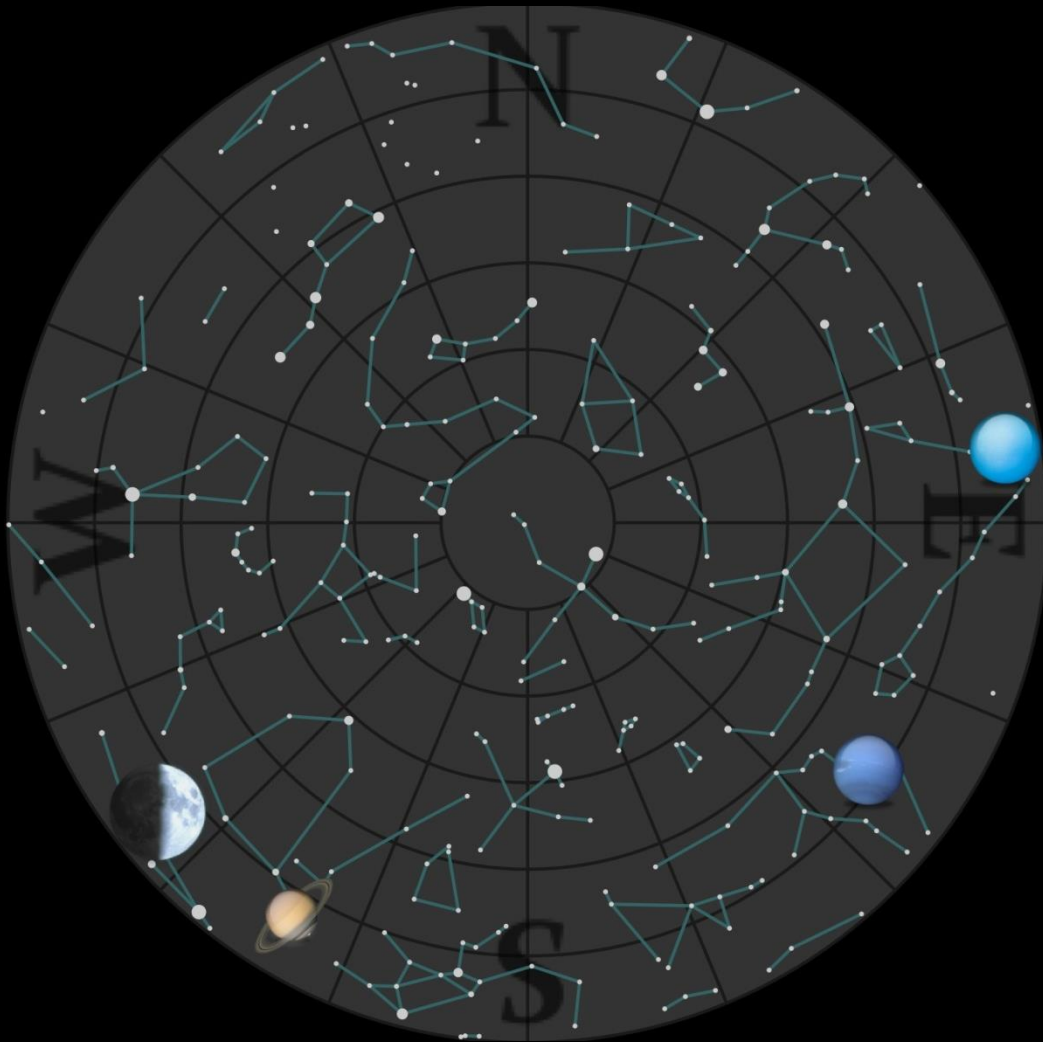


# What's Up?

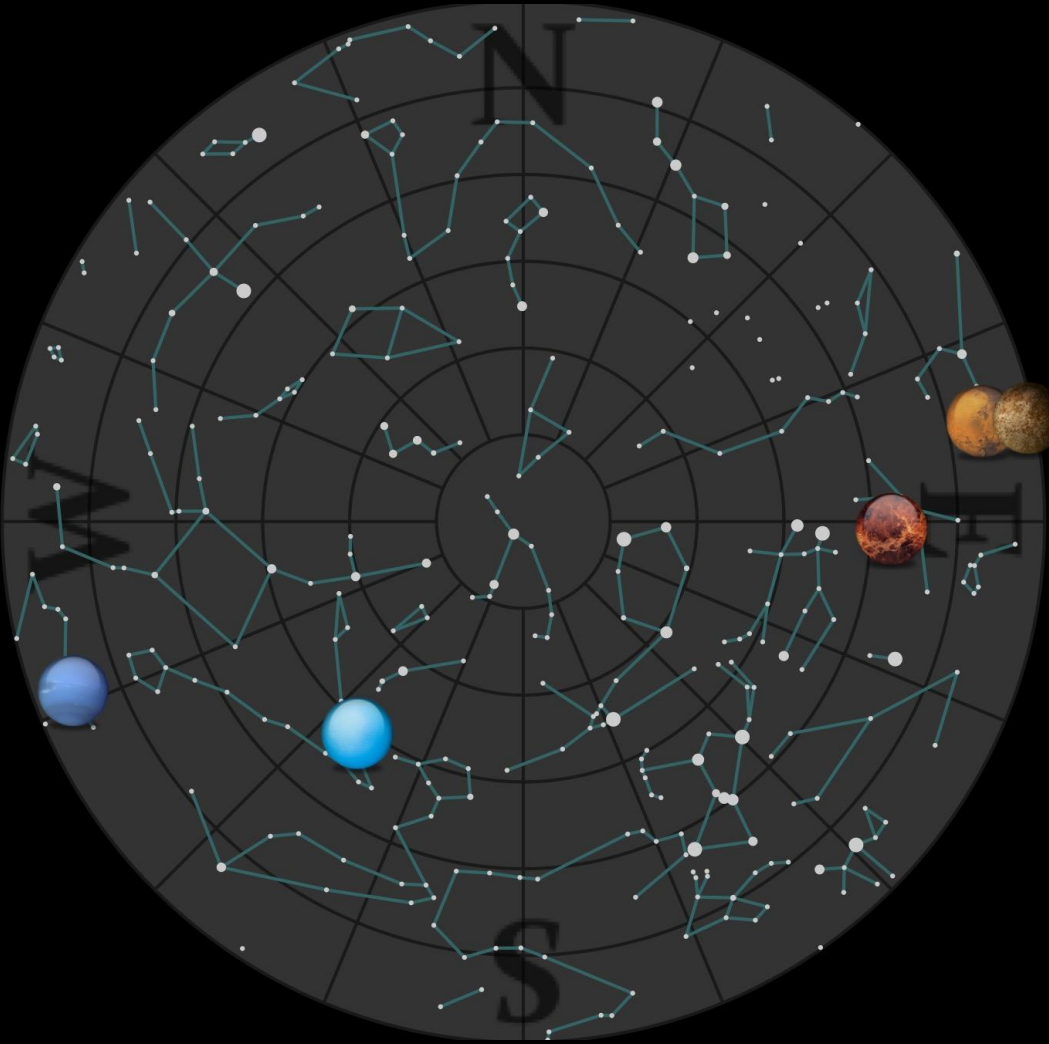
2017 October 23 to November 27

Bill Barton, FRAS

•The Sky 22:00  
Tonight



•The Sky 06:00  
Tomorrow Morning



# Inner Solar System

- Sun
  - Declination decreasing (equinox on September 22), in Gemini moving to Cancer
- Mercury
  - In the evening sky throughout this period, in Gemini then Leo
  - Maximum elongation on November 24 ( $22^{\circ}$ )
  - Brightness & phase decreasing, size increasing
- Venus
  - In morning sky, in Aries then Orion
  - Elongation decreasing, phase increasing
  - Conjunction with the Sun on January 9

# Earth

- Moon
  - First Quarter, 27 & November 26
  - Full, November 4 (Frost Moon)
  - Last Quarter, 10
  - New, 18
- Eclipses
  - None this period
- Meteors
  - Orionid stream active, November 15-30, ZHR = 20

# Lunar Occultations

- One notable event this period
  - $\alpha$  Tauri (Aldebaran)
  - November 6, 02:39, bright limb disappearance
  - November 6, 03:24, dark limb reappearance

# Outer Solar System

- Mars
  - Conjunction with the Sun (far side) was on July 27
  - In morning sky moving away from the Sun
- Jupiter
  - Conjunction with the Sun (far side) on October 26
  - Then in morning sky moving away from the Sun
- Saturn
  - South at Sun set, in Ophiuchus
  - Conjunction with the Sun (far side) on December 21
- Uranus
  - Opposition was on October 19

# Society Events

- Wednesday October 25
  - Field Trip to observe Grazing Occultation of V4190 Sagittarii
- Mondays November 13 & 27
  - NOGS, Newbourne Village Hall, 7:00pm.
- Friday November 17
  - Lecture Meeting, Methodist Chrch Hall, Black Horse Lane, Ipswich, 8:00pm, Steve Hubbard & Malcolm Brown  
"Talk with ET. We think not!"



# Other Events I

- DASH
  - International Observe the Moon Night, Saturday October 28, 7:30pm, Westleton Village Hall.
  - Discussion Meeting, Saturday November 11, 7:30pm, Westleton Village Hall, Paul Webb 'Beginners Equipment' & 'Ask the Panel'.
  - Observing Meeting, Saturday November 18, 7:30pm, Westleton Heath.
  - 'Family Moon Night', Saturday November 25, 5:00pm onwards, National Trust, Dunwich.
- LYRA
  - Observing Meeting, Tuesday October 24, 7:30pm, Barn Car Park, Coach House Hotel, Oulton
  - Lecture Meeting, Tuesday November 14, Coach House Room, Parkhill Hotel, Oulton, Nikku Madhusudhan, 'Exo Planets'.

# Other Events II

- Athenæum Astronomical Association
  - Star Party, Nowton Park, Friday 27 and Saturday 28 October from 7:00pm.
  - Observing Meeting, Nowton Park, Thursday 9 and 23 November from 7:30pm.

# Other Events III

- Burlington House, Piccadilly, London
  - British Astronomical Association AGM, Wednesday October 25, 5:00pm to 8:00pm.
- Birmingham & Midland Institute, Margaret Street
  - Society for the History of Astronomy AGM & Autumn Conference, Saturday October 28, 9:30am to 5:00pm.
- Birmingham & Midland Institute, Margaret Street
  - British Astronomical Association Historical Section, Saturday November 25, 9:30am to 5:00pm
- The Cut Science Cafe, Halesworth, IP19 8BY
  - Life on Mars? Thursday October 26, 6:30pm to 9:00pm.