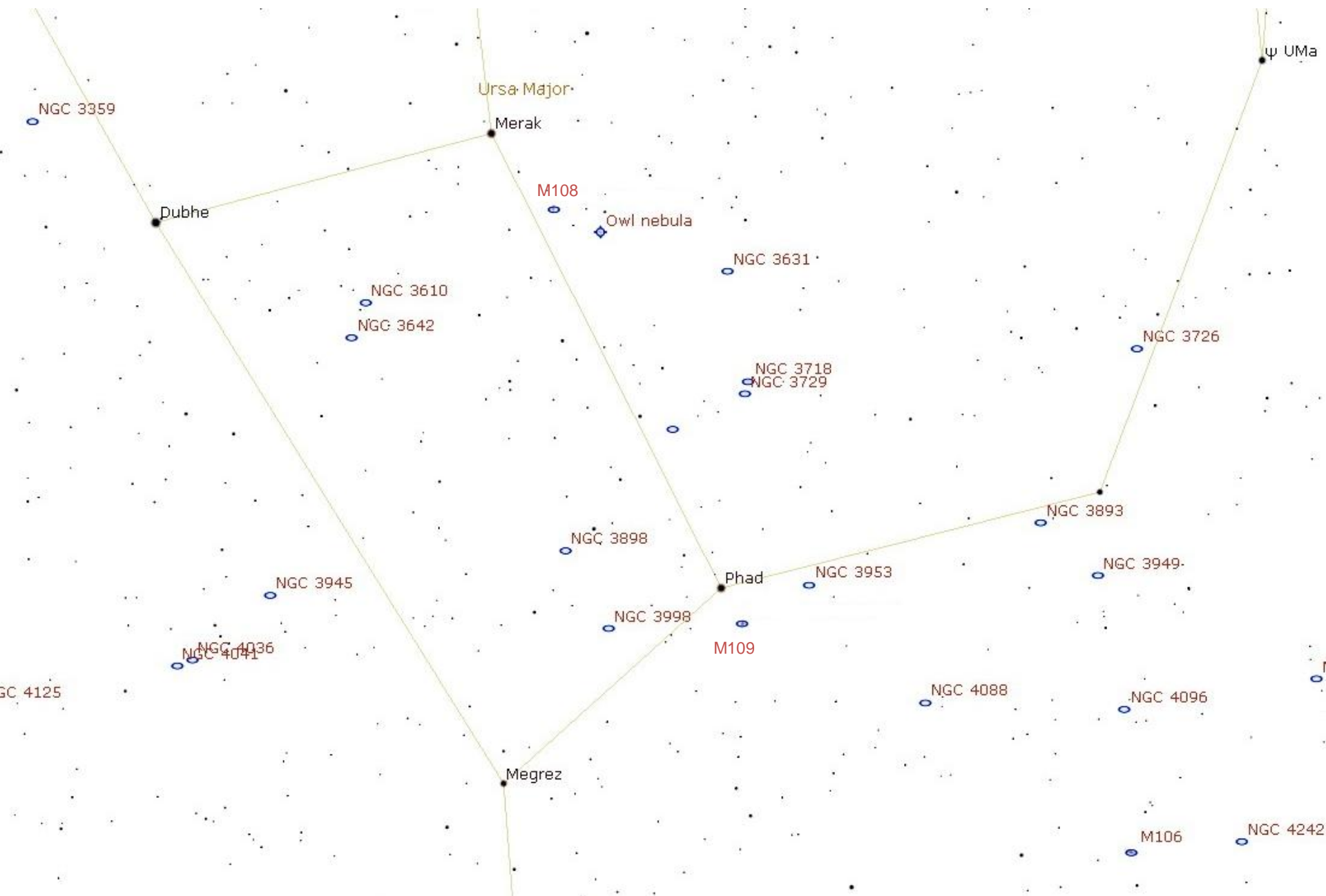
NGC 4490 & 4485



Higher in Ursa Major

M108 & M97

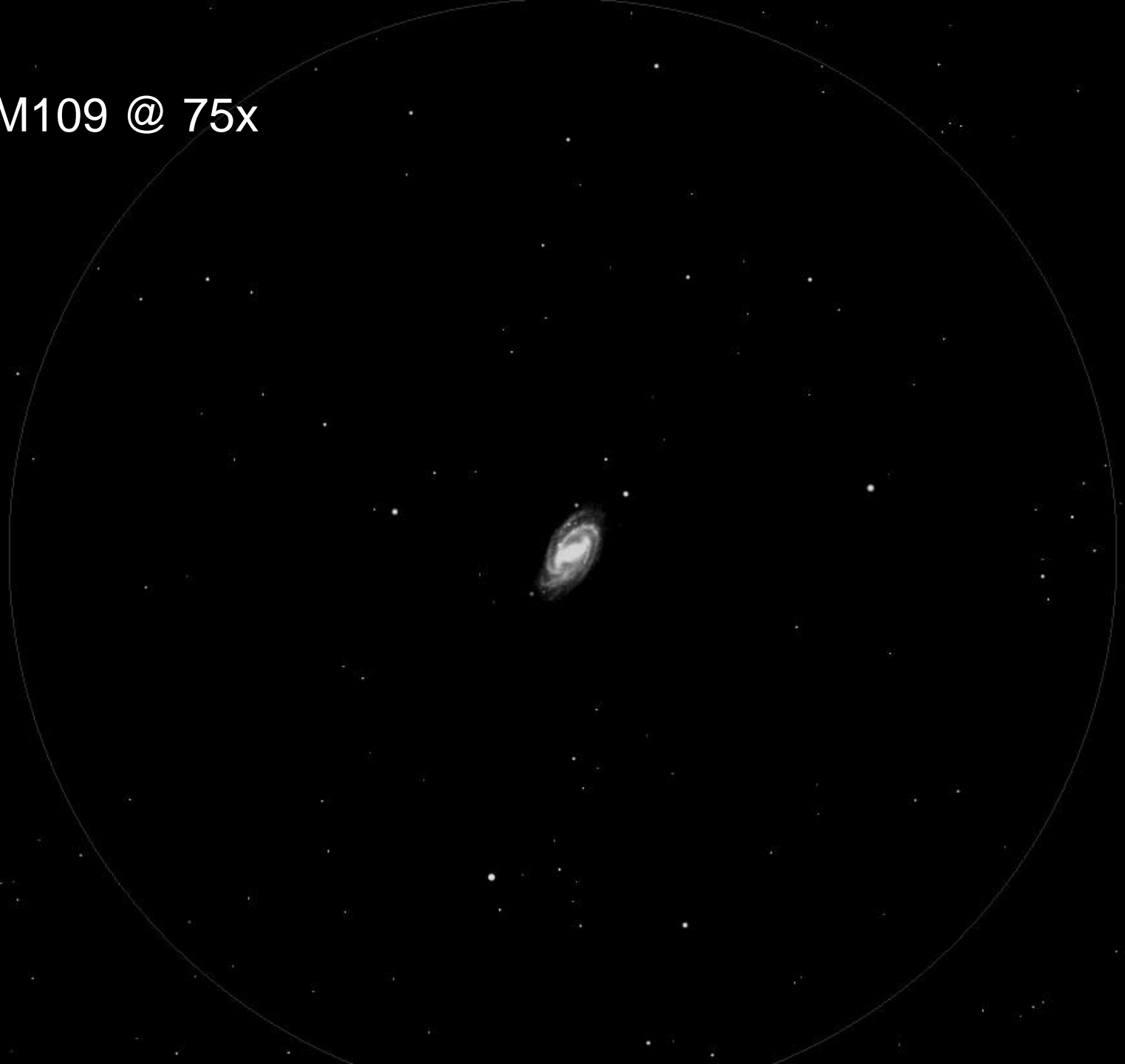
M109



M108 & M97 @ 75x



M109 @ 75x



Happy Hunting



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