

What's Up?

August 1-31, 2025

Made with the 2025 RASC Observer's Handbook, 2025
Night Sky Almanac, Sky Safari®, and Stellarium®

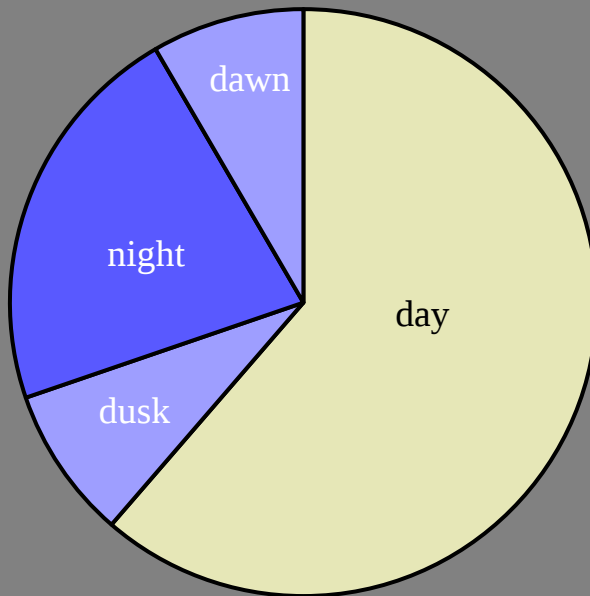
photo: David Hoskin

The Sun This Month

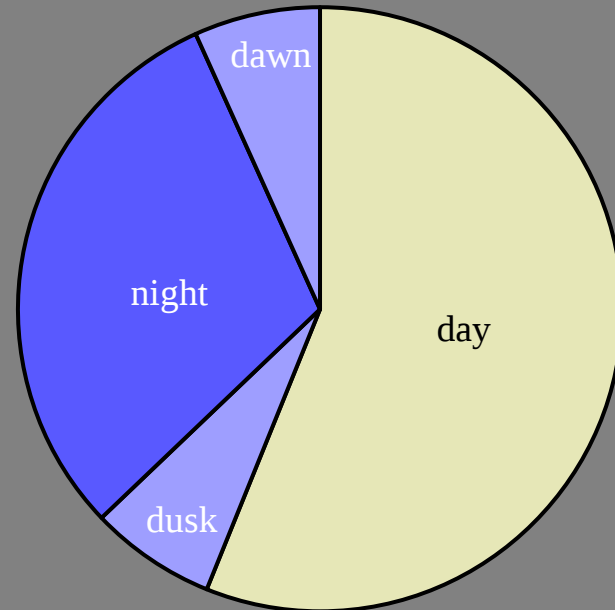
Today's Solar Activity

Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
August 1	8:39 p.m.	10:42 p.m.	5.2 h	3:57 a.m.	6:01 a.m.	1:20 p.m.	14.6 h	63.2°
August 31	7:52 p.m.	9:36 p.m.	7.2 h	4:50 a.m.	6:35 a.m.	1:14 p.m.	13.3 h	53.7°

Halifax August 1



Halifax August 31



[YouTube: RASC Halifax](#)

The Moon This Month

Date	Phase	English	Mi'kmaq
August 1	<i>First Quarter</i>	Berry Ripening	<u>Kisikewiku's</u>
August 1	Moon at apogee (404,200 km)		
August 3	Moon near Antares and M4		
August 9	<i>Full Moon</i>		
August 12	Perseid meteor shower peak		
August 13	Moon near Saturn		
August 14	Moon at perigee (369,300 km)		
August 16-17	Moon near the Pleiades		
August 19	<i>Last Quarter</i>		
August 20	Moon near Jupiter and Venus		
August 21	Moon near Mercury and M44		
August 23	<i>New Moon</i>	Mate Calling	<u>Wikumkewiku's</u>
August 26	Moon near Mars		
August 29	Moon at apogee (404,600 km)		
August 30-31	Moon near Antares		
August 31	<i>First Quarter</i>		

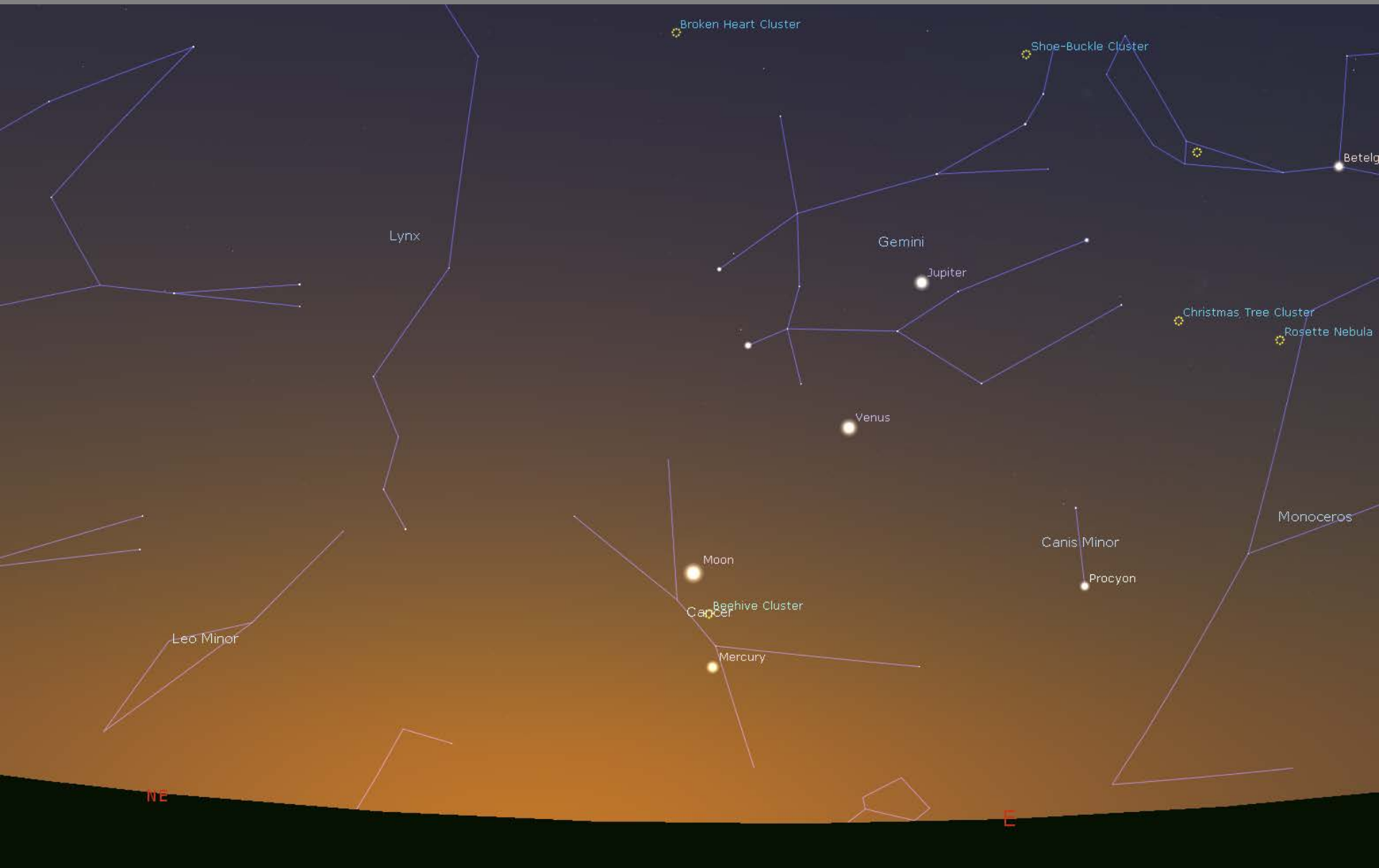
View with 15x70 binoculars on 4 August at 10:30 p.m.

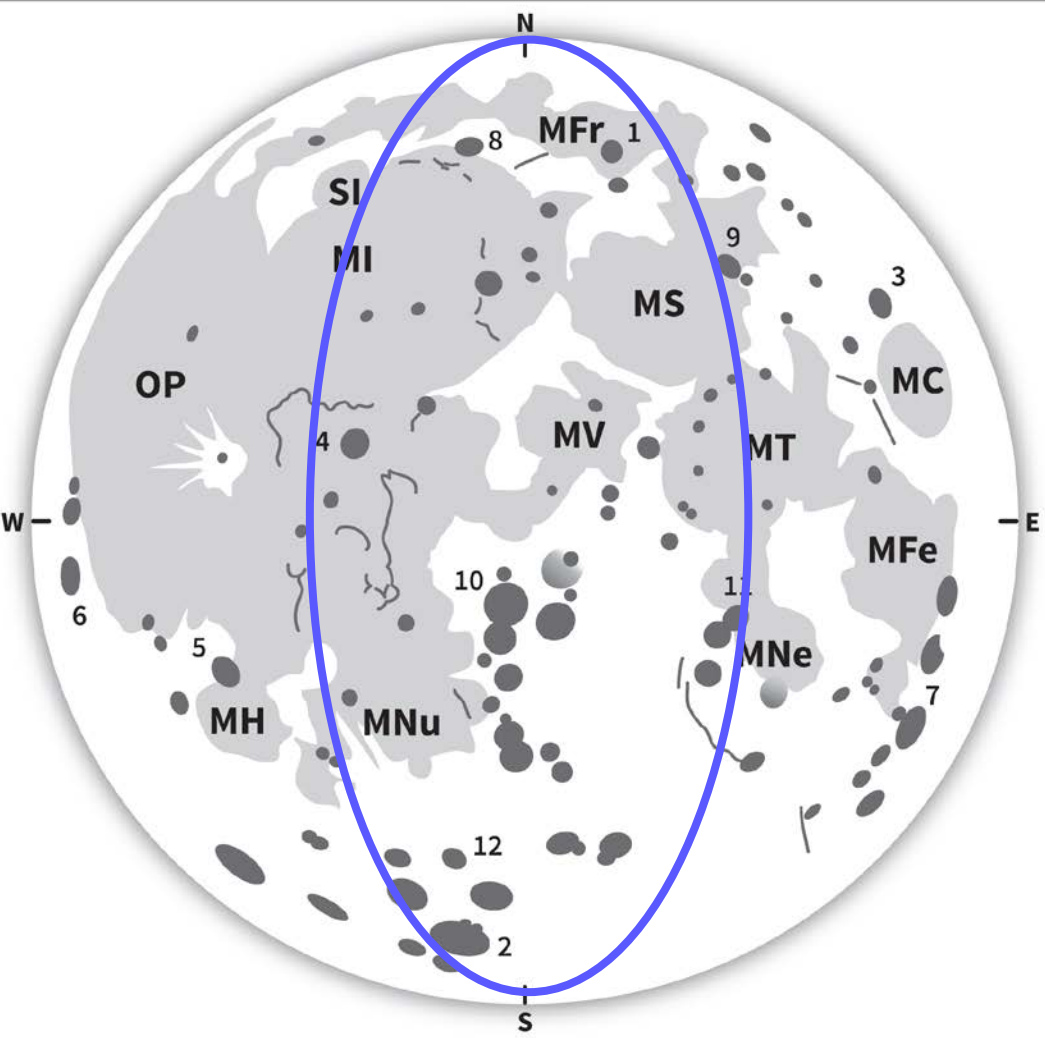


Nice wide-field photo-opportunity on August 20 at 4:30 a.m.



Nice wide-field photo-opportunity on August 21 at 5:45 a.m.





MARE

MC: Mare Crisium

MFe: Mare Fecunditatis

MFr: Mare Frigoris

MH: Mare Humorum

SI: Sinus Iridum

MI: Mare Imbrium

MNe: Mare Nectaris

MNu: Mare Nubium

MS: Mare Serenitatis

MT: Mare Tranquillitatis

MV: Mare Vaporum

OP: Oceanus Procellarum

July 30-August 3

August 29-September 2

The Moon in

Explore the Universe

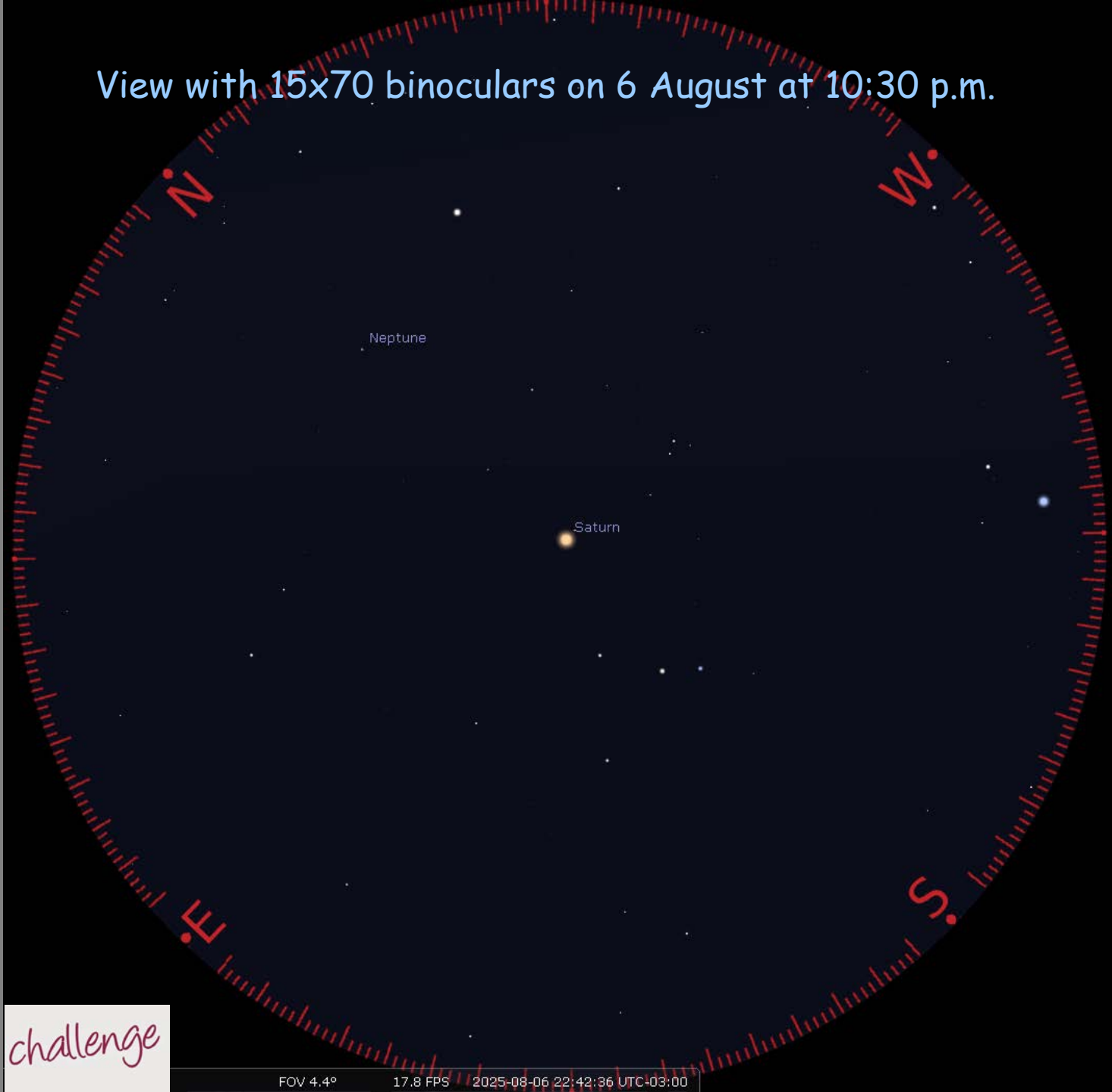
observe 3 of each in binos

7

CRATERS

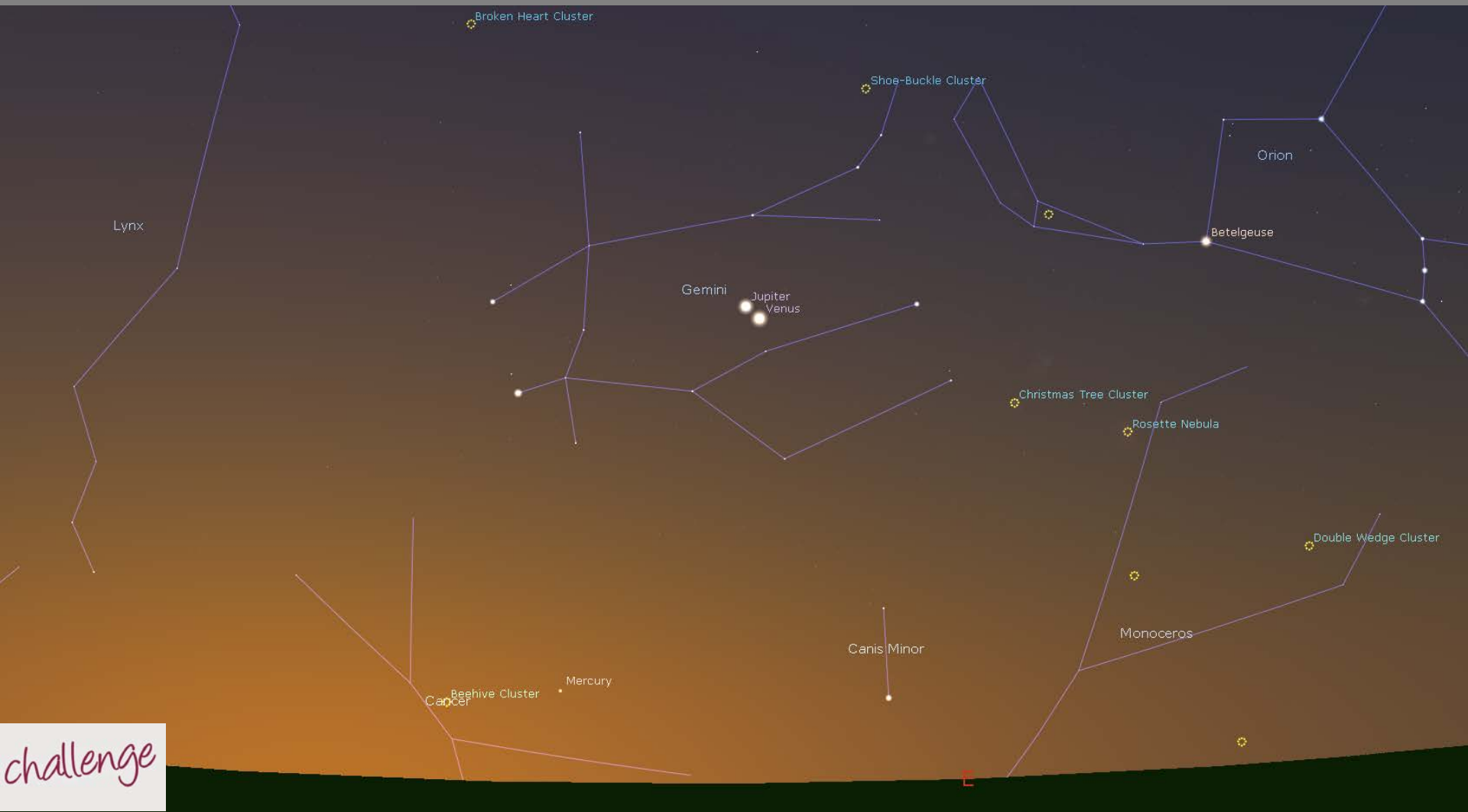
1. Aristoteles	5. Gassendi	10. Ptolomaeus
2. Clavius	6. Grimaldi	11. Theophilus
3. Cleomedes	7. Petavius	12. Tycho
4. Copernicus	8. Plato	
	9. Posidonius	

View with 15x70 binoculars on 6 August at 10:30 p.m.

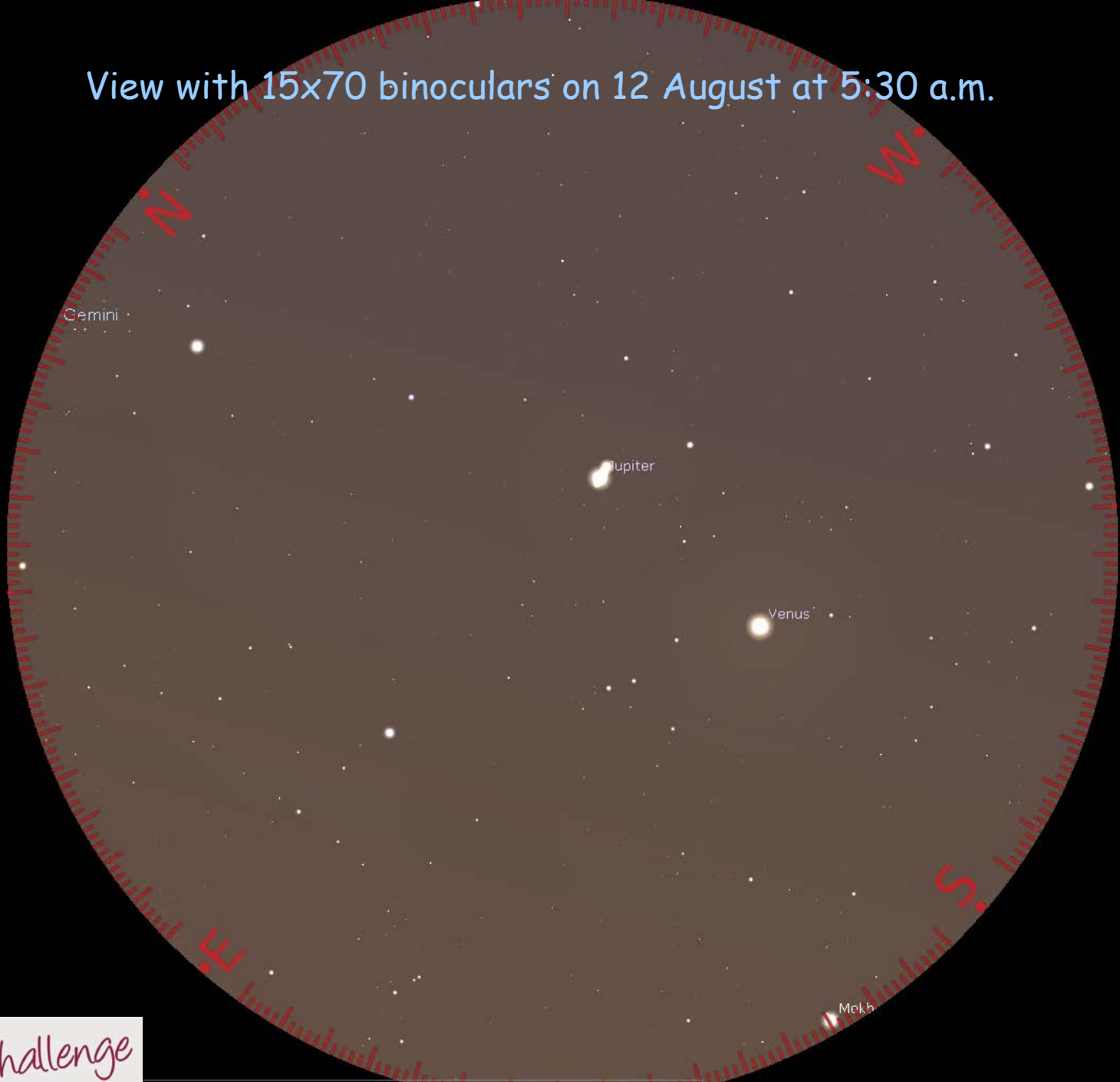


challenge

Close Jupiter-Venus conjunction on 12 August at 5:30 a.m.



View with 15x70 binoculars on 12 August at 5:30 a.m.



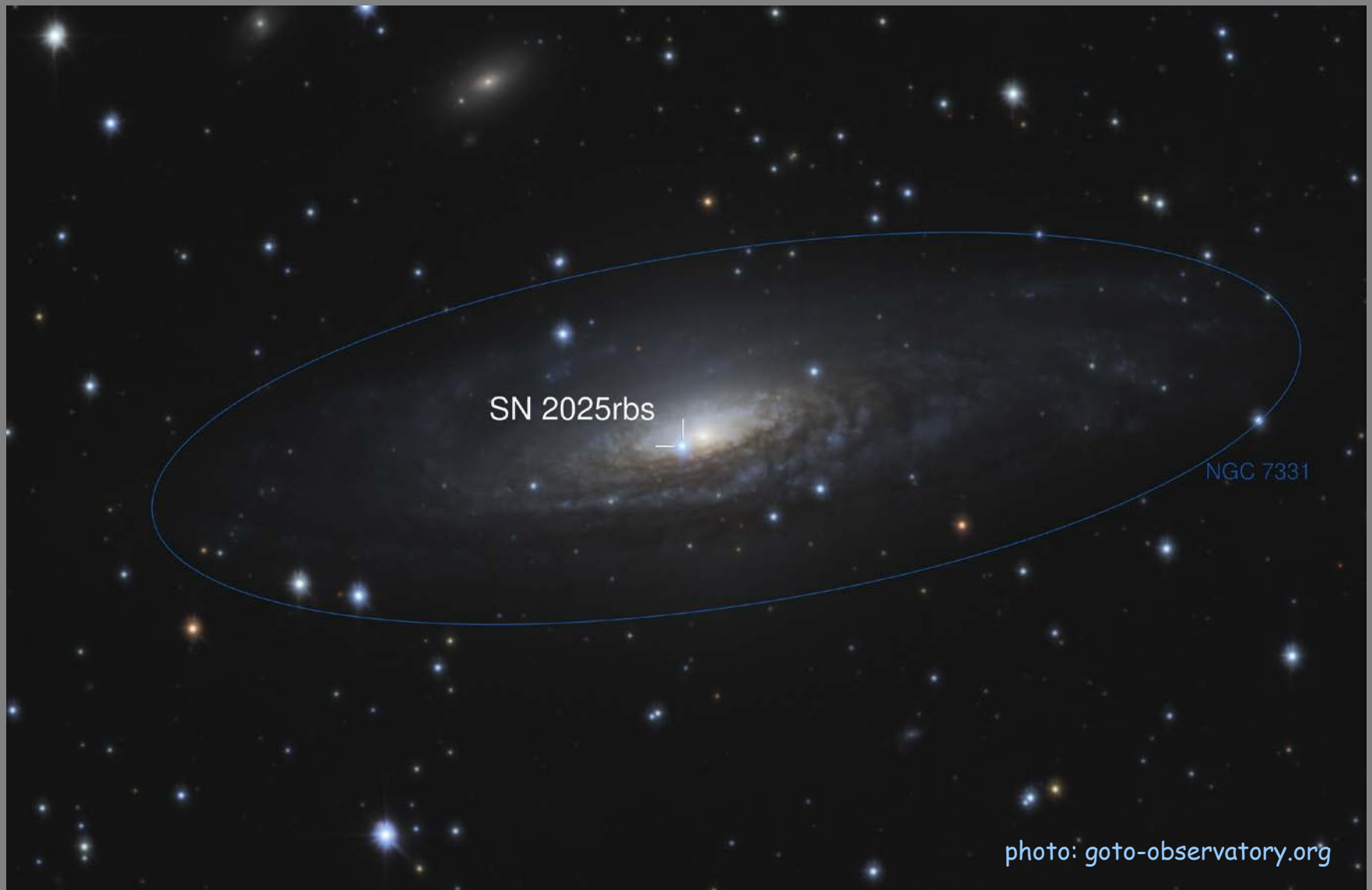
challenge

FOV 4.4°

17.9 FPS

2025-08-12 05:33:36 UTC-03:00

Supernova in Pegasus



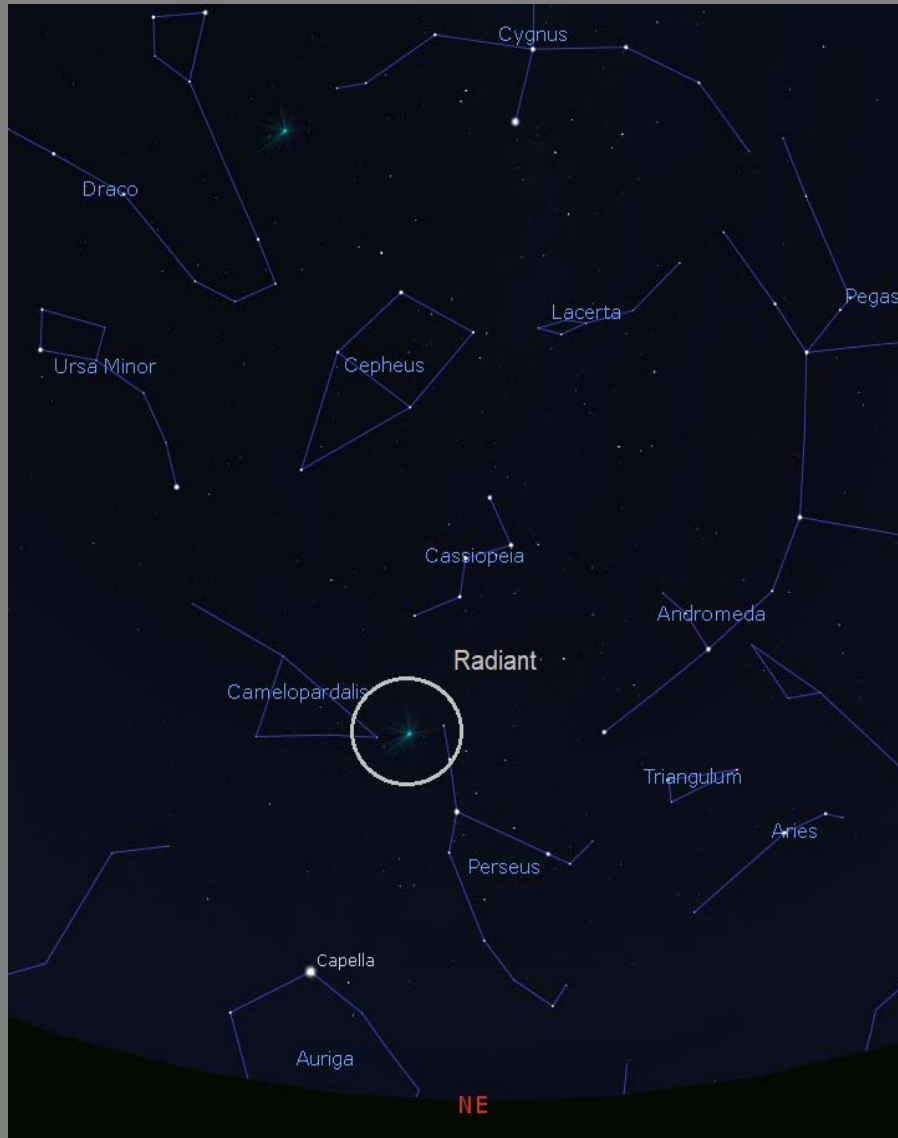
The type 1A supernova in NGC 7331 was discovered on 14 July 2025

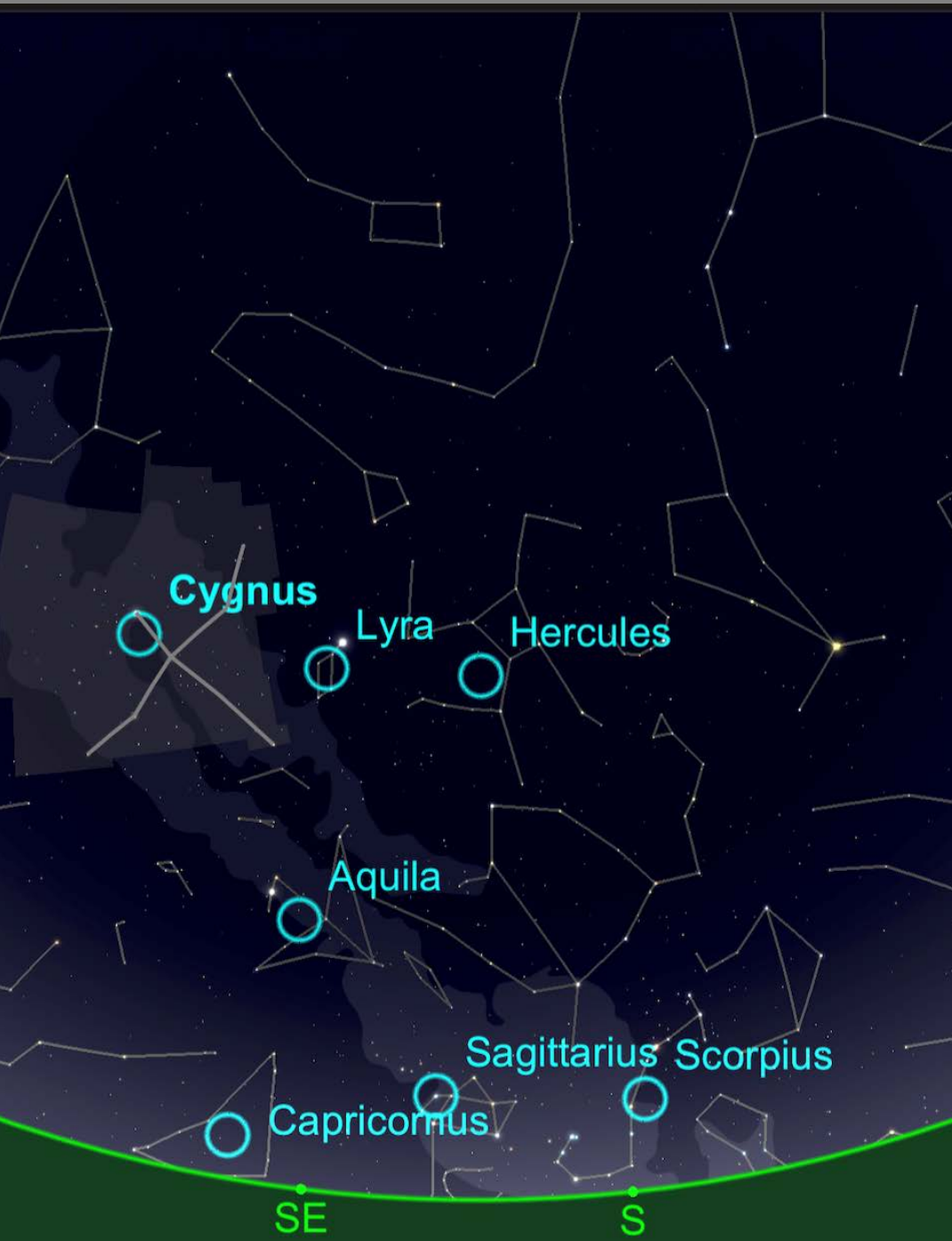
Perseid Meteor Shower

Peaks August 12

Up to 120 meteors per hour

Light from the waning gibbous
Moon in Pisces will obscure fainter
meteors





Explore the Universe: Summer Constellations





Explore the Universe:

Summer Stars

Ranking:

#5 Vega (N)

#12 Altair (N)

#15 Antares (N)

#20 Deneb (N)

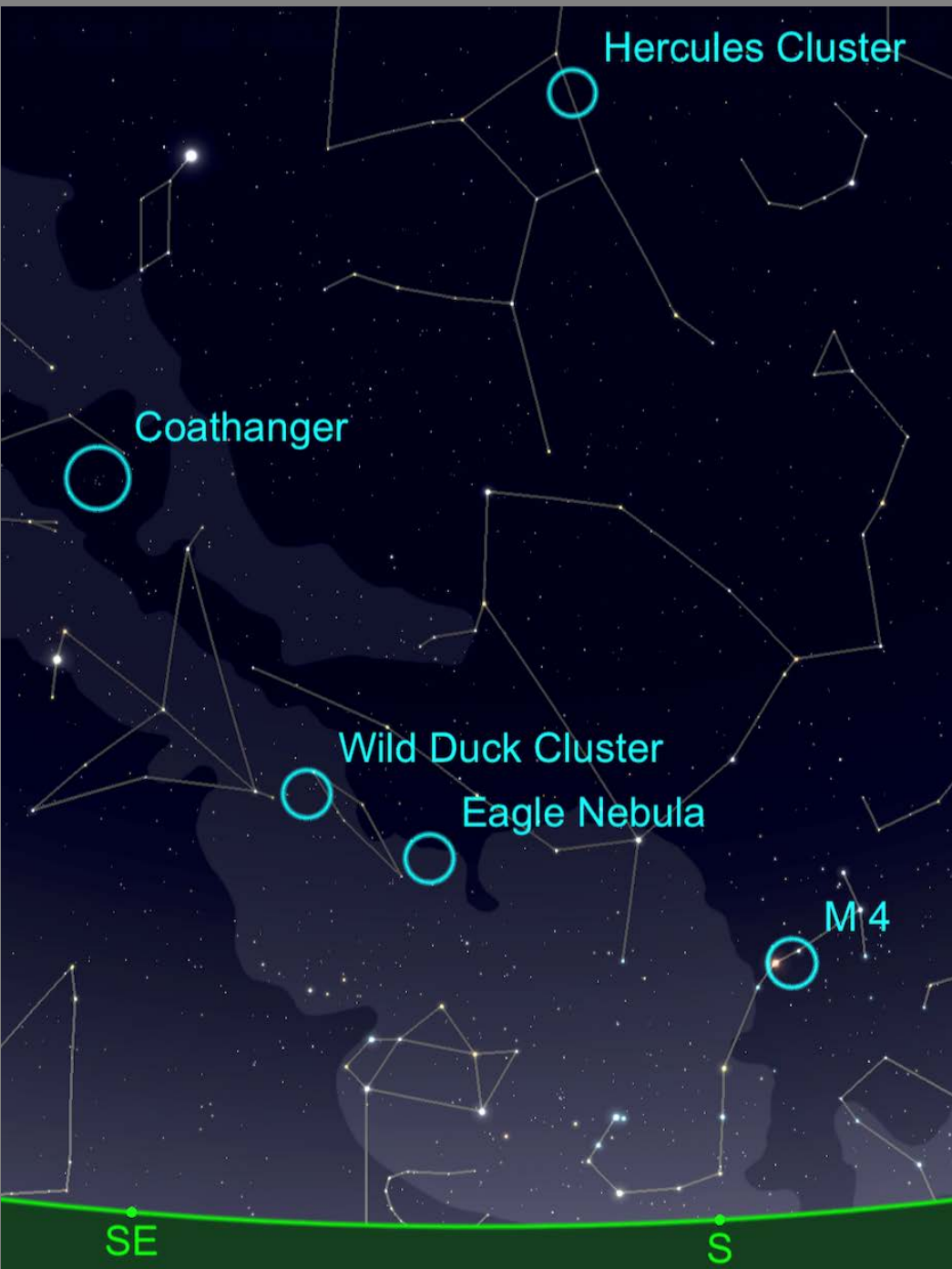
- Rasalgethi (A)

- Algedi

- Dabih

-Nunki (N)

- Albireo



Explore the Universe:

Summer Deep-Sky

The Wild Duck Cluster

(Messier 11)

Densely populated open
star cluster 6,200 LY away
in the constellation of
Scutum



photo: David Hoskin

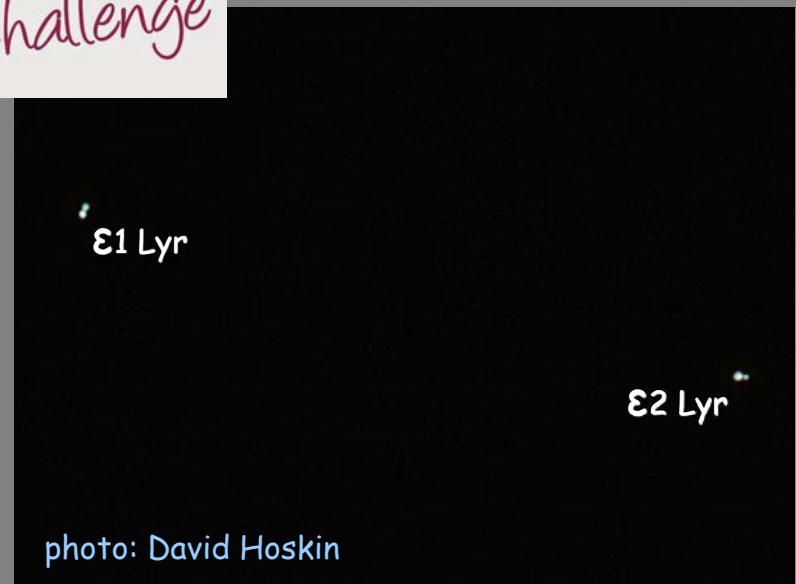


Explore the Universe: Summer Double Stars

ϵ^1 Lyr and ϵ^2 Lyr
"Double Double"

Each is also a double star
Split with a telescope

challenge



Questions?

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photo: David Hoskin