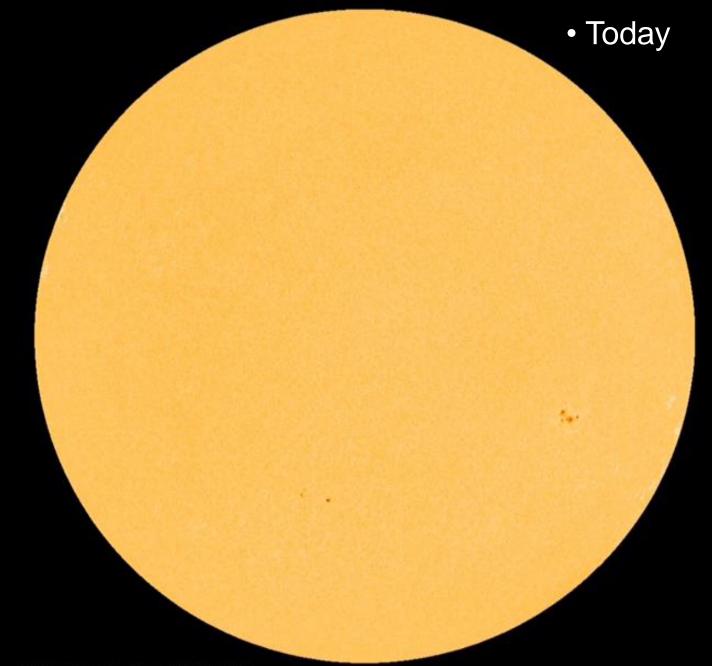
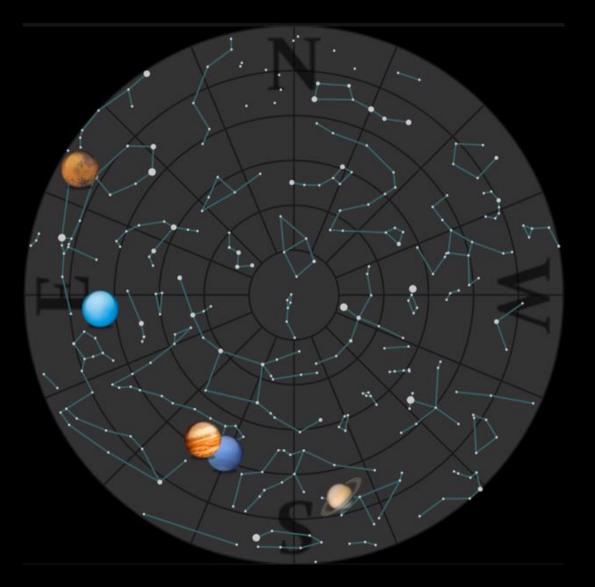
### What's Up?

#### 2022 October 24 to November 28

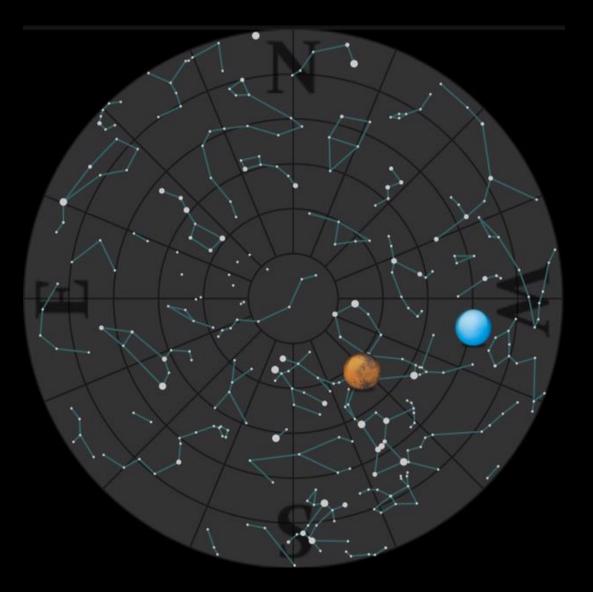
**Bill Barton, FRAS** 







• The Sky 21:00 Tonight



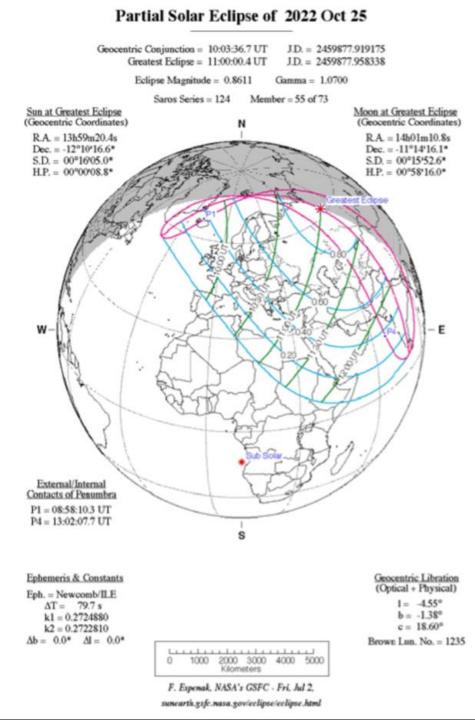
The Sky 06:00
Tomorrow

# Inner Solar System

- Sun
  - Declination decreasing, solstice Dec. 21, perihelion Jan. 04
- Mercury
  - In morning sky, greatest elongation, Oct. 08 (18  $^\circ\,$  ), currently 10  $^\circ\,$
  - Superior conjunction Nov. 08
  - Then in evening sky, greatest elongation Dec. 21 (20 $^{\circ}$ )
  - Today, rise 06:30, transit 12:00, set 17:30
- Venus
  - Superior conjunction Oct. 22
  - In evening sky greatest elongation Jun. 04, 2023 (45  $^\circ\,$  ), currently 1  $^\circ\,$
  - Today, rise 07:30, transit 12:40, set 17:45

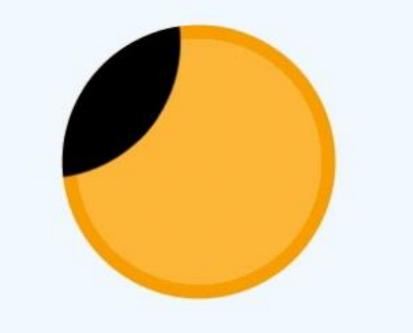
# Earth

- Time
  - 00:00UT ≈ 02:10ST today, BST ends 01:00, 30 Oct. 2022
  - Today, sunrise 07:35, transit 12:40, sunset 17:45
  - End of period, sunrise 07:35, transit 11:40, sunset 15:50
- Moon
  - • New, 25 (partial solar eclipse)
  - First Quarter, Nov. 01
  - ③Full, 08 (Frost Moon, & total lunar eclipse, but not visible)
  - East Quarter, 16
  - • New, Nov. 23
- Meteors
  - Orionids, Oct. 02-Nov. 07, peak Oct. 22, ZHR 20



#### Local Circumstances for Ipswich

1st Contact	10:07:51
Mid Eclipse	11:00:25
4th Contact	11:54:46
Max. Obs.	28%



#### Occultations

- Lunar
  - none of note this period

# Conjunctions

• None of note this period

# Outer Solar System

- Mars
  - Opposition Dec. 08 (17.1/25.6"=0.667). Today, rise 20:00, transit 04:20, set 12:40
- Jupiter
  - Conjunction Apr. 11, 2023. Today, rise 16:50, transit 22:45, set 04:40
- Saturn
  - Conjunction Feb. 17, 2023. Today, rise 15:30, transit 20:10, set 00:30
- Uranus
  - Opposition Nov. 09. Today, rise 18:10, transit 01:45, set 09:20
- Neptune
  - Conjunction Mar. 15, 2023. Today, rise 16:35, transit 22:20, set 04:00

### **OASI** Events

- Orwell Park Open Weekend
  - from 19:30, Friday & Saturday, Oct. 28/29
- Lecture Meeting
  - 20:00, Friday Nov. 18, hybrid meeting on Zoom and at St Augustine's Community Hub, Bucklesham Rd., Ipswich, IP3 8TJ, Dr Matt Bothwell, "How Fast is the Universe Expanding?"

## Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
  - Nov. 06, Bill Barton, "Cecilia Payne (1900-1979)"
  - Nov. 20, observing meeting
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
  - Nov. 08, Michael Poxon, "Name That Star!"
- AAA (Hawstead Village Hall, 7:30pm, Wednesdays)
  - Oct. 26
  - Nov. 09, Paul Whiting, "Radio Astronomy"
  - Nov. 23

# National Events I

- BAAAGM
  - 17:30-20:00, Wednesday, Oct. 26, Institute of Physics, 37 Caledonian Rd., London
- BAA Christmas Meeting
  - 14:00-18:00, Saturday, Dec. 10, same location
  - Gordon McKay, Controversies in Astronomy part 1
  - Simon Kidd, Asteroid Occultations... an observer's view
  - Nick James, Sky Notes
  - booking now open

# National Events II

- SPA Meeting
  - 14:00, Saturday, Oct. 29, Gustave Tuck Lecture Theatre, University College London, Gower St, London WC1
    - Prof Gillian Wright, The JWST, Launch to Science
    - Robin Scagell, skynotes
    - Tony Sizer, The Ring of Mystery
- FAS Convention
  - 10:00, Saturday, Nov. 12, Martin Wood Lecture Theatre, Clarendon Laboratory, Parks Rd, Oxford
    - Women in Astronomy

# 2023 Look Ahead

- A slight partial lunar eclipse on Oct. 28 is the only one visible from the U.K. in 2023
- Lunar Occultations
  - Jan. 01, 22:35, Uranus grazing a line in South Norfolk, a very close approach over Suffolk
  - May 17, 13:48 daylight graze of Jupiter on a line crossing extreme Northern England, so again a near miss for us
  - Nov. 09, 09:47-10:47, daylight occultation of Venus
- Possible Asteroid Occultation
  - Dec. 12, 01:10-01:20, Betelgeuse, mag 0.5 occulted by 70kmø, 319 Leona, mag 14.2, 13 mag drop, max 6.9 secs.
  - Southern Europe/Caribbean, we might be on the 'edge'?

