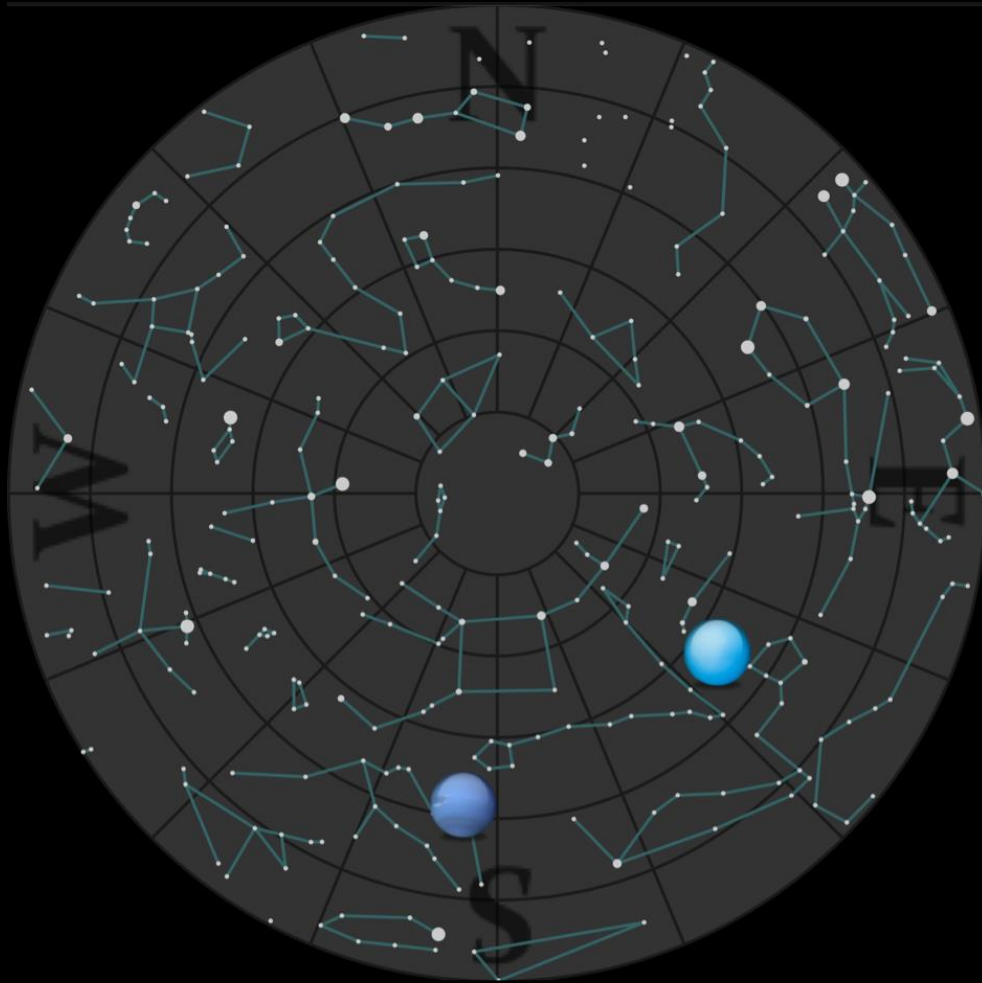


What's Up?

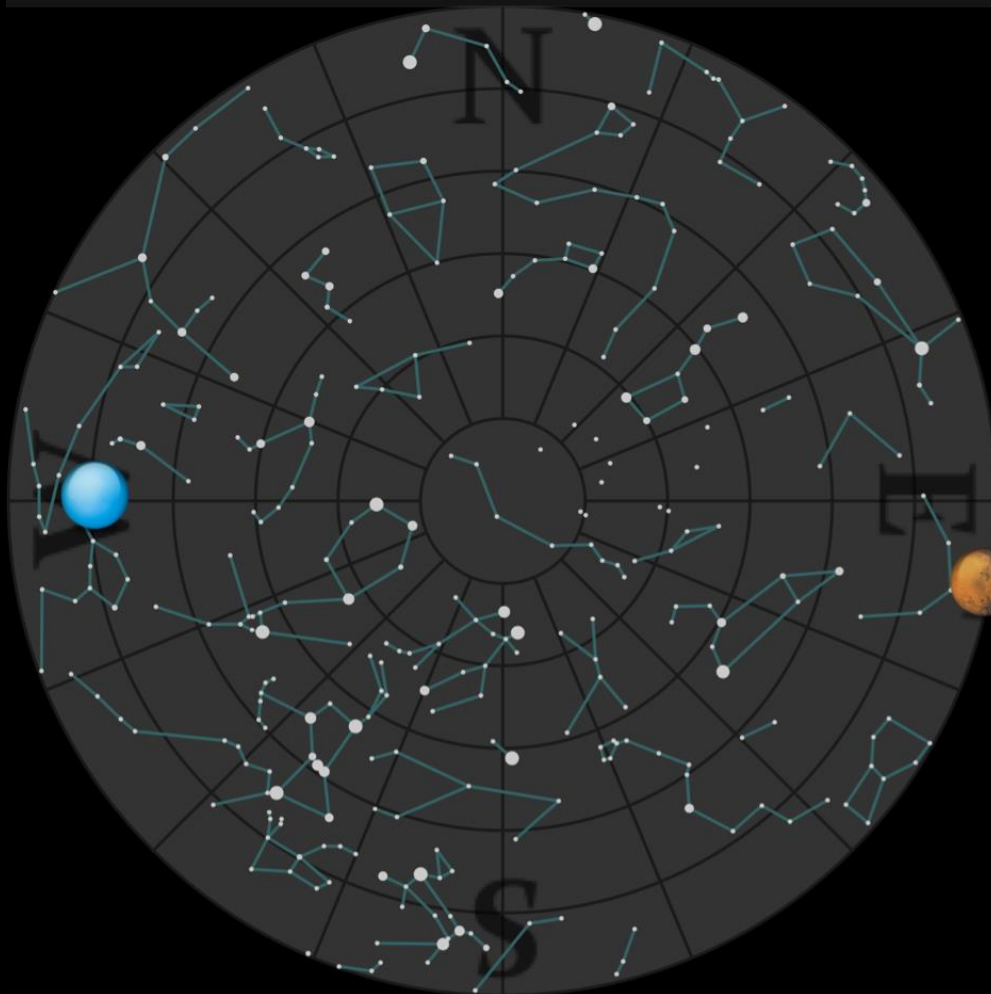
2019 October 28 to November 25

Bill Barton, FRAS

•The Sky 22:00
Tonight







•The Sky 06:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, Solstice December 22
- Mercury
 - In evening sky, greatest elongation October 20 (25°)
 - Next inferior conjunction (November 11) will be a transit
 - Then in morning sky, greatest elongation November 28 (20°)
 - Today rising 08:00, setting 17:00
- Venus
 - In evening sky, greatest elongation March 13 2020 (46°)
 - Today rising 08:40, setting 17:15

Earth

- Time
 - 00:00UT \approx 02:00ST today
 - Today sunrise 06:45, sunset 16:35
 - End of period sunrise 07:40, sunset 15:55
- Moon
 -  New, 28, November 26
 -  First Quarter, 04
 -  Full, 12 (Frost)
 -  Last Quarter, 19
- Meteors
 - Leonids active this period, November 06-30, ZHR = 15

Occultations

- Lunar
 - November 15
 - η Gem mag 3.5
 - Disappearance bright limb 21:52
 - Recovery dark limb 22:13
 - November 16
 - μ Gem mag 2.9
 - Disappearance bright limb 01:31
 - Recovery dark limb 02:49

Outer Solar System

- Mars
 - Today rising 04:50, setting 16:00. Opposition 2020 October 13
- Jupiter
 - Today rising 11:00, setting 18:45. Solar Conjunction December 27, opposition 2020 June 10
- Saturn
 - Today rising 12:30, setting 18:45. Solar Conjunction 2020 January 02, opposition 2020 July 20
- Uranus
 - Today rising 16:25, setting 06:45. Opposition on October 28 (today)
- Neptune
 - Today rising 15:05, setting 02:10. Opposition on September 10

Society Events

- Transit of Mercury
 - Monday 11 November, from 12:30pm, Orwell Park
- Lecture Meeting
 - Friday 15 November, St. Augustines Church Hall, from 08:00pm, Nick Hewitt, 'Neighbours, an Introduction to the Local Group'
- Field Trip
 - Sunday 17 November, Grazing Occultation of ZC1128
- Committee Meeting
 - Friday 22 November, 08:00pm, Horley Spiritualist Church, London Rd.
- Christmas Meal
 - Wednesday 11 December, 08:00pm, Coach & Horses, Melton, booking essential

Other Events

- DASH
 - Lecture Meeting at Darsham Village Hall, IP17 3QA
 - Sunday 10 November, 07:30pm, Debbie Forrester 'Spacewomen & Astrogirls'
 - Outreach Meeting to Observe Transit of Mercury
 - Monday 11 November, 12:30pm, National Trust, Coastguard Cottages, Dunwich
 - Observing Meeting
 - Sunday 24 November, Darsham Village Hall
- LYRA
 - Meetings at Parkhill Hotel, Oulton, NR32 5DQ
 - Tuesday 12 November, 07:30pm, TBA
 - Tuesday 26 November, 07:30pm, Observing/Practical

Other Events

- Athenæum Astronomical Association
 - Meetings at Nowton Park, Bury Rd., Nowton, IP29 5BD
 - Thursday 31 October, 07:30pm, The Moon
 - Friday 08 November, 07:30pm, 'Photographing the Night Sky' Nik Szymanek, Quaker Meeting House (booking required)
 - Thursday 14 November, 07:30pm, Alt-Az & Eq Mounts
- British Astronomical Association
 - Wednesday October 30, 05:30pm, Burlington House, Piccadilly, London, AGM