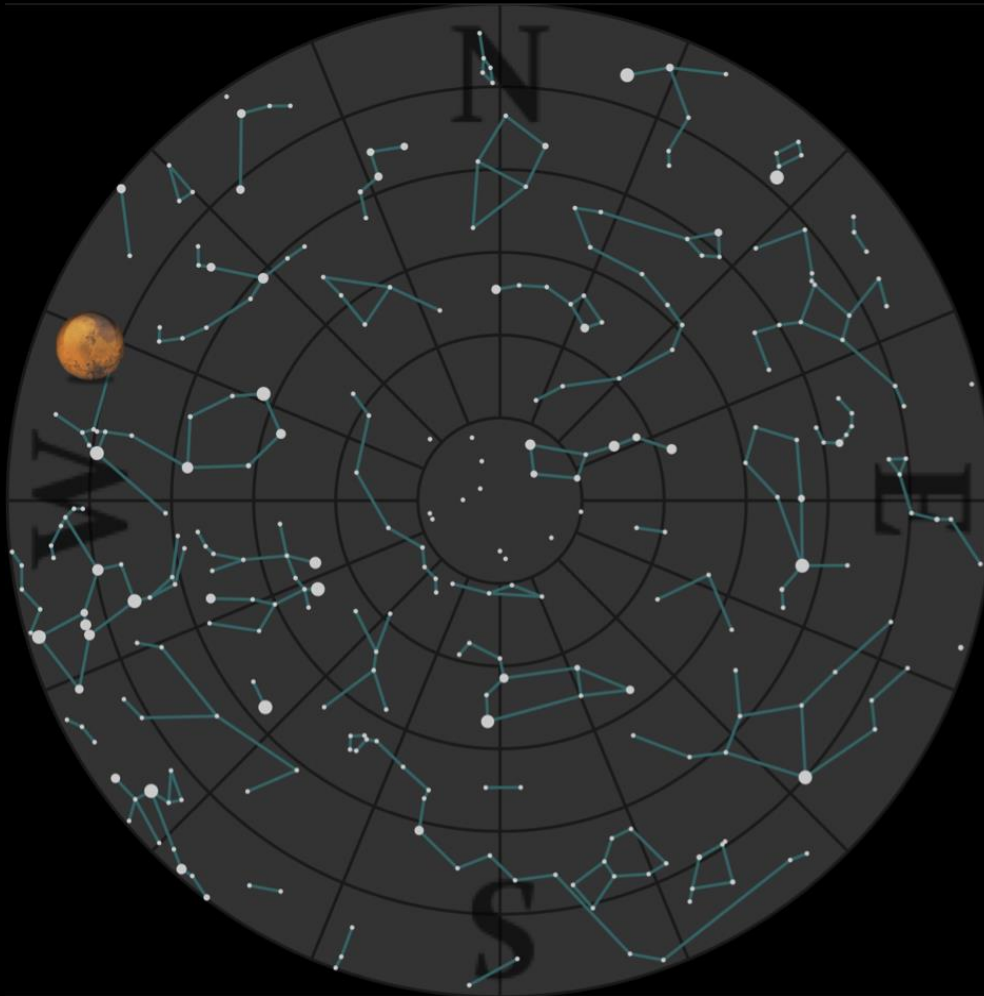


# What's Up?

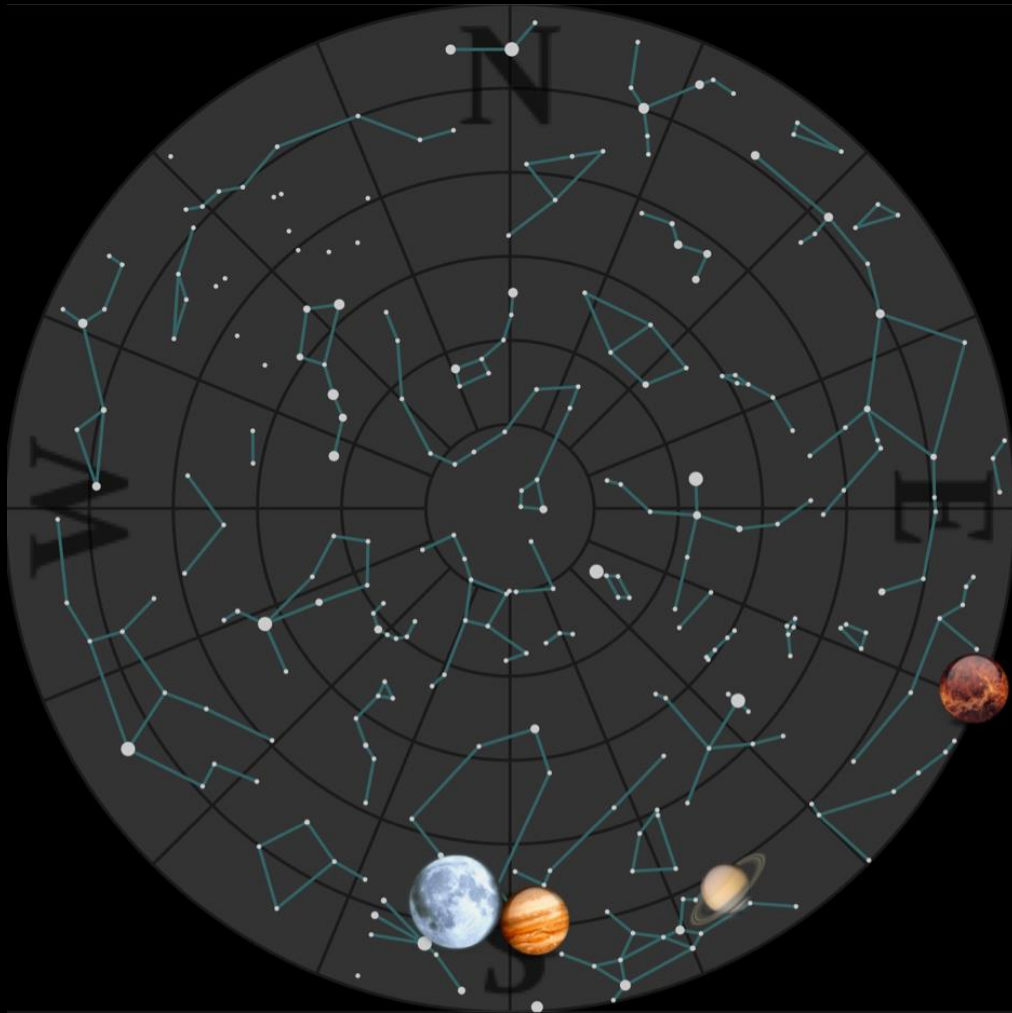
2019 March 25 to April 22

Bill Barton, FRAS

•The Sky 22:00  
Tonight







•The Sky 05:00  
Tomorrow



# Inner Solar System

- Sun
  - Declination increasing
  - Equinox March 20, BST starts 01:00 March 31, Solstice June 21
- Mercury
  - In the morning sky, greatest Western elongation April 11 ( $28^{\circ}$ )
  - Superior conjunction May 21
  - Currently rising 05:10, setting 16:35
- Venus
  - In morning sky until superior conjunction on August 14
  - Greatest Western elongation was on January 06 ( $47^{\circ}$ )
  - Currently rising 04:50, setting 14:45

# Earth

- Time
  - 00:00UT  $\approx$  12:08ST today
  - Today sunrise 05:47, sunset 18:16
  - End of period sunrise 04:44, sunset 19:04UT
- Moon
  -  Last Quarter, 28
  -  New, 05
  -  First Quarter, 12
  -  Full, 19 (Seed or Egg)
- Meteors
  - Lyrids, April 14-30, max ZHR=15, April 22 (unfavourable)
  - $\eta$  Aquarids, April 19-May 28, max ZHR=40, May 6-7

# Occultations

- Eclipses
  - None this period
- Lunar
  - None this period
- Grazing Lunar
  - Tuesday 26 March 03:30am, ZC2401 (mag 5.6)
- Asteroid
  - None this period

# Outer Solar System

- Mars
  - Currently rising 07:30, setting 23:15. Solar Conjunction September 02
- Jupiter
  - Currently rising 01:25, setting 09:15. Opposition on June 10
- Saturn
  - Currently rising 03:10, setting 11:15. Opposition on July 9
- Uranus
  - Currently rising 06:40, setting 20:45. Opposition on October 28
- Neptune
  - Currently rising 05:30, setting 16:30. Opposition on September 10

# Society Events

- Grazing Lunar Occultation
  - Tuesday March 26, 03:30am, field trip to observe graze of ZC2401 (mag 5.6)
- Outreach Meeting
  - Saturday April 13, 07:30pm onwards, in the field behind the Case is Altered, Bentley (weather dependent)



# Other Events I

- British Astronomical Association
  - Wednesday March 27, 5:30pm till 8:00pm, Ordinary Meeting, Burlington House, London
  - Saturday April 27, 10:00am till 6:00pm, One Day Spring Meeting, Sweyne Park School, Rayleigh, 'Galaxies', £5:00, lunch £8:00
- Society for Popular Astronomy
  - Saturday March 30, 9:30am till 5:30pm, Biennial Convention, IoA, Cambridge, free, but places limited to 180
- Athenæum Astronomical Association
  - Meetings at Nowton Park
    - Thursday April 4, 07:30pm, members meeting
    - Thursday April 18, 07:30pm, members meeting

# Other Events II

- LYRA
  - Discussion Meeting, Tuesday April 9 07:30pm, Parkhill Hotel, Oulton, Presidential Lecture, Dr. Matt Bothwell
  - Observing Meeting, Tuesday April 23, 07:30pm, Barn Car Park, Parkhill Hotel, Oulton
- DASH
  - Observing Meeting, Sunday April 7 from 07:30pm, Westleton Common
  - Discussion Meeting, Sunday April 14 from 07:30pm, Westleton Village Hall, Bob Greef, TBA