

What's Up?

April 1-30, 2025

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

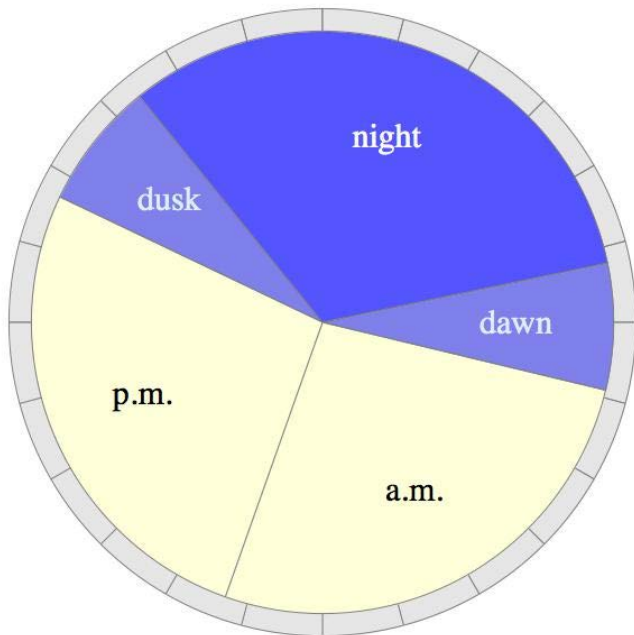


The Sun This Month

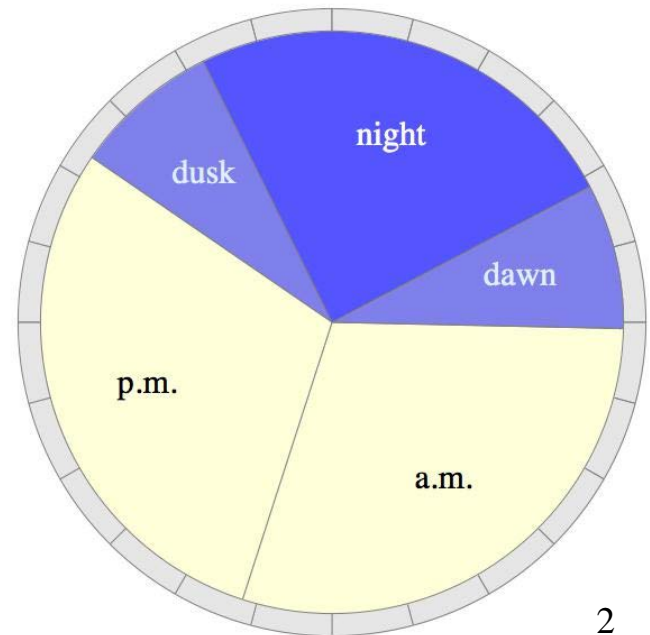
[Today's Solar Activity](#)

Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
Apr 1	7:42 p.m.	9:23 p.m.	7.8 h	5:13 a.m.	6:54 a.m.	1:18 p.m.	12.8 h	50.2°
Apr 30	8:18 p.m.	10:14 p.m.	5.9 h	4:09 a.m.	6:05 a.m.	1:11 p.m.	14.2 h	60.3°

Halifax Apr 01



Halifax Apr 30



The Moon This Month

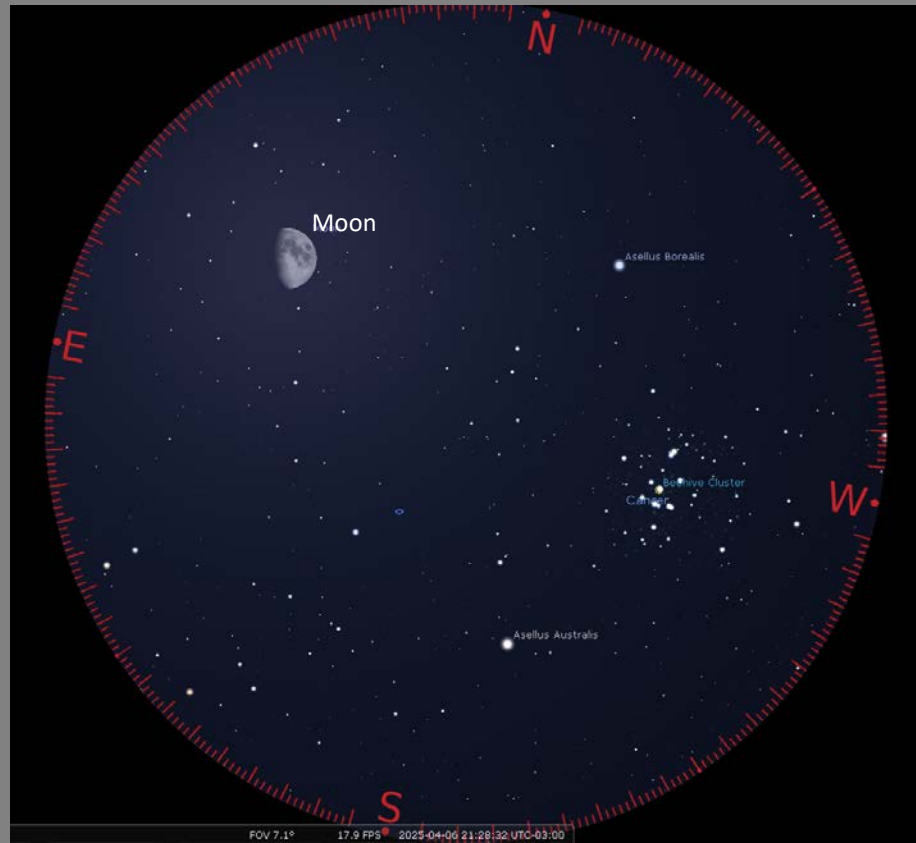
Date	Phase	English	Mi'kmaq
April 1	Moon near the Pleiades		
April 2	Moon near Jupiter		
April 5	<i>First Quarter</i>	Birds Laying Eggs	<u>Penatmuiku's</u>
April 5	Moon near Mars		
April 6	Moon near the Beehive Cluster		
April 13	<i>Full Moon</i>		
April 13	Moon at apogee (406,300 km)		
April 21	<i>Last Quarter</i>		
April 22	Lyrid meteor shower peak		
April 25	Moon near Saturn and Venus		
April 27	<i>New Moon</i>	Frogs Croaking	<u>Sqoljuiku's</u>
April 27	Moon at perigee (357,100 km)		
April 30	Moon near Jupiter		



Apr 2 @ 9:00 p.m.
7x50 binoculars FOV 7.1°



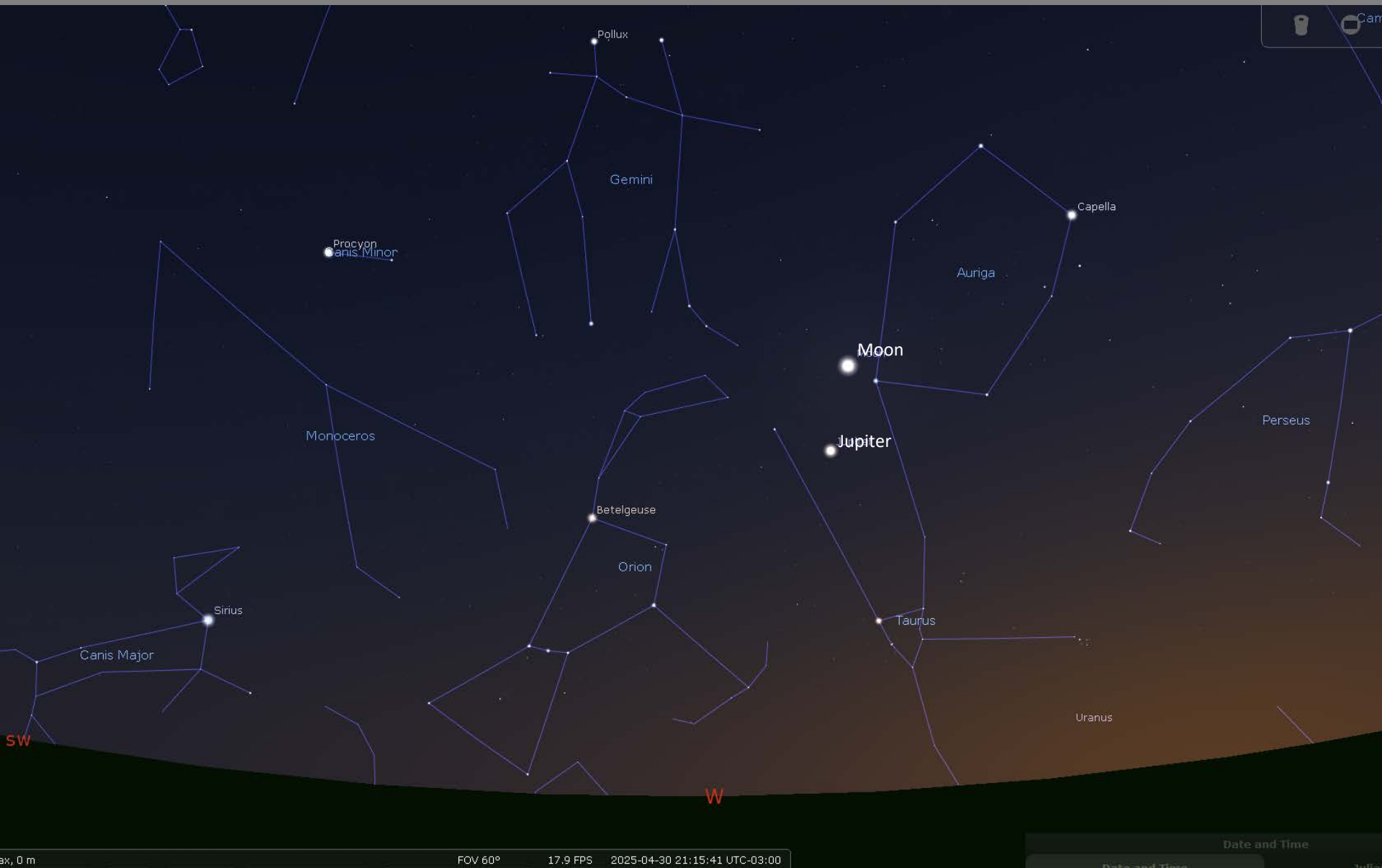
Apr 5 @ 9:30 p.m.
15x70 binoculars FOV 4.4°



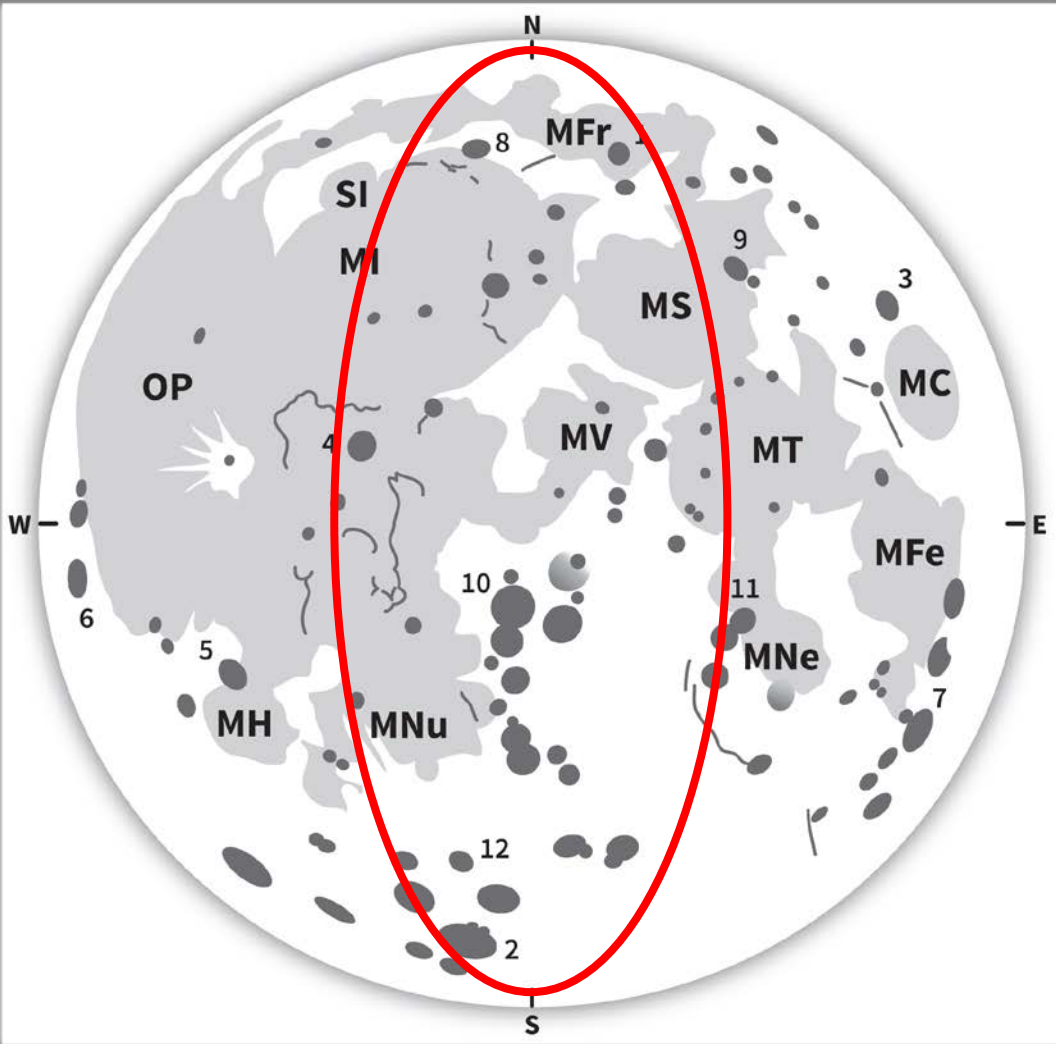
Apr 6 @ 9:30 p.m.
7x50 binoculars FOV 7.1°



Apr 25 @ 5:30 a.m.
7x50 binoculars FOV 7.1°



Apr 30 @ 9:15 p.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 Procellaru

best view April 3-7 after sunset

The Moon in

Explore the Universe

observe 3 of each in binos

CRATERS

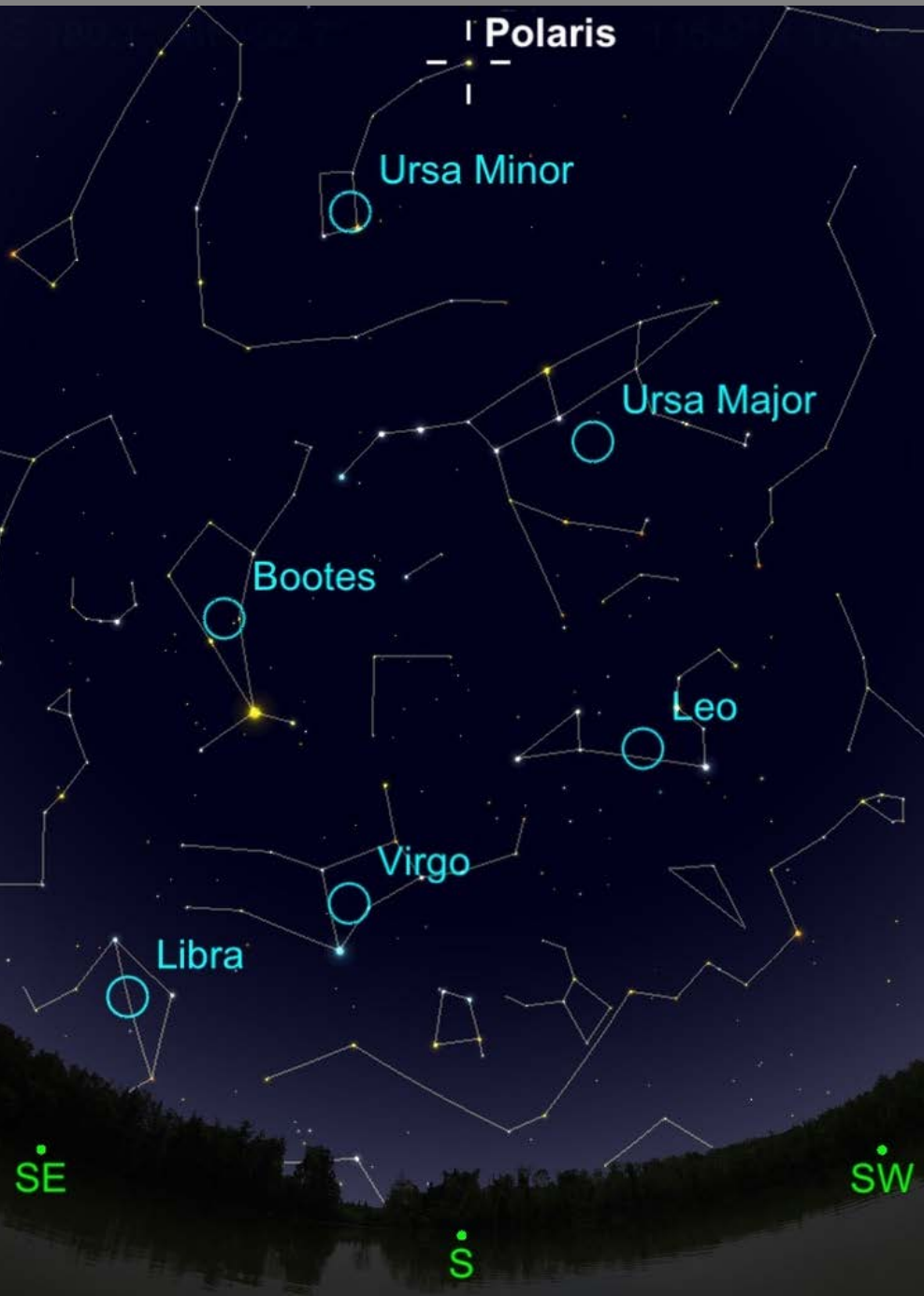
- | | | |
|----------------|---------------|----------------|
| 1. Aristoteles | 5. Gassendi | 10. Ptolomaeus |
| 2. Clavius | 6. Grimaldi | 11. Theophilus |
| 3. Cleomedes | 7. Petavius | 12. Tycho |
| 4. Copernicus | 8. Plato | |
| | 9. Posidonius | |

challenge

The Lyrid Meteor Shower

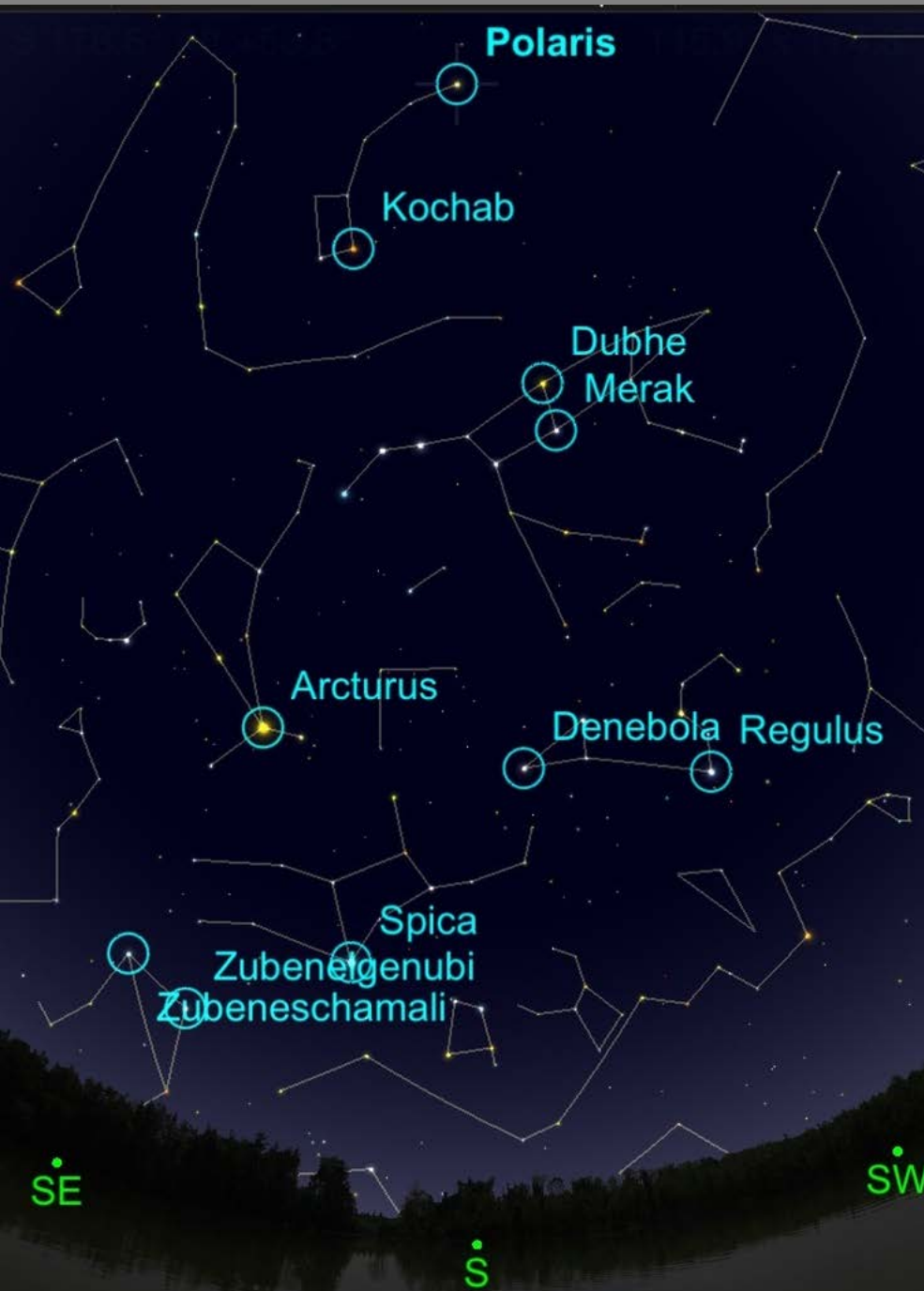
- Lyrid radiant is in Lyra; predicted peak on April 22 at 2 am AST
- expect 10-15 meteors per hour at the peak, although there may be bursts of up to 100 meteors per hour
- fireballs are possible
- best time to view is after midnight before the Moon rises.





Explore the Universe: Spring Constellations





Explore the Universe:

Spring Stars

Ranking:

- #3 Arcturus
- #14 Spica
- #22 Regulus
- #37 Dubhe
- #48 Polaris
- Denebola
- Zubenelgenubi
- Zubeneshamali

Halifax, NS

24 April 2025 @ 10:30 pm

Explore the Universe:

Spring Deep-Sky

Melotte 111 (Collinder 256)

Look south of the 4.4 mag. star

γ Coma Berenices

(view in binoculars in dark sky)



challenge



photo: David Hoskin

Explore the Universe: Double and Multiple Stars

- Mizar, the 2nd mag. middle star in the Big Dipper's handle, is a visual double star that may not be gravitationally bound with 4th mag. Alcor
- a telescope reveals a close-in companion of Mizar
- Mizar A and B, as well as Alcor, are unresolved double stars; in total, a 6-star system
- 8th mag. Sidus Ludoviciana lies between Mizar and Alcor



Questions?

