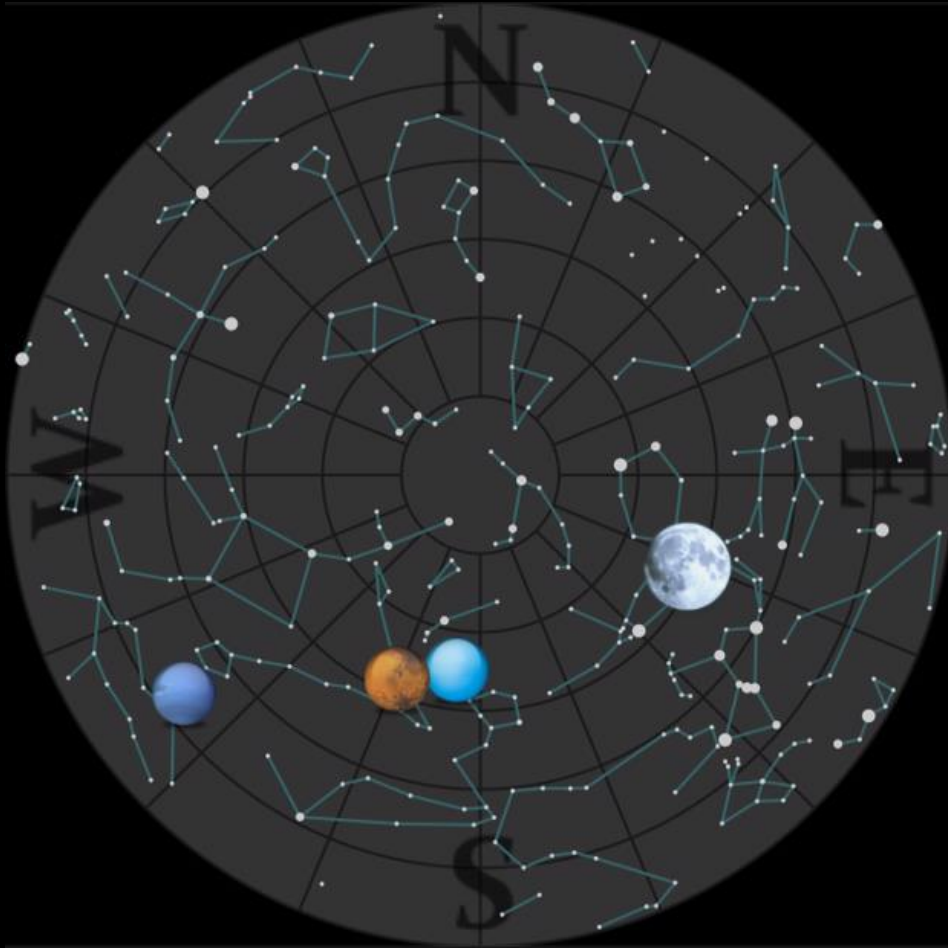


What's Up?

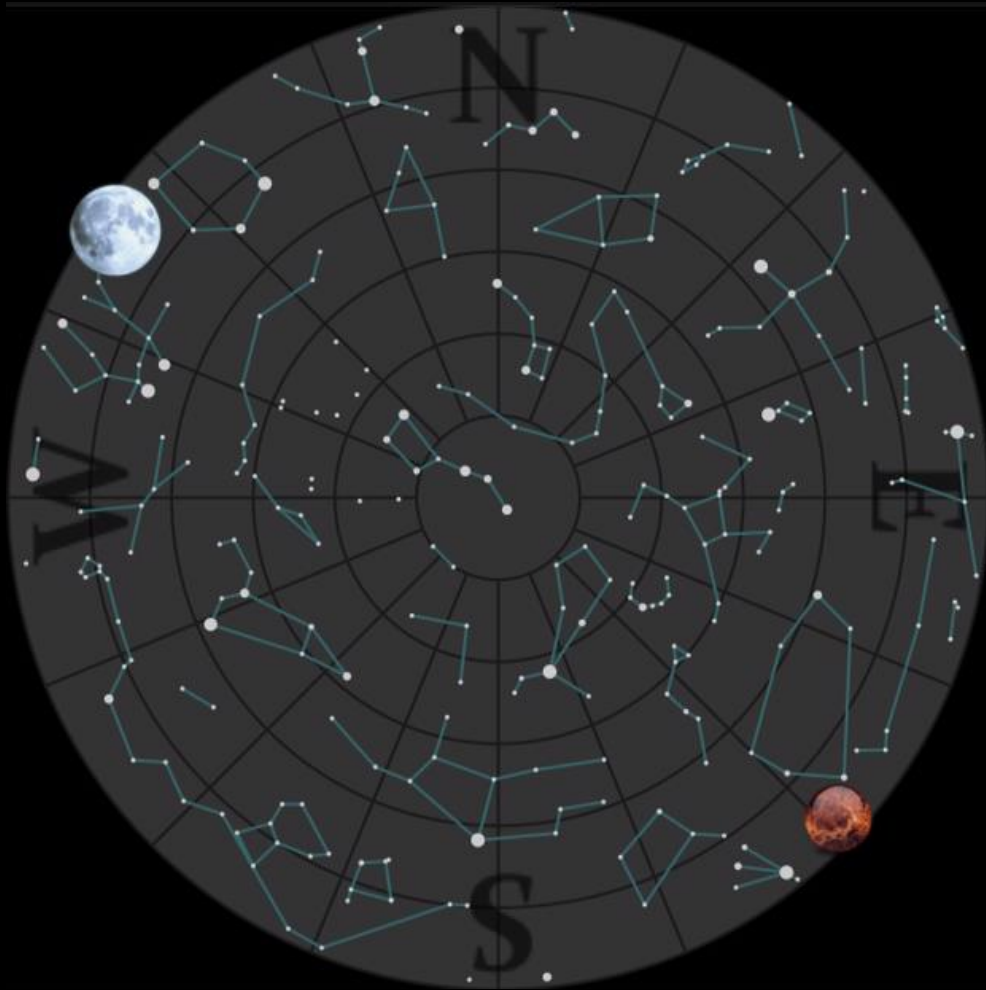
2020 December 28 to 2021 January 25

Bill Barton, FRAS

•The Sky 20:00
Tonight







•The Sky 07:00
Tomorrow



Inner Solar System

- Sun
 - Declination increasing, perihelion January 2, equinox March 20
- Mercury
 - Superior conjunction was on December 20
 - In evening sky, greatest eastern elongation January 24 (19°)
 - Today, rise 08:40, transit 12:20, set 15:55
- Venus
 - In morning sky, superior conjunction March 26
 - Today, rise 06:25, transit 10:25, set 14:25

Earth

- Time
 - 00:00UT \approx 06:25ST today
 - Today, sunrise 08:05, transit 11:55, sunset 15:45
 - End of period, sunrise 07:45, transit 12:05, sunset 16:25
- Moon
 -  Full, 30 (Cold or Long Night Moon)
 -  Last Quarter, 06
 -  New, 13
 -  First Quarter, 20
- Meteors
 - Quadrantids, ZHR = 80+, December 28-January 12, peak 3rd

Occultations

- Lunar
 - none of note

Outer Solar System

- Mars
 - Solar conjunction October 8. Today, rise 12:00, transit 18:00, set 02:00
- Jupiter
 - Solar conjunction January 29, opposition August 20. Today, rise 09:30, transit 13:45, set 17:55
- Saturn
 - Solar conjunction January 24, opposition August 2. Today, rise 09:30, transit 13:40, set 17:50
- Uranus
 - Solar conjunction April 30, opposition November 4. Today, rise 12:30, transit 19:25, set 03:00
- Neptune
 - Solar conjunction March 11, opposition September 14. Today, rise 11:10, transit 16:45, set 22:20

2021 Look Ahead

- April 22
 - Mars Occults TYC 1867-00968-1 (mag 9.8)
- May 26
 - Total Lunar Eclipse (not UK)
- June 10
 - Annular Solar Eclipse (partial from UK, $\approx 25\%$)
- June 28
 - Saturn Occults TYC 6349-00492-1 (mag 10.2)
- November 19
 - Partial Lunar Eclipse (Moon sets in eclipse from UK)
- December 04
 - Total Solar Eclipse (Antarctica)

OASI Events

- Workshop
 - "Galaxy Collisions"
 - Paul Whiting
 - 8:00pm, Monday January 11
- Annual General Meeting
 - 8:00pm, Saturday January 16
- Presentation
 - Multi-Messenger Astronomy
 - 8:00pm, Monday January 25

Societies Events

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