



What's Up?

September 1-30, 2026

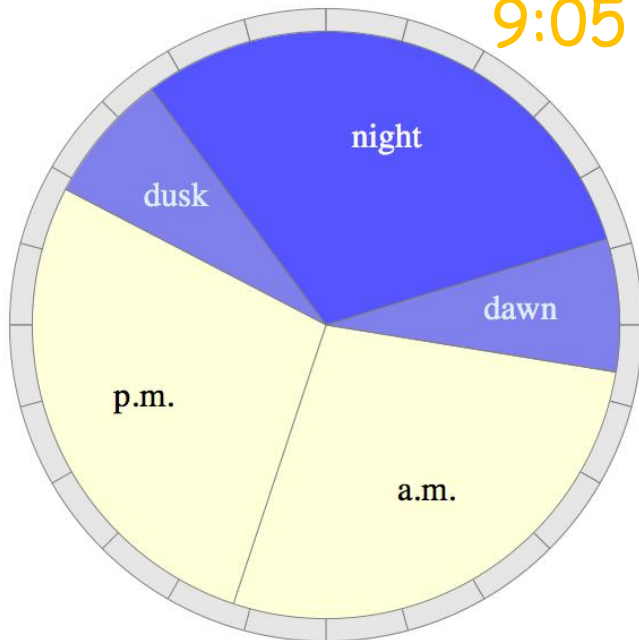
Made with the 2026 RASC Observer's Handbook, 2026
Night Sky Almanac, Sky Safari®, and Stellarium®

The Sun This Month

[Today's Solar Activity](#)

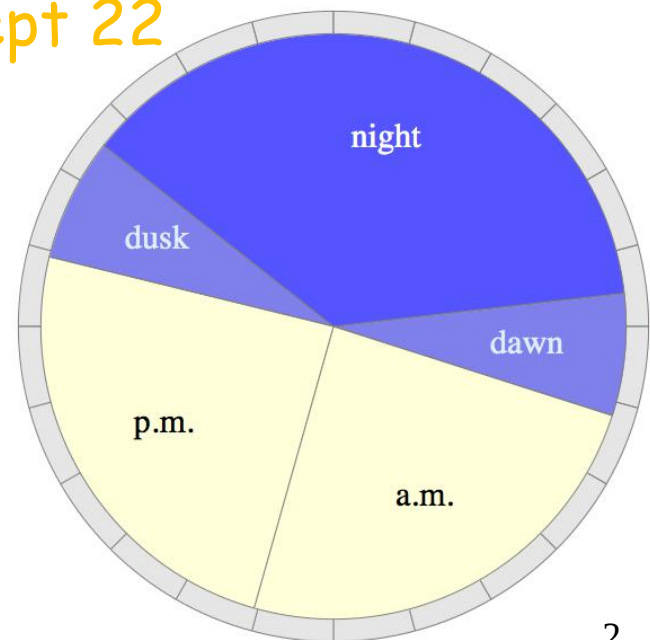
Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
Sept 1	7:50 p.m.	9:35 p.m.	7.3 h	4:52 a.m.	6:36 a.m.	1:14 p.m.	13.2 h	53.5°
Sept 30	6:56 p.m.	8:33 p.m.	9.0 h	5:33 a.m.	7:11 a.m.	1:04 p.m.	11.7 h	42.4°

Halifax Sept 1



Autumnal Equinox
9:05 p.m. ADT Sept 22

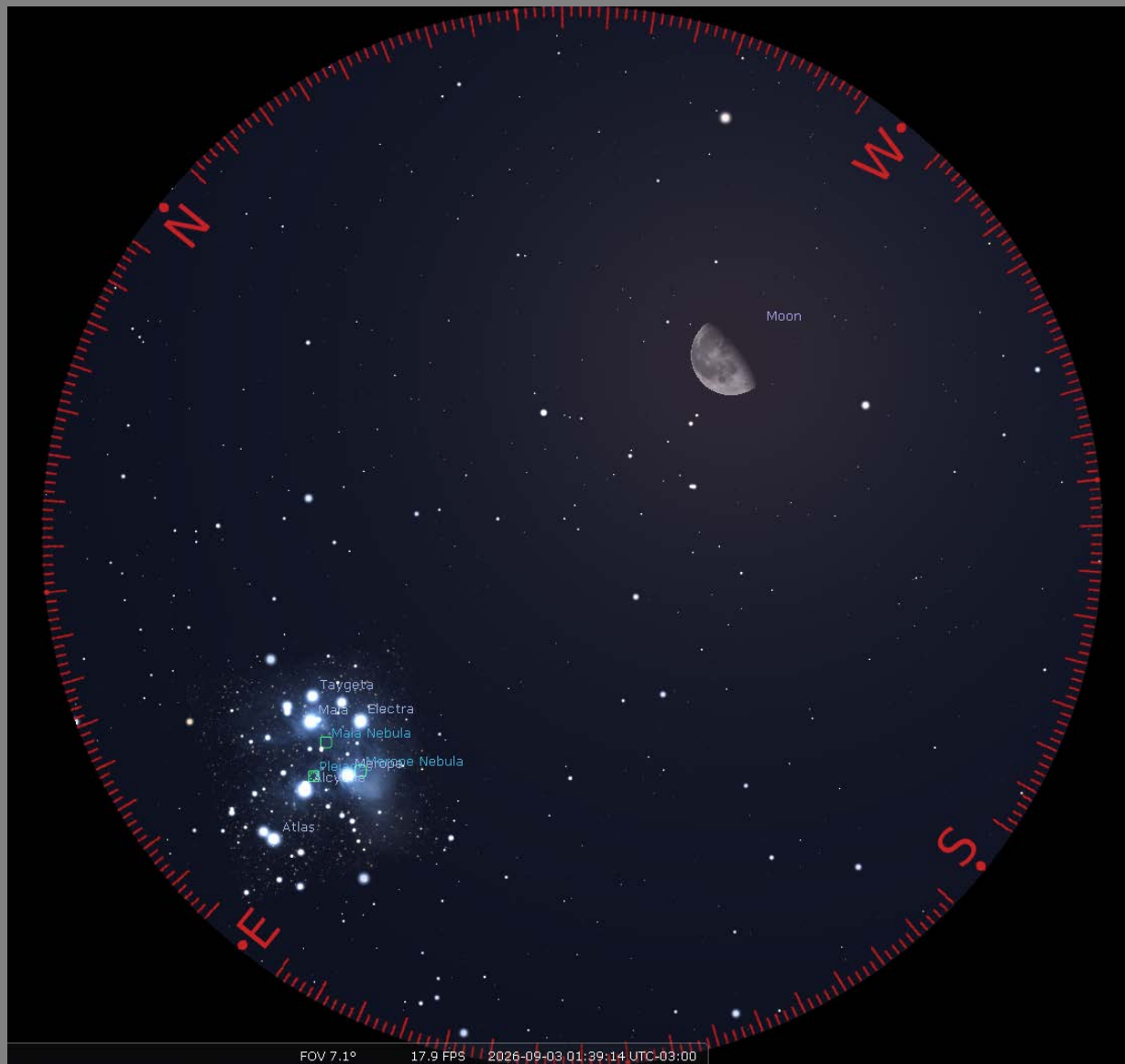
Halifax Sept 30



The Moon This Month

Date	Phase	English	Mi'kmaq
Sept 3	Moon near the Pleiades (M45)		
Sept 4	<i>Last Quarter</i>	Berry Ripening	<u>Kisikewiku's</u>
Sept 6	Moon at perigee (368,300 km)		
Sept 6, 7	Moon near Mars		
Sept 8	Moon near Jupiter and M44		
Sept 11	<i>New Moon</i>	Mate Calling	<u>Wikumkewiku's</u>
Sept 13, 14	Moon near Venus		
Sept 18	<i>First Quarter</i>		
Sept 19	Moon at apogee (404,200 km)		
Sept 26	<i>Full Moon</i>		
Sept 26	Moon near Saturn		
Sept 30	Moon near the Pleiades (M45)		

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



3 September at 1:30 a.m.
View with 7x50 binoculars (FOV 7.1°)



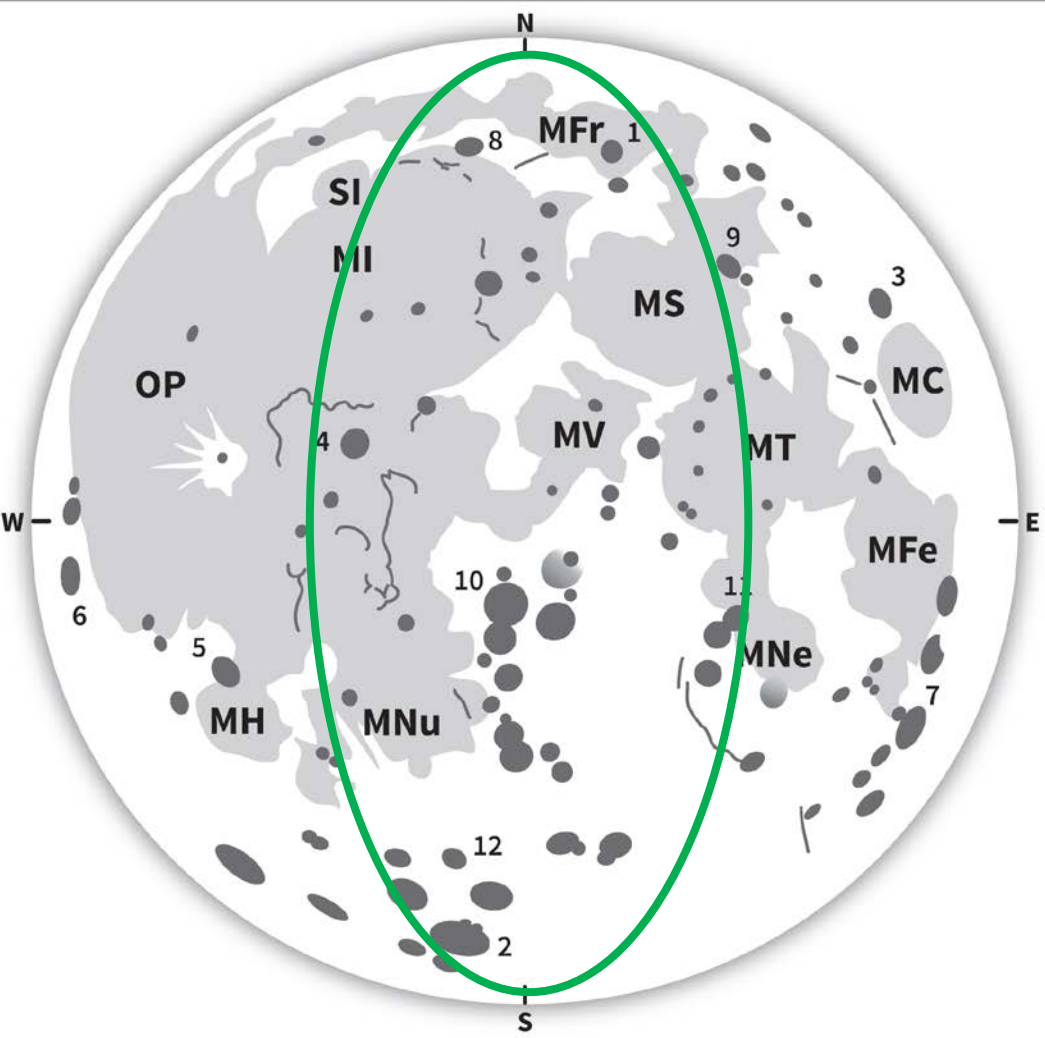
8 September at 5:30 a.m.
View with 7x50 binoculars (FOV 7.1°)

challenge



30 September at 9:30 p.m.

View with 7x50 binoculars (FOV 7.1°)



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

September 16-20

The Moon in

Explore the Universe

observe 3 of each in binoculars⁸

CRATERS

1. Aristoteles

2. Clavius

3. Cleomedes

4. Copernicus

5. Gassendi

6. Grimaldi

7. Petavius

8. Plato

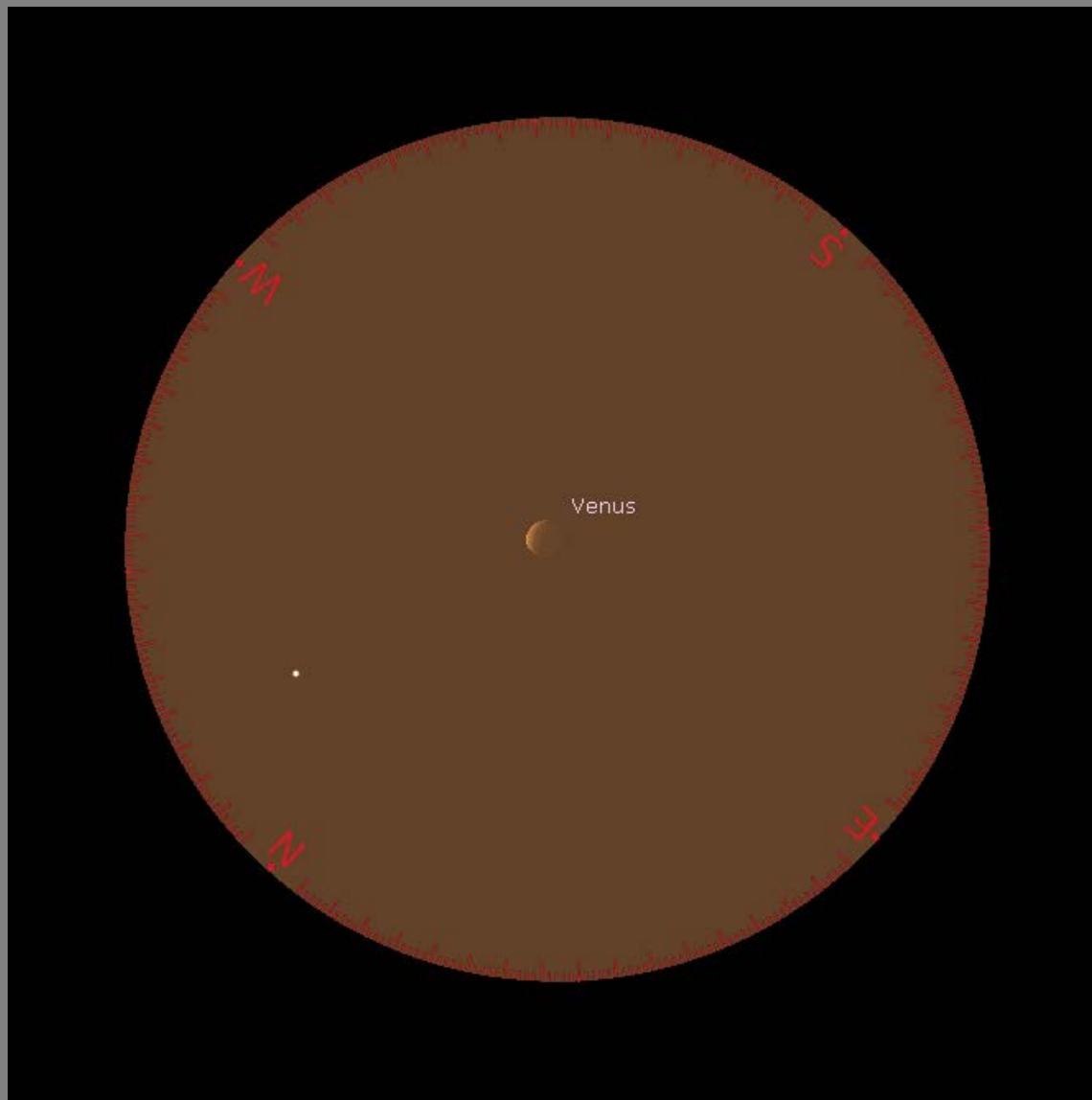
9. Posidonius

10. Ptolomaeus

11. Theophilus

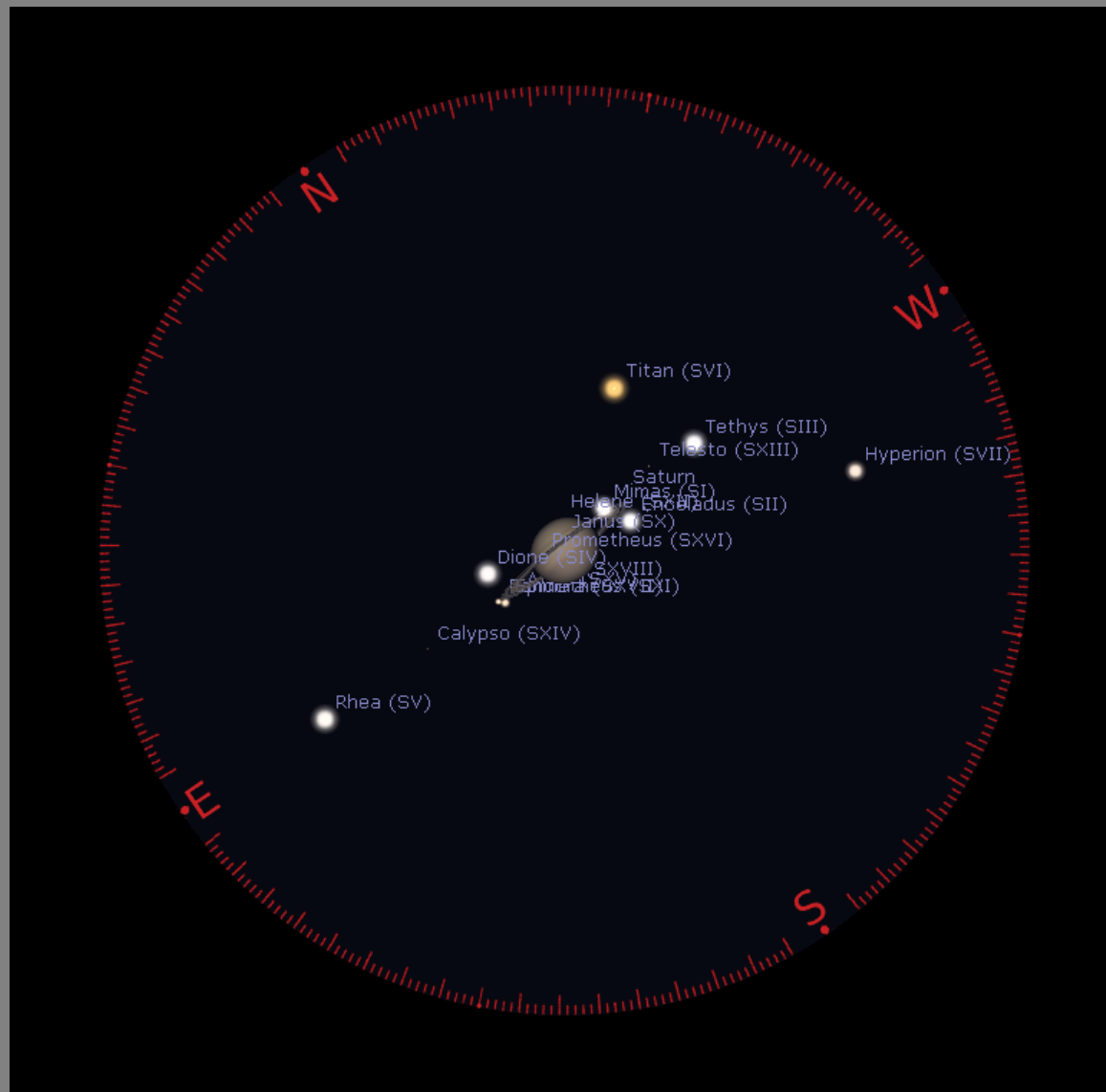
12. Tycho

challenge



14 September at 8:00 p.m.
6mm Plossl at f/12.7

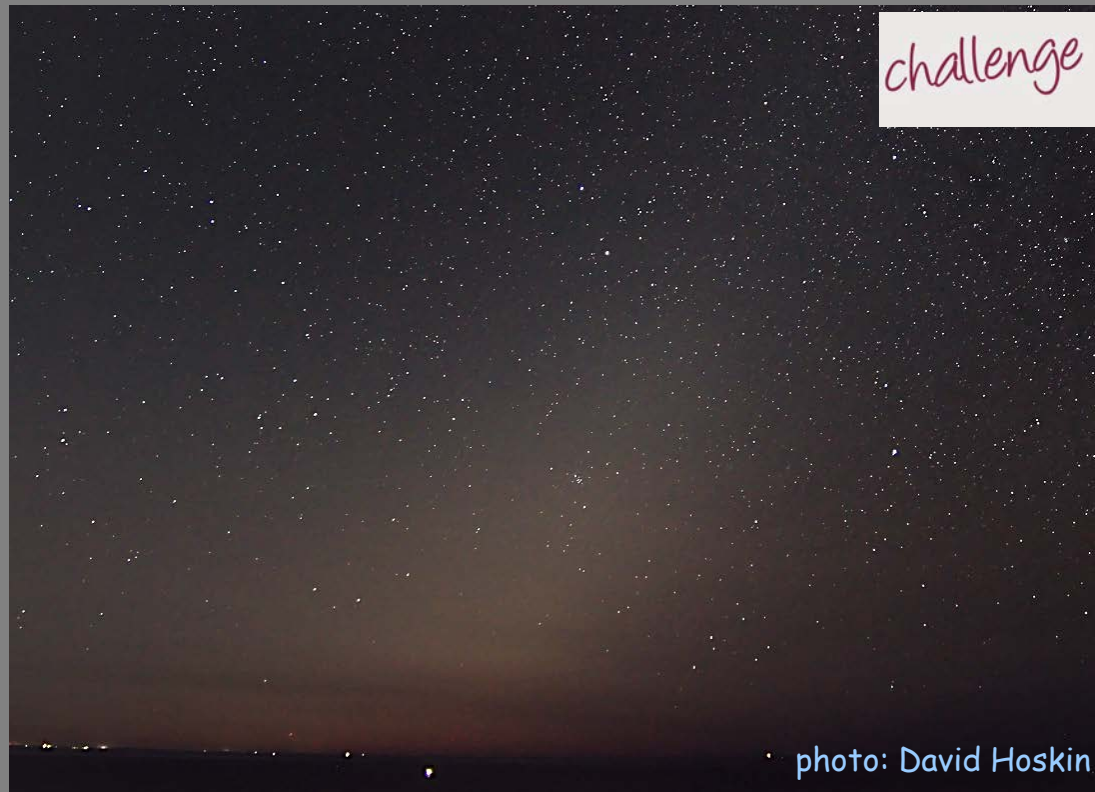
challenge



22 September at 11:00 p.m.
5mm Plossl at f/8.3

Zodiacal Light

- pyramid of light in the western sky just after the end of twilight (February, March) or in the eastern sky just before the start of morning twilight (September, October)
- best seen when the ecliptic is at a high angle relative to the horizon
- requires a moonless sky (September 10 to 24) and dark observing site
- dust concentrated in the plane of the ecliptic and towards the Sun reflects sunlight





Explore the

Universe:

Autumn

Constellations

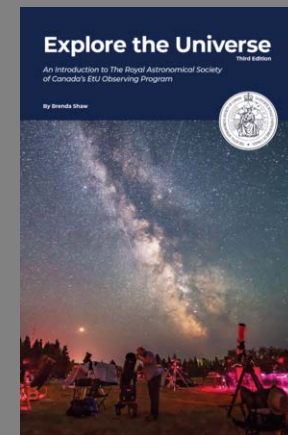
Pegasus

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 Syn Scan alignment

Explore the Universe: Autumn Deep-Sky Objects

The Double Cluster

Open star clusters NGC 869
and NGC 884 in Perseus
Visible to the unaided eye

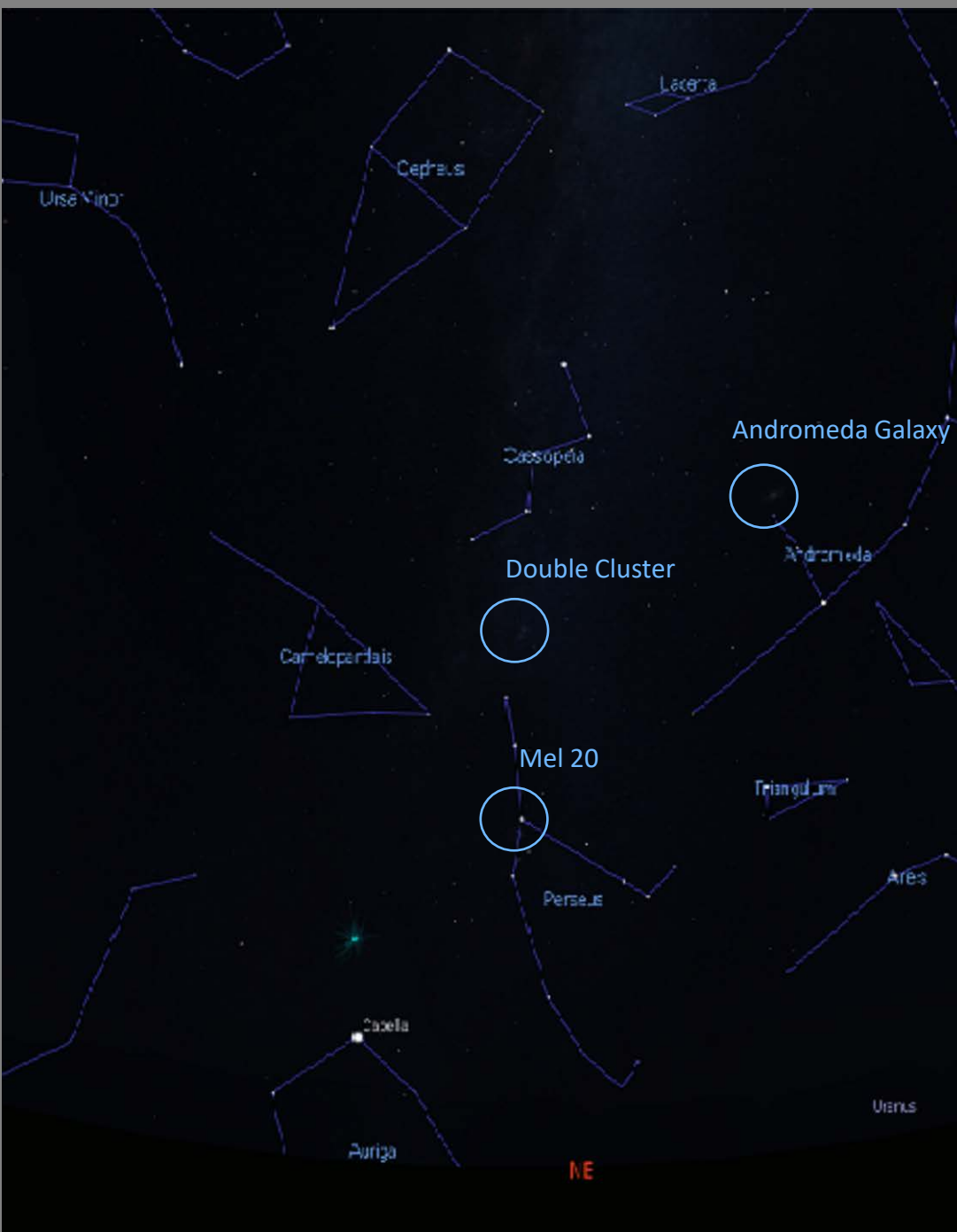


photo: David Hoskin

Explore the Universe: Autumn Double Star

16 Cygni A and B (6.0, 6.2, 40")

Located near Iota and Theta Cygni

Yellow dwarf stars 69 LY from Earth

An exoplanet orbits 16 Cygni B



photo: en.wikipedia.org

Questions?

observing@halifax.rasc.ca

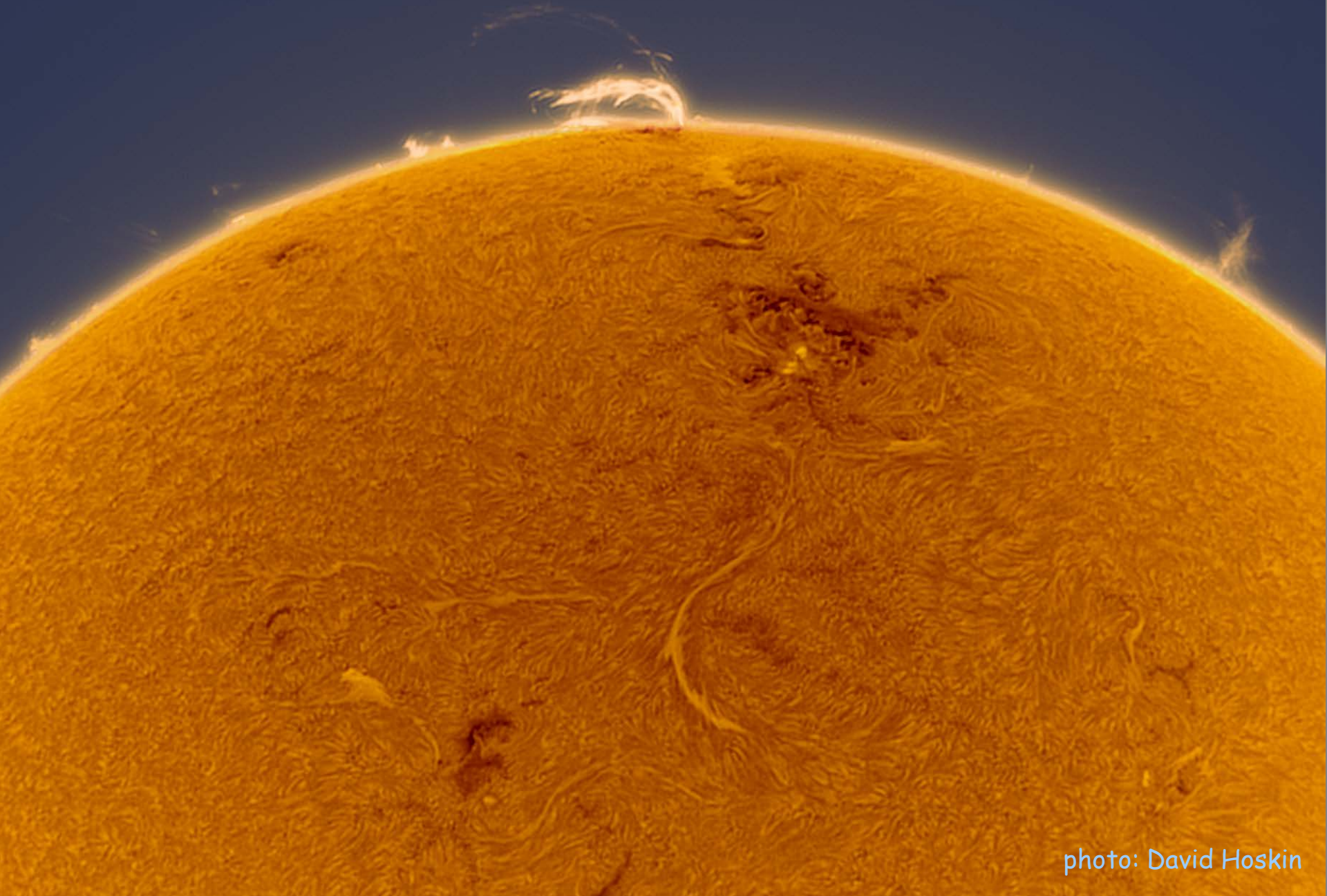


photo: David Hoskin