



What's Up?

July 1-31, 2026

Made with the 2026 RASC Observer's Handbook, 2026
Night Sky Almanac, Sky Safari®, and Stellarium®

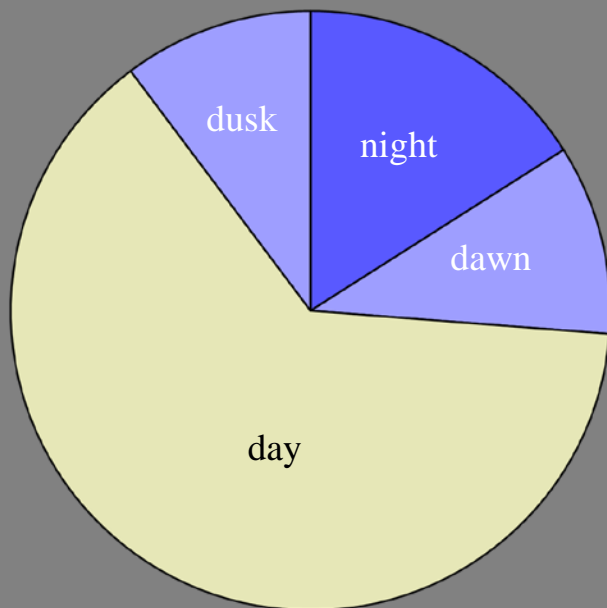
photo: David Hoskin

The Sun This Month

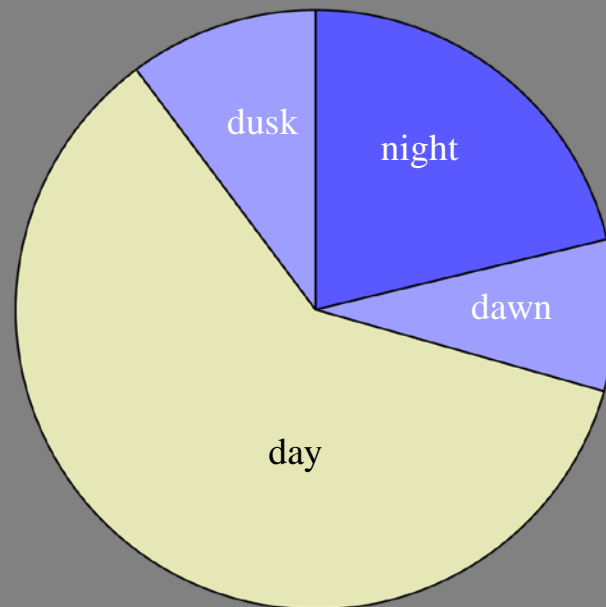
[Today's Solar Activity](#)

Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
July 1	9:03 p.m.	11:30 p.m.	3.9 h	3:04 a.m.	5:32 a.m.	1:18 p.m.	15.5 h	68.4°
July 31	8:41 p.m.	10:45 p.m.	5.2 h	3:55 a.m.	5:59 a.m.	1:20 p.m.	14.8 h	63.5°

Halifax July 1



Halifax July 31



[YouTube: RASC Halifax](#)

Noctilucent Clouds

Sunlight below the horizon reflects off tiny ice crystals at 76-85 km



photo: David Hoskin

Visible in summer months during astronomical twilight (50-70° latitude)

JULY 2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		 1 WANING GIBBOUS	 2 WANING GIBBOUS	 3 WANING GIBBOUS	 4 WANING GIBBOUS	 5 WANING GIBBOUS
 6 WANING GIBBOUS	 7 THIRD QUARTER	 8 WANING CRESCENT	 9 WANING CRESCENT	 10 WANING CRESCENT	 11 WANING CRESCENT	 12 WANING CRESCENT
 13 WANING CRESCENT	 14 NEW MOON	 15 WAXING CRESCENT	 16 WAXING CRESCENT	 17 WAXING CRESCENT	 18 WAXING CRESCENT	 19 WAXING CRESCENT
 20 WAXING CRESCENT	 21 FIRST QUARTER	 22 WAXING GIBBOUS	 23 WAXING GIBBOUS	 24 WAXING GIBBOUS	 25 WAXING GIBBOUS	 26 WAXING GIBBOUS
 27 WAXING GIBBOUS	 28 WAXING GIBBOUS	 29 FULL MOON	 30 WANING GIBBOUS	 31 WANING GIBBOUS		

The Moon in July

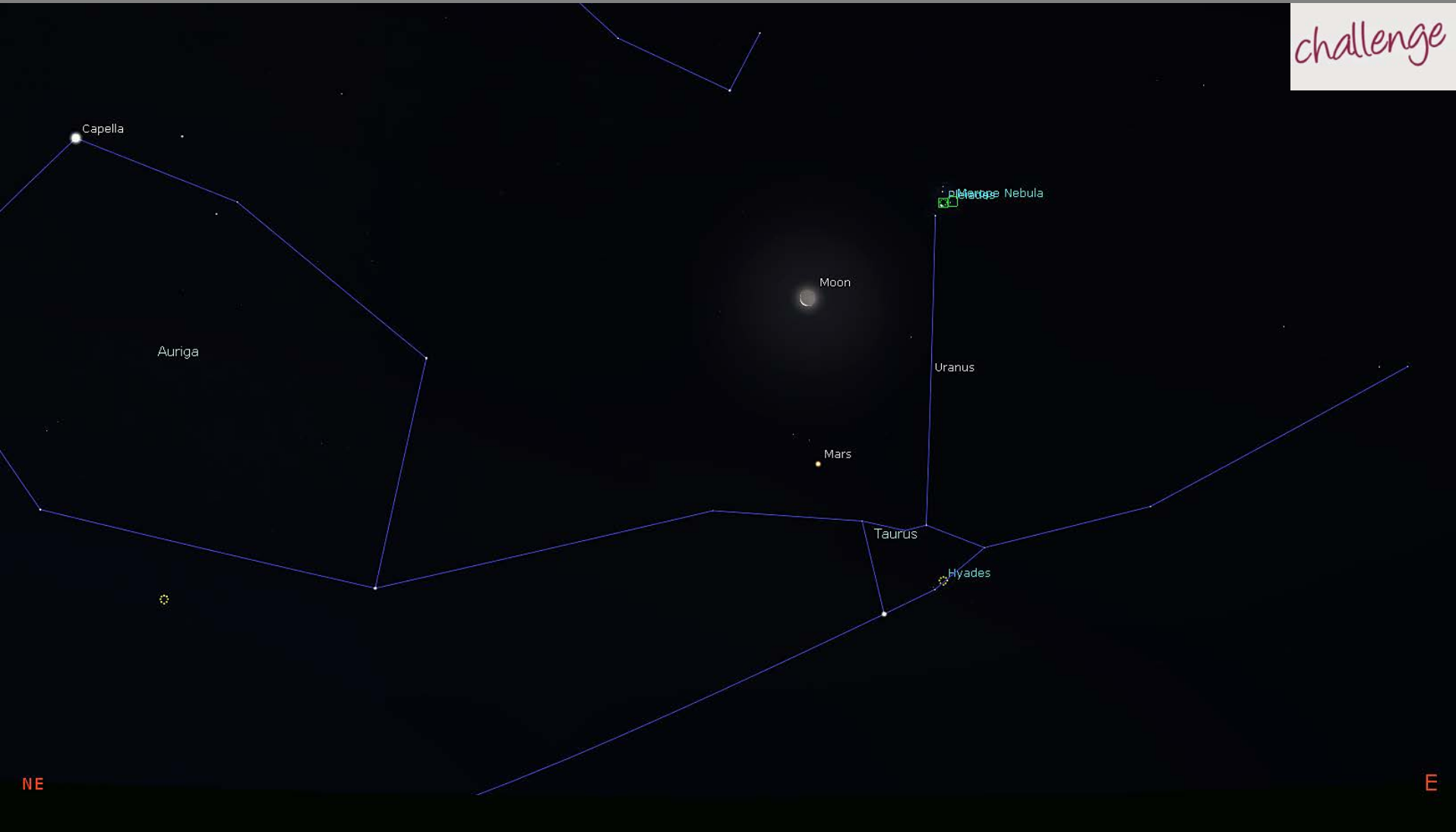
Date	Phase	English	Mi'kmaq
July 7	<i>Last Quarter</i>	Trees Fully Leafed	<u>Sqoljuiku's</u>
July 7, 8	Moon near Saturn		
July 11	Moon near M45 and Mars		
July 13	Moon at perigee (359,100 km)		
July 14	<i>New Moon</i>	Birds Shedding Feathers	<u>Peskewiku's</u>
July 17	Moon near Venus		
July 21	<i>First Quarter</i>		
July 20	Moon near Spica		
July 24	Moon near Antares and M4		
July 25	Moon at apogee (405,500 km)		
July 29	<i>Full Moon</i>		



July 11 @ 4:00 a.m.

F.O.V (7.1°) with 7 x 50 binoculars

challenge



July 11 @ 4:00 a.m.



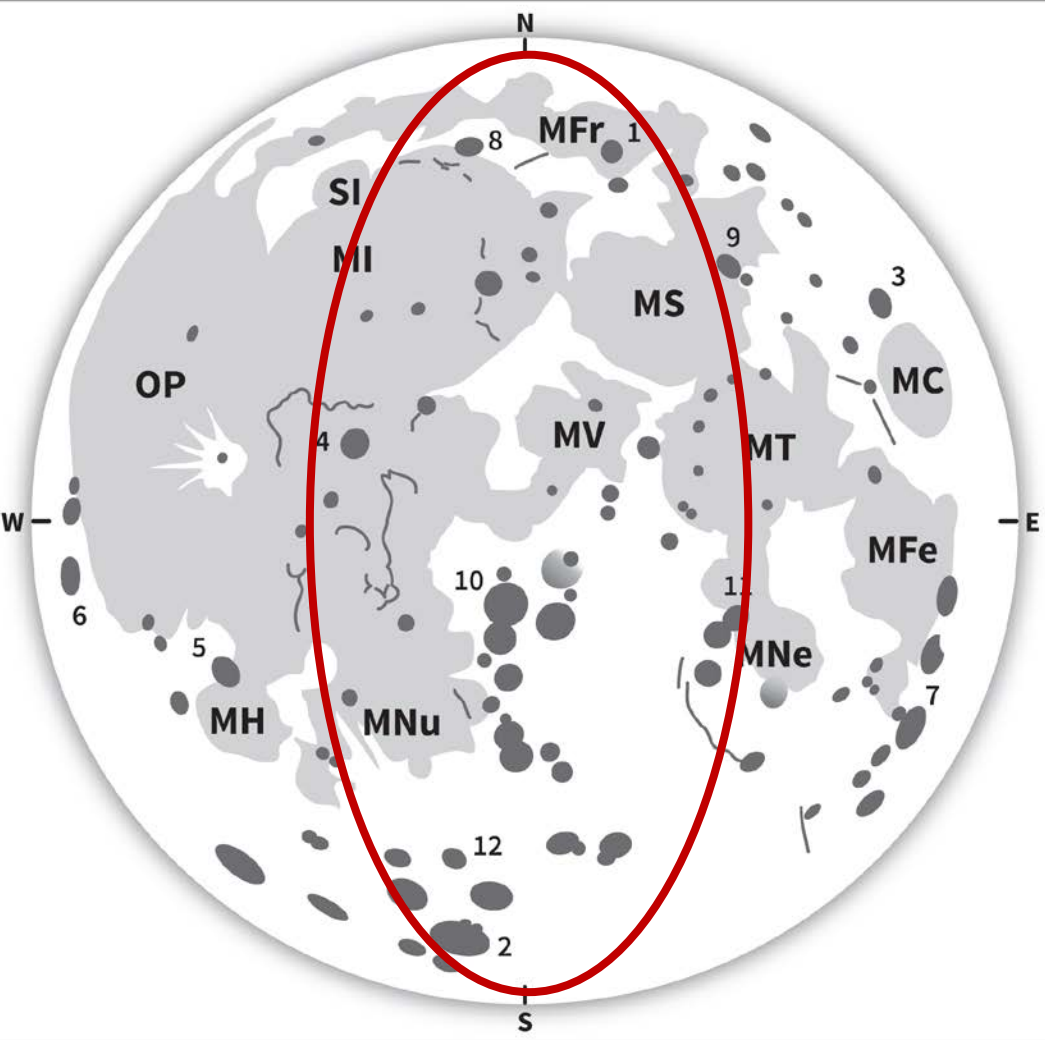
July 17 @ 9:30 a.m.

F.O.V (7.1°) with 7 x 50 binoculars



July 24 @ 9:30 a.m.

F.O.V (4.4°) with 15 x 70 binoculars



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 5-9, 19-23

The Moon in

Explore the Universe

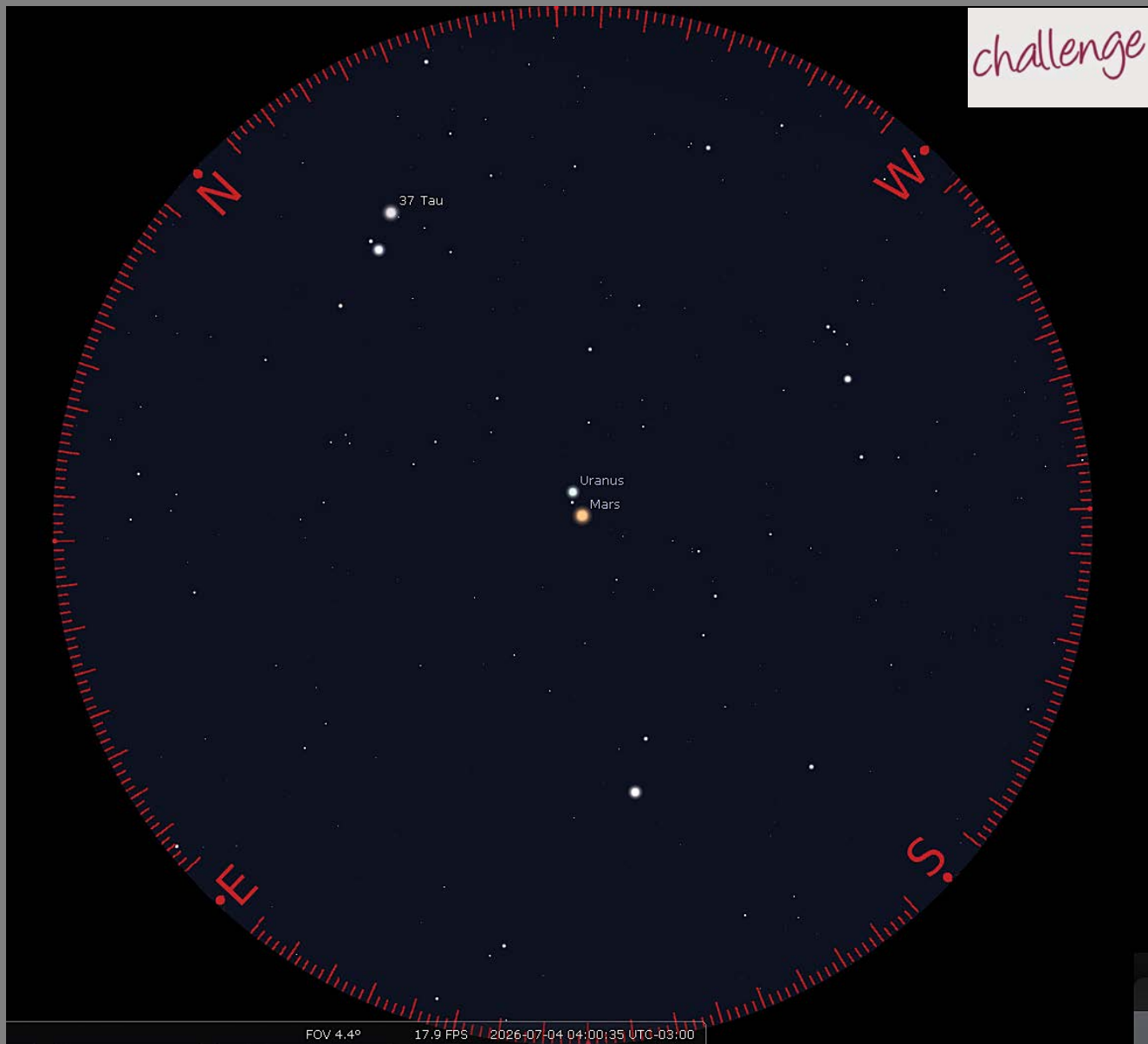
observe 3 of each in binos

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 | |

challenge

challenge



July 4 @ 4:00 a.m.

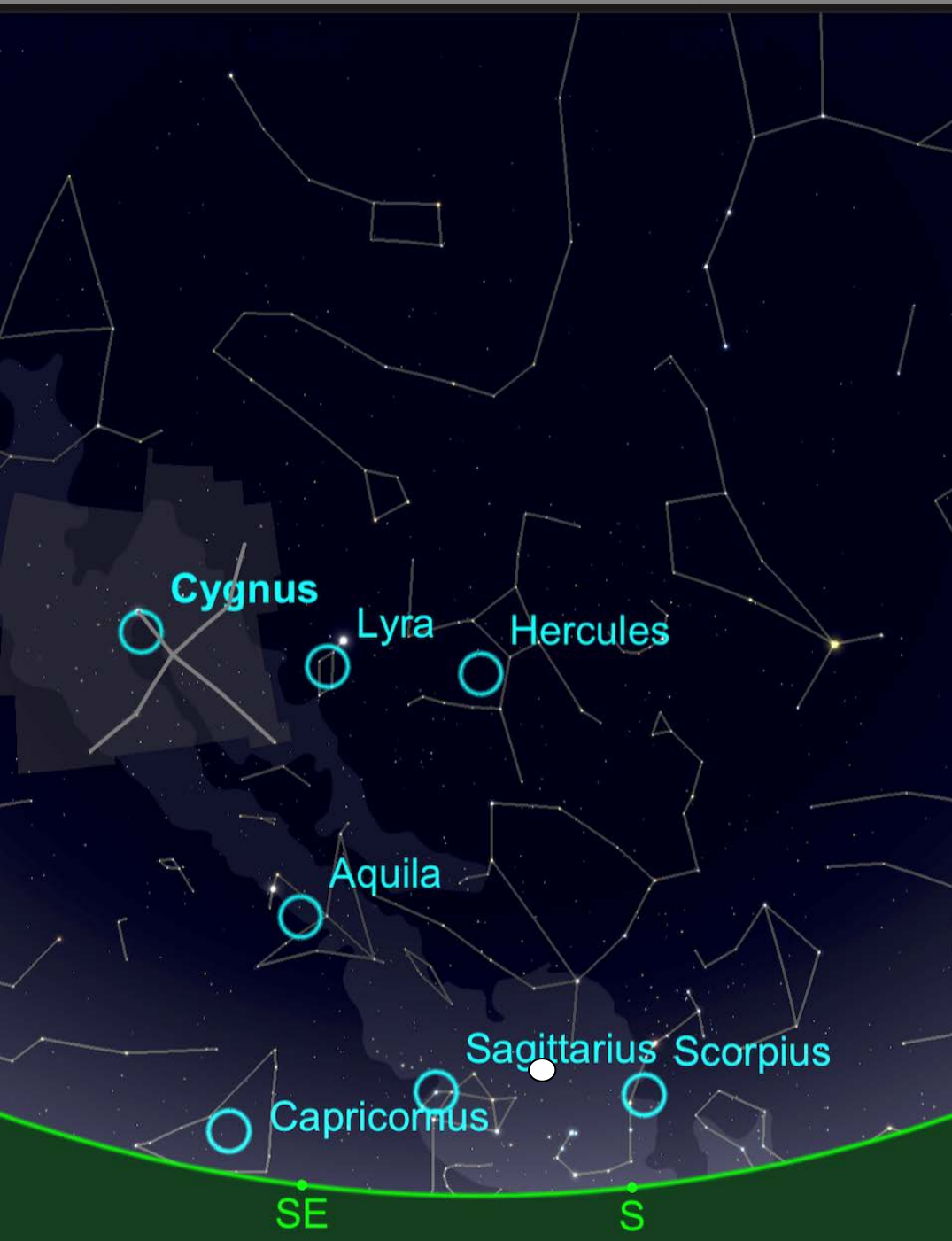
F.O.V (4.4°) with 15 x 70 binoculars

challenge



July 11 @ 4:00 a.m.

Nice wide-field photo opportunity



Explore the Universe: Summer Constellations

Twilight ends late:
~11:10 p.m.





Explore the Universe:

Summer Stars

Ranking:

#5 Vega (N)

#12 Altair (N)

#15 Antares (N)

#20 Deneb (N)

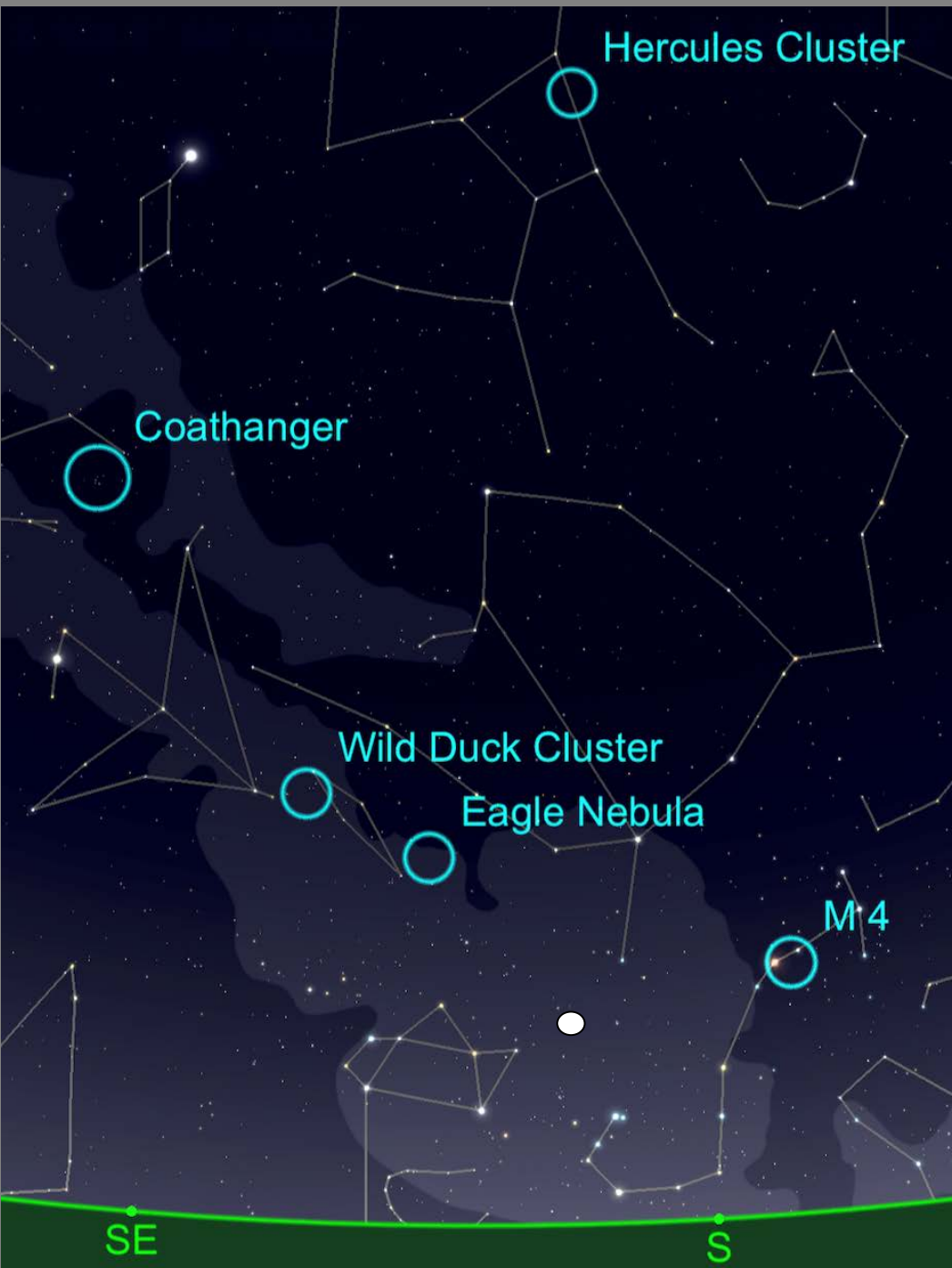
- Rasalgethi (A)

- Algedi

- Dabih

-Nunki (N)

- Albireo



Explore the Universe:

Summer Deep-Sky

The Hercules Cluster

(Messier 13/NGC 6205)

145 LY in diameter and contains several hundred thousand stars (view in binoculars in dark sky)





Explore the Universe: Summer Double Stars

Albireo (β Cygni)

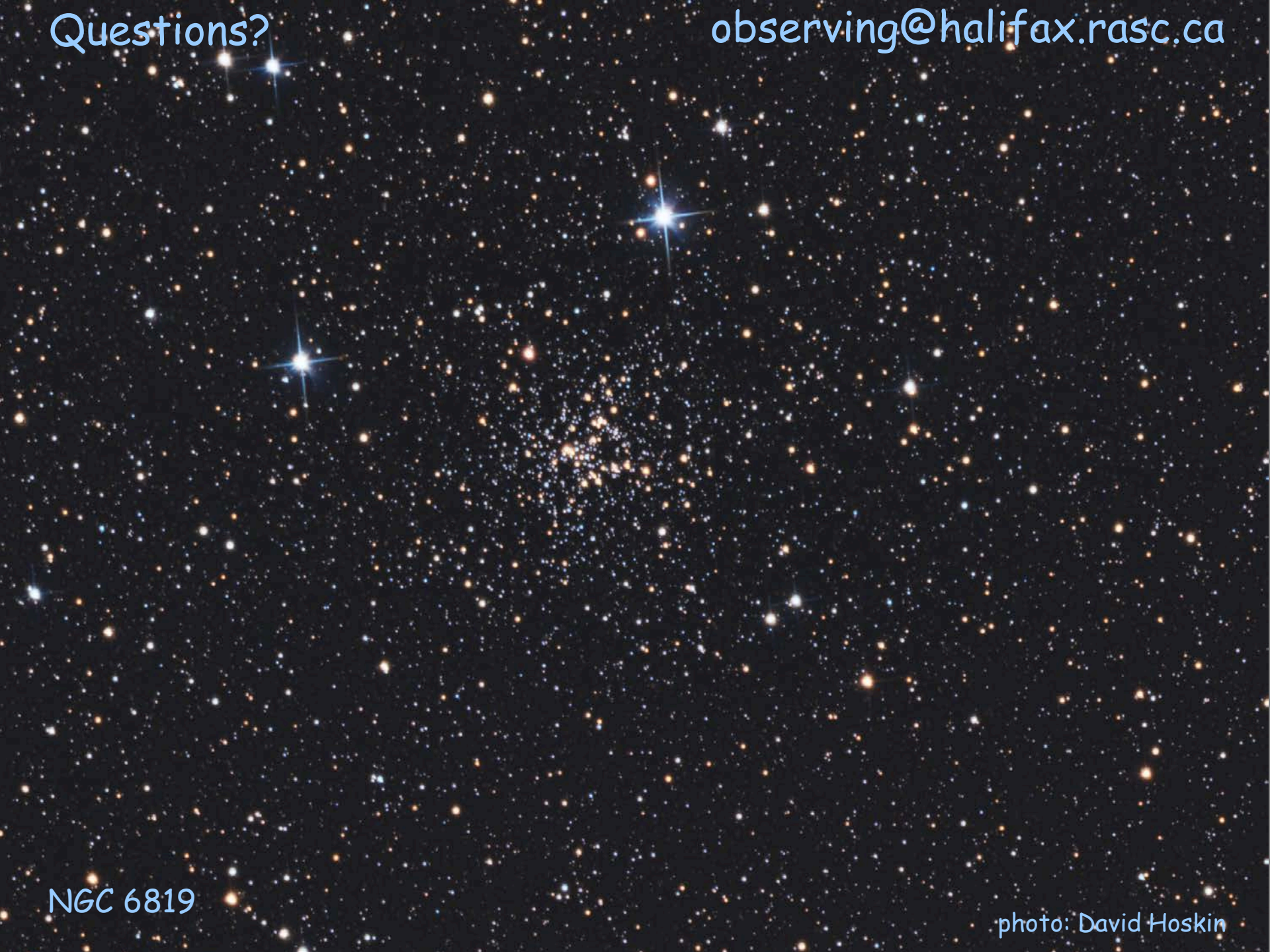
Colorful double star

Split with binoculars or a small
telescope



Questions?

observing@halifax.rasc.ca



NGC 6819

photo: David Hoskin