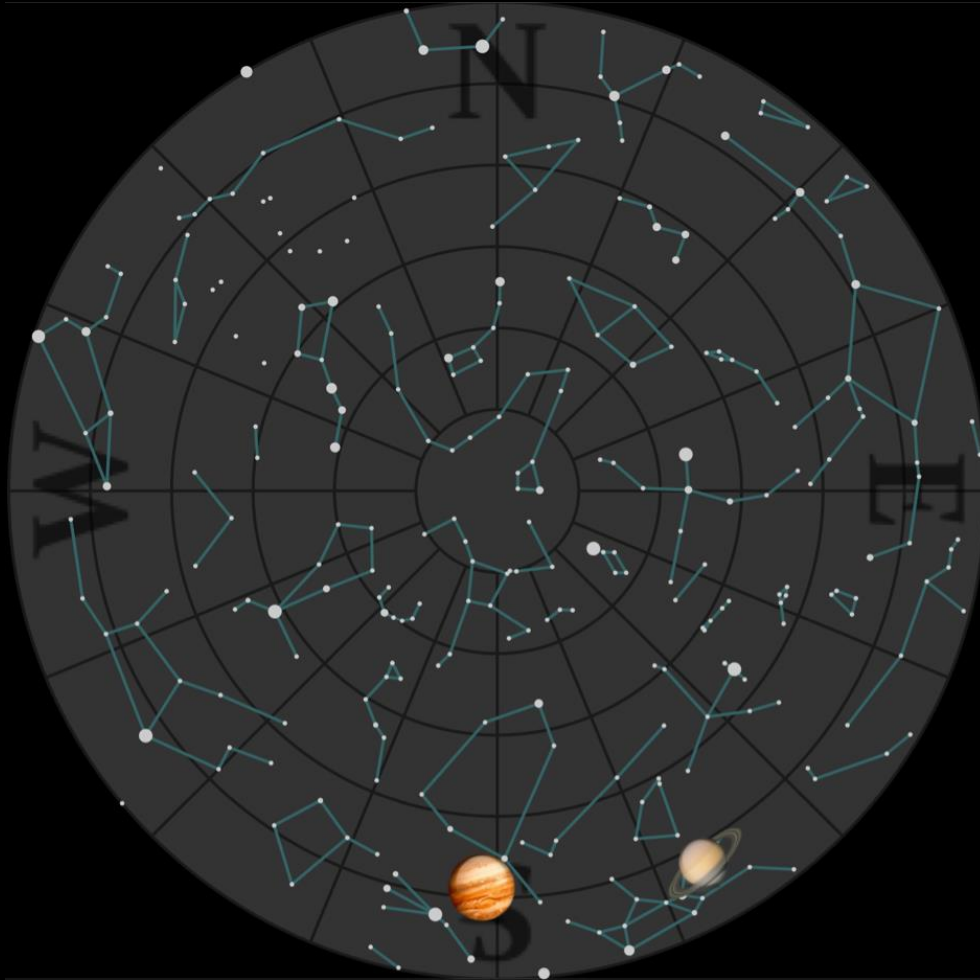


What's Up?

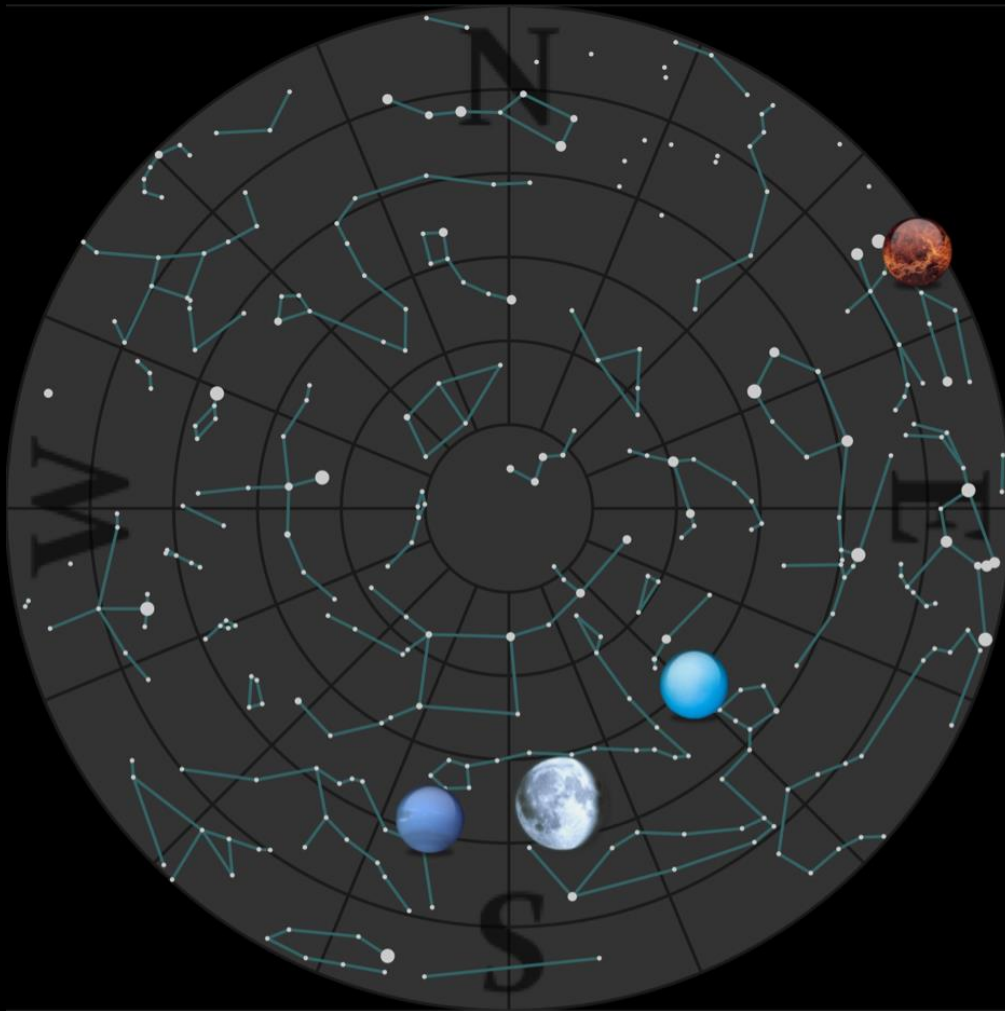
2019 July 22 to August 26

Bill Barton, FRAS

•The Sky 22:00
Tonight







•The Sky 05:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, equinox September 23
- Mercury
 - Inferior conjunction July 21 (yesterday)
 - In morning sky, greatest elongation August 09 (19°)
 - Currently rising 05:25, setting 20:20
- Venus
 - Superior conjunction on August 14
 - Currently rising 04:25, setting 20:45

Earth

- Time
 - 00:00UT \approx 20:00ST today
 - Today sunrise 05:00, sunset 21:00BST
 - End of period sunrise 05:55, sunset 20:00BST
- Moon
 -  Last Quarter, 25, August 23
 -  New, August 01
 -  First Quarter, 07
 -  Full, 15 (Sturgeon or Green Corn)
- Meteors
 - Perseids peak on August 13, 80 meteors per hour

Occultations

- Lunar
 - August 24,
 - δ^1 Tauri, mag 3.8
 - Disappearance bright limb 03:43 BST
 - Recovery dark limb 03:53 BST
 - 64 Tauri, mag 4.8
 - Disappearance bright limb, 04:27 BST
 - Recovery dark limb, 05:10 BST
 - 68 Tauri, mag 4.3
 - Disappearance bright limb, 05:23 BST
 - Recovery dark limb, 06:30

Outer Solar System

- Mars
 - Currently rising 06:15, setting 21:40. Solar Conjunction September 02
- Jupiter
 - Currently rising 17:50, setting 01:50. Opposition was on June 10, Solar Conjunction December 27
- Saturn
 - Currently rising 20:05, setting 04:05. Opposition on July 9, Solar Conjunction 2020 January 02
- Uranus
 - Currently rising 00:00, setting 14:25. Opposition on October 28
- Neptune
 - Currently rising 22:40, setting 09:50. Opposition on September 10

Society Events

- None this period
 - UPDATE
 - Friday August 2, Container Delivery Day!

Other Events

- SPA
 - Saturday 27 July, from 2:00pm, Gustav Tuck Lecture Theatre, University College London. Apollo 11 Celebration Meeting
- BAA
 - Saturday 24 August, 10:00am-05:00pm, BMI, 9 Margaret St., Birmingham, Spectroscopy Software Training Workshop (tickets £5:00)

Other Events

- DASH
 - Nothing this period
- LYRA
 - Meetings at Parkhill Hotel, Oulton
 - Tuesday July 23, 07:30pm, Observing
 - Tuesday August 13, 07:30pm, Summer Social
- Athenæum Astronomical Association
 - Meetings at Nowton Park
 - Thursday July 25, 07:30pm, Spectroscopy
 - Thursday August 08, 07:30pm, Solar Flares & Sunspots
 - Thursday August 22, 07:30pm, Radio Astronomy