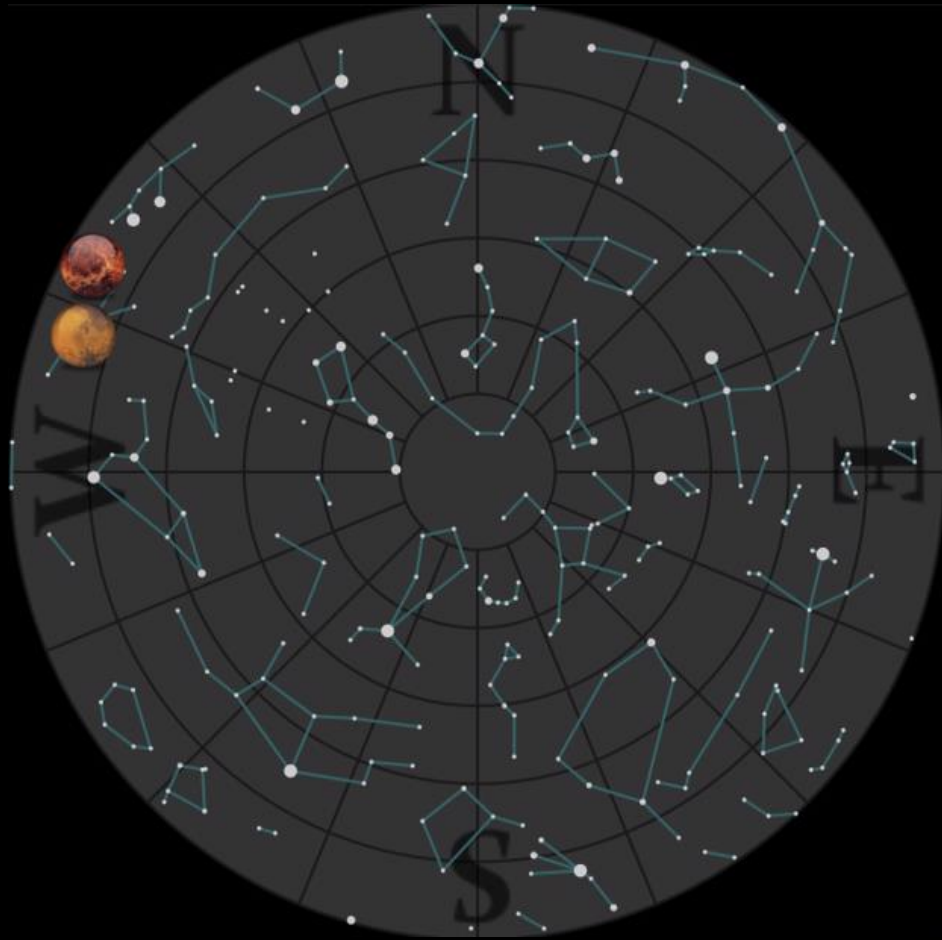


What's Up?

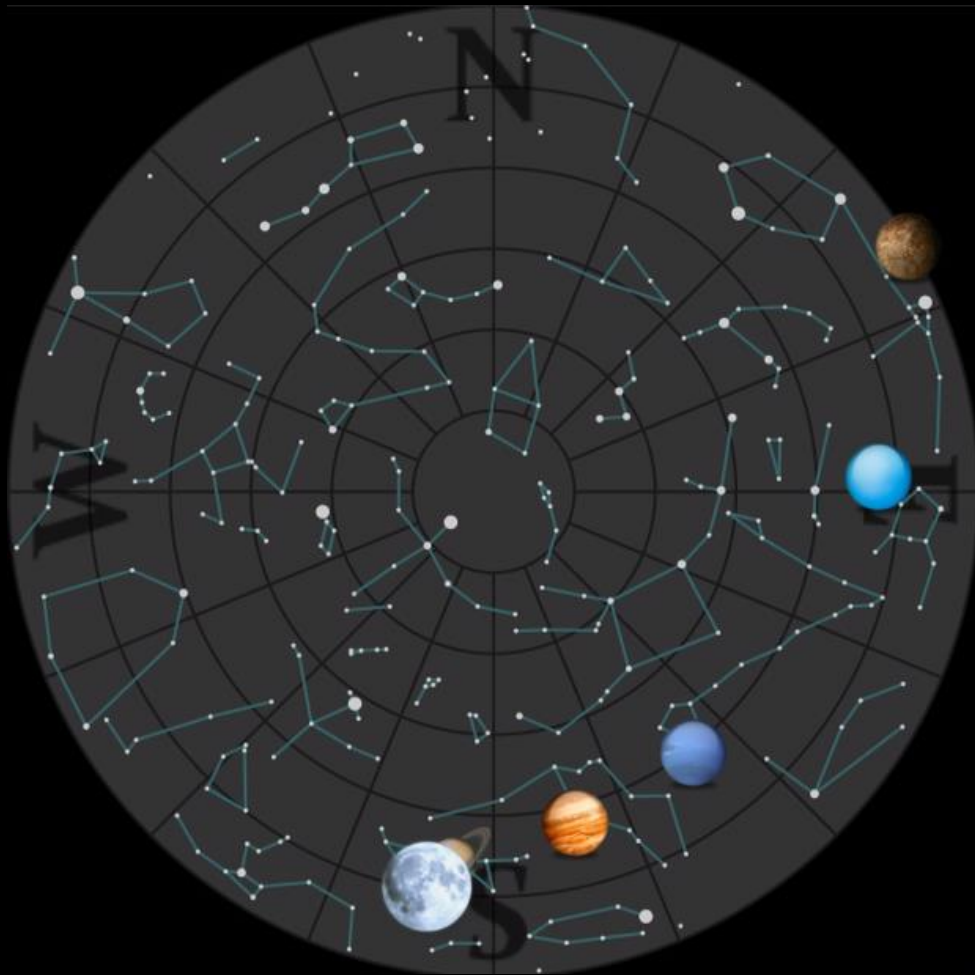
2021 June 28 to July 26

Bill Barton, FRAS

•The Sky 22:00
Tonight







•The Sky 04:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, aphelion July 05, equinox September 22
- Mercury
 - In morning sky, greatest western elongation July 04 (22°)
 - Superior conjunction August 01
 - Good observing opportunity
 - Today, rise 03:50, transit 11:35, set 19:20
- Venus
 - Superior conjunction was on March 26, current elongation 24°
 - In the evening sky with greatest eastern elongation October 29 (47°)
 - Today, rise 06:40, transit 14:45, set 22:50

Earth

- Time
 - 00:00UT \approx 16:10ST today
 - Today, sunrise 04:35, transit 13:00, sunset 21:20
 - End of period, sunrise 05:10, transit 13:00, sunset 20:55
- Moon
 -  Last Quarter, 01
 -  New, 10
 -  First Quarter, 17
 -  Full, 24 (Hay or Thunder Moon)
- Meteors
 - Perseid Shower starts on July 17, peaks on August 12, ZHR 80+

Occultations

- Lunar
 - ν Piscium mag 4.5, 03 July
 - Disappearance bright limb 03:21 (UT), reappearance dark limb 03:52 (UT)

Outer Solar System

- Mars
 - Solar conjunction October 8. Today, rise 07:30, transit 15:20, set 23:10
- Jupiter
 - Opposition August 20. Today, rise 23:45, transit 04:50, set 09:50
- Saturn
 - Opposition August 2. Today, rise 23:00, transit 03:30, set 08:00
- Uranus
 - Opposition November 4. Today, rise 01:45, transit 09:15, set 16:40
- Neptune
 - Opposition September 14. Today, rise 00:20, transit 06:05, set 11:50

OASI Events

- Some online/some physical
- OASI Summer Picnic, Saturday 10 July 13:00 →
- Newbourne Village Hall
- Places must be pre-booked

Societies Events

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