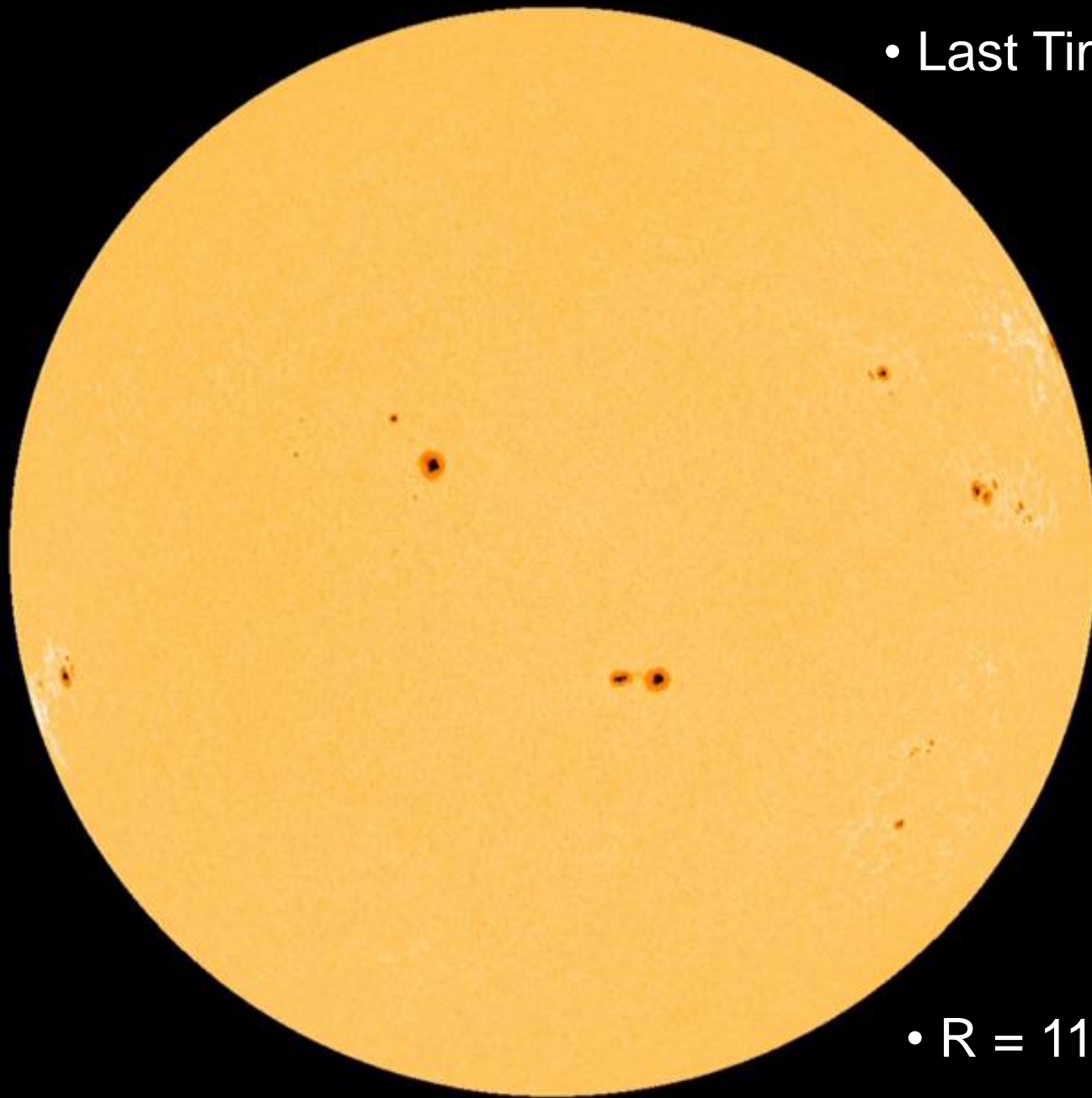


What's Up?

2023 August 28 to September 25

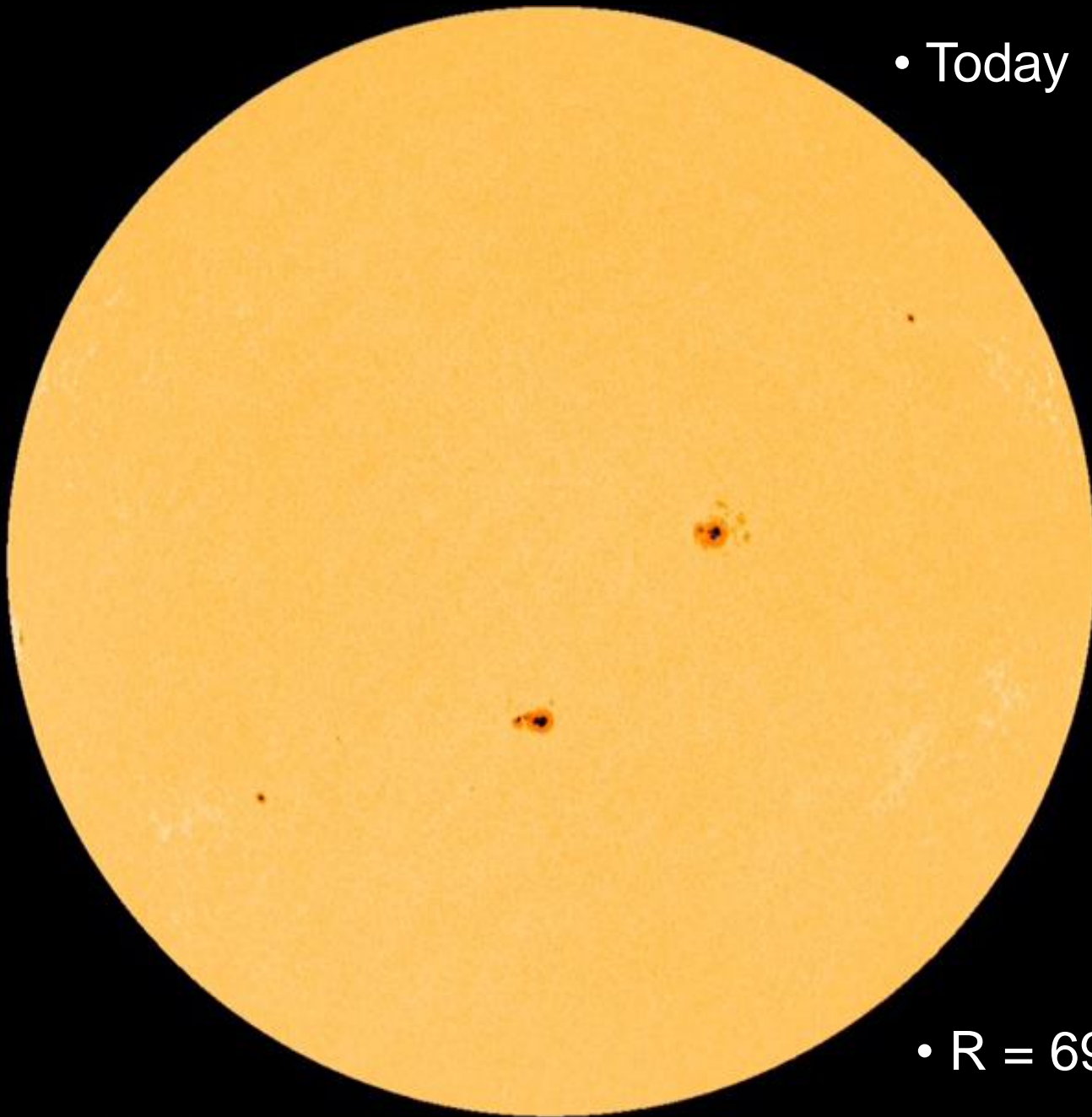
Bill Barton, FRAS

• Last Time



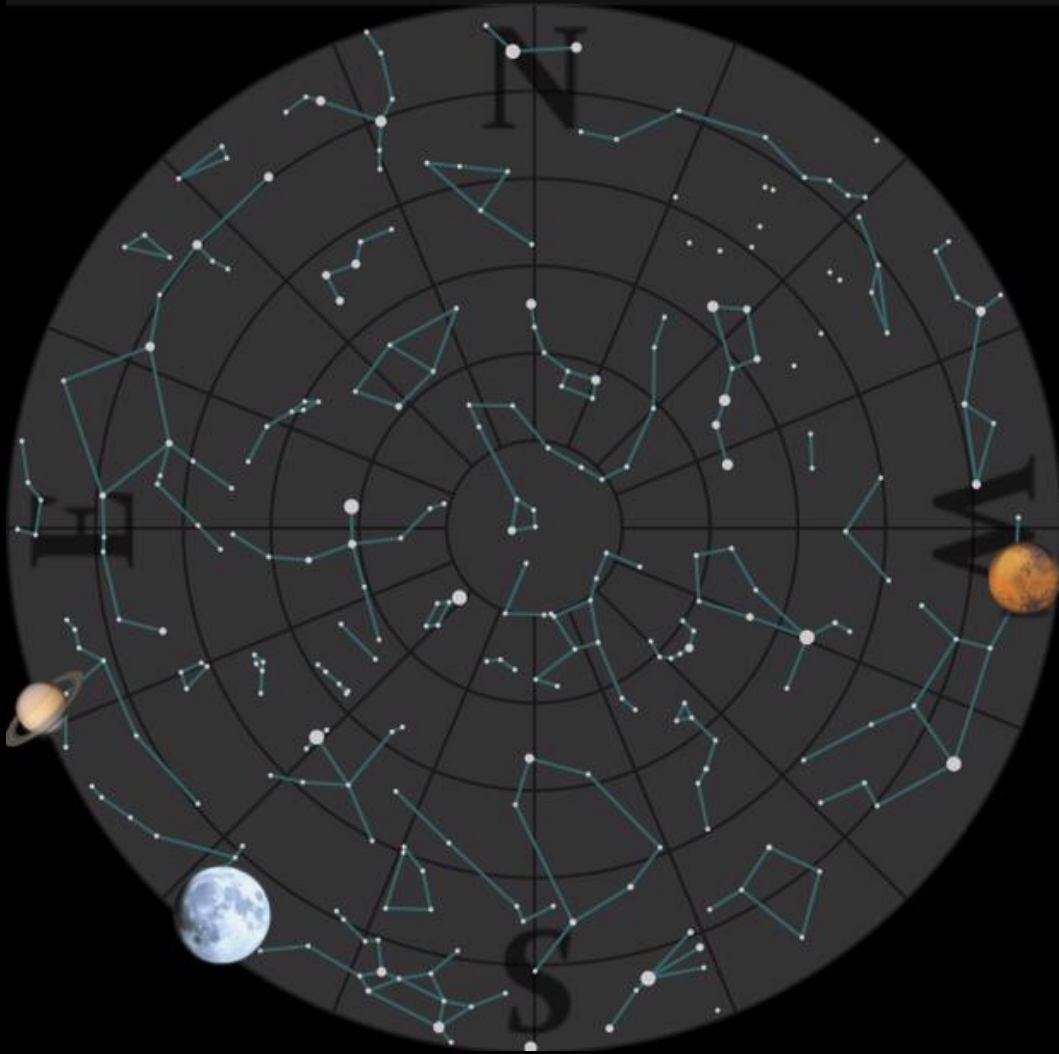
• R = 117

• Today

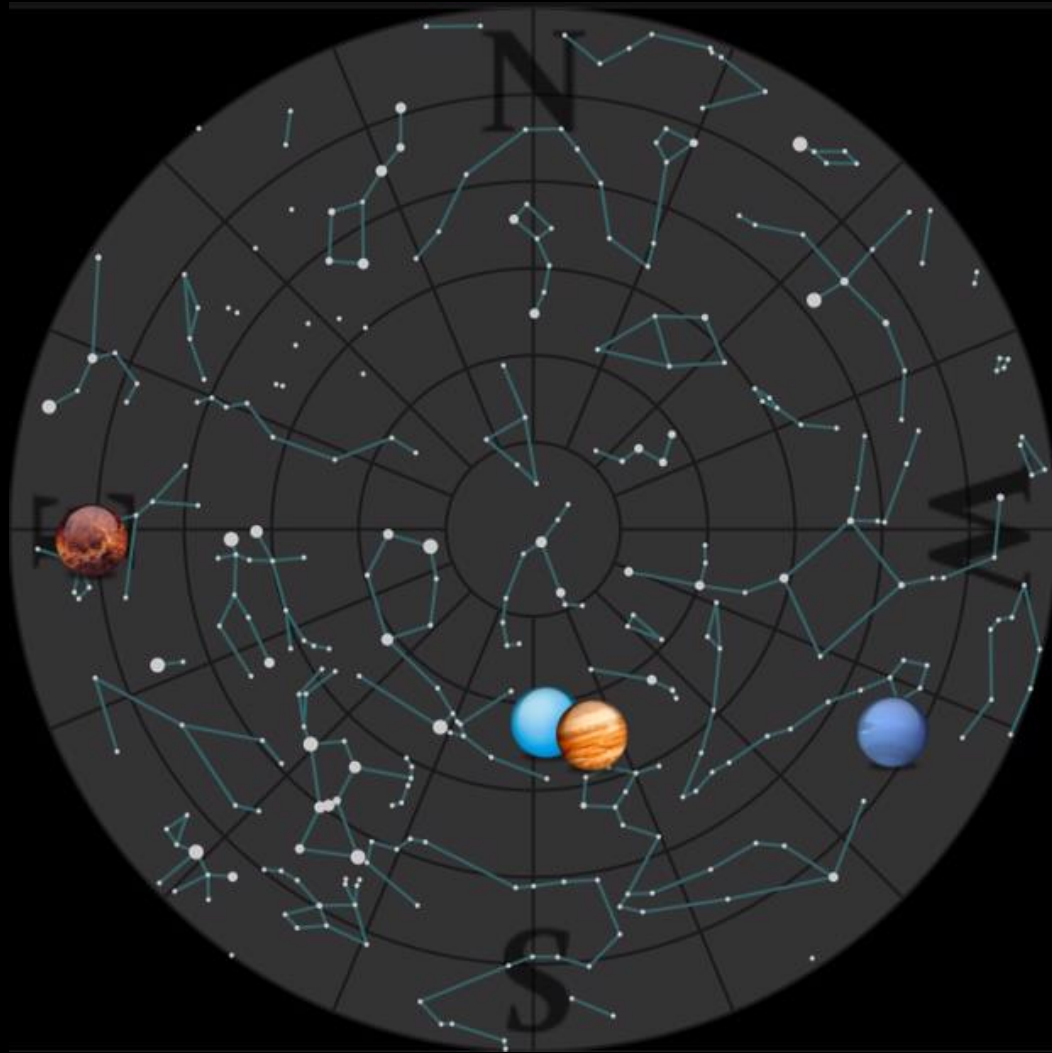


• R = 69

- The Sky 20:00
Tonight



- The Sky 06:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, equinox Sept. 23, solstice Dec. 22
 - Last sunspot min., Apr. 2020, next max., Jul. 2025 ($R \approx 115?$)
- Mercury
 - In evening sky, greatest elongation Aug. 10 (27°) currently 17° , mag +2.0, decreasing (+5 to -2)
 - Inferior conjunction Sept. 06
 - Then in morning sky, greatest elongation Sept. 22 (18°)
 - 'good observing' mid Sept.
 - Today, rise 07:45, transit 13:45, set 19:50
- Venus
 - In morning sky, greatest elongation Oct. 23 (46°), currently 23°
 - Today, rise 04:30, transit 11:20, set 18:15

Earth

- Time
 - 00:00UT \approx 22:25ST today
 - Today, sunrise 05:55, transit 12:55, sunset 19:50
 - End of period, sunrise 06:40, transit 12:45, sunset 18:45
 - Equinox is on Sept. 23
- Moon
 - 🌕 Full, 31 (blue)
 - 🌖 Last Quarter, Sept. 06
 - 🌑 New, 15
 - 🌒 First Quarter, 22
- Meteors
 - None of note this period

Occultations

- Moon
 - δ Arietis, mag +4.4, Sept. 05, DB, 03:47, RD, 05:00

Comet

- Nishimura
 - mag +7.8
 - Gemini - Cancer



Facing east-northeast at the start of dawn on August 24, 2023

Outer Solar System

- Mars
 - Conjunction Nov. 18. Opposition 2025 Jan. 16. Today, rise 08:20, transit 14:30, set 20:35
- Jupiter
 - Opposition Nov. 03. Conjunction 2024 May 18, Today, rise 21:55, transit 05:20, set 12:50
- Saturn
 - Opposition Aug. 27 (yesterday). Conjunction 2024 Feb. 28, Today, rise 19:55, transit 00:50, set 05:55
- Uranus
 - Opposition Nov. 13. Conjunction 2024 May 13. Today, rise 22:10, transit 05:50, set 13:30
- Neptune
 - Opposition Sept. 19. Conjunction 2024 March 17. Today, rise 20:30, transit 02:20, set 08:10

OASI Events

- Online
 - Friday, Sept. 01, 20:00, Zoom Committee Meeting
 - Thursday, Sept. 21, 20:00, Monthly Zoom Meeting
 - Dr Wolfgang Steinicke, “William Herschel - Discoverer of the Deep Sky” (recorded)

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - Sept. 10, Observing Meeting
 - Sept. 16/17, Outreach at Henham Steam Rally
 - Oct. 01, Dr Matt Bothwell, 'TBA'
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - TBA
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - Aug. 30, Mythology of Moons
 - Sept. 13, Dr Matt Bothwell, 'How Fast is the Universe Expanding?'
 - Sept. 27, AGM

National Events

- British Astronomical Association
 - Variable Star Section Meeting, Saturday Sept. 2, Northampton
 - Exoplanet Meeting, Saturday Sept.16, Webinar
 - Autumn Weekend Meeting, Friday-Sunday Sept. 22-24, Leicester (booking fee applies)

Introductory Astronomy Course for Members

I will be running an introductory astronomy course for beginners,
over 9 one hour sessions on Zoom.

The course will cover the following:

History of Astronomy (5th Sept)

The Solar System (12th Sept)

Earth Based Phenomena (26th Sept)

The Big Bang (3rd Oct)

Exo-Planets and Life (17th Oct)

Telescopes (31st Oct)

Radio Astronomy (7th Nov)

Exploring the Solar System (21st Nov)

Practical Astronomy (28th Nov)

Subject to numbers, the course will start on
Tuesday 5th September at 19:00

Please register via email to treasurer@oasi.org.uk