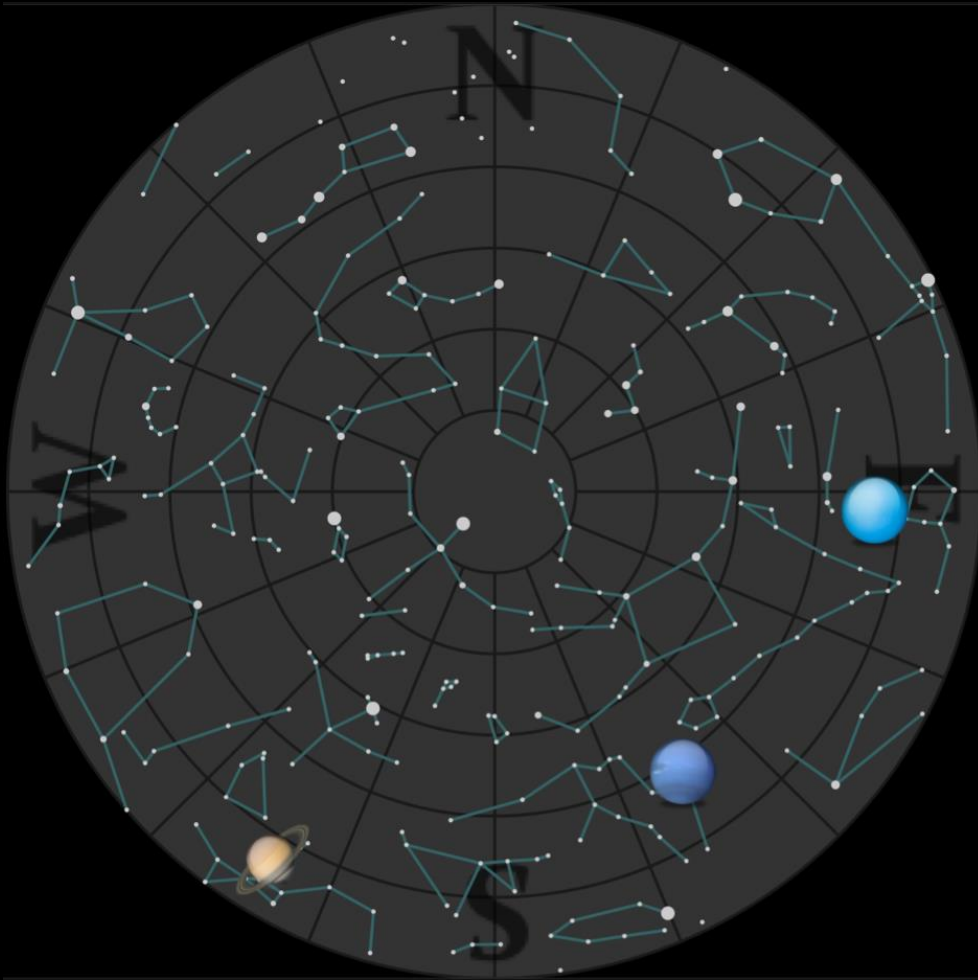


What's Up?

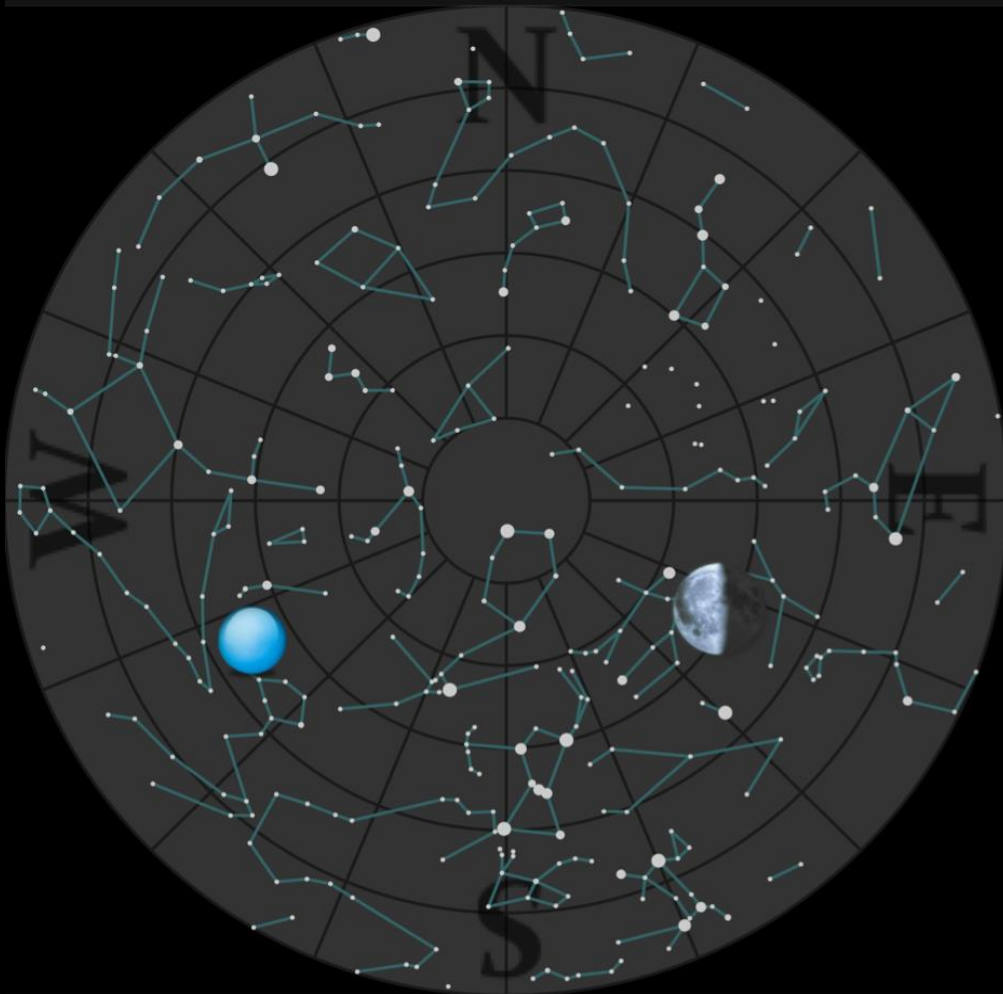
2019 September 23 to October 28

Bill Barton, FRAS

•The Sky 22:00
Tonight







•The Sky 06:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, equinox September 23 (today)
- Mercury
 - In evening sky, greatest elongation October 20 (25°)
 - Next inferior conjunction (November 11) will be a transit
 - Currently rising 08:00, setting 19:15
- Venus
 - Superior conjunction was on August 14
 - In evening sky, greatest elongation March 13 2020 (46°)
 - Currently rising 07:40, setting 19:15

Earth

- Time
 - 00:00UT \approx 00:00ST today
 - Today sunrise 06:40, sunset 18:50BST
 - End of period sunrise 06:40, sunset 16:30UT
 - BST ends at 02:00am on October 27
- Moon
 -  New, 28
 -  First Quarter, 05
 -  Full, 13 (Hunters)
 -  Last Quarter, 21
- Meteors
 - Only sporadic activity this period

Occultations

- Lunar
 - October 19,
 - ζ Tauri mag 3.0
 - Disappearance bright limb 01:23BST
 - Recovery dark limb 02:13BST

Outer Solar System

- Mars
 - Currently rising 06:00, setting 18:45. Solar Conjunction September 02
- Jupiter
 - Currently rising 13:50, setting 21:45. Opposition was on June 10, Solar Conjunction December 27
- Saturn
 - Currently rising 15:50, setting 23:40. Opposition was on July 09, Solar Conjunction 2020 January 02
- Uranus
 - Currently rising 19:45, setting 10:15. Opposition on October 28
- Neptune
 - Currently rising 18:25, setting 05:30. Opposition on September 10

Society Events

- Open Weekend at Orwell Park
 - Friday 27 & Saturday 28 September, from 07:30pm, help needed
- Lecture Meeting
 - Friday 18 October, St. Augustines Church Hall, from 08:00pm, Dr. Robert Fredman, 'Pulsars and Our Understanding of the Cosmos'
- Bawdsey Astronomy Day
 - Sunday 27 October

Other Events

- DASH
 - Observing Meeting
 - Sunday 29 September, Westleton Heath
 - Lecture Meeting at Darsham Village Hall, IP17 3QA
 - Sunday 13 October, 07:30pm, Steve Hubbard, Ian Lomas & David Gwynn, 'The Big Bang for Beginners' plus Q & A Session
 - Outreach Meeting
 - Wednesday 23 & Thursday 24 October, Sutton Hoo House, 06:00pm
 - Observing Meeting
 - Sunday 27 October, Westleton Heath

Other Events

- LYRA
 - Meetings at Parkhill Hotel, Oulton, NR32 5DQ
 - Tuesday 24 September, 07:30pm, Observing/Practical
 - Tuesday 8 October, 07:30pm Discussion 'Variable Stars – being a Professional-Amateur', Michael Poxon
 - Tuesday 22 October, 07:30pm, Observing/Practical

Other Events

- Athenæum Astronomical Association
 - Meetings at Nowton Park, Bury Rd., Nowton, IP29 5BD
 - Thursday 03 October, 07:30pm, AGM
 - Thursday 17 October, 07:30pm, Members Meeting
 - Friday 25 & Saturday 26 October, from 07:00pm, 'Star Party' (booking required)
 - Friday 08 November, 07:30pm, 'Photographing the Night Sky' Nik Szymanek, Quaker Meeting House (booking required)
- Society for the History of Astronomy
 - Saturday October 26, 10:00am, BMI, 9 Margaret St., Birmingham, Autumn Conference & AGM