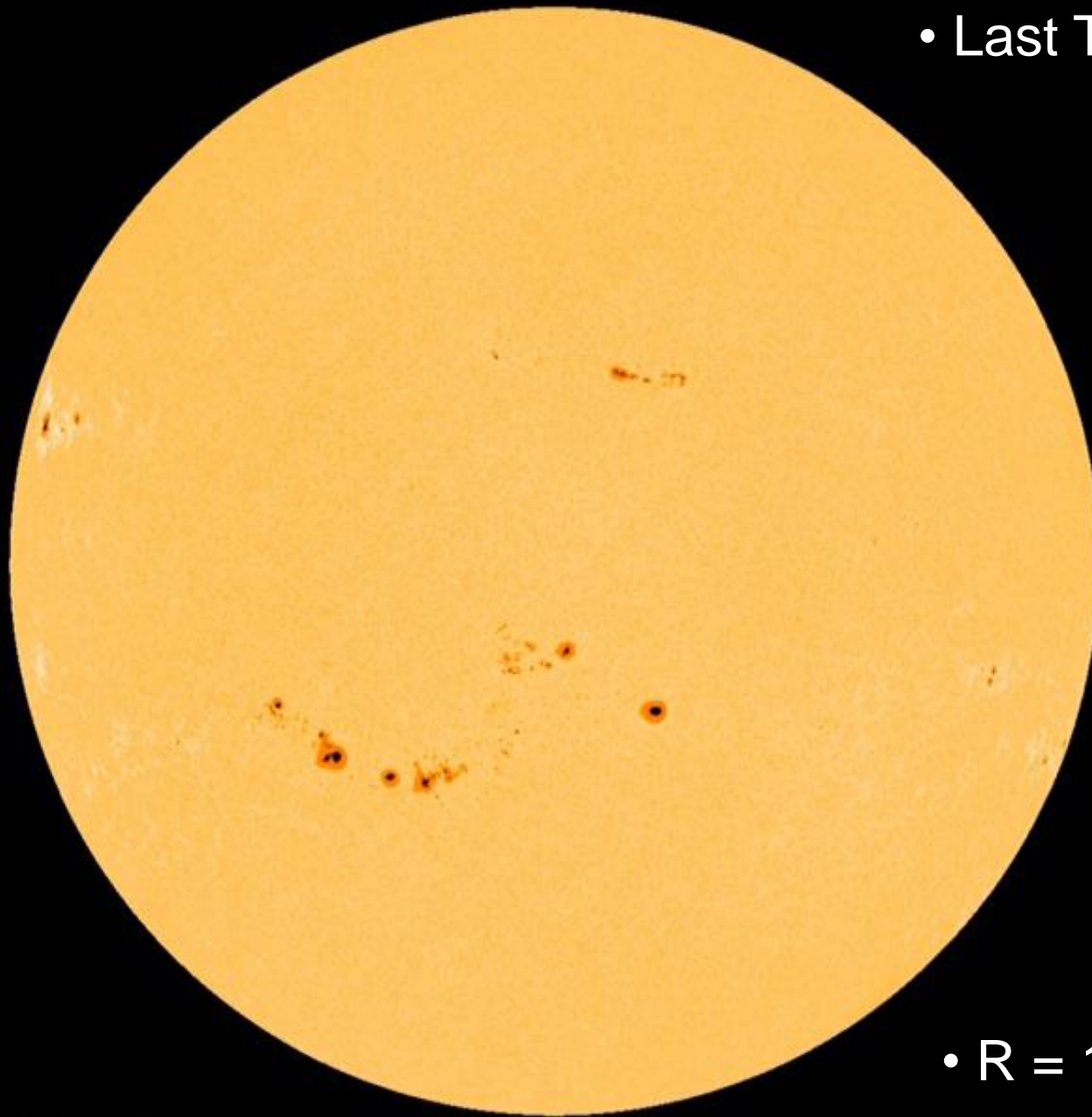


What's Up?

2024 November 25 to 2025 January 27

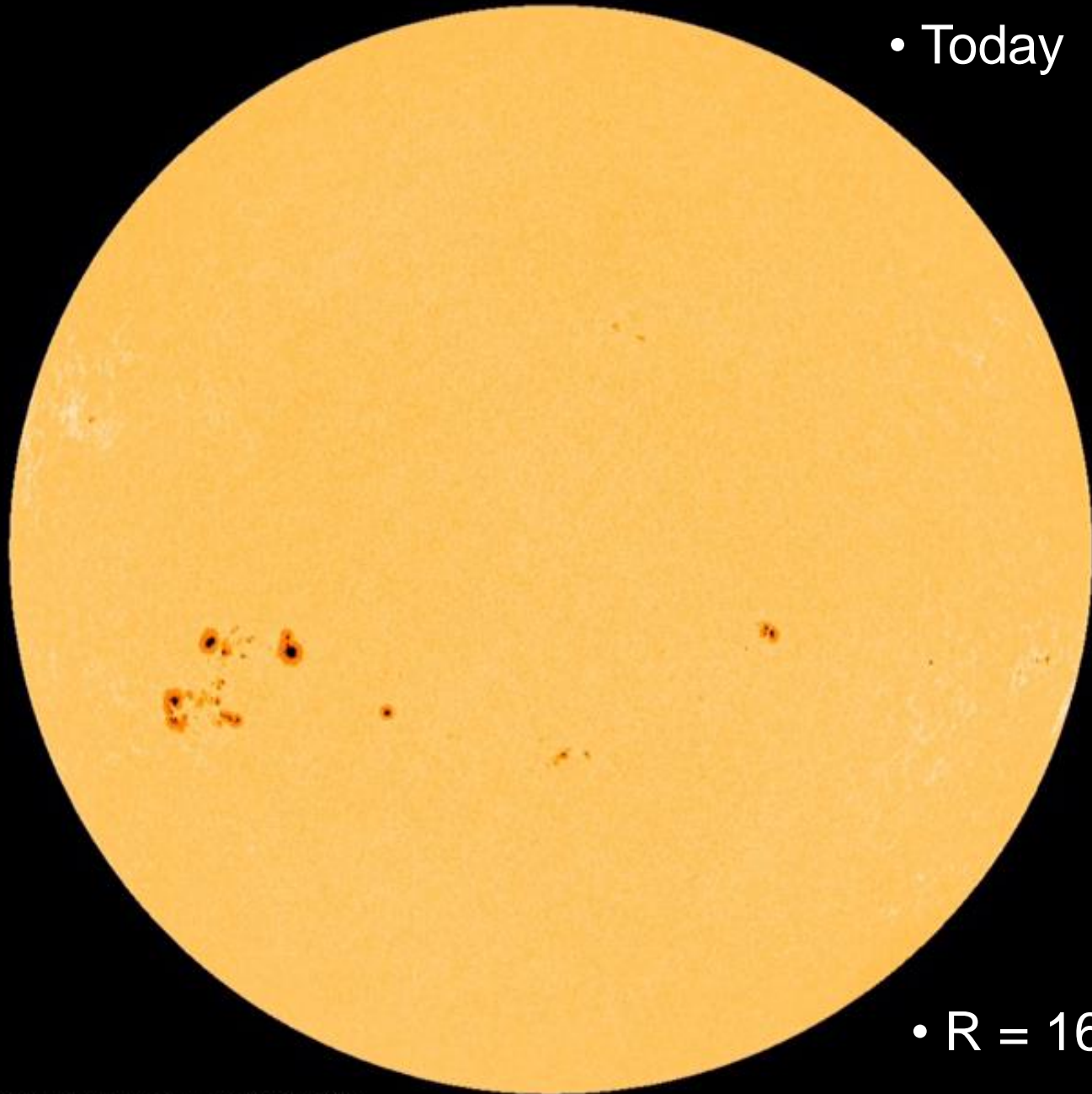
Bill Barton, FRAS

• Last Time



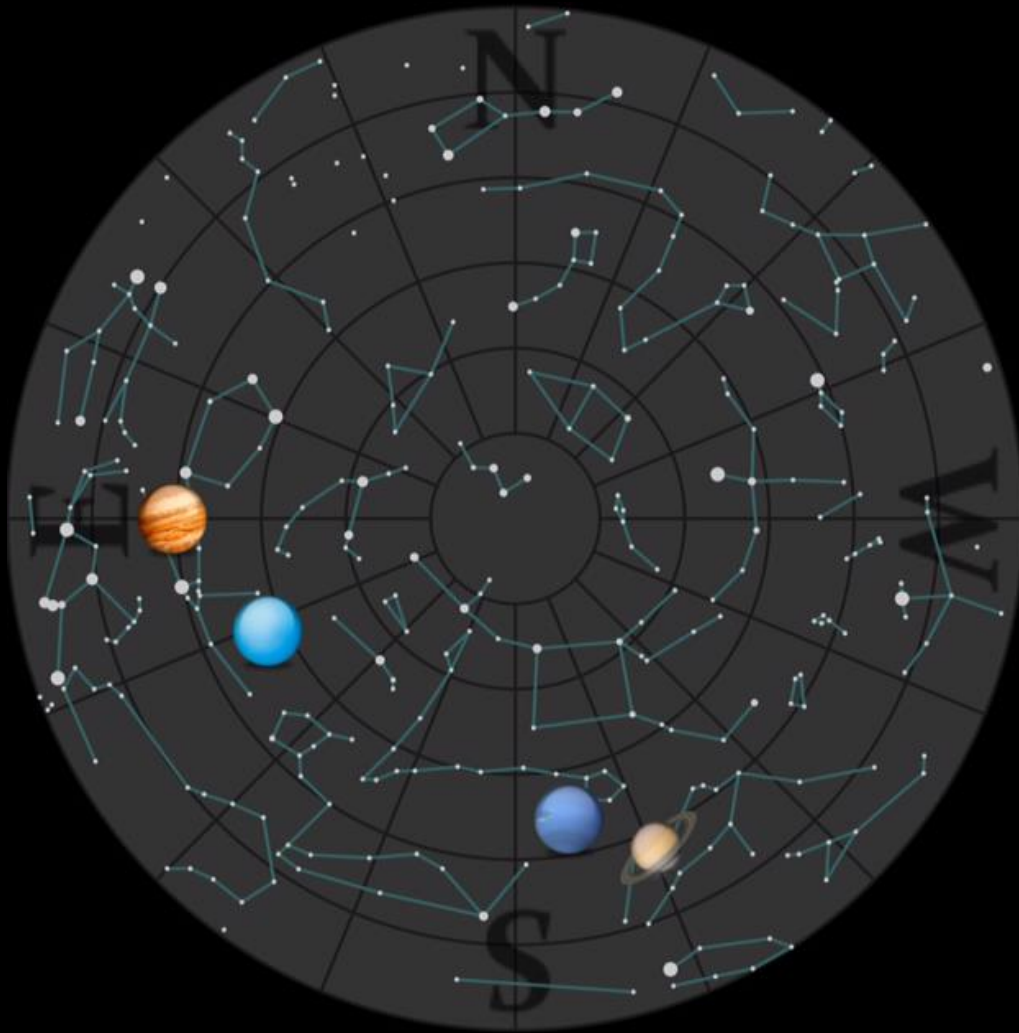
• R = 198

• Today

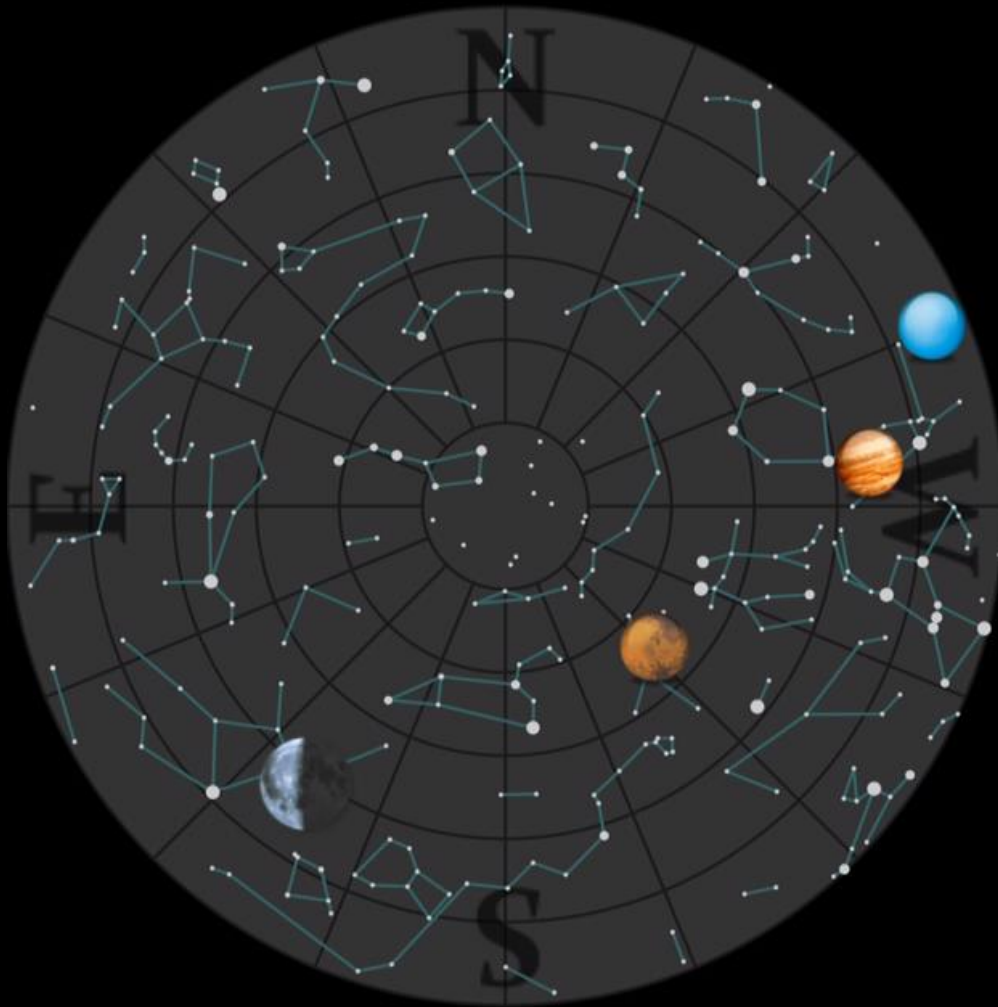


• R = 164

- The Sky 20:00
Tonight







- The Sky 06:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, solstice December 21, perihelion January 04, 2025
 - Last sunspot min., Apr. 2020, next max., now? or 2025?
- Mercury
 - In the evening sky greatest elongation was on Nov. 16 (23°), currently, 15°
 - Inferior conjunction, December 06
 - Then in the morning sky with greatest elongation on Dec 25 (22°)
 - Today, rise 09:25, transit 13:00, set 16:40
- Venus
 - In the evening sky, greatest elongation January 10, 2025 (47°) currently 43° , inferior conjunction March 23, 2025
 - today, rise 11:05, transit 14:45, set 18:20

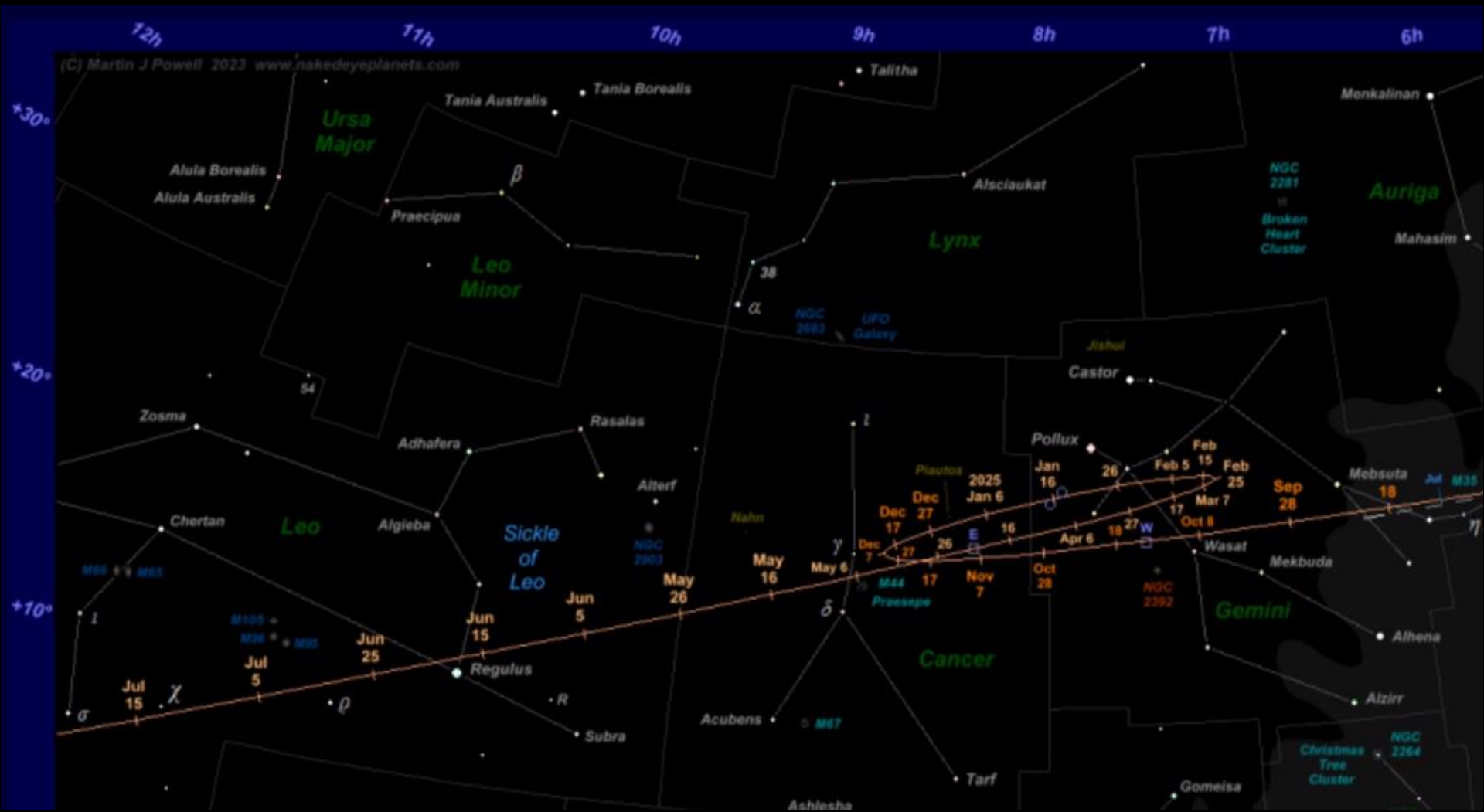
Earth

- Time
 - 00:00UT \approx 04:20ST today
 - Today, sunrise 07:30, transit 11:40, sunset 15:50
 - End of period, sunrise 07:40, transit 12:05, sunset 16:30
- Moon
 -  New, December 01, 30 (Black Moon)
 -  First Quarter, 08, Jan 06
 -  Full, 15 (Long Night Moon), Jan 13 (Wolf or Old Moon)
 -  Last Quarter, 22, Jan 21
- Meteors
 - Geminids, December 04-17, peak Dec 13, ZHR = 100+
 - Quadrantids, Dec 28-Jan 12, peak Jan 04, ZHR = 80+

Lunar Occultation

- Mars
 - Wednesday, December 18, daylight event 09:26 - 10:17
 - Mars, magnitude -0.9

Mars



Outer Solar System

- Mars
 - Conjunction 2023 November 18. Opposition 2025 January 16. Today, rise 20:00, transit 04:05, set 12:10
- Jupiter
 - Opposition December 07. Conjunction June 24, 2025. Today, rise 16:30, transit 00:45, set 08:50
- Saturn
 - Opposition September 08. Conjunction March 12, 2025. Ring plane crossing March 23, 2025. Today, rise 13:15, transit 18:30, set 23:50
- Uranus
 - Opposition November 17. Conjunction May 17, 2025. Today, rise 15:15, transit 23:00, set 06:45
- Neptune
 - Opposition September 21. Conjunction March 19, 2025. Today, rise 13:35, transit 19:20, set 01:10

OASI Events

- Zoom Committee Meeting
 - Friday November 29, from 8:00pm
- Christmas Meal
 - Thursday December 05, from 8:00pm, Newbourne Fox
- Christmas Newbourne Meeting
 - Monday December 09, from 7:30pm
 - Quiz, bring your own nibbles!
 - only Newbourne Village Hall meeting in December

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - January 05, observing meeting
 - January 19, lecture meeting, 'Tuning in to an invisible universe: a radio telescope view on the night sky', Frits Sweijen
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - No information
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - December 11, Impacts - the story of terrestrial and extra terrestrial impacts
 - January 08, practical evening
- DAG (Diss)
 - Informal on FaceBook & WhatsApp

BAA Meetings

- Saturday December 07, 2:00pm-6:00pm, Institute of Physics, 37 Caledonian Rd., London, N1 9BU (free booking required)
 - 'Is the Universe expanding too fast', Prof Alan Heavens
 - 'Interstellar Magnetic Fields', Dr Kate Pattle
 - 'Skynotes', drinks and mince pies after
- Saturday January 18, same time & location
 - 'Sky for All: bringing the Universe closer to young minds', Srilakshmi Ramakrishnan
 - 'The LUMIO Lunar Mission & amateur impact flash detection', Tony Cook
 - 'British independent discoveries of the 1946 eruption of T Coronae Borealis', Jeremy Shears
 - 'Skynotes'
- also on YouTube

SPA Meeting

- Saturday January 25, 2:30pm-6:00pm, Gustave Tuck Lecture Theatre, UCL, Gower St, London, WC1E 6BT
 - 'Finding planet b', Hannah Osborne
 - 'Skynotes', Robin Scagell