

What's Up?

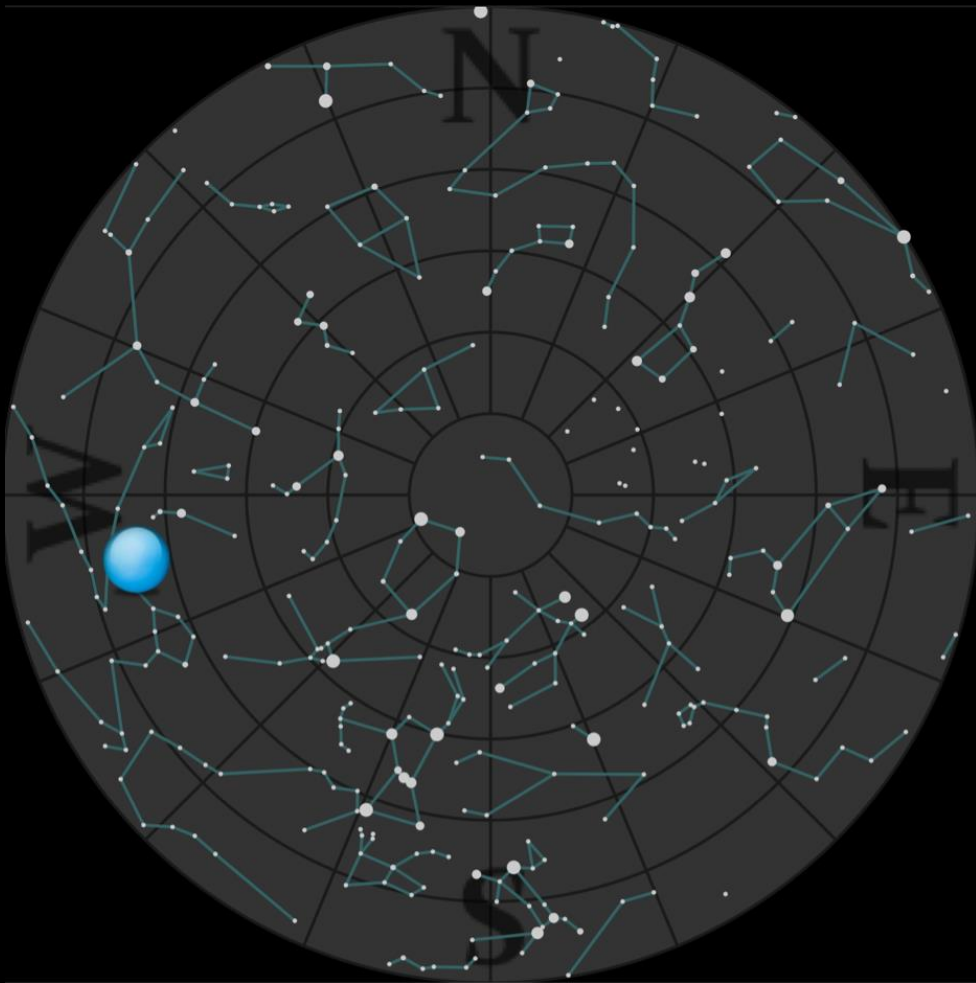
2020 January 27 to February 24

Bill Barton, FRAS

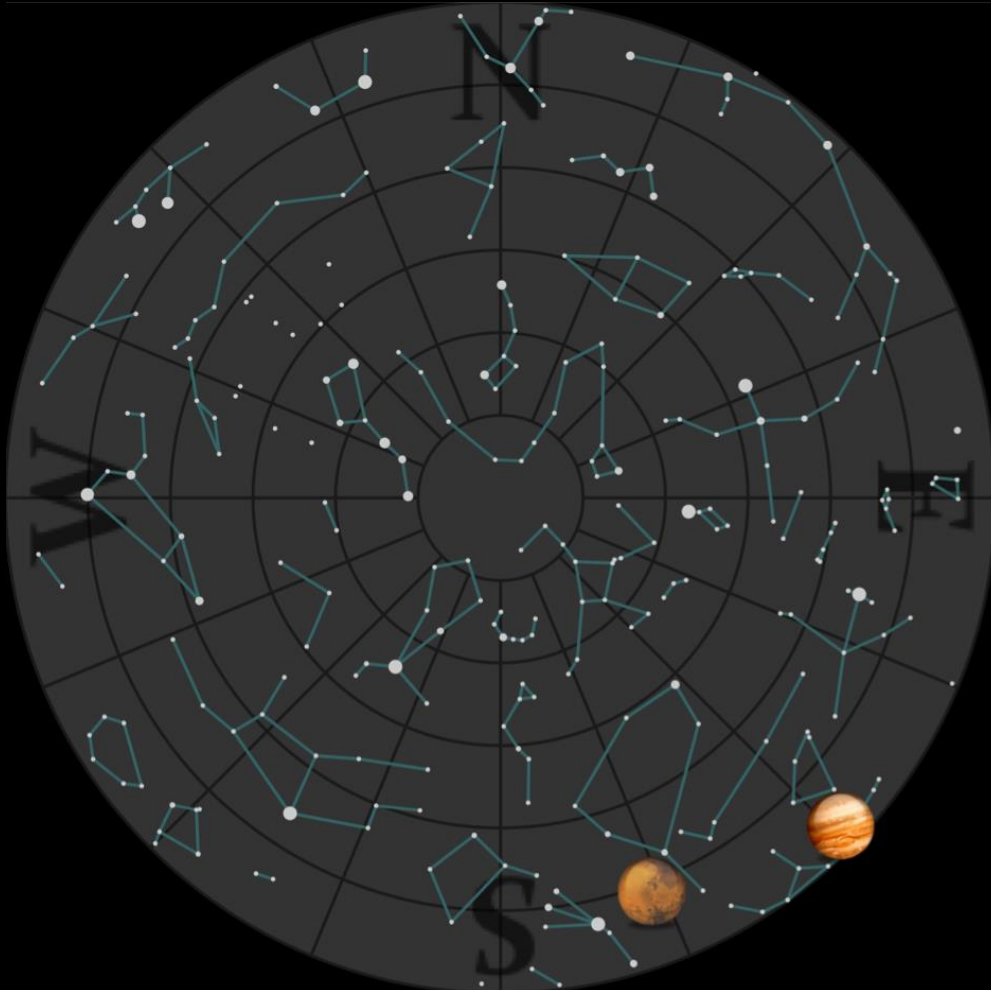
Subjects Not Covered

- Betelgeuse Fading
- Starlink Satellites

•The Sky 22:00
Tonight







•The Sky 07:00
Tomorrow



Inner Solar System

- Sun
 - Declination increasing, Equinox March 20
- Mercury
 - In evening sky, greatest elongation February 10 (18°)
 - Inferior conjunction on February 26
 - Today, rise 08:20, transit 12:50, set 17:20
- Venus
 - In evening sky, greatest elongation March 24 (46°)
 - Inferior conjunction on June 03
 - Today, rise 09:10, transit 14:40, set 20:10

Earth

- Time
 - 00:00UT \approx 08:20ST today
 - Today, sunrise 07:45, transit 12:05, sunset 16:25
 - End of period, sunrise 06:55, transit 12:05, sunset 17:20
- Moon
 -  First Quarter, February 02
 -  Full, 09 (Hunger Moon)
 -  Last Quarter, 15
 -  New, 23
- Meteors
 - Only sporadic activity this period

Occultations

- Lunar
 - February 06, Thursday
 - η Gem, mag 3.5
 - Disappearance dark limb 02:14
 - Recovery bright limb 03:06
- Grazing Lunar
 - February 14, 01:15, Friday
 - ZC2008, mag 6.5
 - Altitude 12°
- Asteroidal
 - February 11, 21:58, Tuesday
 - 4 Vesta (mag 8.1) and FK6 2220 (mag 5.3)
 - Duration 28 sec, Δ mag, 2.8

Planetary Conjunction

- Venus & Neptune
 - January 27 08:00pm (now!)
 - $0^{\circ} 04'$ of each other
- January 28 (tomorrow)
- Moon will join the party!

Outer Solar System

- Mars
 - Opposition October 13. Today, rise 04:35, transit 08:30, set 12:25.
- Jupiter
 - Solar conjunction December 27, opposition June 10. Today, rise 06:30, transit 10:25, set 14:20.
- Saturn
 - Solar conjunction January 02, opposition July 20. Today, rise 07:10, transit 11:15, set 15:20.
- Uranus
 - Solar conjunction April 26, opposition October 31. Today, rise 10:25, transit 17:30, set 00:45.
- Neptune
 - Solar conjunction March 08, opposition September 11. Today, rise 09:10, transit 14:45, set 20:15

Society Events

- Committee Meeting
 - Friday 07 February, 08:00pm, Horley Spiritualist Church, London Road, Ipswich
- Talk
 - Monday 24 February, 07:45pm, Newbourne Village Hall, Paul Whiting “3000 Years of Eclipses Visible from Orwell Park”
- Public Observing
 - Saturday 29 February, from 07:30pm, Kirton Recreation Ground, with KATCAG (Kirton & Trimley Community Action Group)

Other Events I

- Athenæum Astronomical Association
 - Nowton Park, Bury Rd., Nowton, IP29 5BD
 - Thursday 06 February, 07:30pm, Introduction to the Solar System
 - Thursday 20 February, 07:30pm, Introduction to your Telescope

Other Events II

- Darsham And Surrounding Hamlets
 - Darsham (New) Village Hall
 - Sunday 09 February, 07:30pm, Michael Rowan-Robinson “Lost Time-When Giants Roamed the Earth”
 - Sunday 23 February, 07:30pm, Observing
- Lowestoft & Yarmouth Regional Astronomers
 - Parkhill Hotel, Oulton, NR32 5DQ
 - Tuesday 28 January, 07:30pm, Observing/Practical
 - Tuesday 11 February, 07:30pm, Andrew Robertson “Double Stars For Fun”

And Finally....

- Campaign to Protect Rural England
 - Starcount 2020
 - 21-28 February
 - Count as many stars as you can see inside the 'rectangle' of Orion