

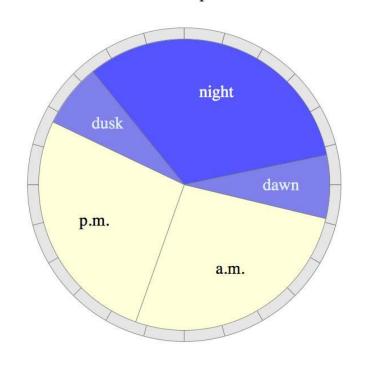
Made with the 2025 RASC Observer's Handbook, 2025 Night Sky Almanac, Sky Safari®, and Stellarium®

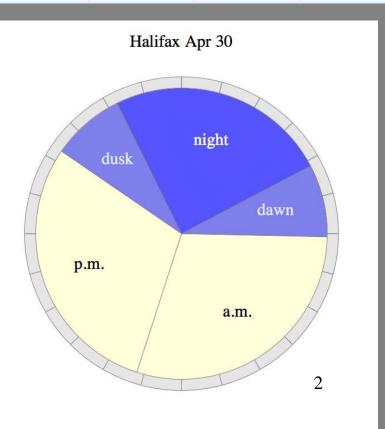


The Sun This Month Today's Solar Activity

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



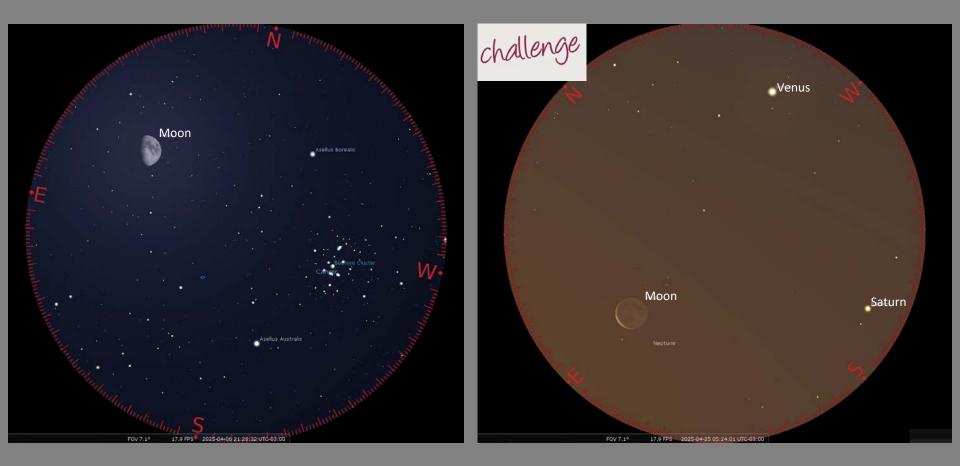


The Moon This Month

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

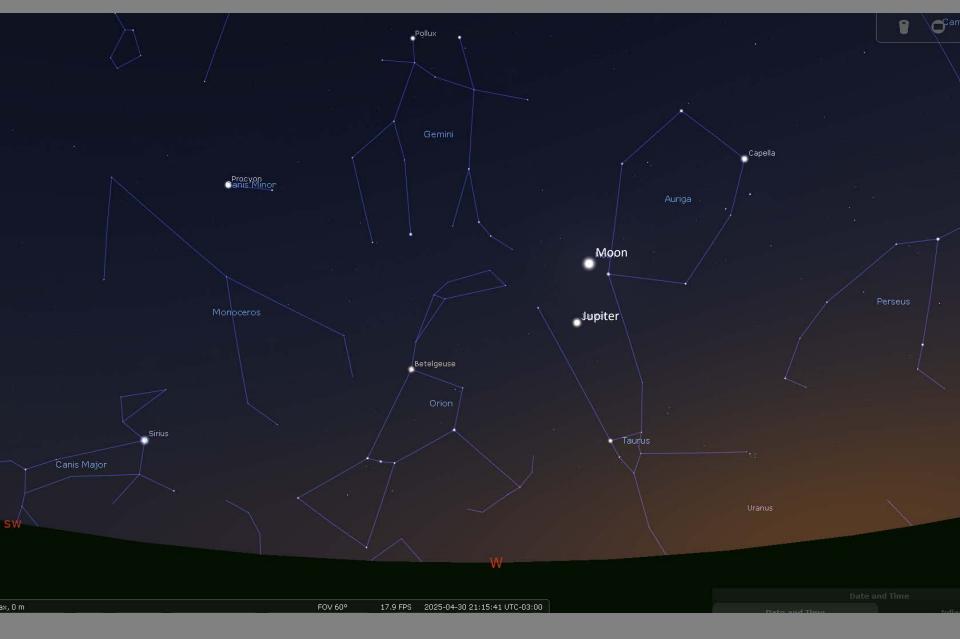


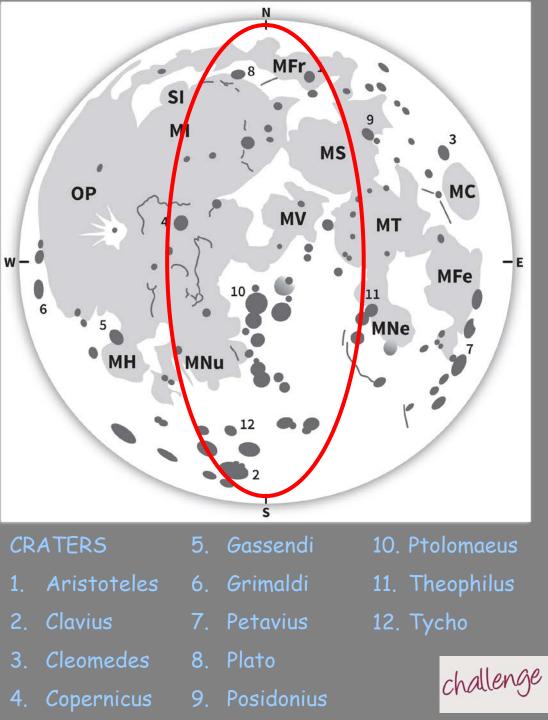
Apr 2 @ 9:00 p.m. 7x50 binoculars FOV 7.1° Apr 5 @ 9:30 p.m. 15x70 binoculars FOV 4.4°



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 3-7after sunset The Moon in Explore the Universe observe 3 of each in binos

The Planets in April

Mercury-visible very low in the E (mag. 1.3) before sunrise by early April

- Venus -visible low in the E (mag. -4.3) before sunrise -at its brightest (mag. -4.8) on 24 April
- Mars -visible in Gemini (mag. 0.5) after sunset -crosses into Cancer on 12 April -close to first-quarter Moon on 5 April
- Jupiter -prominent in Taurus (mag. -2.1) after sunset -near waxing crescent Moon on 2 April -near waxing crescent Moon on 30 April
- Saturn -visible in morning twilight (mag. 1.2) low in the E by 6 April -clusters with Venus and the waning crescent Moon on 25 April
- Uranus -visible near the Aries and Taurus boundary (mag. 5.8) after sunset -disappears into solar glare by the end of April

Neptune-visible in the pre-dawn sky (mag. 8.0) in Pisces by the last week of April

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.



24 Apr 2025 @ 10:30 pm



Explore the Universe: Spring Constellations

Explore the Universe

An Introduction to The Royal Astronomical Society of Canada's EtU Observing Program

By Brenda Shaw





24 Apr 2025 @ 10:30 pm



Explore the Universe: Spring Stars Ranking: **#3** Arcturus #14 Spica #22 Regulus #37 Dubhe #48 Polaris - Denebola - Zubenelgenubi - Zubeneschamali

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 y 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 6star system
- 8th mag. Sidus Ludoviciana lies between Mizar and Alcor



photo: David Hoskin

Questions?