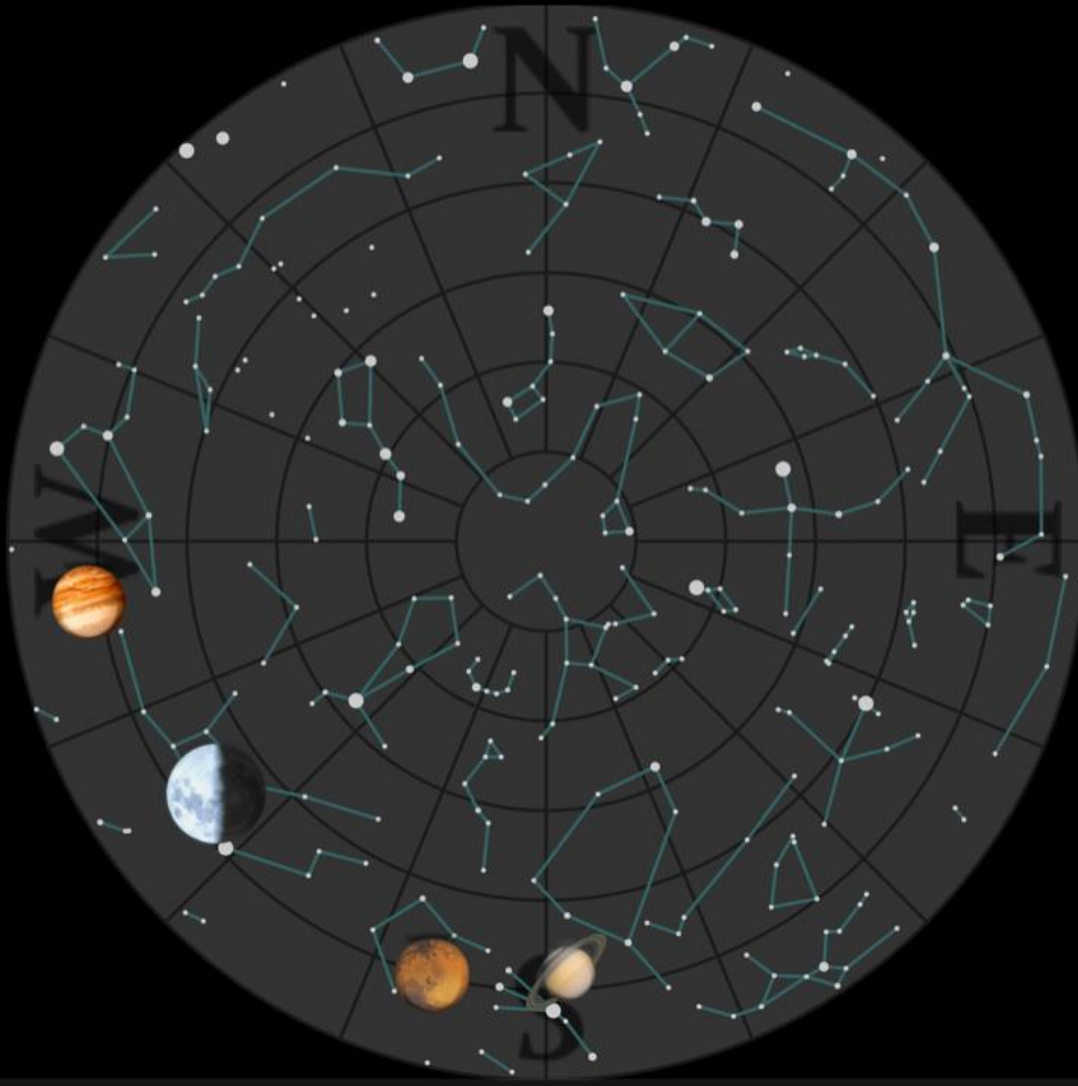


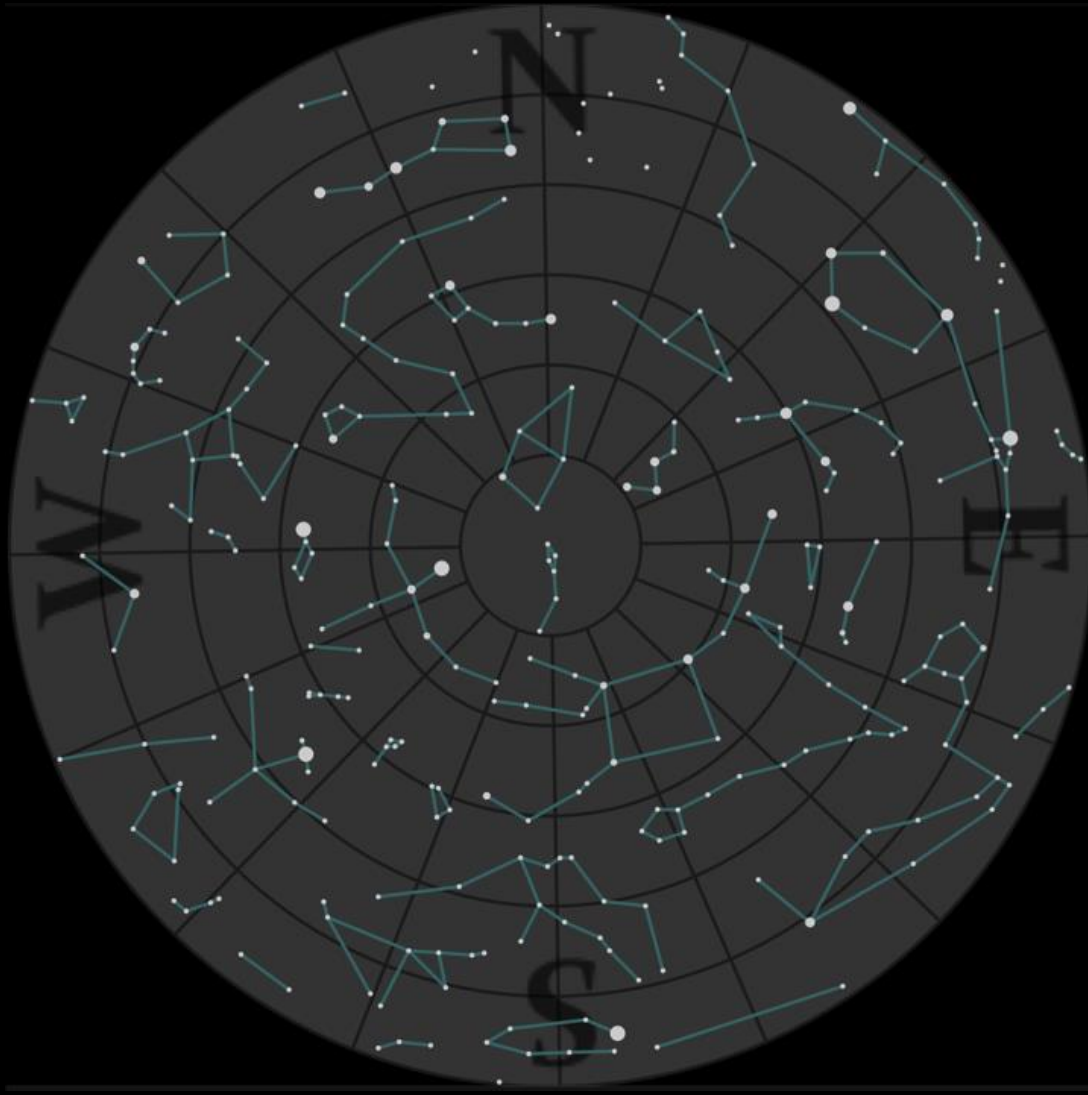
What's Up?

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° , 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