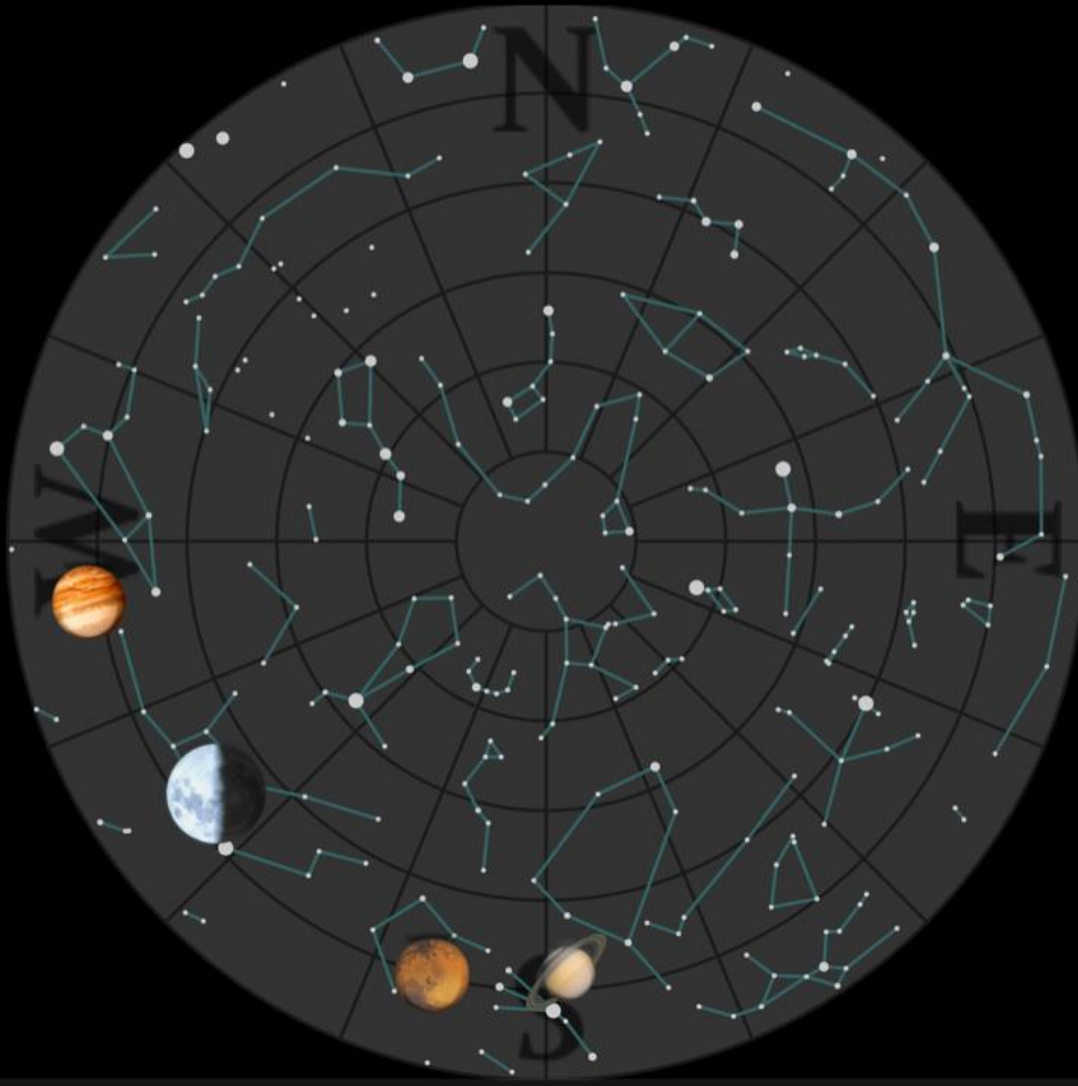


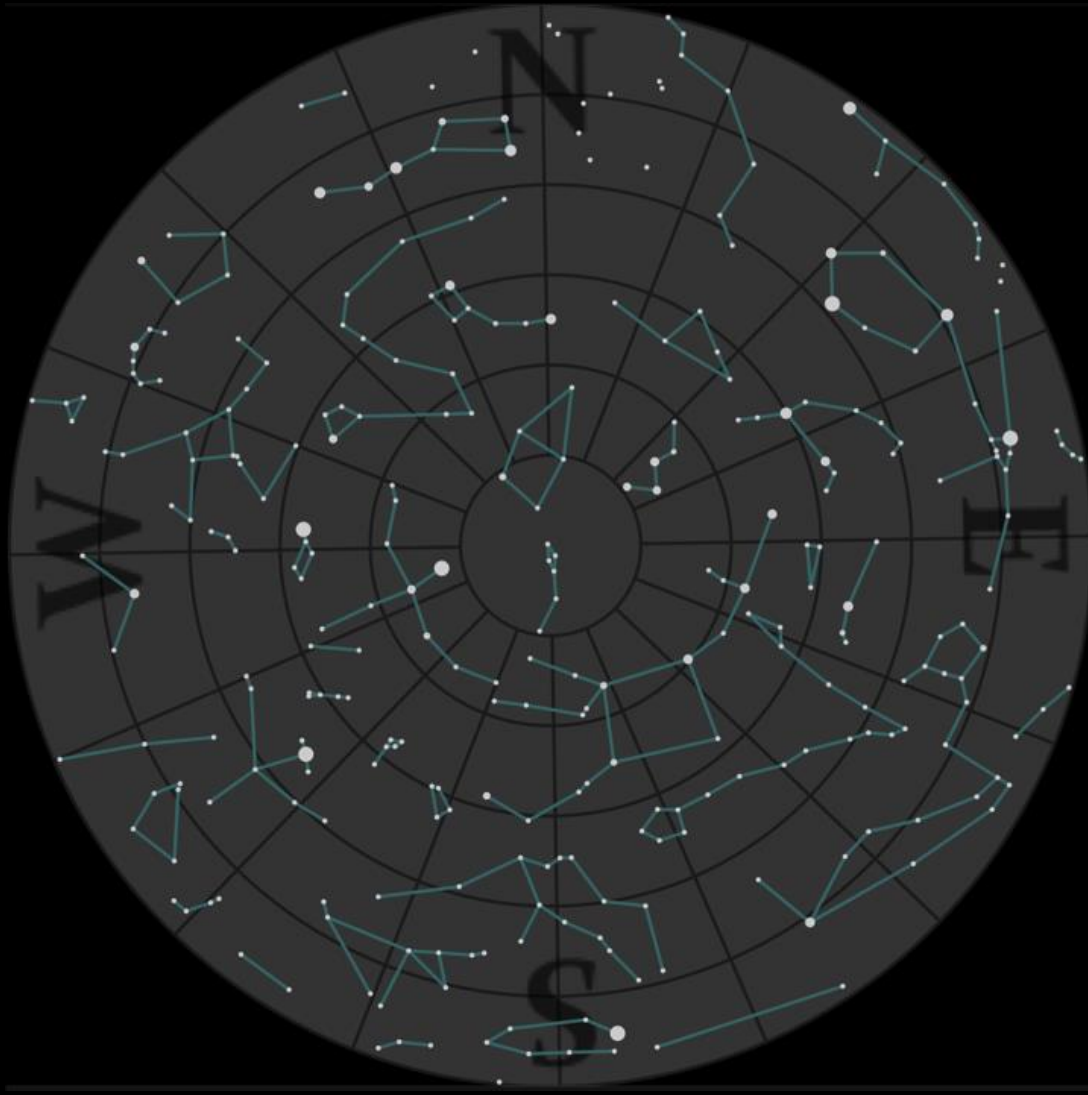
# What's Up?

2016 July 11 to August 08

Bill Barton, FRAS

- The Sky 22:00  
Tonight





- The Sky 04:00  
Tomorrow Morning

# Inner Solar System

- Sun
  - Heading South, number of sunspots decreasing
- Mercury
  - Superior Conjunction was on July 07 (far side of Sun)
  - In the evening sky this period
  - Getting fainter as elongation increases through this period
  - Greatest Eastern elongation on August 16
- Venus
  - In evening sky moving away from the Sun for the rest of this year
  - Getting increasingly easier to see

# Earth

- Moon
  - First Quarter July 12
  - Full July 19 (Buck or Thunder Moon)
  - Last Quarter July 26
  - New August 2
  - Lunar Occultations, morning of July 29, five reappearance events in Taurus. Magnitudes 3 & 4.
- Eclipses
  - None this period
- Meteors
  - Perseids, July 23 to August 20, peak on August 12, ZHR 80+?

# Outer Solar System

- Mars
  - In the sky at sunset, setting midnight UT, in Libra
- Jupiter
  - In the evening sky, in Leo, setting two hours after the sun
- Saturn
  - In the sky at sunset, setting around 01:15UT, Opposition was on June 03, in Ophiuchus

# Society Events

- BBQ
  - 16 July here at Newbourne from midday
  - Close approach of Venus and Mercury  $0.5^\circ$ , 18:00UT
- Jimmy's Farm
  - 23 & 24 July in the 'Science and Nature Zone', public opening from 11am till 6:00pm (Sat), 09:30pm (Sun)
- Holywells Park Family Day
  - 03 August from 10am