

What's Up?

November 1-30, 2025



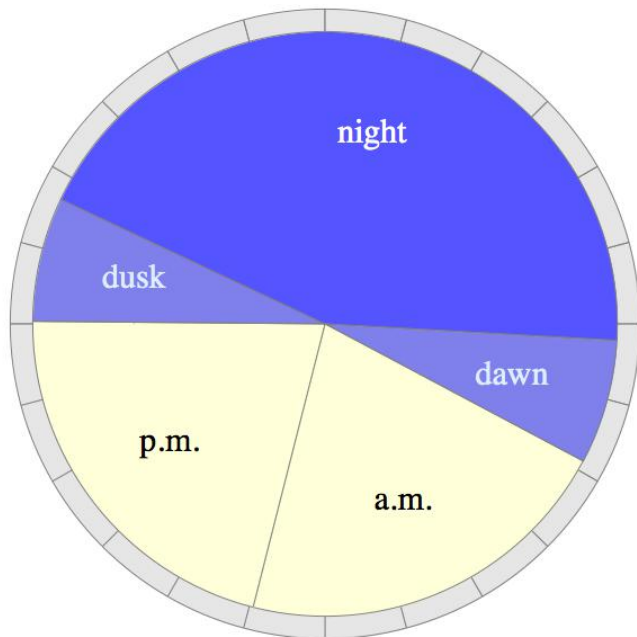
Made with the 2025 RASC Observer's Handbook, 2025
Night Sky Almanac, Sky Safari®, and Stellarium®

The Sun This Month

[Today's Solar Activity](#)

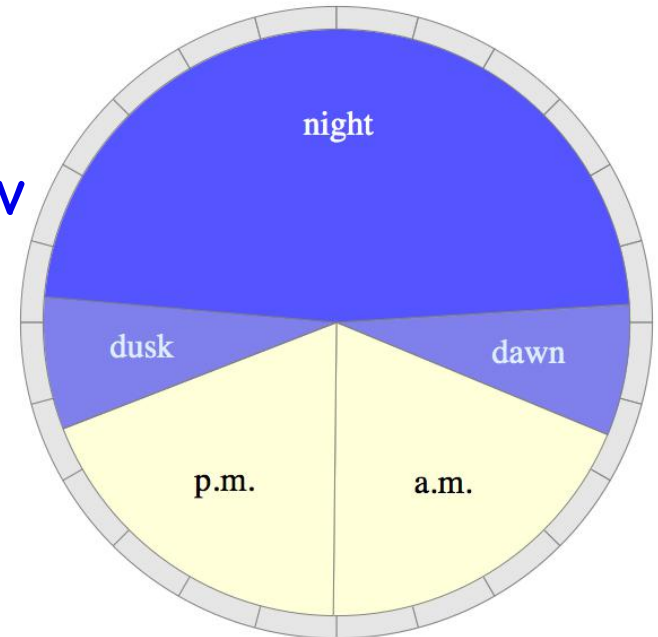
Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
Nov 1	6:02 p.m.	7:41 p.m.	10.5 h	6:13 a.m.	7:52 a.m.	12:57 p.m.	10.2 h	30.7°
Nov 30	4:35 p.m.	6:19 p.m.	11.4 h	5:46 a.m.	7:30 a.m.	12:03 p.m.	9.1 h	23.6°

Halifax Nov 01

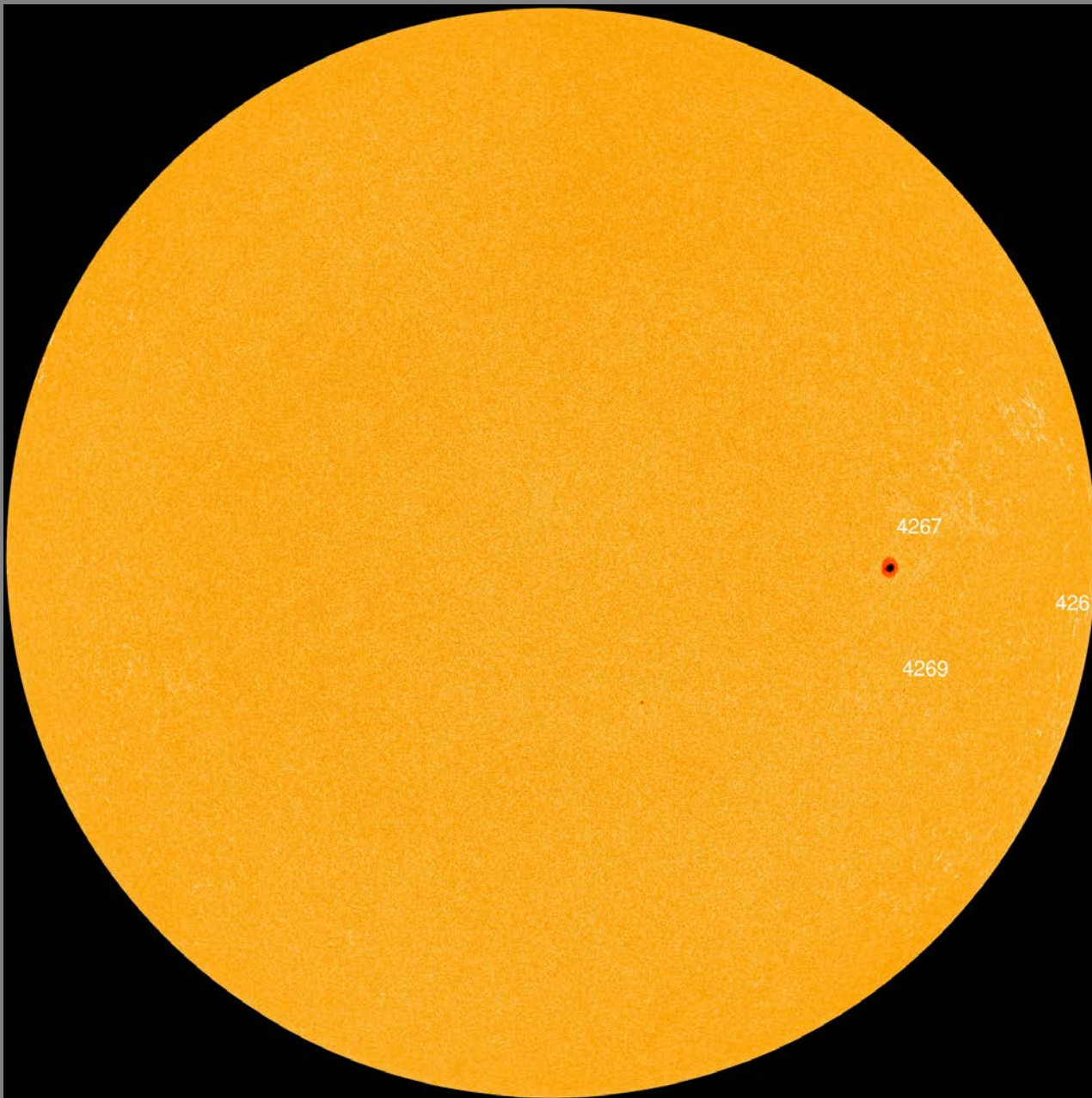


Standard Time
in effect
Sunday 2 Nov
at 2.a.m.

Halifax Nov 30



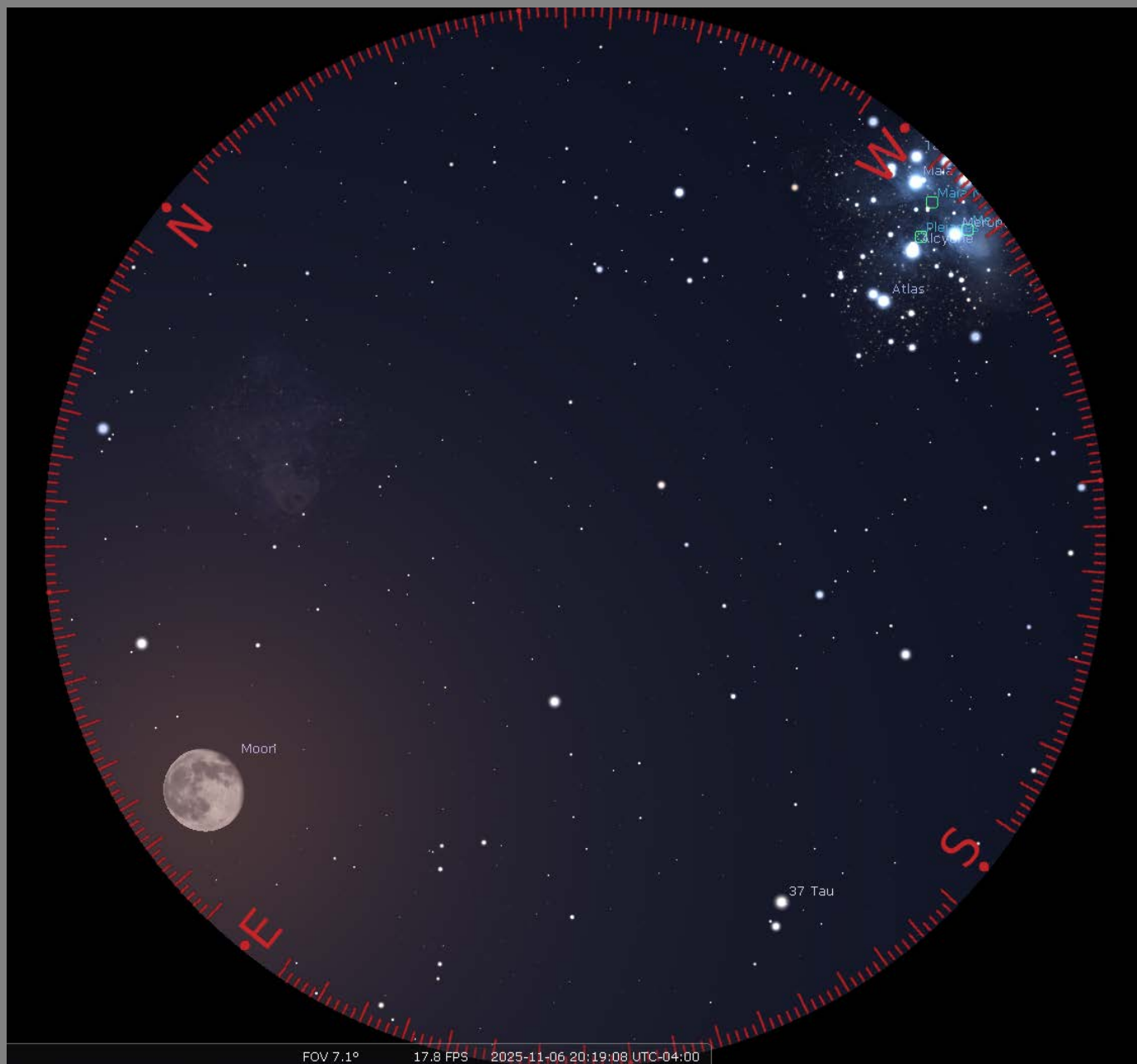
[YouTube: RASC Halifax](#)



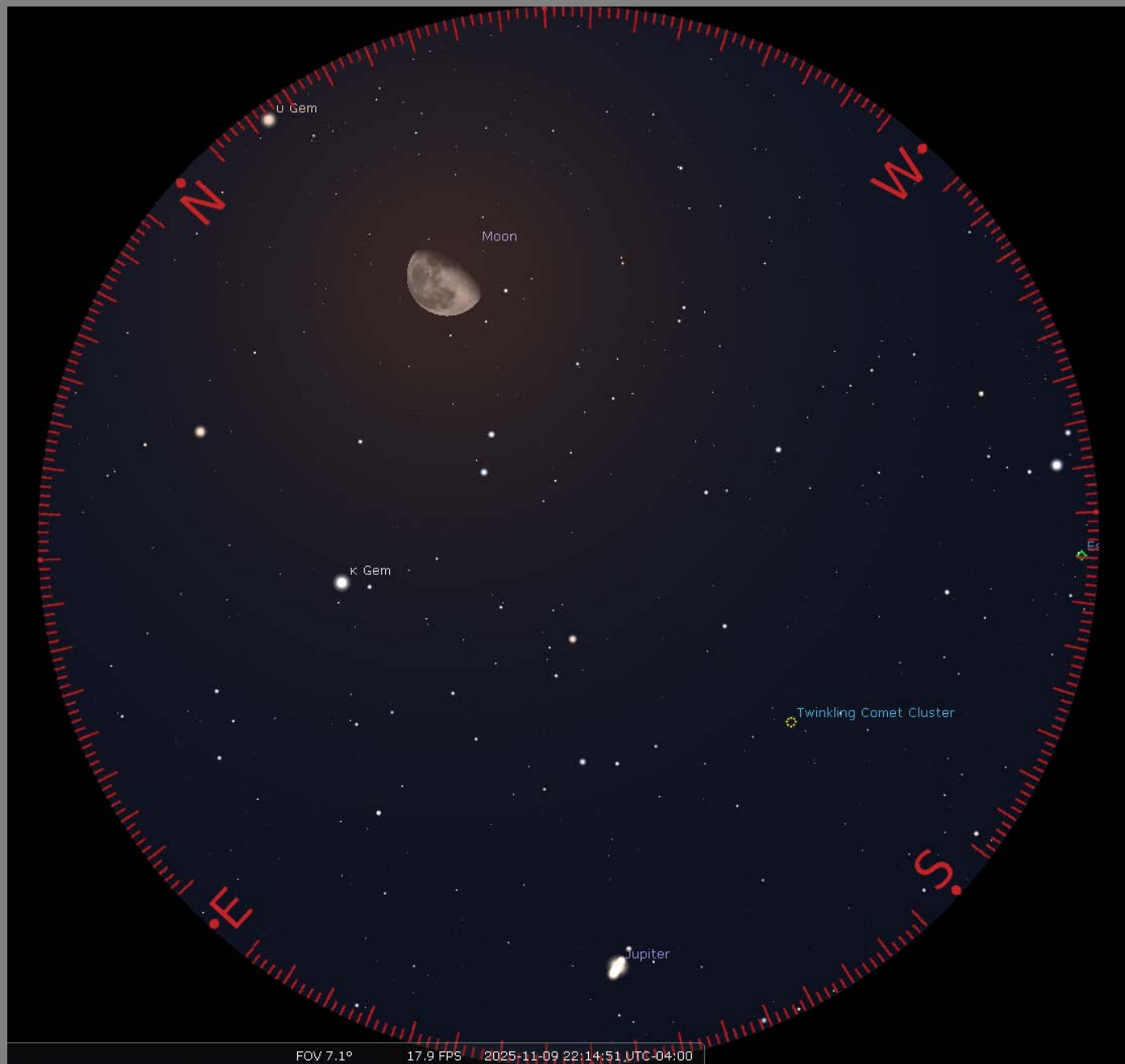
All 3 are stable but at least one active one is coming!

The Moon This Month

Date	Phase	English	Mi'kmaq
Nov 1	Moon near Saturn		
Nov 5	<i>Full Moon</i>	Animal Fattening	Wikumkewiku's
Nov 5	Moon at perigee (356,800 km)		
Nov 6	Moon near the Pleiades		
Nov 9	Moon near Jupiter		
Nov 12	<i>Last Quarter</i>		
Nov 13	Moon near Regulus		
Nov 17	Moon near Spica		
Nov 19	Moon at apogee (406,700 km)		
Nov 20	<i>New Moon</i>	Rivers Freezing Over	Keptekewiku's
Nov 28	<i>First Quarter</i>		
Nov 29	Moon near Saturn		



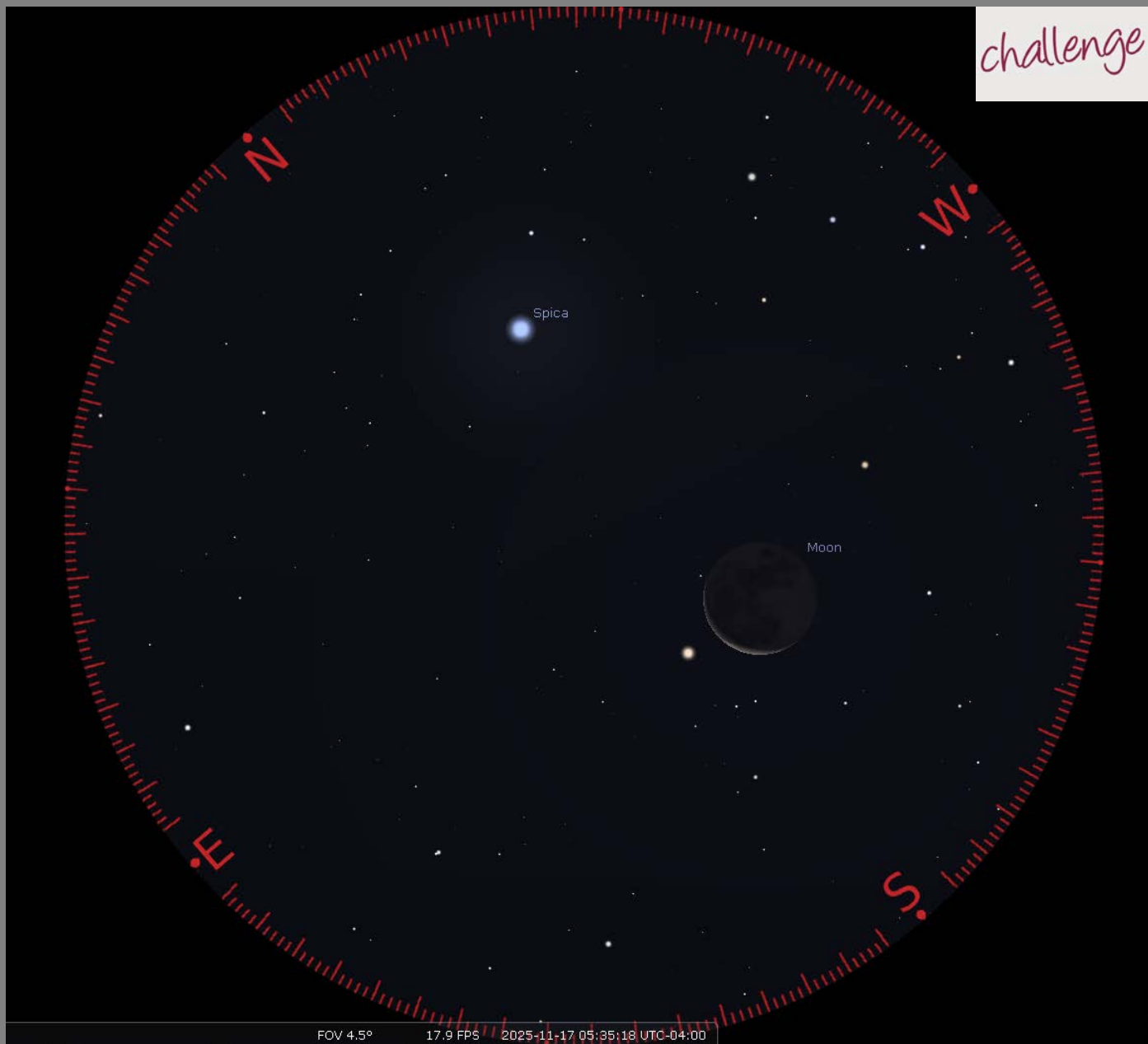
Nov 6 @ 10:20 p.m. 7x50 binoculars FOV 7.1°



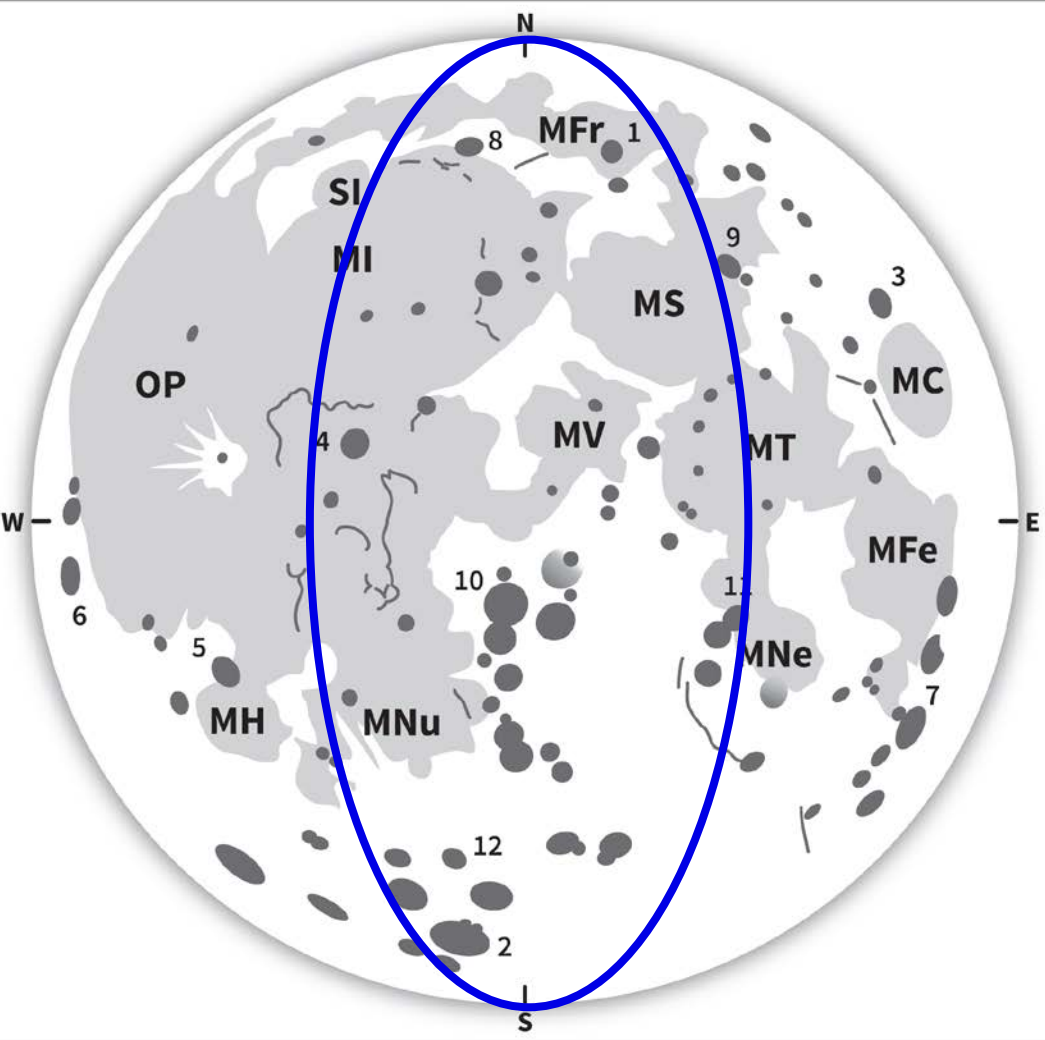
Nov 9 @ 10:15 p.m. 7x50 binoculars FOV 7.1°



Nov 13 @ 4:30 a.m. 7x50 binoculars FOV 7.1°



Nov 17 @ 5:30 a.m. 15x70 binoculars FOV 4.4°



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

November 26-30

The Moon in

Explore the Universe

CRATERS

1. Aristoteles

2. Clavius

3. Cleomedes

4. Copernicus

5. Gassendi

6. Grimaldi

7. Petavius

8. Plato

9. Posidonius

10. Ptolomaeus

11. Theophilus

12. Tycho

challenge

observe 3 of each in binoculars

challenge



Nov 12 @ 5:15 p.m Mars-Mercury Conjunction



Nov 12 @ 5:15 p.m 15x70 binoculars FOV 4.4°

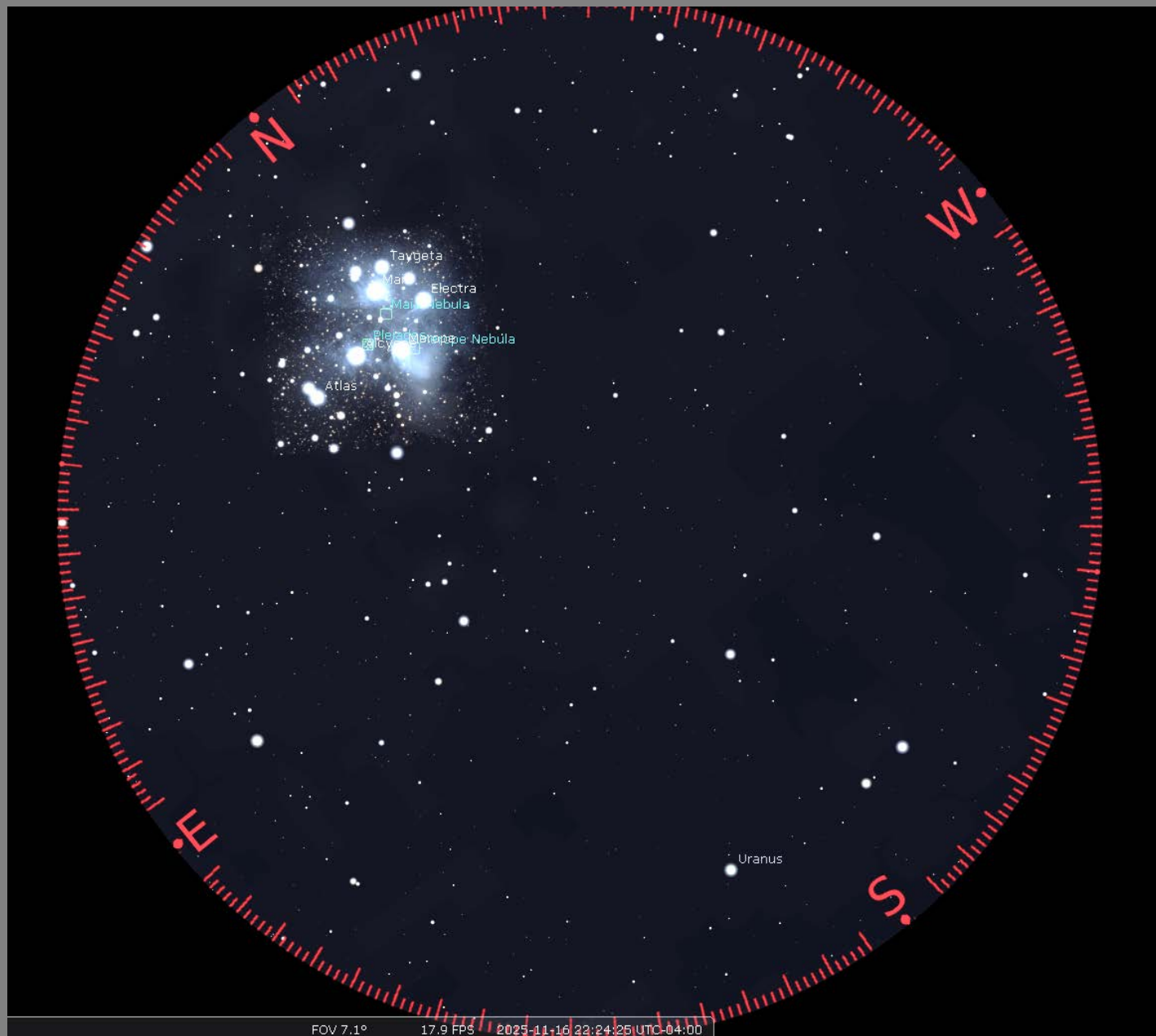
challenge



Nov 25 @ 6:50 a.m Venus-Mercury Conjunction



Nov 25 @ 6:50 a.m 15x70 binoculars FOV 4.4°



Uranus near M45 during November (7x50 binoculars, FOV 7.1°)

Explore the Universe: Autumn Constellations

Pegasus

Andromeda

Cassiopeia

Perseus

Aries





Explore the Universe:

Autumn Stars

Ranking:

#35 Mirfak (N)

Hamal (N)

Alpheratz (N)

Algol

Schedar (N)

Markab

Sheratan

N = Navigation

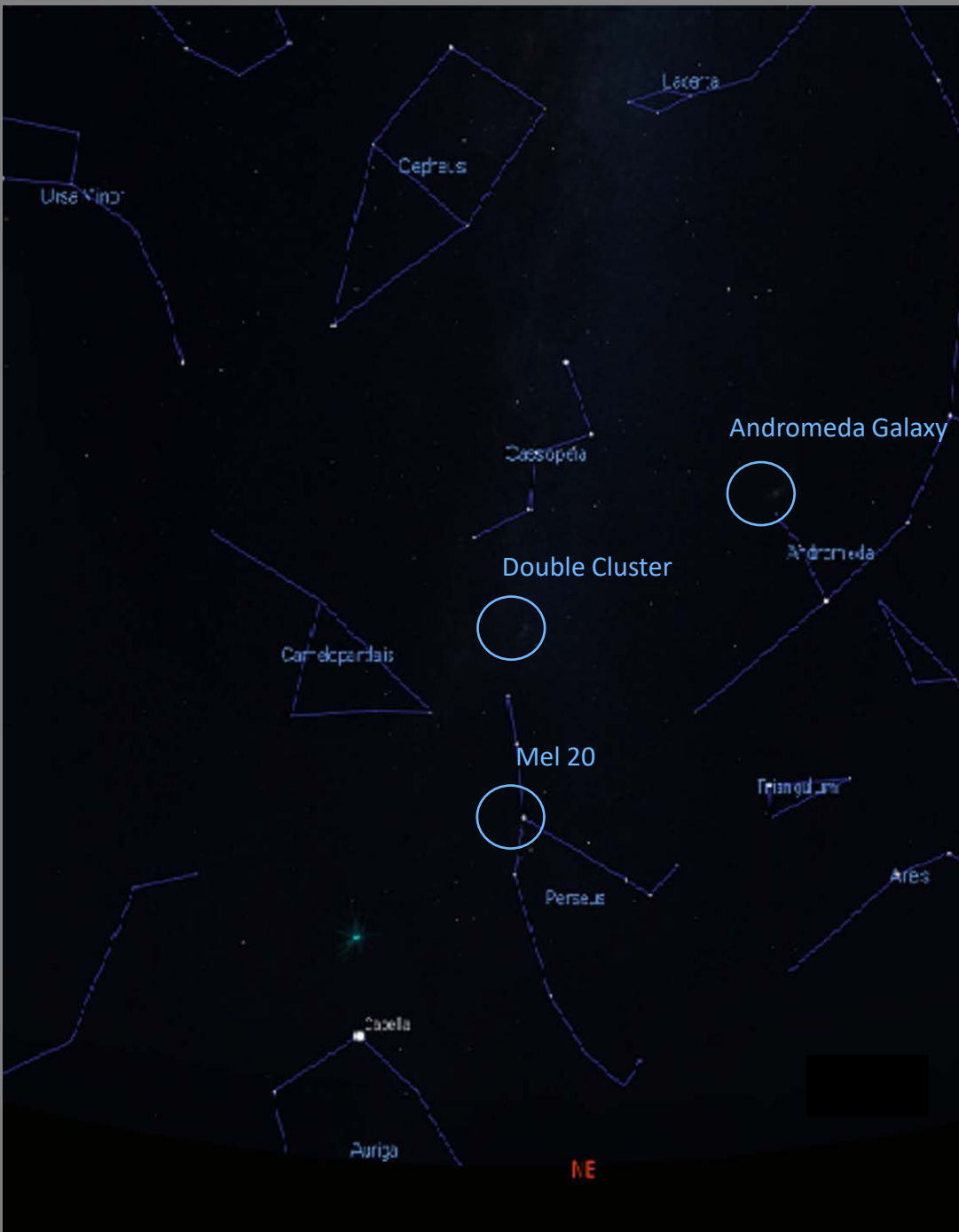
all good for SynScan alignment

Explore the Universe: Autumn Deep-Sky Objects

Messier 31 (Andromeda Galaxy)

Barred spiral galaxy

M32 and M110 are satellites



Explore the Universe: Double Star

$\beta 1$ & $\beta 2$ Capricorni (3.2, 6.1, 207")

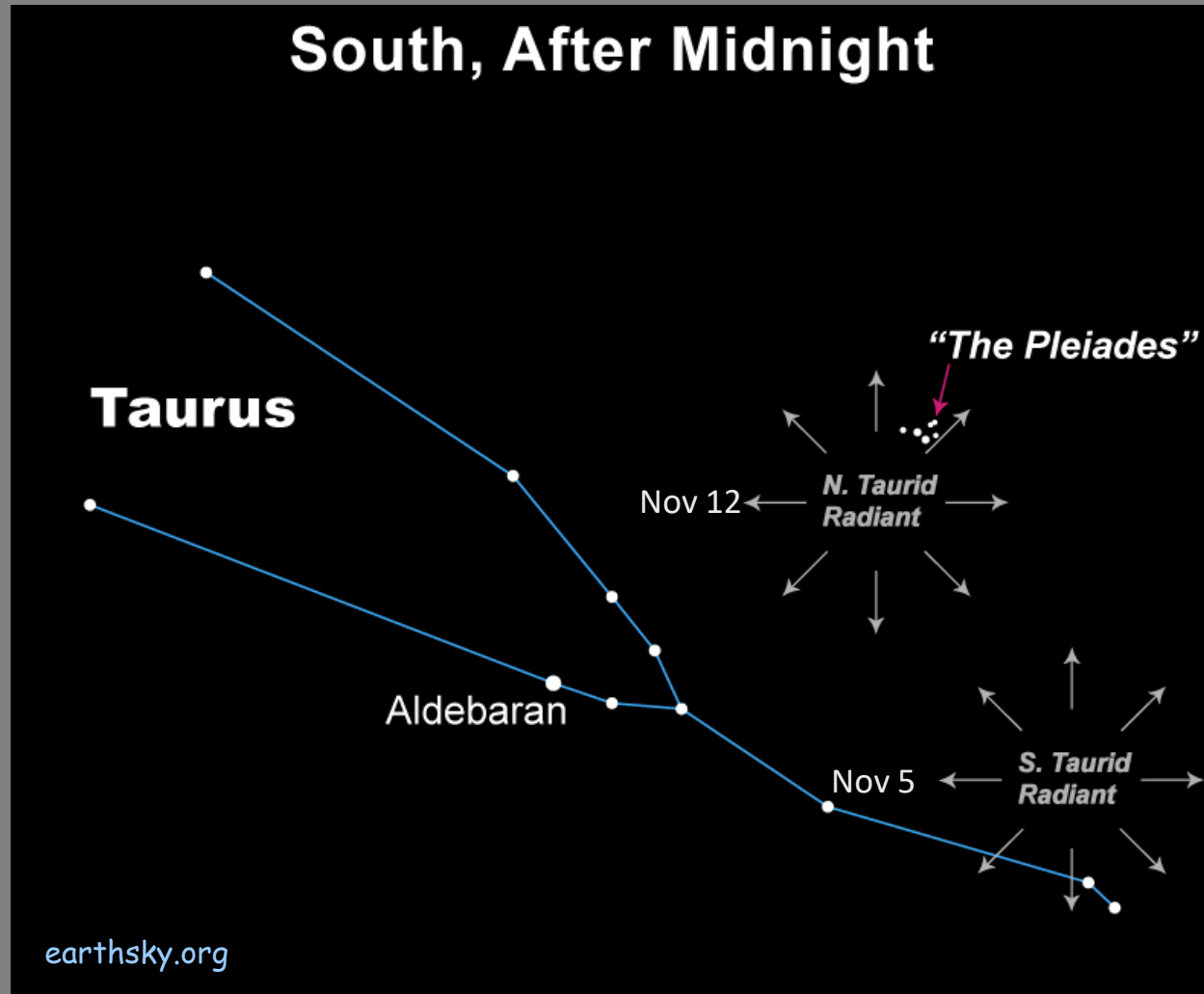
Binocular double star (look after sunset) that is actually 5 stars

$\beta 1$ Cap (Dabih) is an orange giant

$\beta 2$ Cap is a white giant

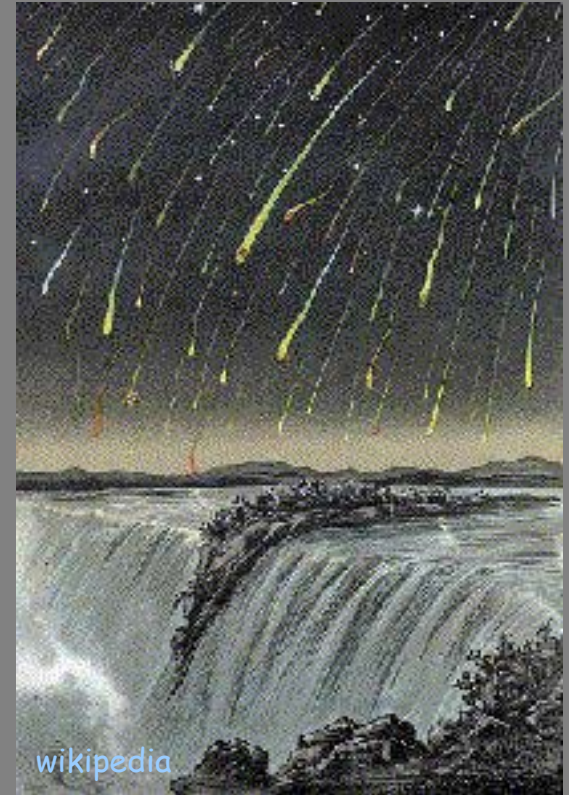


Southern and Northern Taurid Meteor Showers



- slow-moving meteors, sometimes very bright
- approximately 5/hour

Leonid Meteor Shower



1833 Leonid
meteor storm
(100,000/hour)

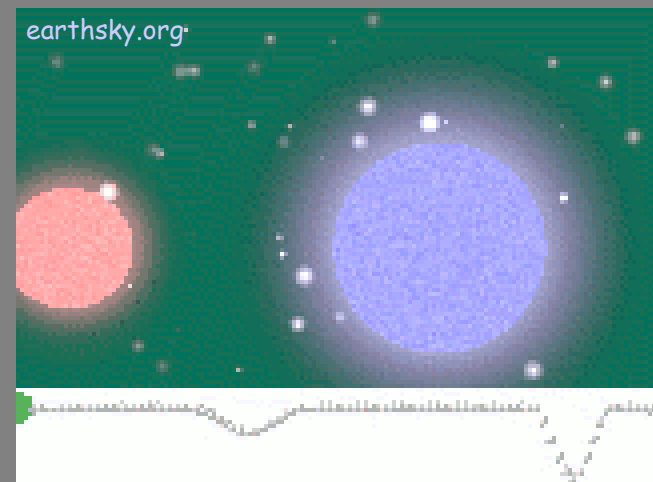
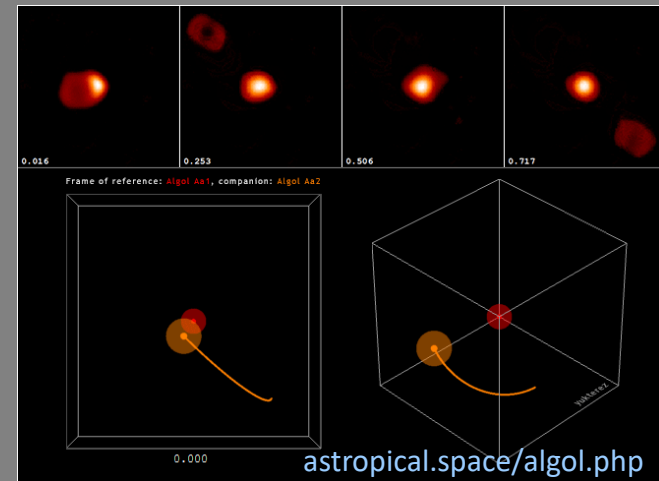
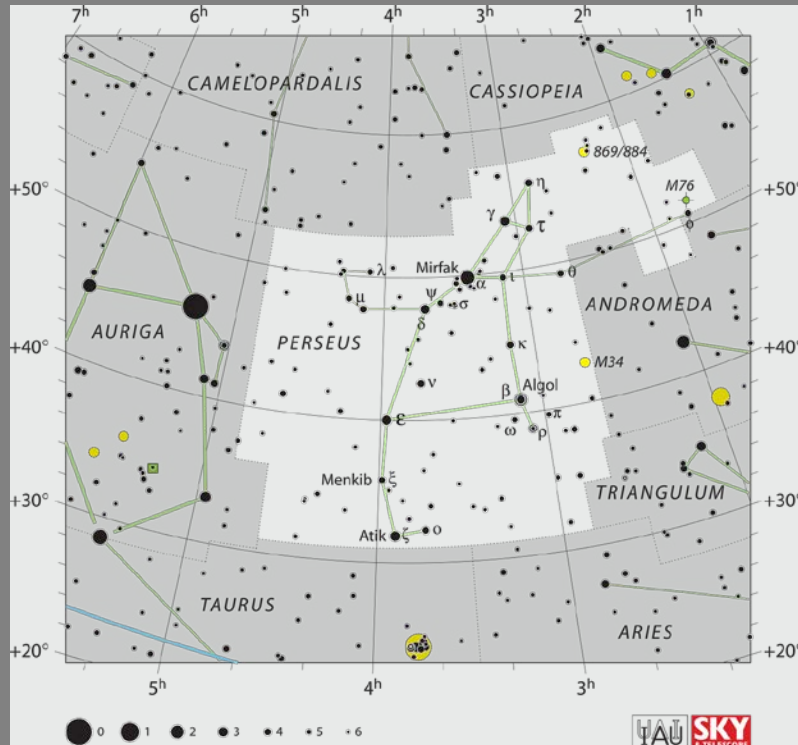
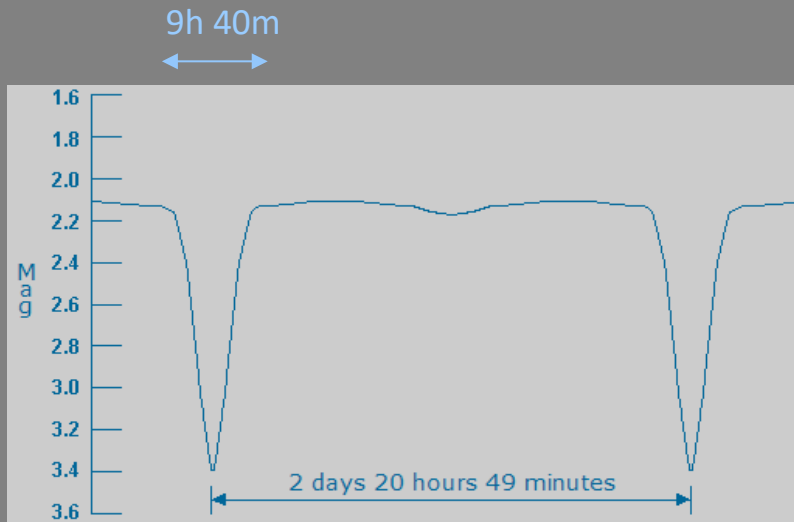
- fast moving meteors, up to 15/hour
- P55/Temple Tuttle, due back in 2031, is the source

challenge

Algol (β Persei)

Nov 8 minimum 9:02 p.m. (mag. 3.2)

Nov 9 maximum 1:52 a.m. (mag. 2.2)



Questions?

observing@halifax.rasc.ca



photo: David Hoskin