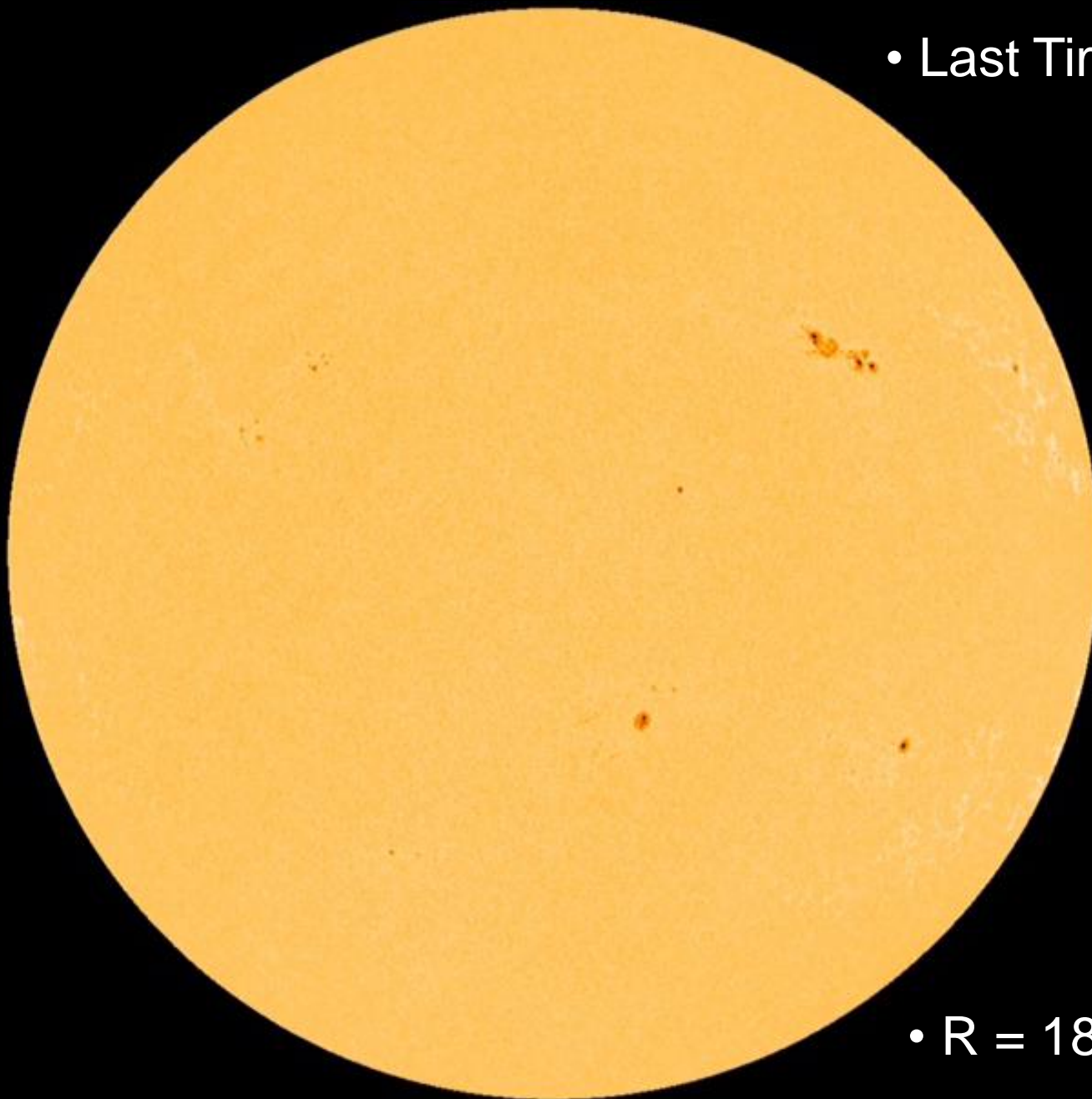


What's Up?

2023 July 24 to August 28

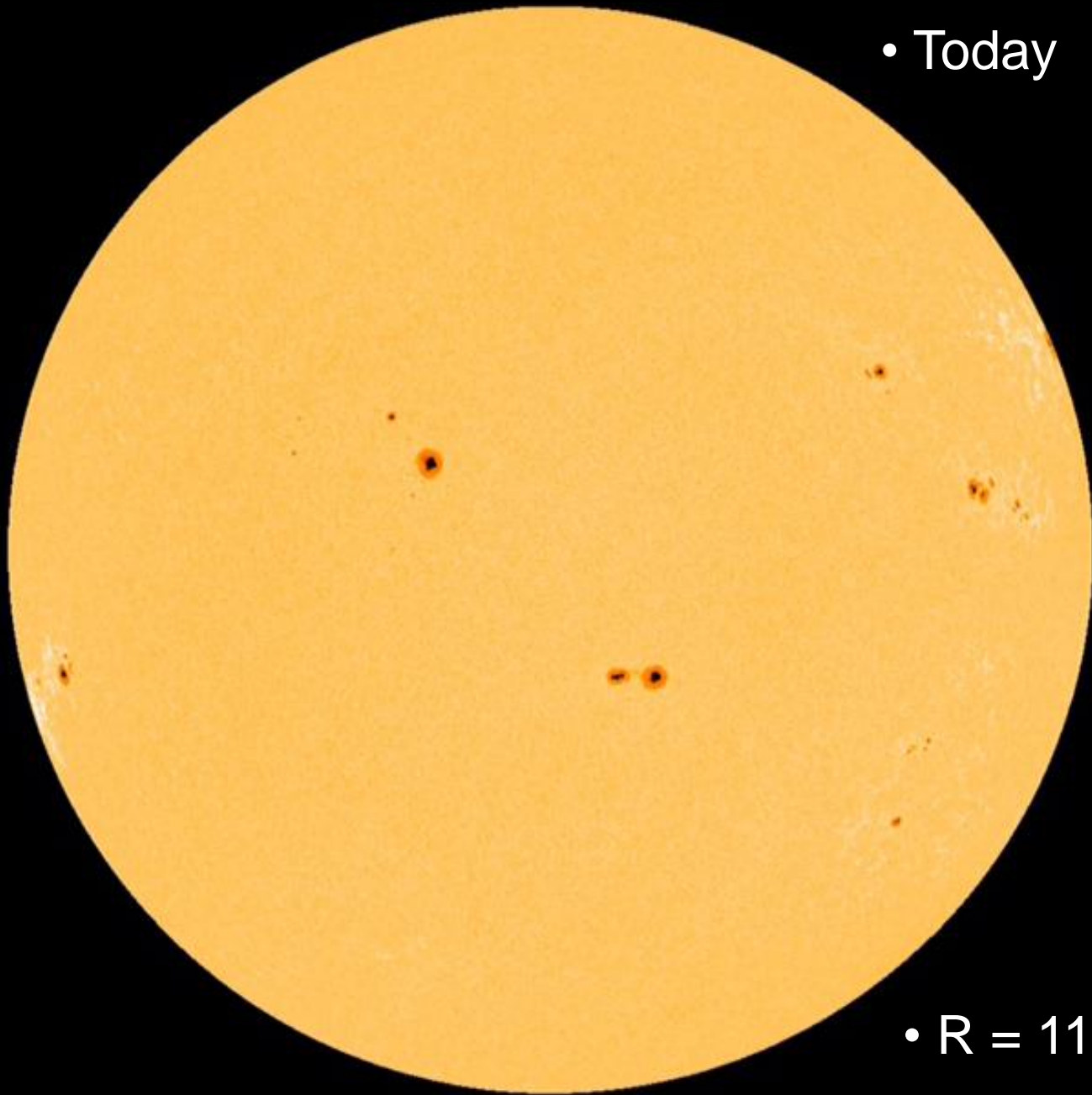
Bill Barton, FRAS

• Last Time



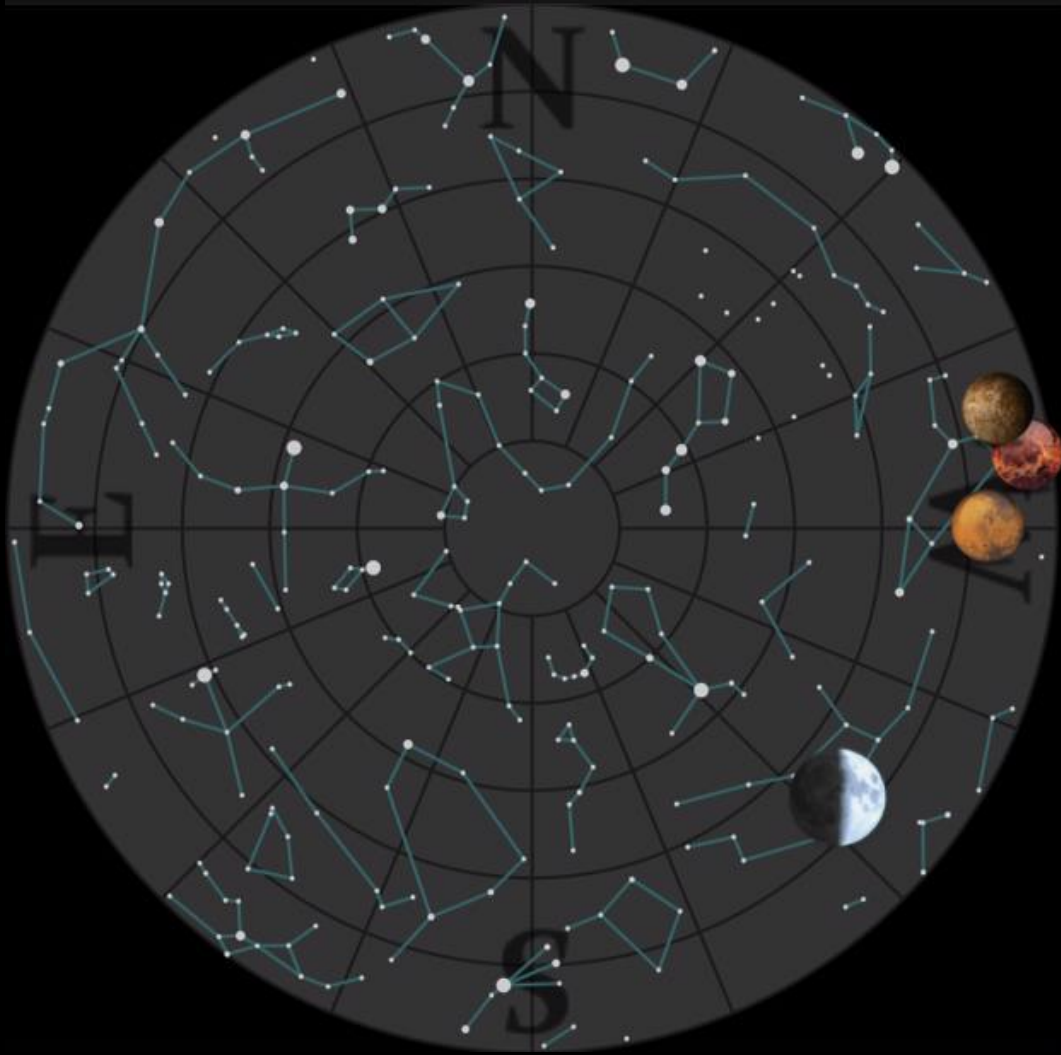
• $R = 180$

• Today

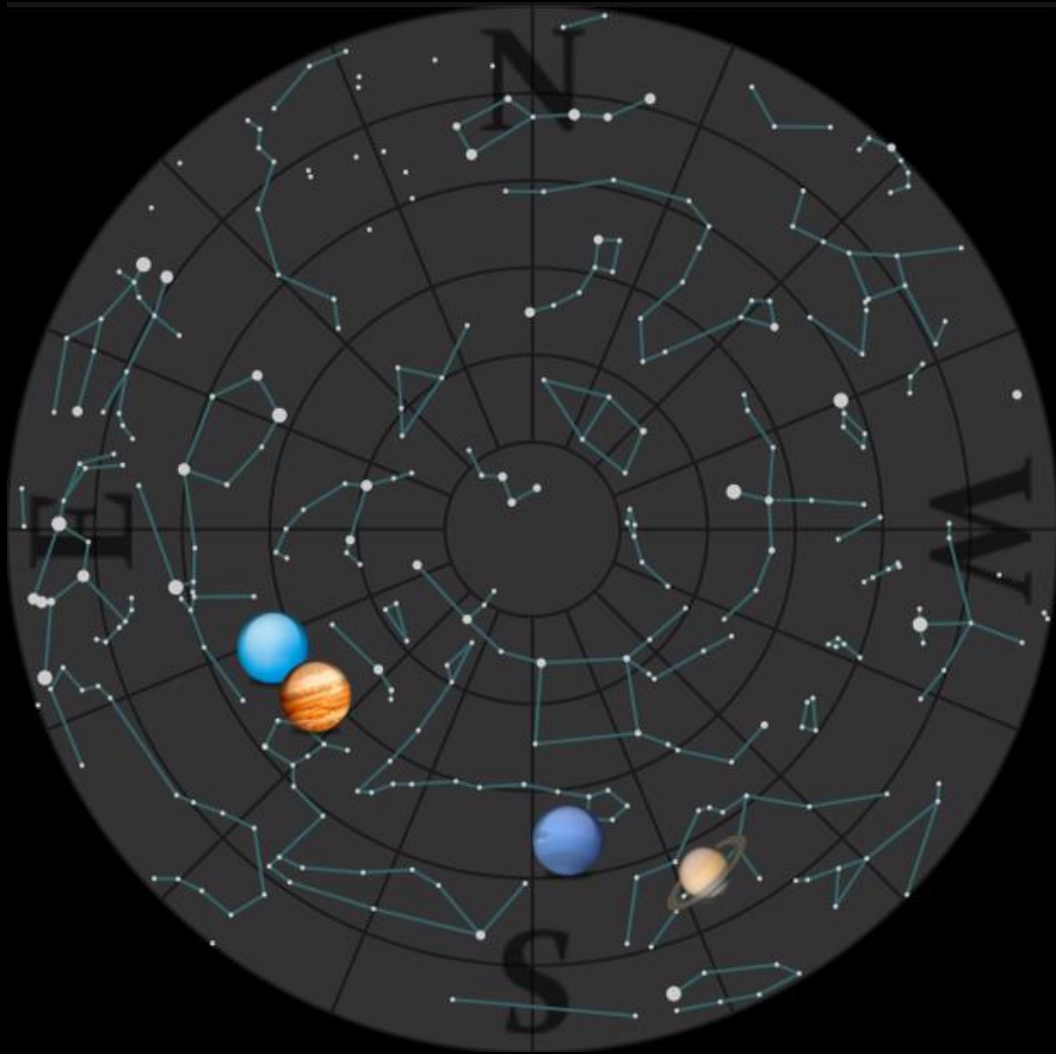


• R = 117

- The Sky 21:00 Tonight



- The Sky 05:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, equinox Sept. 23
 - Last sunspot min., Apr. 2020, next max., Jul. 2025 ($R \approx 115?$)
- Mercury
 - In evening sky, greatest elongation Aug. 10 (27°) currently 22° , mag -0.2 increasing (+5 to -2)
 - Inferior conjunction Sept. 06
 - Today, rise 07:00, transit 14:30, set 21:50
- Venus
 - In evening sky, greatest elongation June 04 (45°), currently 28°
 - Inferior conjunction Aug. 13
 - Today, rise 07:55, transit 14:45, set 21:30

Earth

- Time
 - 00:00UT \approx 20:05ST today
 - Today, sunrise 05:00, transit 13:00, sunset 21:00
 - End of period, sunrise 05:55, transit 12:55, sunset 19:50
- Moon
 - 🌑 First Quarter, 25 (tomorrow), Aug. 24
 - 🌕 Full, Aug. 01 ('Corn or Sturgeon' Moon), Aug. 31 (blue)
 - 🌑 Last Quarter, 08
 - 🌑 New, 16
- Meteors
 - Perseids, July 17-August 24, peak 08:00-11:00 Aug. 13, ZHR = 80+. This year new Moon is three days after peak activity

Outer Solar System

- Mars
 - Conjunction Nov. 18, opposition 2025 Jan. 16. Today, rise 08:30, transit 15:30, set 22:20
- Jupiter
 - Conjunction Apr. 11, opposition Nov. 03. Today, rise 00:05, transit 07:30, set 14:50
- Saturn
 - Conjunction Feb. 16, opposition Aug. 27. Today, rise 22:15, transit 03:20, set 08:30
- Uranus
 - Conjunction May 09, opposition Nov. 13, Today, rise 00:20, transit 08:05, set 15:50
- Neptune
 - Conjunction Mar. 15, opposition Sept. 19, Today, rise 22:45, transit 04:40, set 10:30

OASI Events

- Online
 - Thursday, Aug. 17, 20:00, monthly Zoom meeting
 - Recorded talk, Dr Ziri Younsi, “Imaging Black Holes with the Event Horizon Telescope”
- Public Outreach Safe Solar Observing
 - Bawdsey Radar Museum
 - Sunday, Aug. 27, times TBA

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - Aug. 20, 11:00-14:00, Solar Observing, Pakefield Cliffs
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - TBA
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - Aug. 2, 'Goddess of the Dawn', Andrew Green
 - Aug. 16, Southern Winter Constellations
 - Aug. 30, Mythology of Moons

National Events

- Society for Popular Astronomy
 - Meeting, Saturday July 29, 14:00-17:00, Gustave Tuck Lecture Theatre, University College London (also an online webinar)
 - Prof Andrew Pontzen (UCL-MSSL) 'The Universe in a Box'
 - Robin Scagell 'Sky Notes'
 - Graham Cluer 'Smart Telescopes'