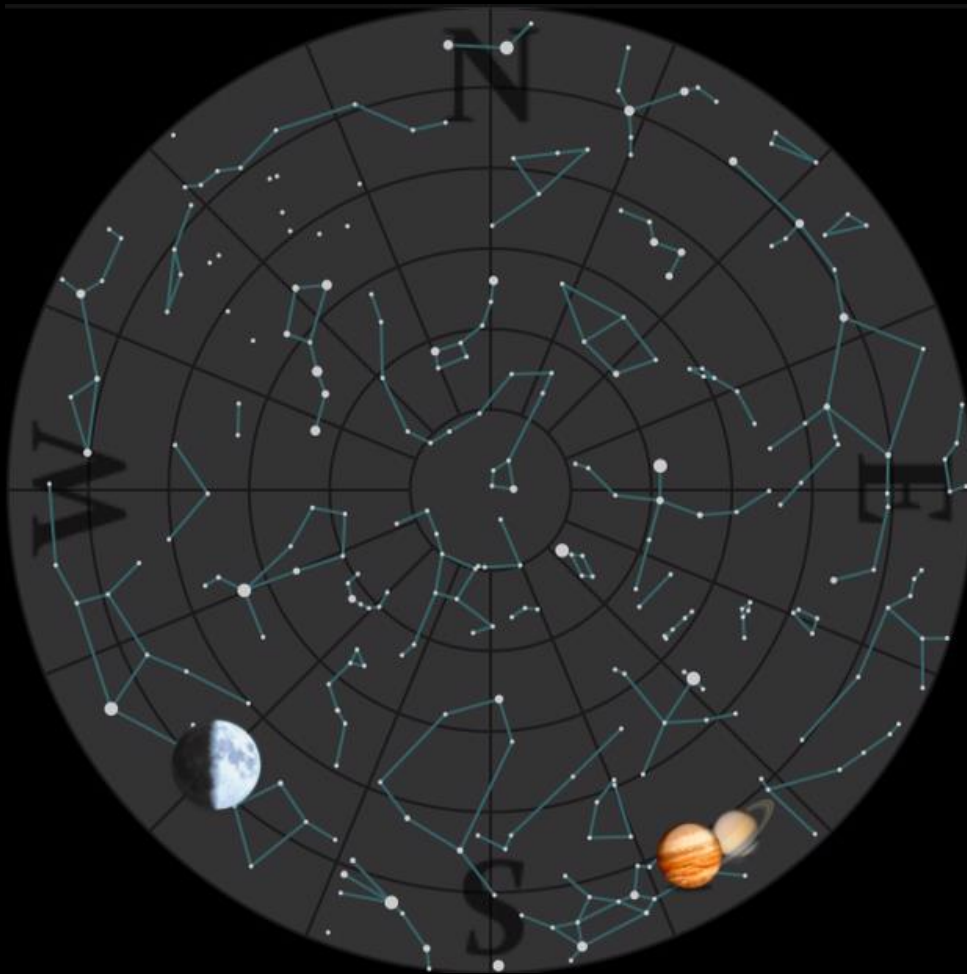


# What's Up?

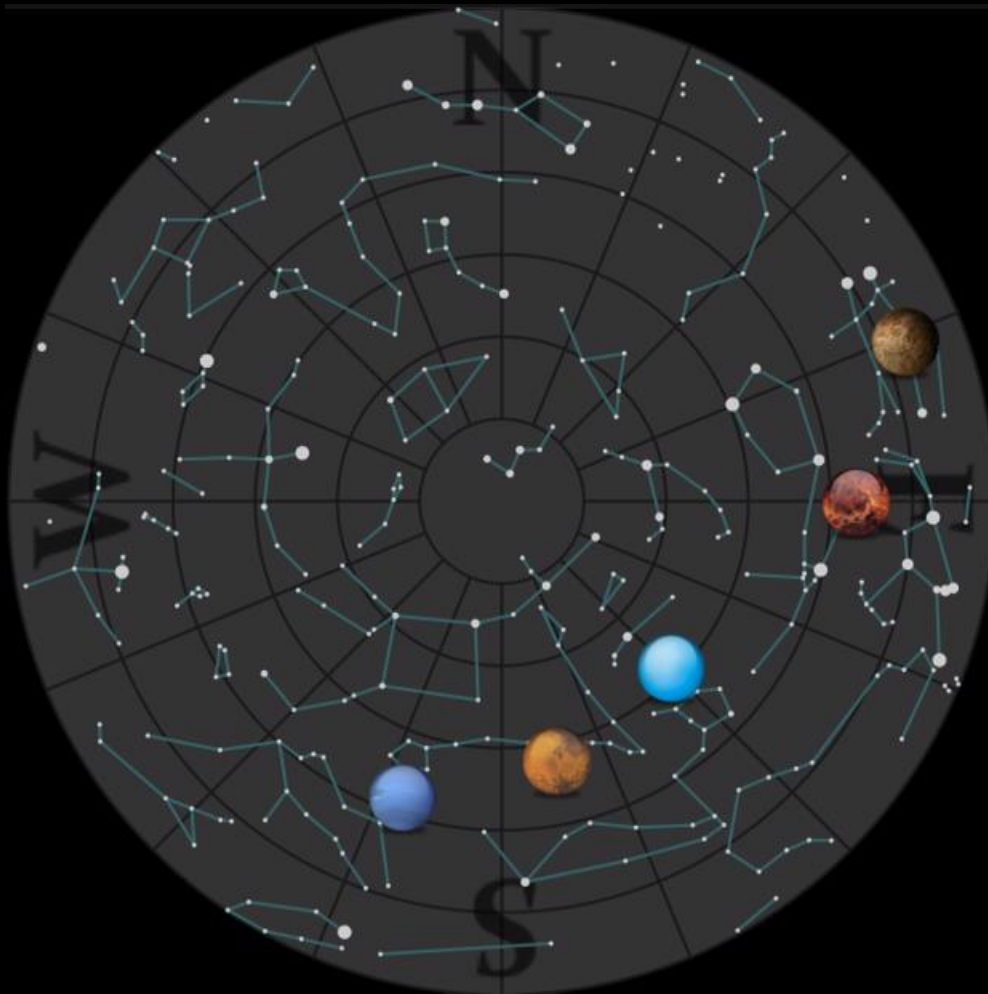
2020 July 27 to August 24

Bill Barton, FRAS

•The Sky 22:00  
Tonight







•The Sky 05:00  
Tomorrow



# Inner Solar System

- Sun
  - Declination decreasing, Equinox September 22
- Mercury
  - In morning sky, greatest elongation July 22 ( $20^\circ$  )
  - Currently good observing opportunity
  - Superior conjunction on August 17
  - Then in evening sky
  - Today, rise 03:30, transit 11:40, set 19:45
- Venus
  - In morning sky, greatest western elongation August 13 ( $46^\circ$  )
  - Today, rise 02:00, transit 09:50, set 17:40

# Earth

- Time
  - 00:00UT  $\approx$  20:20ST today
  - Today, sunrise 05:10, transit 13:00, sunset 20:50
  - End of period, sunrise 05:55, transit 12:55, sunset 20:00
- Moon
  -  First Quarter, 27
  -  Full, 03 (Sturgeon or Grain Moon)
  -  Last Quarter, 11
  -  New, 19
- Meteors
  - Perseids max August 12. max ZHR = 80+

# Occultations

- Lunar
  - Nothing specific

# Outer Solar System

- Mars
  - Opposition October 13. Today, rise 23:15, transit 05:40, set 11:55
- Jupiter
  - Opposition July 14. Today, rise 20:00, transit 00:00, set 04:00
- Saturn
  - Opposition July 20. Today, rise 22:20, transit 00:30, set 04:40
- Uranus
  - Opposition October 31. Today, rise 23:40, transit 07:00, set 14:30
- Neptune
  - Opposition September 11. Today, rise 22:15, transit 04:00, set 09:40

# Comet NEOWISE

- Perihelion, July 03, 0.3AU
- Perigee, July 23, 0.7AU
- Currently mag. 4, but fading
- No longer circumpolar



# OASI Events

- New series of web-based (Zoom) lectures
- Starting off with Professor Chris Lintott on Wednesday August 19<sup>th</sup>
- “Crowd and the Cosmos”

# Societies Events

- Physical Events Cancelled or Postponed due to Coronavirus
- Virtual Meetings or Webinars