

# What's Up?

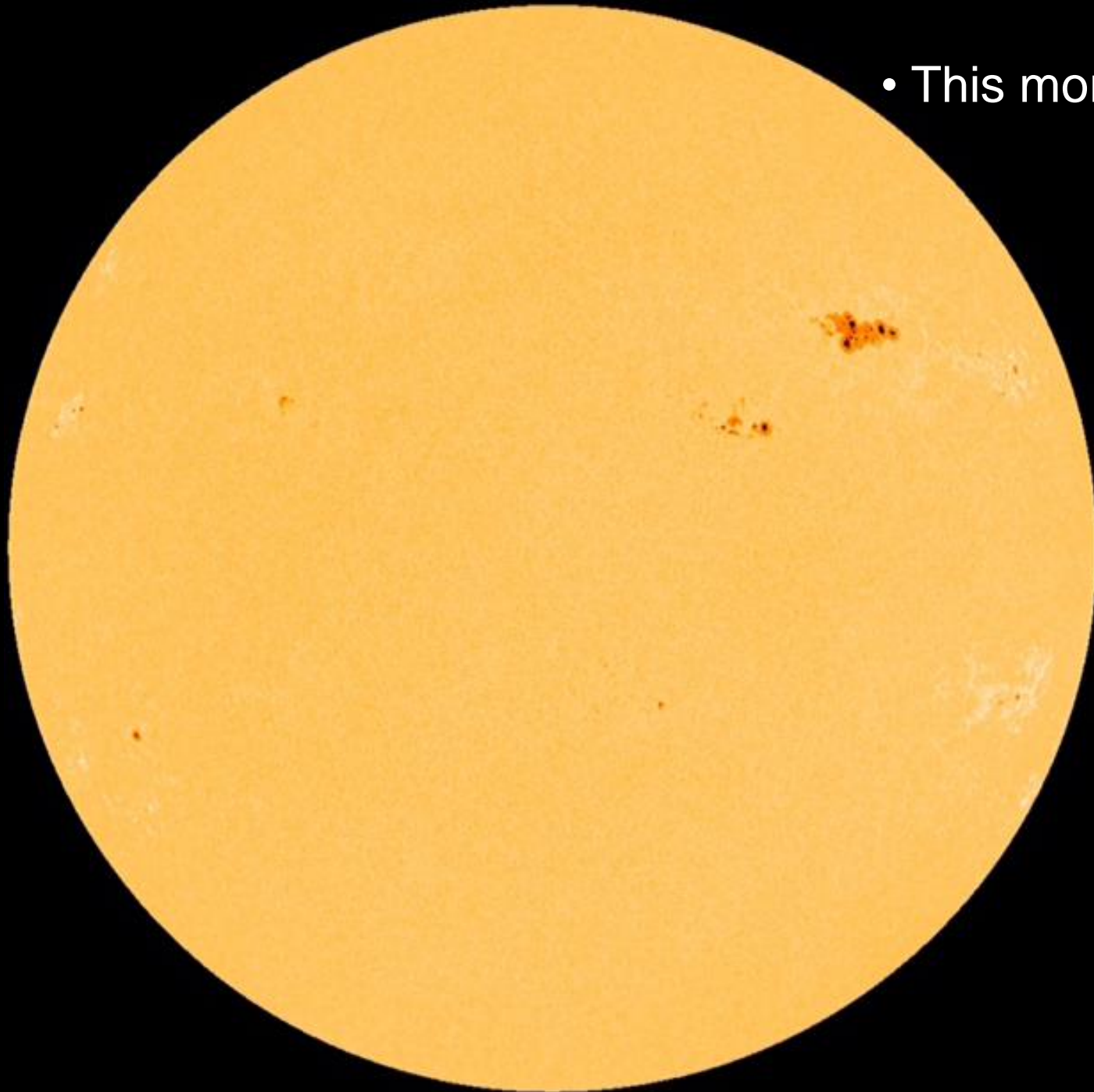
2022 May 23 to June 27

Bill Barton, FRAS

• Last time

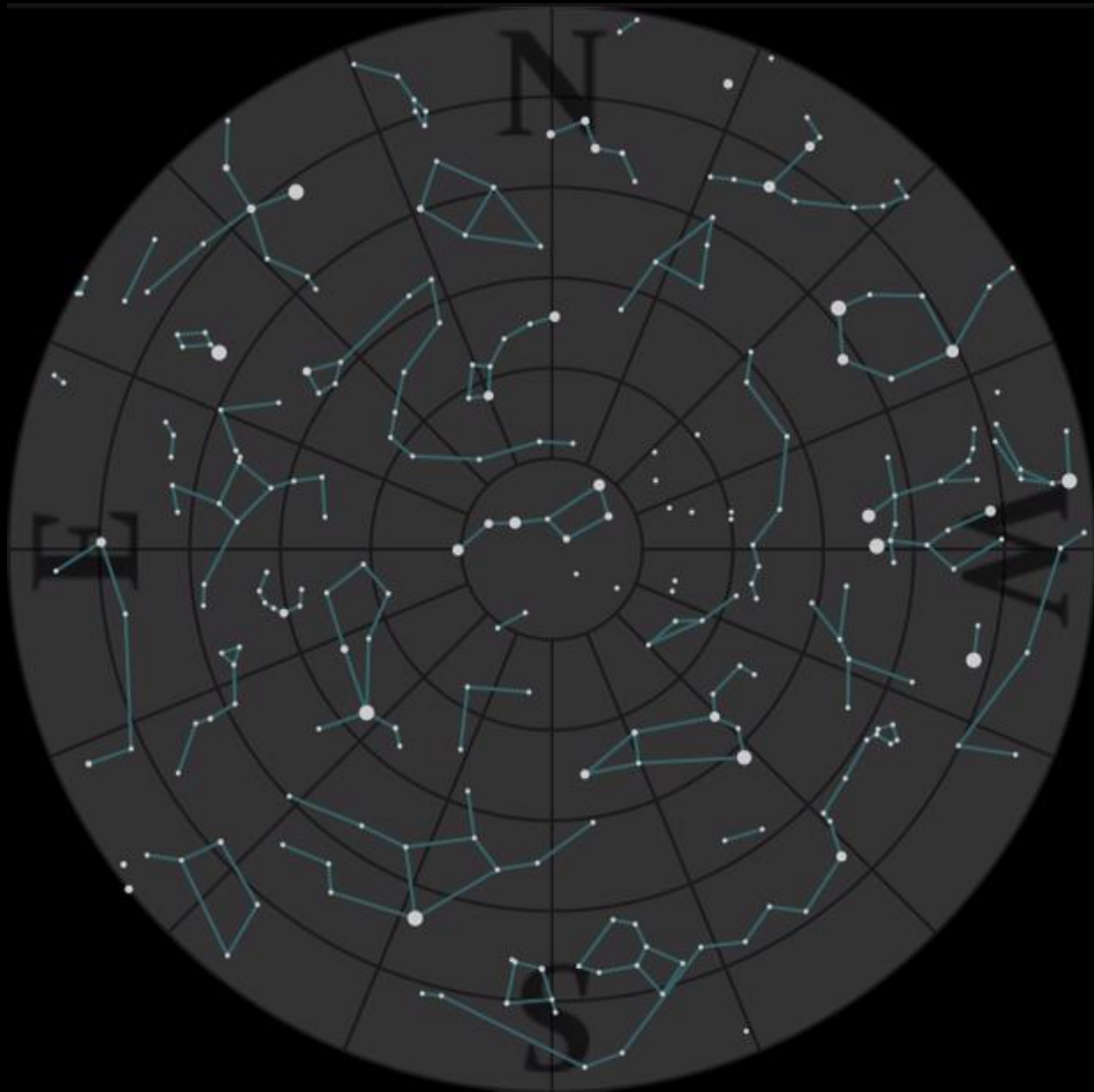


• This morning

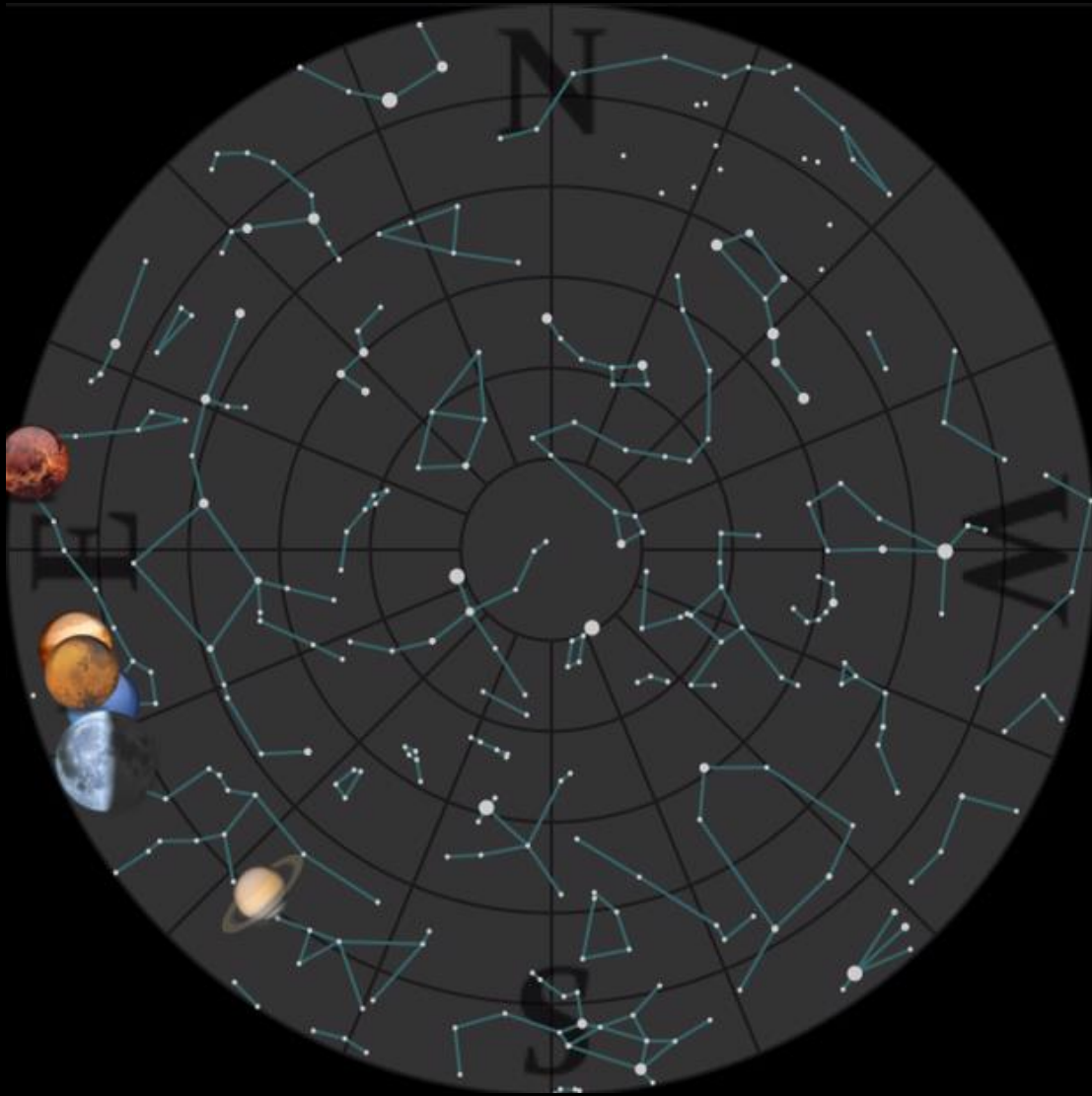


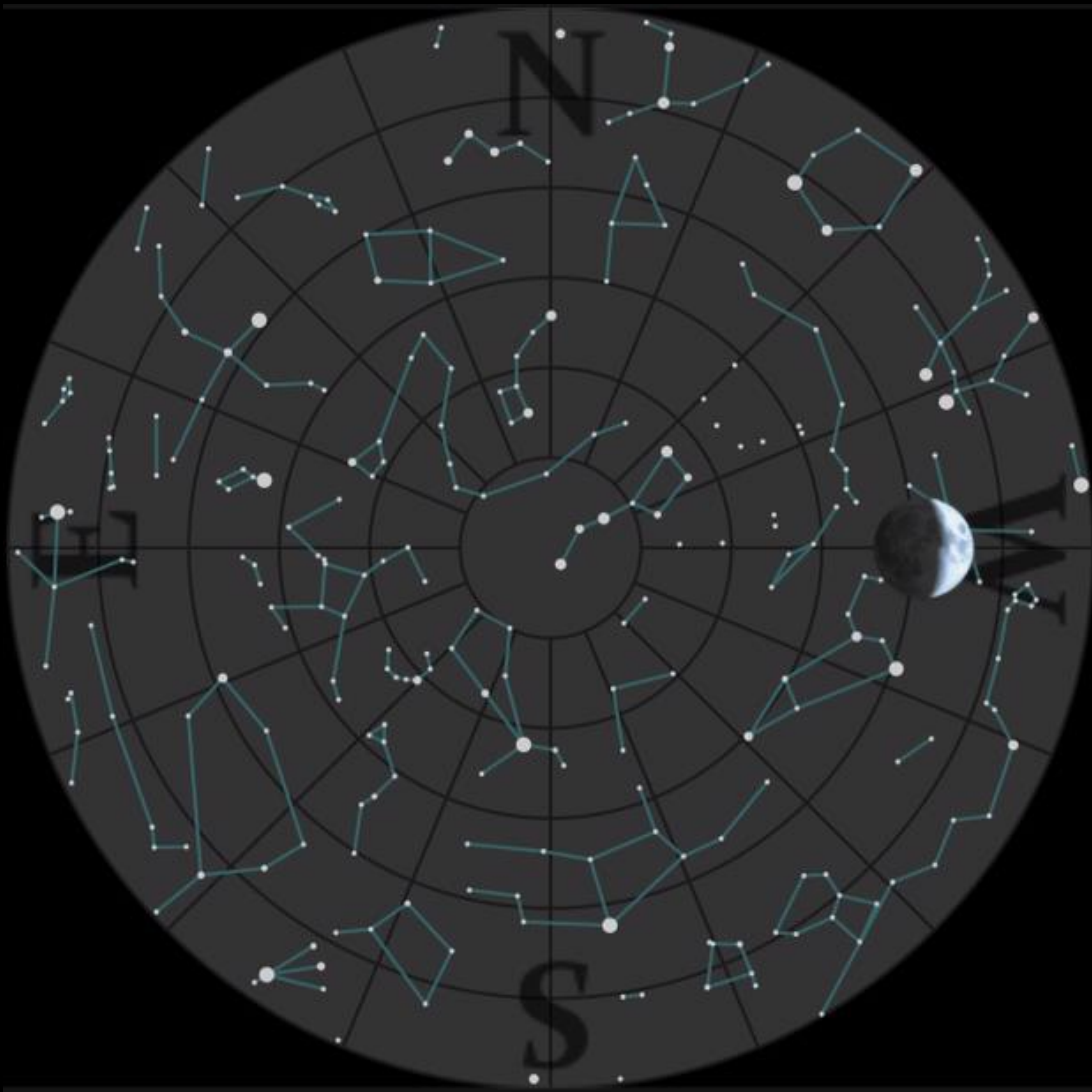
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- The Sky 21:00  
Tonight



- The Sky 04:00  
Tomorrow









- The Sky 22:00
- 4 June 2022
- Jubilee Weekend

- Moonset
- Wednesday 1, 23:30
- Thursday 2, —:—
- Friday 3, 00:15
- Saturday 4, 00:50
- Sunday 5, 01:15
- Monday 6, 01:35

# Inner Solar System

- Sun
  - Solstice June 21
- Mercury
  - Inferior conjunction May 21, currently  $2^\circ$
  - In morning sky, greatest elongation Jun. 16 ( $23^\circ$  )
  - Superior conjunction July 16
  - Good observing opportunity mid-June to early-July
  - Today, rise 05:00, transit 12:40, set 20:30
- Venus
  - In morning sky greatest elongation Mar. 20 ( $47^\circ$  ), currently  $38^\circ$
  - Superior conjunction Oct. 22
  - Today, rise 03:40, transit 10:20, set 17:00

# Earth

- Time
  - 00:00UT  $\approx$  16:00ST today
  - Today, sunrise 04:50, transit 12:50, sunset 20:55
  - End of period, sunrise 04:35, transit 12:55, sunset 21:20
- Moon
  -  New, 30
  -  First Quarter, June 07
  -  Full, 14
  -  Last Quarter, 21
- Meteors
  - none of note this period



# Occultations

- Lunar
  - none of note this period

# Conjunctions

- Planetary
  - May 27, 04:00, Venus  $0.2^{\circ}$  N of the Moon
  - May 28, 15:00, Uranus  $0.3^{\circ}$  N of the Moon
  - May 29, 01:00, Jupiter  $0.6^{\circ}$  N of Mars
  
  - June 22, 19:00, Mars  $1^{\circ}$  N of Moon
  - June 24, 23:09, Uranus  $0.05^{\circ}$  N of the Moon

# Outer Solar System

- Mars
  - Opposition Dec. 08. Today, rise 02:55, transit 08:50, set 14:40
- Jupiter
  - Opposition Sept. 26. Today, rise 03:00, transit 09:00, set 15:00
- Saturn
  - Opposition Aug. 04. Today, rise 01:55, transit 06:40, set 11:30
- Uranus
  - Opposition Nov. 09. Today, rise 04:15, transit 11:45, set 19:15
- Neptune
  - Opposition Sept. 16. Today, rise 02:45, transit 08:30, set 14:15

# OASI Events

- Friday 27 May, 8:00pm, OASI Committee Meeting via Zoom
- Friday 10 June, 8:00pm, recorded Zoom talk “Fast Gamma Ray Bursts” Prof Carole Mundell

# Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
  - May 29, Solar Outreach, Dunwich Beach Car Park
  - June 26, Solar Outreach, location TBA
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
  - June 14, Floor Van Leeuwen, Cambridge University, TBA
- AAA (Whepstead Community Centre, 7:30pm, Wednesdays)
  - May 25, Dr Matt Bothwell, Cambridge University, A History of the Big Bang (notice required)

# National Events I

- British Astronomical Association
  - Wednesday, 25 May, 5:00pm, Institute of Physics, 37 Caledonian Road, London, N1 9BU
  - Mike Foulkes, “Great Storms on Saturn”
  - Hugh Allen, “The Primary Eclipse of VV Cephei”
  - Nick James, “Skynotes”
  
- Saturday, 25 June, 10:00am, Maths & Physics Building, University of Nottingham, NG7 2RO
  - Prof Frazer Pearce, “Adventures in the Goldilocks Zone”
  - Prof Christopher Conselice, “Origins: The Universe to Intelligent Life”
  - James Dawson, “Nottingham Astronomical Society”
  - Prof Ofer Lahav, “AI for Exploring the Dark Universe”
  - Julian Onions, “Galaxies - One Gigayear at a Time”

# National Events II

- The Webb Deep-Sky Society
  - Saturday, 18 June, Institute of Astronomy, Cambridge, CB3 0HA
  - Doors open 09:30am
  - 10:15-10:45 AGM (members only)
  - no need to book! £10:00 without lunch, £20:00 with
  - six presentations including Lord Rees, “From Planets to Galaxies”
  - Meeting closes 5:30pm
- Society for the History of Astronomy
  - Saturday, 25 June, Annual Summer Picnic
  - from 12:30pm
  - 19 New King Street (and other locations), Bath