

What's Up?

February 1-29, 2020

made with the RASC Observer's Handbook and SkySafari®

photo: Dan Falk (Easter Island)



The Sun This Month

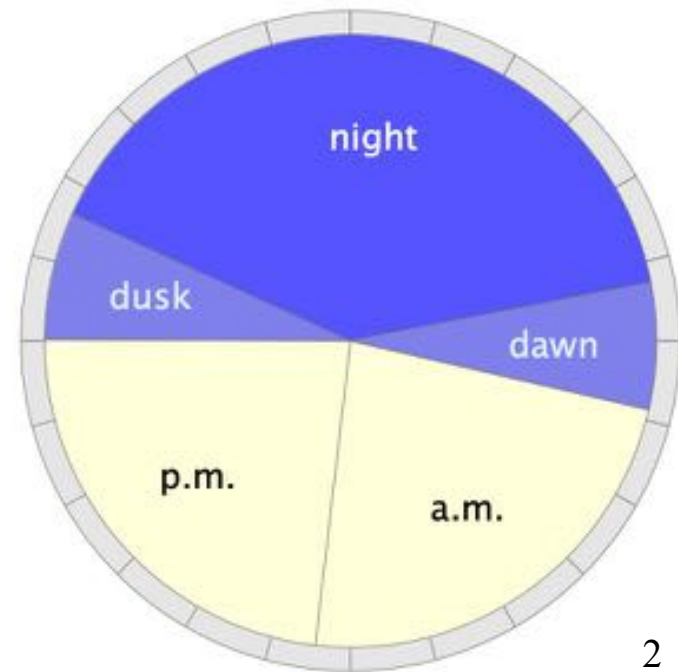
[Solar Activity](#)

Date	Sunset	Dusk End	Darkness	Dawn Start	Sunrise	“Noon”	Sunlight	Max Altitude
Feb 1	5:22 p.m.	7:02 p.m.	10 ³ / ₄ h	5:53 a.m.	7:33 am	12:27 p.m.	9 ³ / ₄ h	28°
Feb 29	6:01 p.m.	7:38 p.m.	10 ¹ / ₄ h	5:15 a.m.	6:52 am	12:26 p.m.	11 ¹ / ₄ h	38°

Halifax Feb 01



Halifax Feb 29

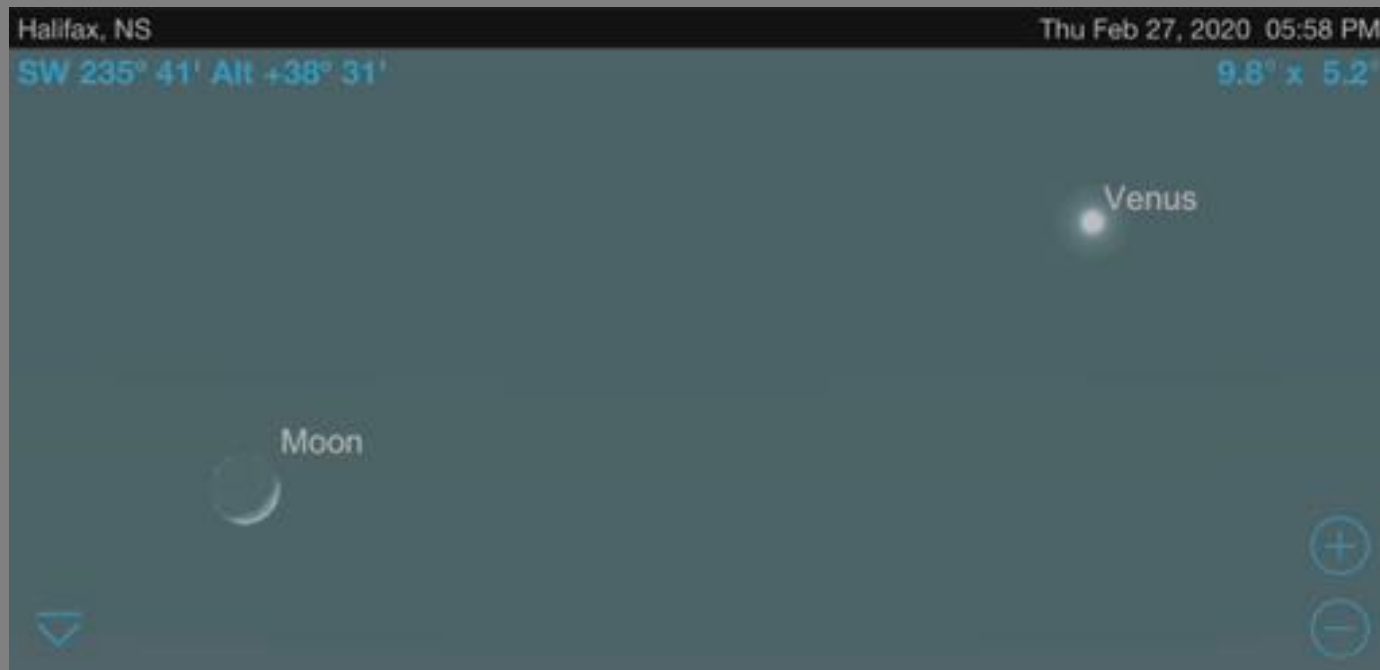


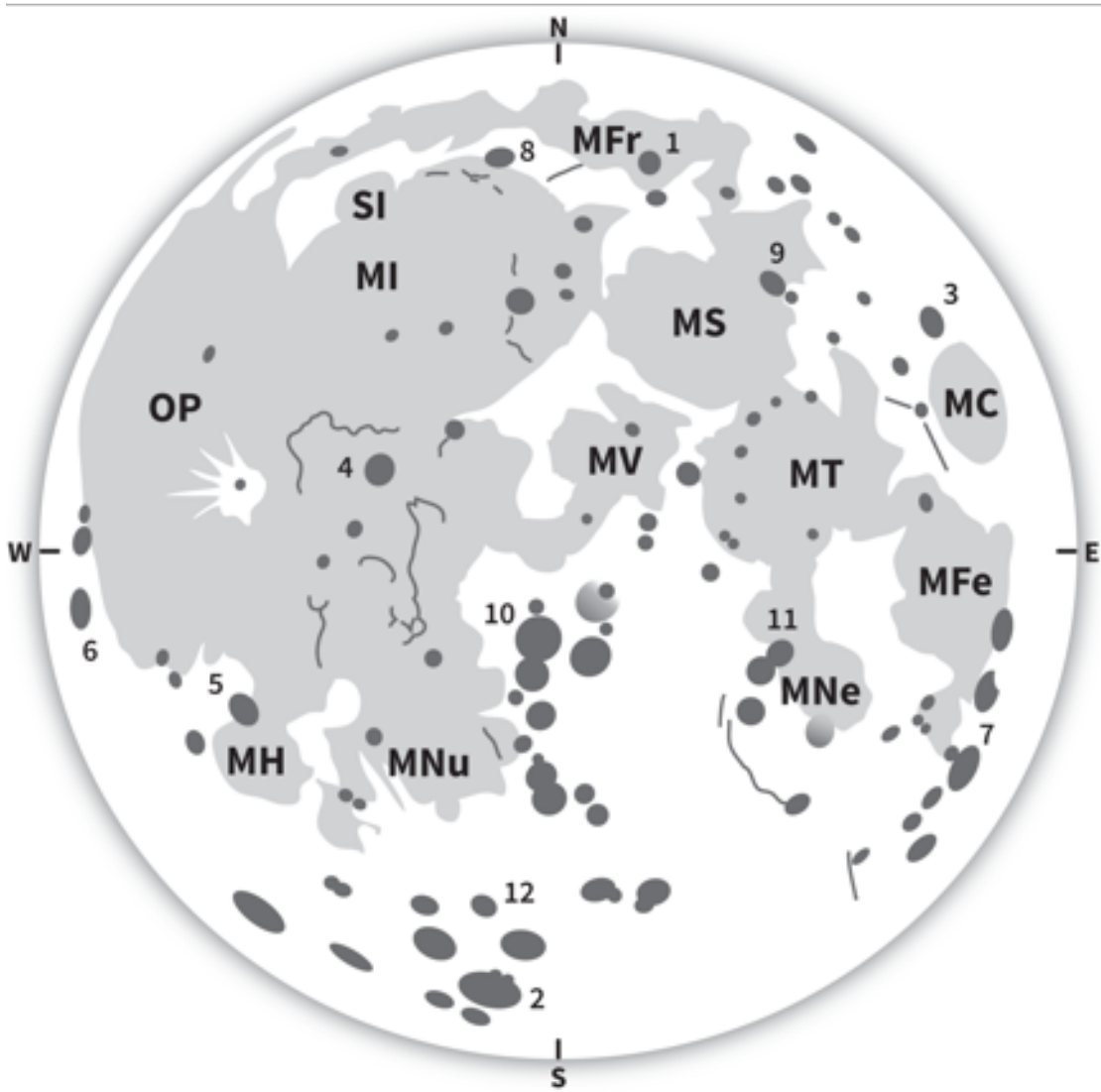
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[YouTube: RASC Halifax](#)

The Moon This Month

Date	Phase	English	Mi'kmaq
Feb 1	First Quarter		
Feb 8/9	Full Moon	Snow-Blinding	<u>Apuknajit</u>
Feb 15	Last Quarter		
Feb 18	Crescent Moon & Mars		
Feb 23	New Moon	Maple Sugar	<u>Siwkewiku's</u>
Feb 27	Crescent Moon & Venus		





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

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

The Moon in

Explore the Universe

observe 3 of each in ⁴binos

The Planets in January

Mercury -Greatest Elongation East on Feb 10 (18°)

- look for ~5 days either side
- lower than 12° above horizon
- may need binos (mag. -0.5)

Venus -high in SW (mag. -4.1)
-best apparition since 2012
-near Moon Feb 27 at sunset

Mars -mag. 1.2 morning object
-conjunction with Moon Feb 18

Uranus -in Aries all year
-east of Venus in evening sky
-mag. 5.8

Zodiacal Light

- in west, Feb 11 (2 weeks)
- needs dark sky

~~Jupiter Saturn Neptune~~

Halifax, NS Mon Feb 10, 2020 06:05 PM
W 248.3° Alt +7.0° 50.8° x 85.0°



challenge

*observe phases of
Venus and Mercury*

Comet PANSTARRS C/2017 T2

- circumpolar
- mag 9
- may brighten



Burke-Gaffney Observatory
Saint Mary's University
C/2017T2 in LUM2 filter (exp=240s)
Comment: C/2017T2(PANSTARRS)



Observer: Dave Chapman (@Dave17Chapman)
ID: 9821 imaged at 2020-01-31T04:55:09 UTC

observatory.smu.ca

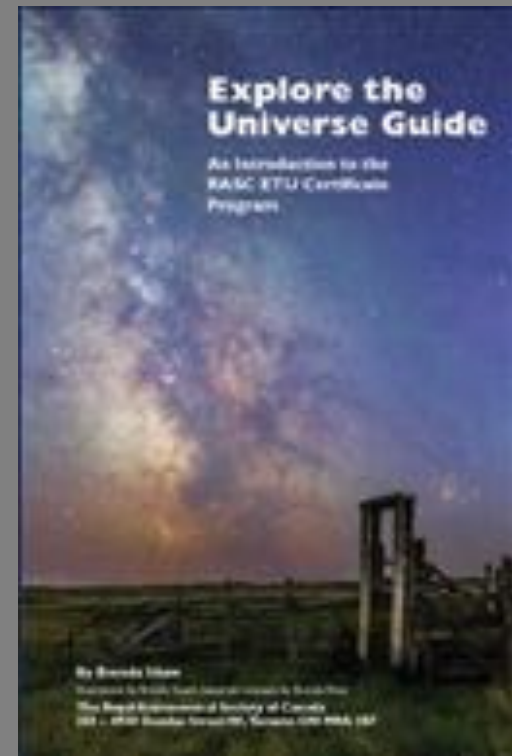


Halifax, NS

Fri Jan 17, 2020 09:00 PM



Explore the Universe: Winter Constellations



Halifax, NS

Fri Jan 17, 2020 09:00:00 PM



Explore the Universe: Winter Stars

Ranking:

#1 Sirius

#6 Capella

#7 Rigel

#8 Procyon

#10 Betelgeuse

#13 Aldebaran

#16 Pollux

Halifax, NS

Fri Jan 17, 2020 09:00:00 PM

Kemble's Cascade

Algol

M 37

Pleiades

M 35

Hyades

Orion Nebula

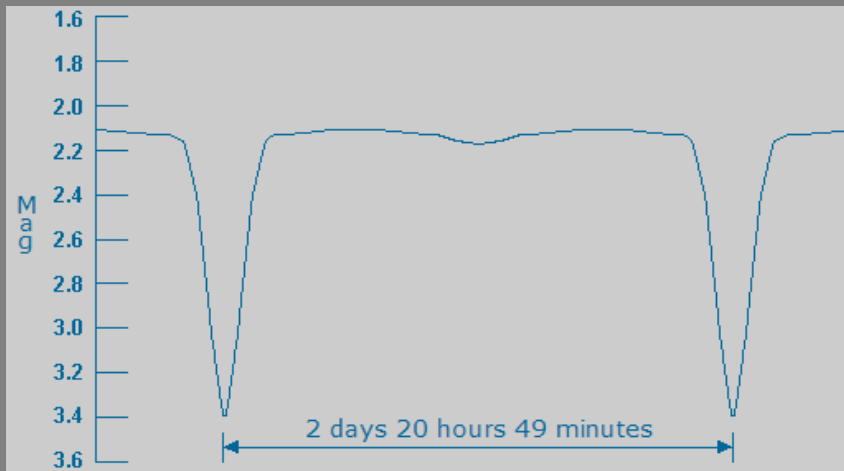
M 47

Explore the Universe: Winter Deep-Sky

challenge

Kemble's Cascade
(view in binoculars)



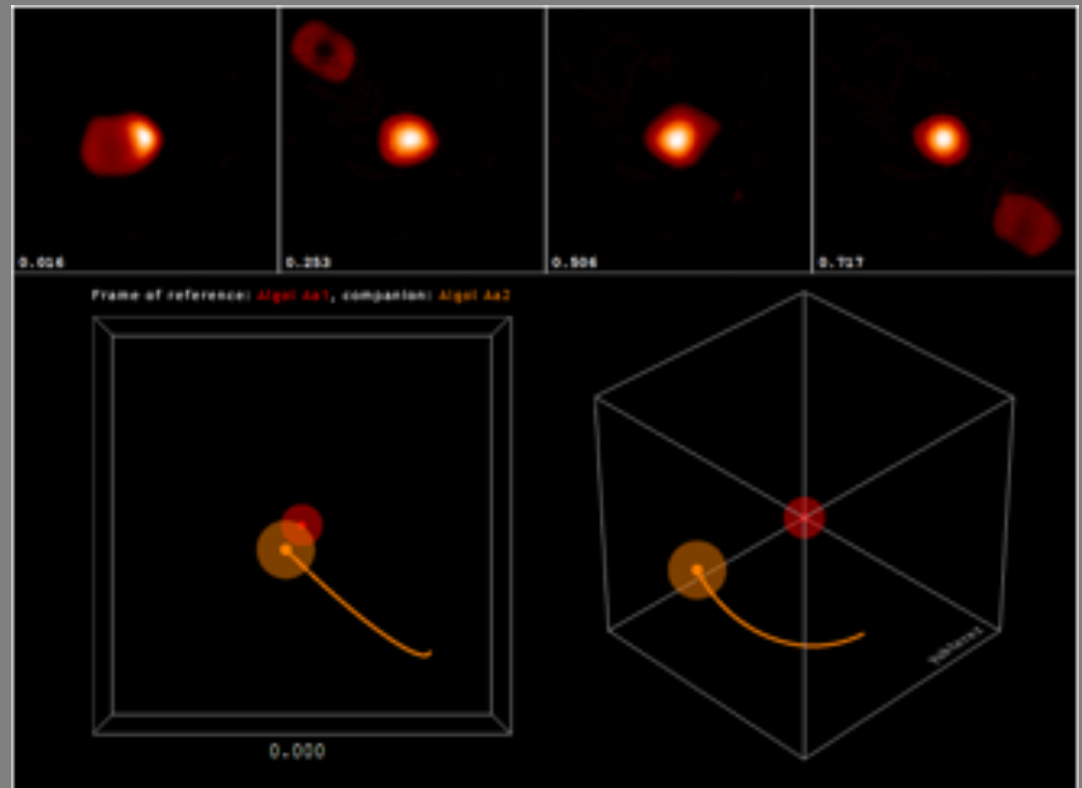
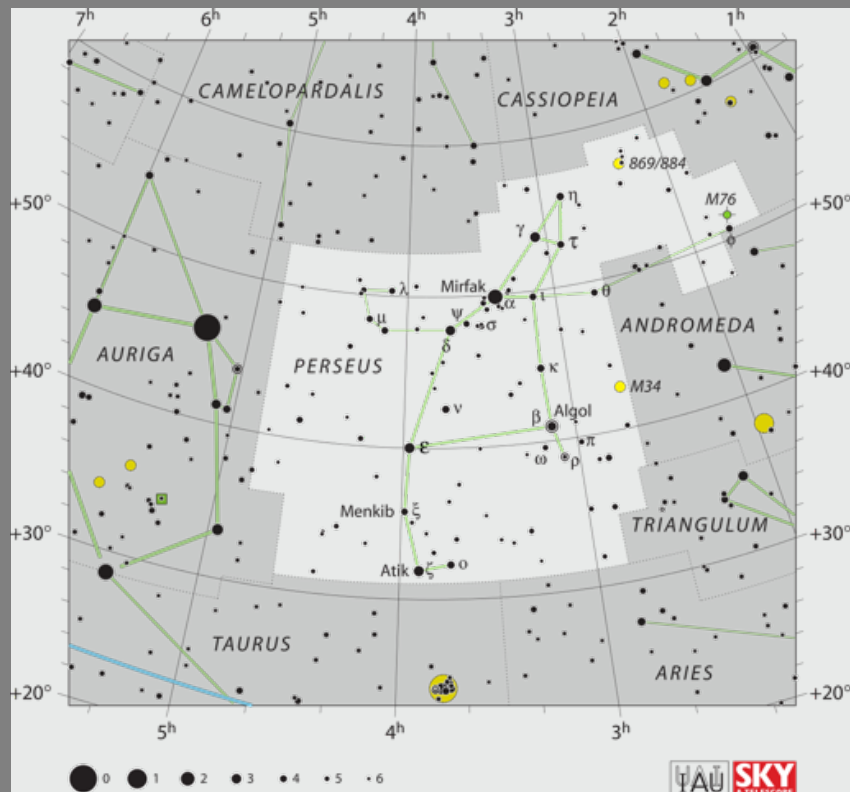


Algol (β Persei)

Feb 9 fades 6 p.m. – 11 p.m.

Feb 11 brightens 8 p.m. – 1 a.m.

challenge observe one of these



Questions?

