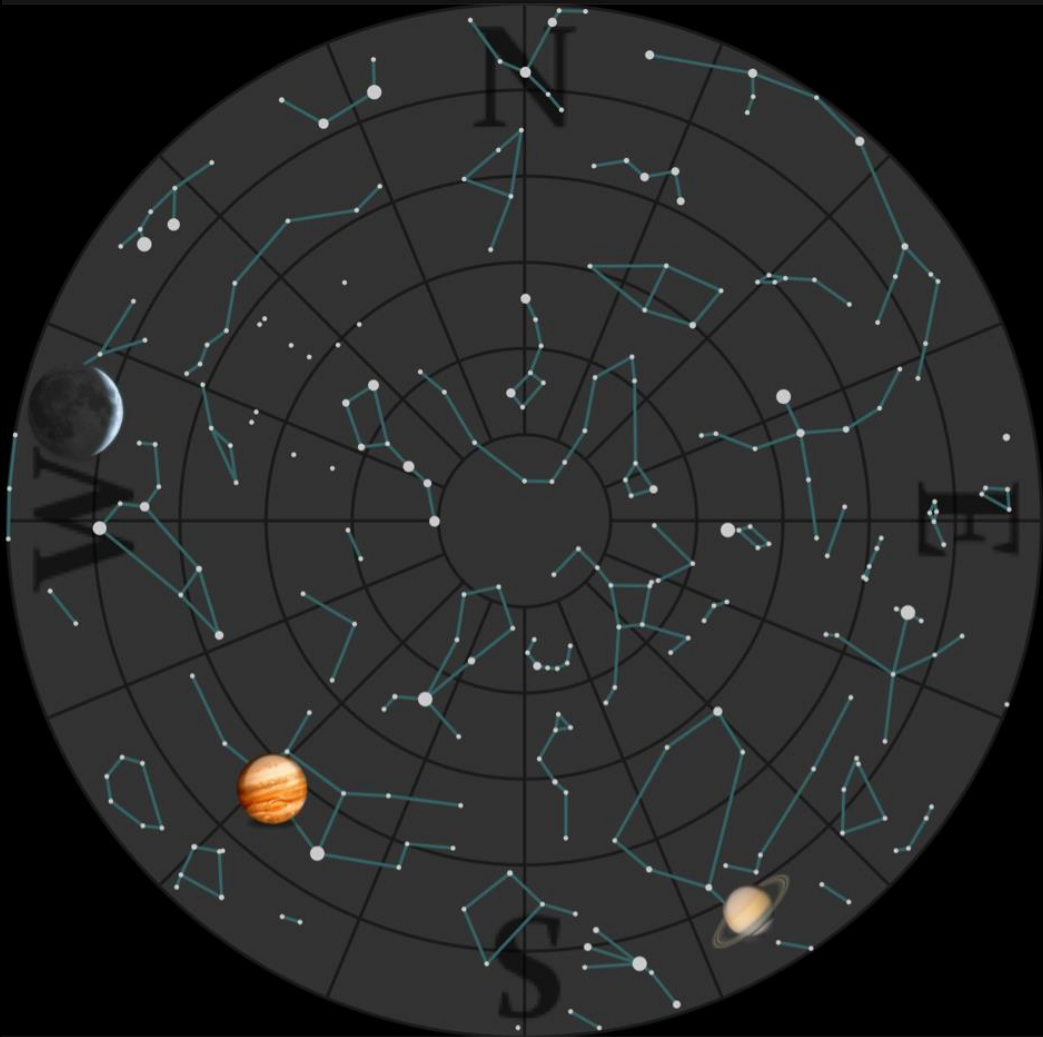


What's Up?

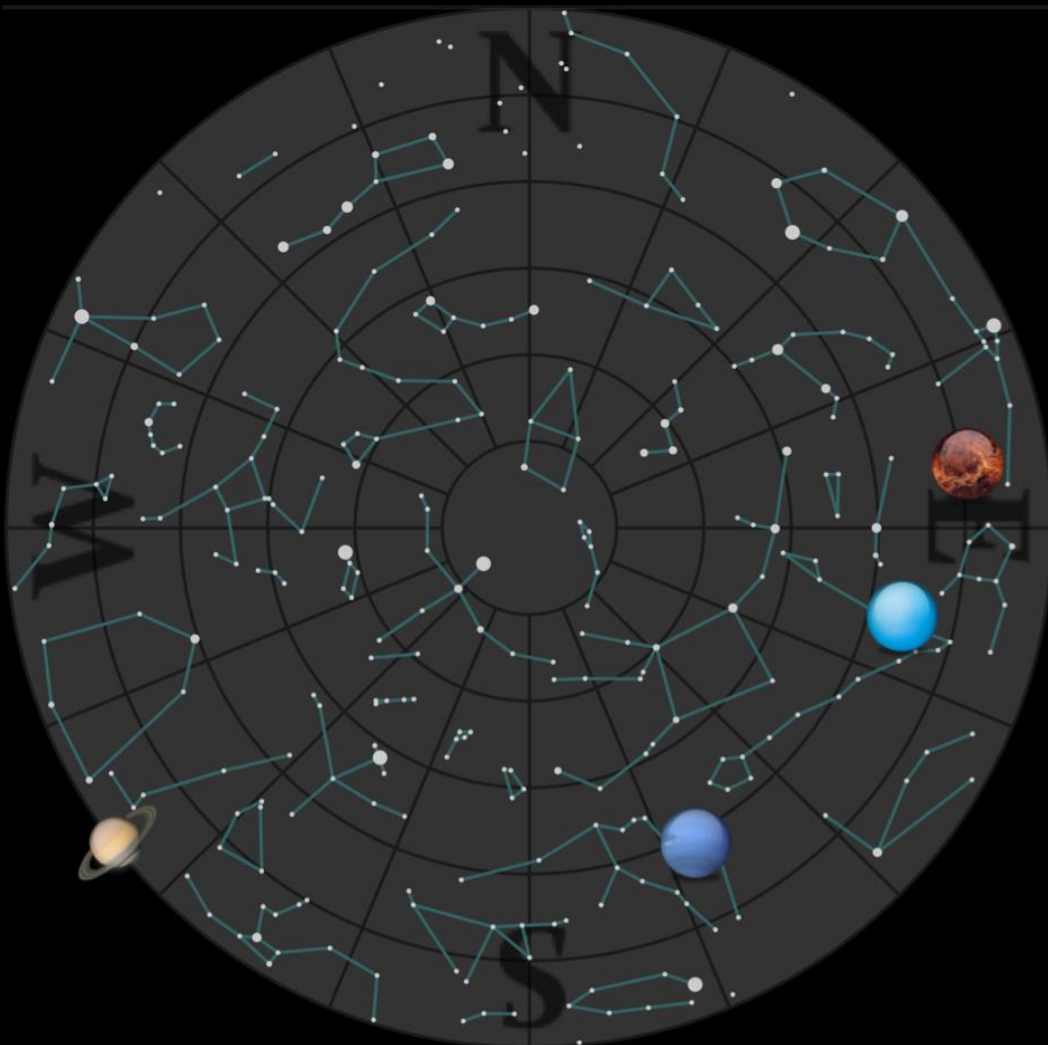
2017 June 26 to July 24

Bill Barton, FRAS

•The Sky 22:00
Tonight



•The Sky 04:00
Tomorrow Morning



Inner Solar System

- Sun
 - Declination decreasing (solstice was on June 21), in Gemini moving to Cancer
 - Aphelion (maximum distance from Sun) is on July 03, mini Sun?
- Mercury
 - In the evening sky throughout this period, in Gemini then Leo
 - Maximum elongation on July 30 (27°)
 - Brightness decreasing
- Venus
 - In Aries then Orion
 - In morning sky, phase and elongation just starting to decrease
 - Maximum elongation was on June 03 (46°)

Earth

- Moon
 - First Quarter, 1
 - Full, 9 (Hay or Thunder Moon)
 - Last Quarter, 16
 - New, 23
- Eclipses
 - None this period
- Meteors
 - δ Aquarids, July 15 - August 20, peak July 29, ZHR 20
 - Perseids, July 23 - August 20, peak August 12, ZHR 80+

Lunar Occultations

- Morning of Tuesday July 25th
- Sunrise around 05:06UT, azimuth 056^o
- Moon phase, two days past 'new'
 - rising around 06:43UT
- One object occulted this morning
- Mercury (mag +0.2, dia 7.2", ph 0.53)
 - Dark limb disappearance at around 07:33UT
 - Bright limb reappearance at around 07:54UT

Outer Solar System

- Mars
 - Theoretically in the evening sky, in Gemini moving to Cancer
 - Conjunction with the Sun (far side) on July 27
- Jupiter
 - In the evening sky, setting around midnight, in Virgo
 - Conjunction with the Sun (far side) on October 26
- Saturn
 - Rising at Sun set, in Ophiuchus
 - Opposition was on June 15
 - Conjunction with the Sun (far side) on December 21
- Pluto
 - Opposition on July 10 in Sagittarius, mag. +14.2

Society Events

- Mondays July 10 & 24
 - NOGS, Newbourne, 19:00 onwards
- Tuesday July 11
 - OASI Committee
- Saturday July 29
 - OASIfest at Waterfront Building, University of Suffolk, Ipswich, 09:00-18:00

Other Events I

- DASH
 - Solar Observation Meet, Saturday July 22, time and location TBA
- LYRA
 - Observing Meeting, Tuesday June 27 and July 25, 7:30pm, Barn Car Park, Coach House Hotel, Oulton
 - Lecture Meeting, Tuesday July 11, Coach House Room, Parkhill Hotel, Oulton. Sarah Bosman, Kavil Institute for Cosmology, Cambridge "Cosmology After The First Five Minutes"
- Athenæum Astronomical Association
 - Observing Meeting, Nowton Park, Thursday July 06 and 20 from 7:30pm

Other Events II

- 'Starfest 2017'
 - July 15, Chelmer Valley High School, Chelmsford, Essex, 09:00 - 17:00