

What's Up?

2024 June 24 to July 22

Bill Barton, FRAS



Date: Saturday 20th July 2024.

Time: 1pm to 8pm-ish*. Setting up from 12 midday.

**Venue: Newbourne Village Hall, Mill Road, Newbourne,
WOODBIDGE, IP12 4NP.**

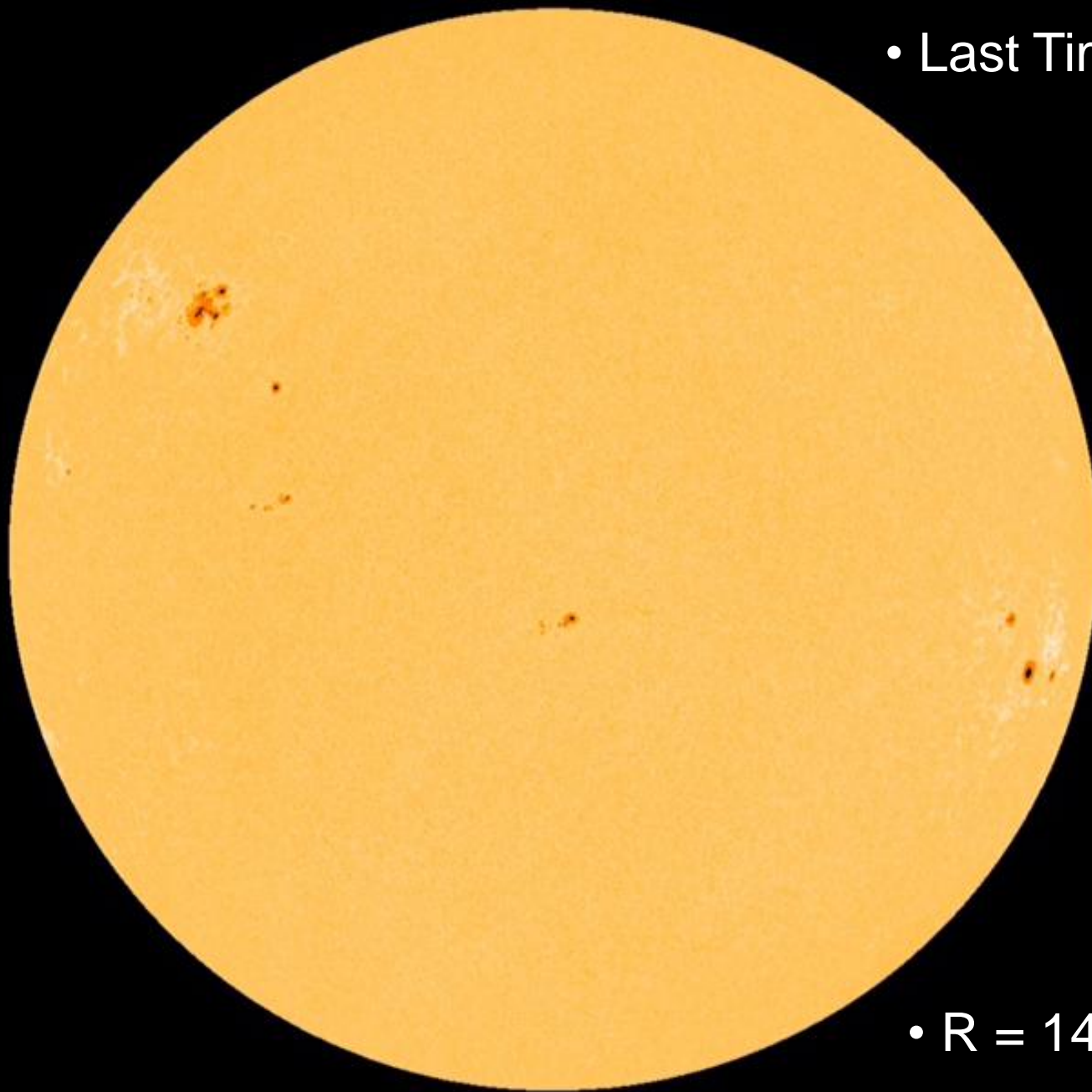
All OASI members, their families and friends are invited.

**If skies are clear the club's telescopes will be available for
observations - or bring your own.**

**Bring your own picnic food, drink, chairs, mats etc. A
barbecue will not be provided, but you can bring a
portable barbecue.**

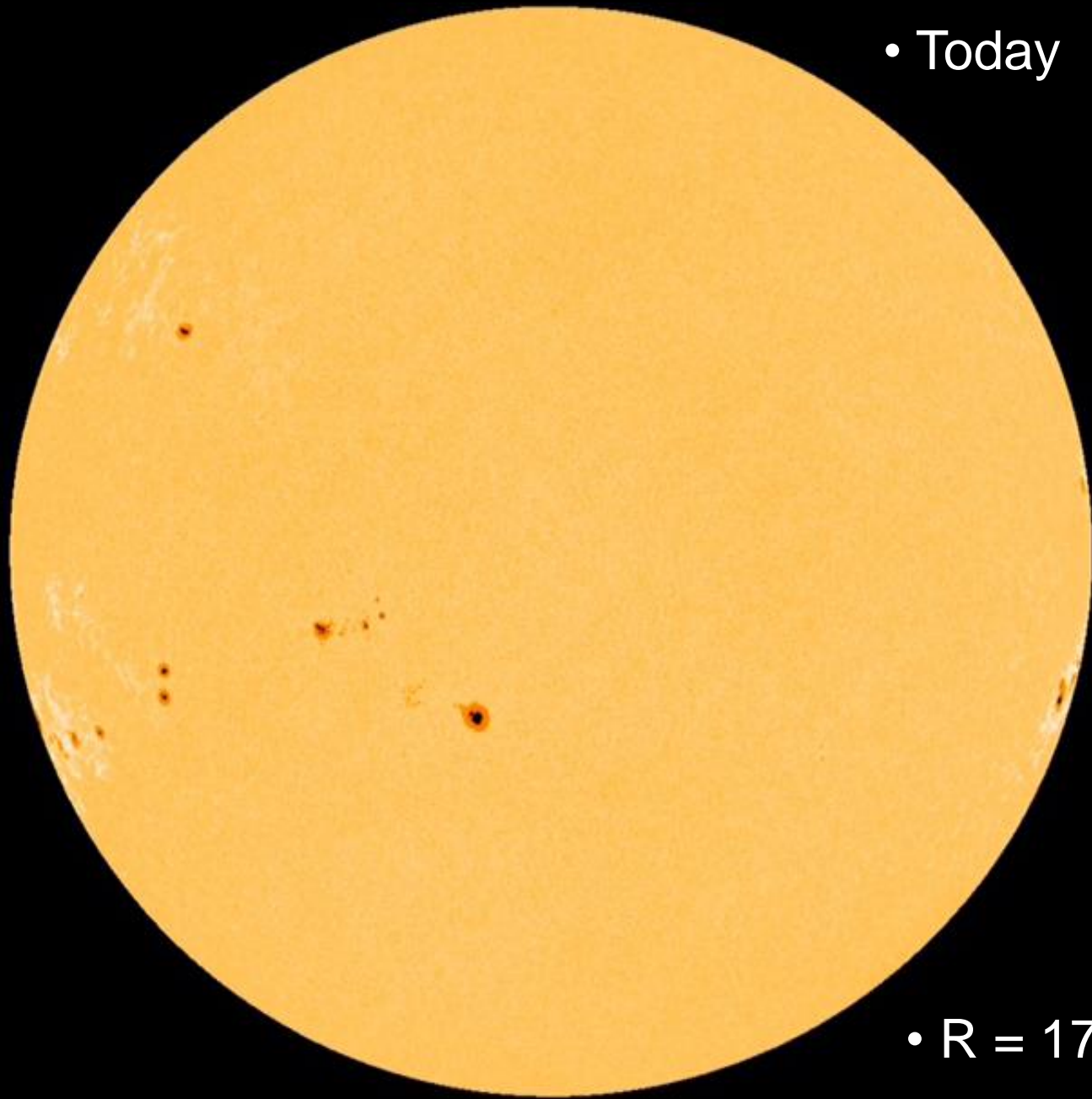
*** Possibly later for night-time observing if there is sufficient demand.**

• Last Time



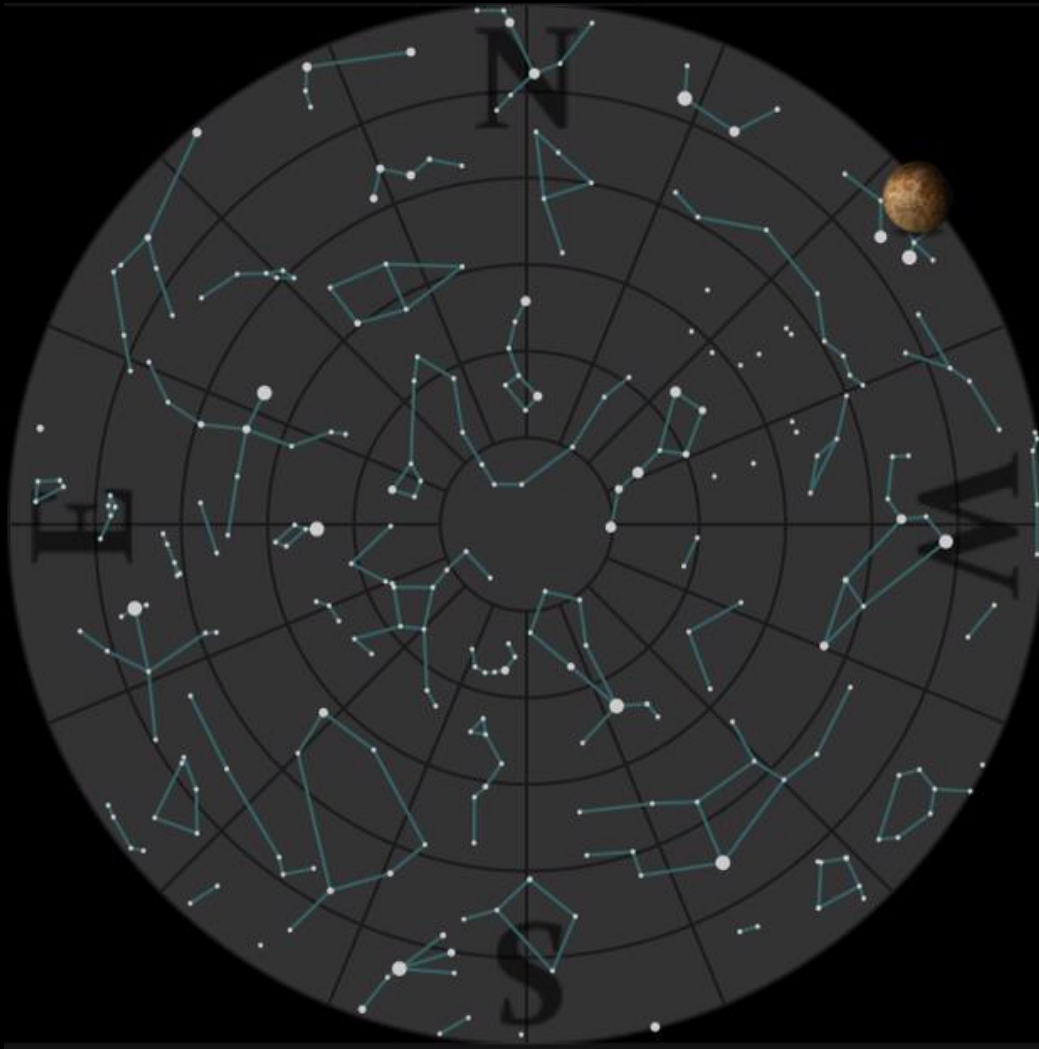
• R = 148

• Today

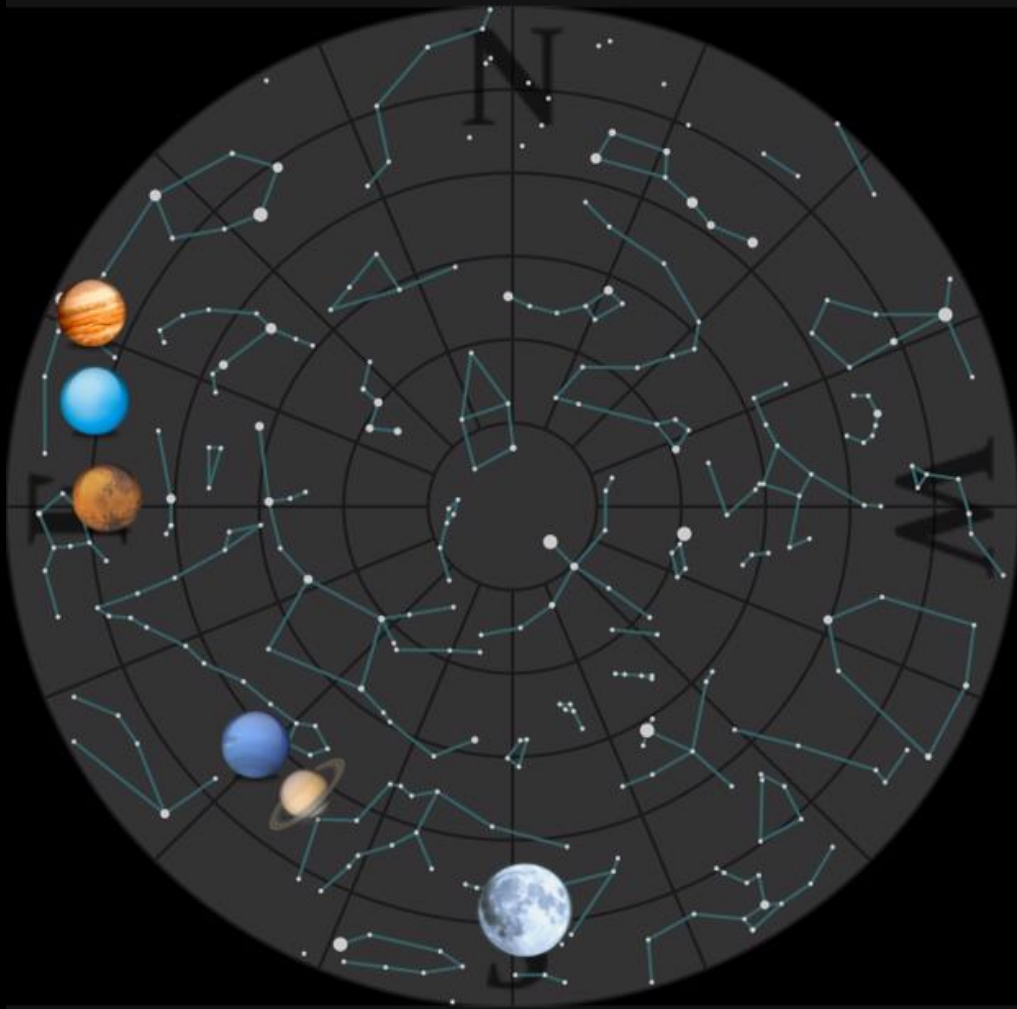


• R = 176

- The Sky 22:00
Tonight







- The Sky 04:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, aphelion Jul. 5, equinox Sept. 22
 - Last sunspot min., Apr. 2020, next max., now? or 2025?
- Mercury
 - In the evening sky, greatest elongation July 22 (27°), currently 11° , mag -1.2
 - Inferior conjunction Aug. 19
 - Early July “good observing opportunity”
 - Today, rise 05:15, transit 13:45, set 22:15
- Venus
 - Also in the evening sky, superior conjunction was on Jun. 04, and greatest elongation Jan. 04, 2025, currently 5°
 - today, rise 04:55, transit 13:20, set 21:40

Earth

- Time
 - 00:00UT \approx 18:10ST today
 - Today, sunrise 04:30, transit 12:55, sunset 21:20
 - End of period, sunrise 05:00, transit 13:00, sunset 21:00
- Moon
 -  Last Quarter, 28
 -  New, July 05
 -  First Quarter, 13
 -  Full, 21 (Hay or Thunder Moon)
- Meteors
 - Perseids, Jul. 17-Aug. 24, peak Aug. 12, ZHR = 80+

Conjunction

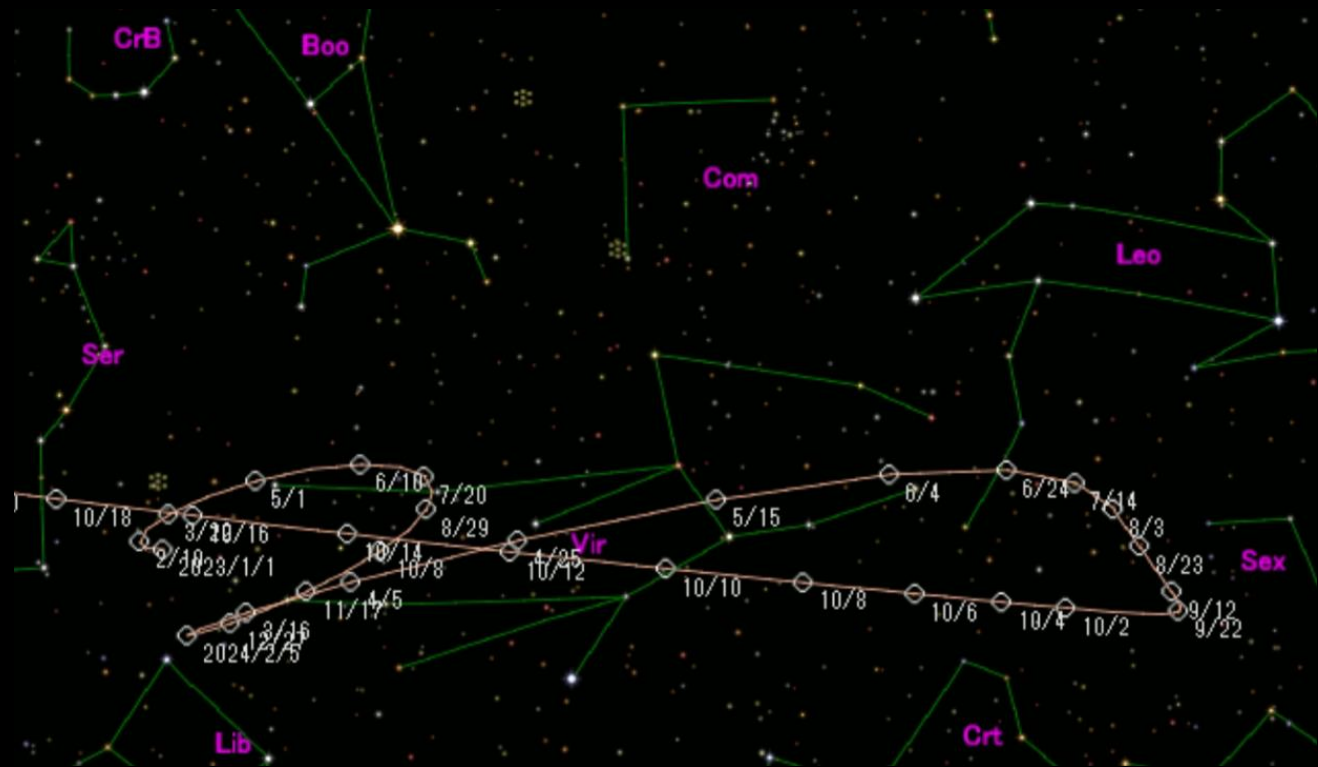
- June 27, 15:00
 - Saturn-Moon 0.08° apart

Outer Solar System

- Mars
 - Conjunction 2023 Nov. 18. Opposition 2025 Jan. 16. Today, rise 02:00, transit 09:15, set 16:35
- Jupiter
 - Conjunction May 18. Opposition Dec. 07. Today, rise 03:00, transit 11:00, set 19:00
- Saturn
 - Conjunction Feb. 28. Opposition Sept. 08. Today, rise 00:30, transit 06:00, set 11:30
- Uranus
 - Conjunction May 13. Opposition Nov. 17. Today, rise 02:20, transit 10:15, set 18:00
- Neptune
 - Conjunction Mar. 17. Opposition Sept. 21. Today, rise 00:45, transit 06:45, set 12:30

Comet

- C/2023 A3 (Tsuchinshan-ATLAS)
 - Perihelion, Sept. 27 (0.39au)
 - Perigee, Oct. 12 (0.47au, 184 LD), mag. -0.2?



OASI Events

- Monthly Zoom Meeting
 - Thursday July 18, from 8:00pm
- Picnic
 - Saturday July 20, 1:00pm-8:00pm ish, Newbourne
- Orwell Park Observatory
 - No access, Wednesdays July 31, August 7, & August 21

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - July 14, solar observing session, Carlton Colville
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - No information
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - July 03, Astronomical Instruments of Early Societies
 - July 17, Jupiter
- DAG (Diss)
 - Informal on FaceBook