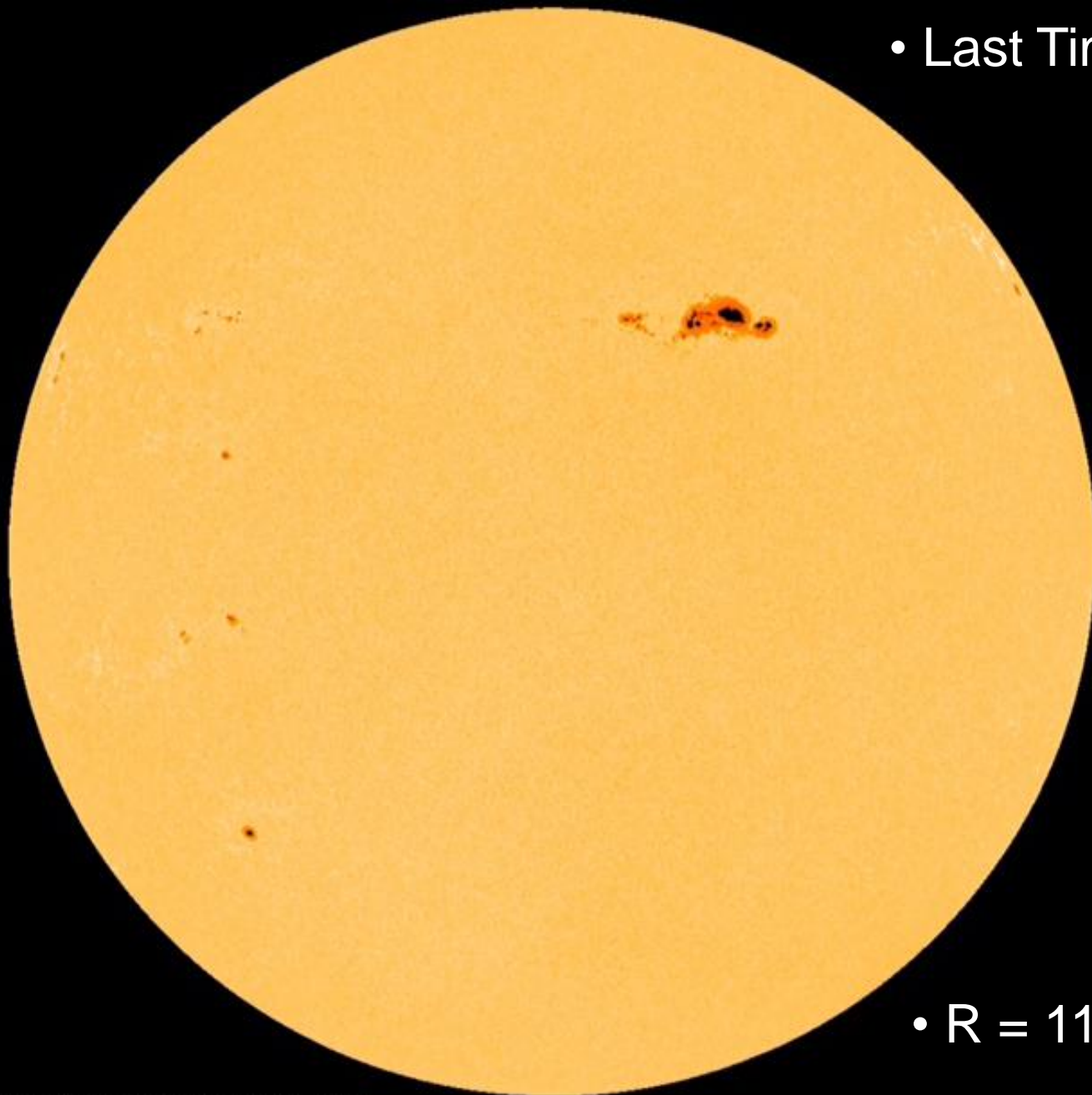


What's Up?

2024 March 25 to April 22

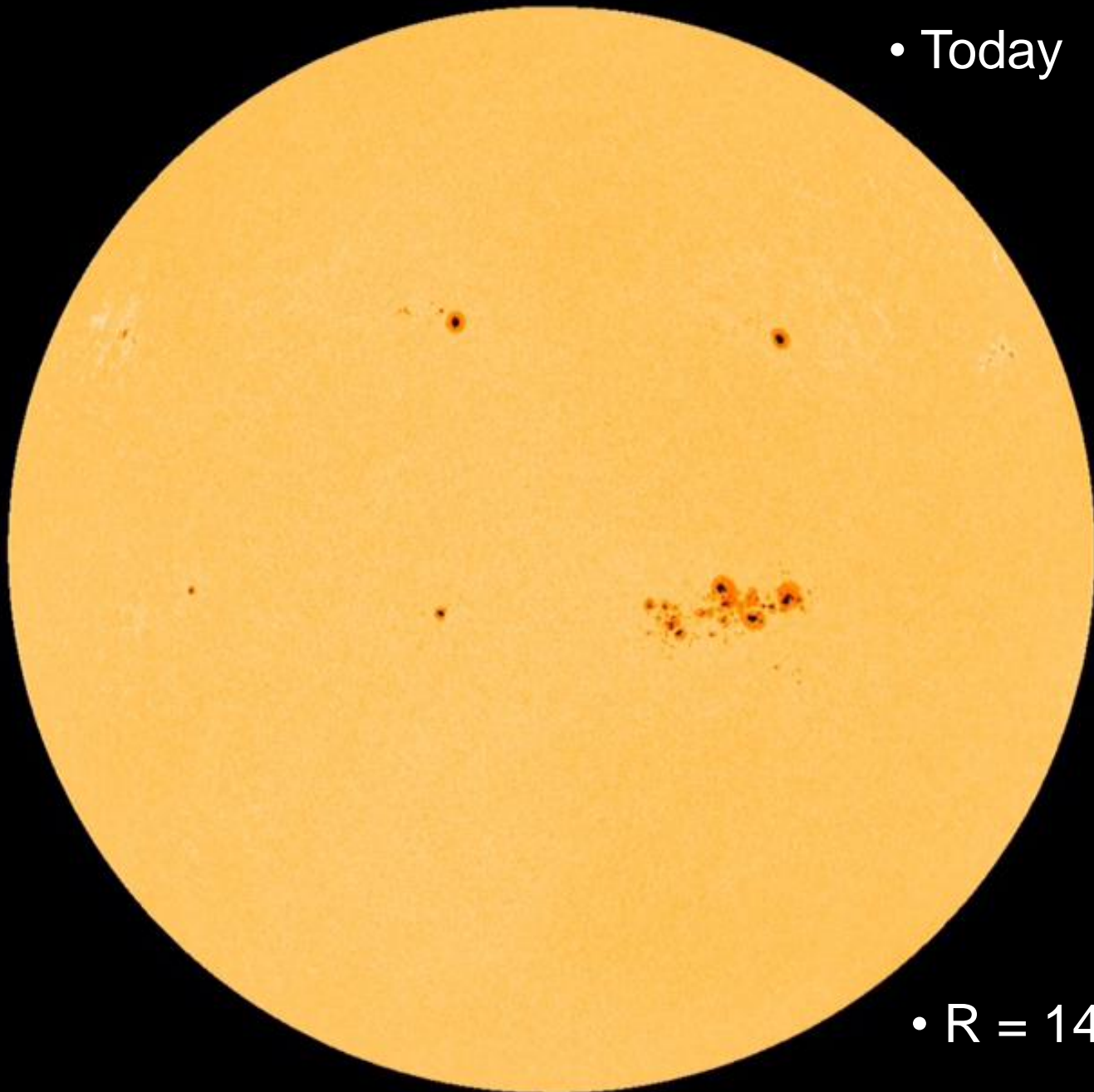
Bill Barton, FRAS

• Last Time



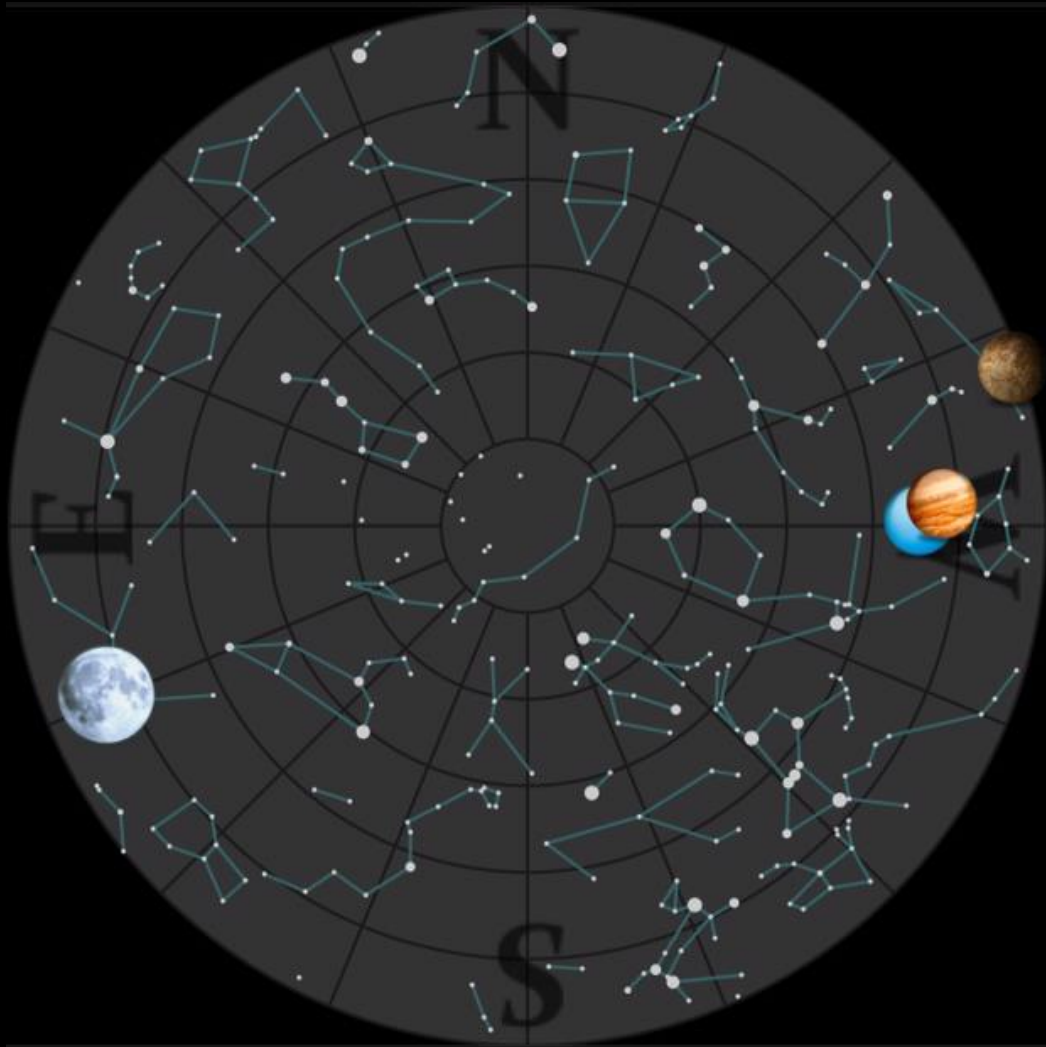
• R = 114

• Today

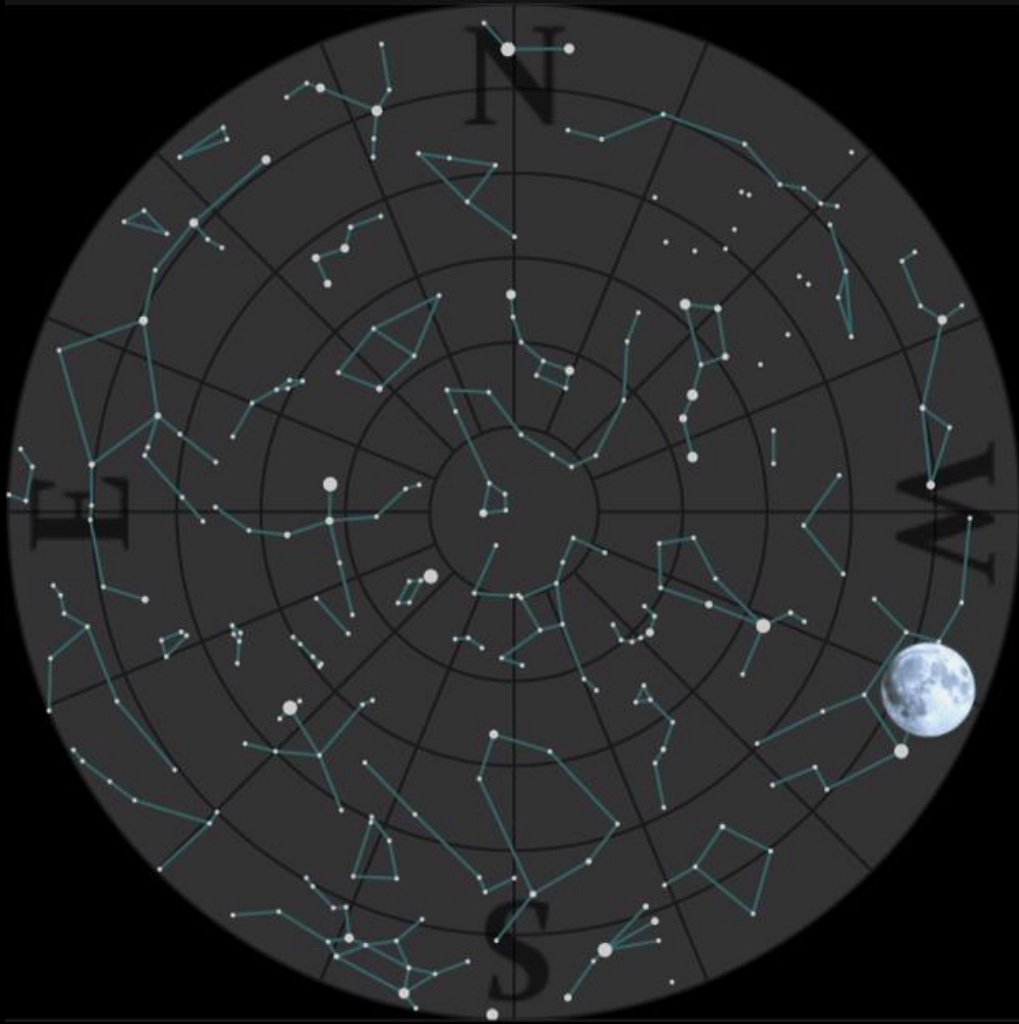


• R = 146

- The Sky 20:00
Tonight







- The Sky 05:00
Tomorrow



Inner Solar System

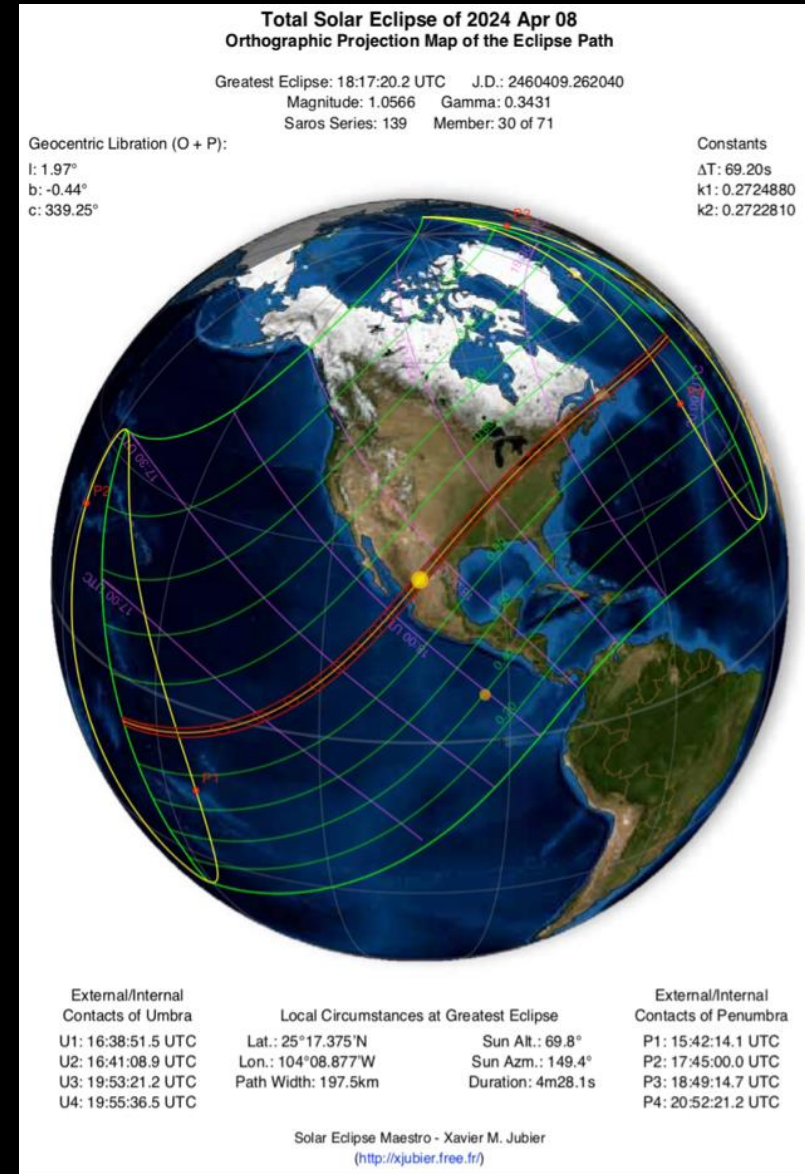
- Sun
 - Declination increasing, solstice Jun. 20, aphelion Jul. 5
 - Last sunspot min., Apr. 2020, next max., early-mid 2024?
- Mercury
 - In evening sky, current elongation 18° , mag 0.0
 - Inferior conjunction (nearside of Sun), Apr. 11
 - Then in the morning sky, greatest elongation May 9 (26°)
 - Today, rise 06:00, transit 13:00, set 20:05
 - “Good observing” opportunity just now
- Venus
 - In morning sky, and currently 18°
 - Superior conjunction, Jun. 04
 - today, rise 05:25, transit 10:50, set 16:20

Earth

- Time
 - 00:00UT \approx 12:10ST today
 - Today, sunrise 05:45, transit 12:00, sunset 18:15
 - End of period, sunrise 05:40, transit 12:50, sunset 20:05
 - BST starts, 01:00 Mar. 31
- Moon
 -  Last Quarter, Apr. 02
 -  New, Apr. 08 + eclipse
 -  First Quarter, Apr. 15
 -  Full, Apr. 23 ('Seed or Egg' Moon)
- Meteors
 - None of note this period

Eclipse

- Total Solar
 - Apr. 8
 - not visible from UK
 - maximum duration 4^m 28^s

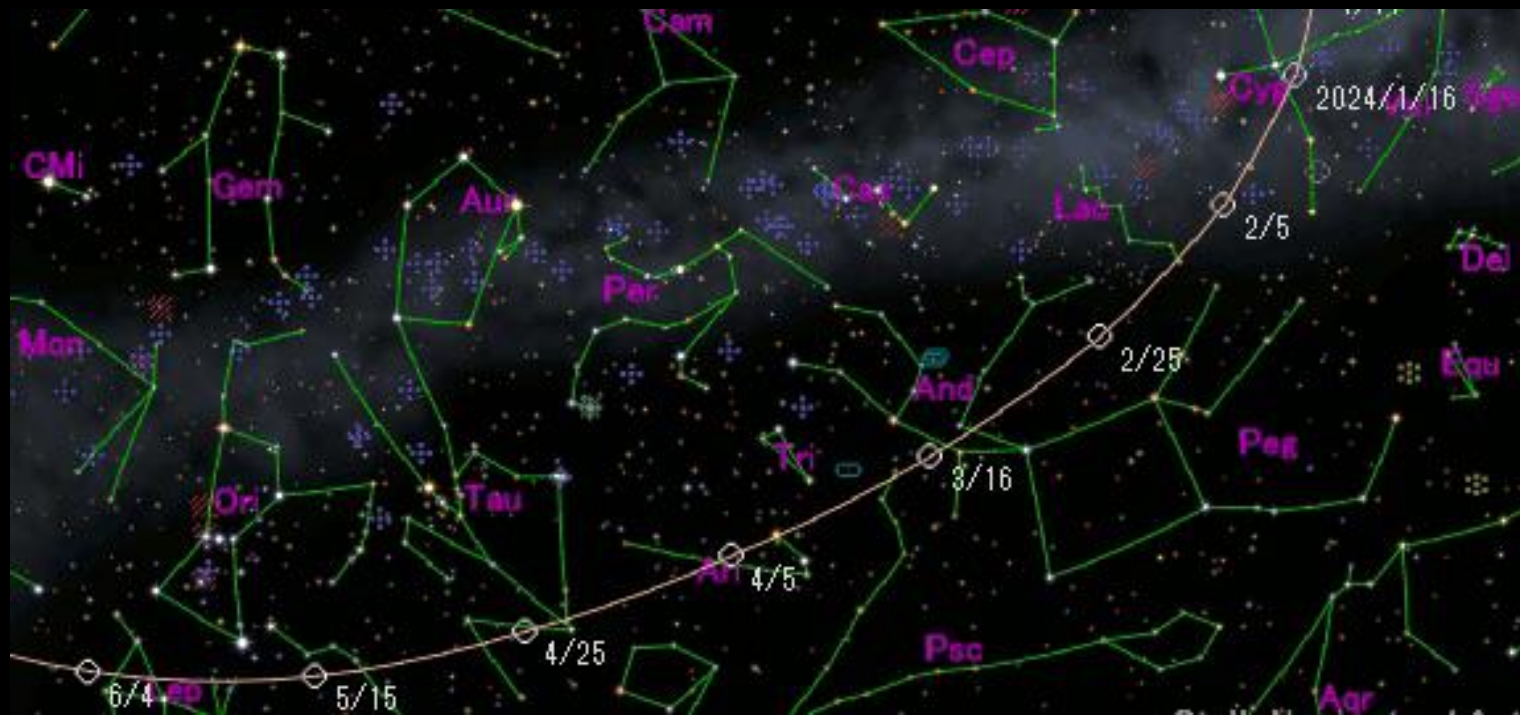


Outer Solar System

- Mars
 - Conjunction 2023 Nov. 18. Opposition 2025 Jan. 16. Today, rise 05:00, transit 09:55, set 15:00
- Jupiter
 - Conjunction May 18. Opposition Dec. 07. Today, rise 07:00, transit 14:30, set 22:00
- Saturn
 - Conjunction Feb. 28. Opposition Sept. 08. Today, rise 05:15, transit 10:35, set 16:00
- Uranus
 - Conjunction May 13. Opposition Nov. 17. Today, rise 07:10, transit 14:50, set 22:30
- Neptune
 - Conjunction Mar. 17. Opposition Sept. 21. Today, rise 05:40, transit 11:30, set 17:20

Comet

- 12P/Pons-Brooks
 - Currently low in the West after sunset
 - Perihelion, Apr. 21
 - Perigee, Jun. 2, mag. 4.5?



OASI Events

- Zoom Meeting
 - Apr. 18, from 8:00pm

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - Apr. 7, observing session
 - Apr. 21 'Being a Professional Amateur', Mike Poxon
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - No information
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - Mar. 27 'The Effects of Solar Eclipses on Societies
 - Apr. 10 'Inner Planets'
- DAG (Diss)
 - Informal on FaceBook

National Events

- British Astronomical Association
 - Institute of Physics, 37 Caledonian Road, London, N1 9BU (also livestream)
 - Wednesday 27 Mar. 17:00-20:00
 - Richard McKim 'Current BAA Studies of Mars'
 - John Rogers 'Jupiter'
 - Nick James 'Sky Notes'
- Society for the History of Astronomy
 - Spring Conference
 - Birmingham & Midland Institute, 9 Margaret St., Birmingham
 - Saturday Apr. 20, 09:30-17:00
 - 'Astronomers Royal'