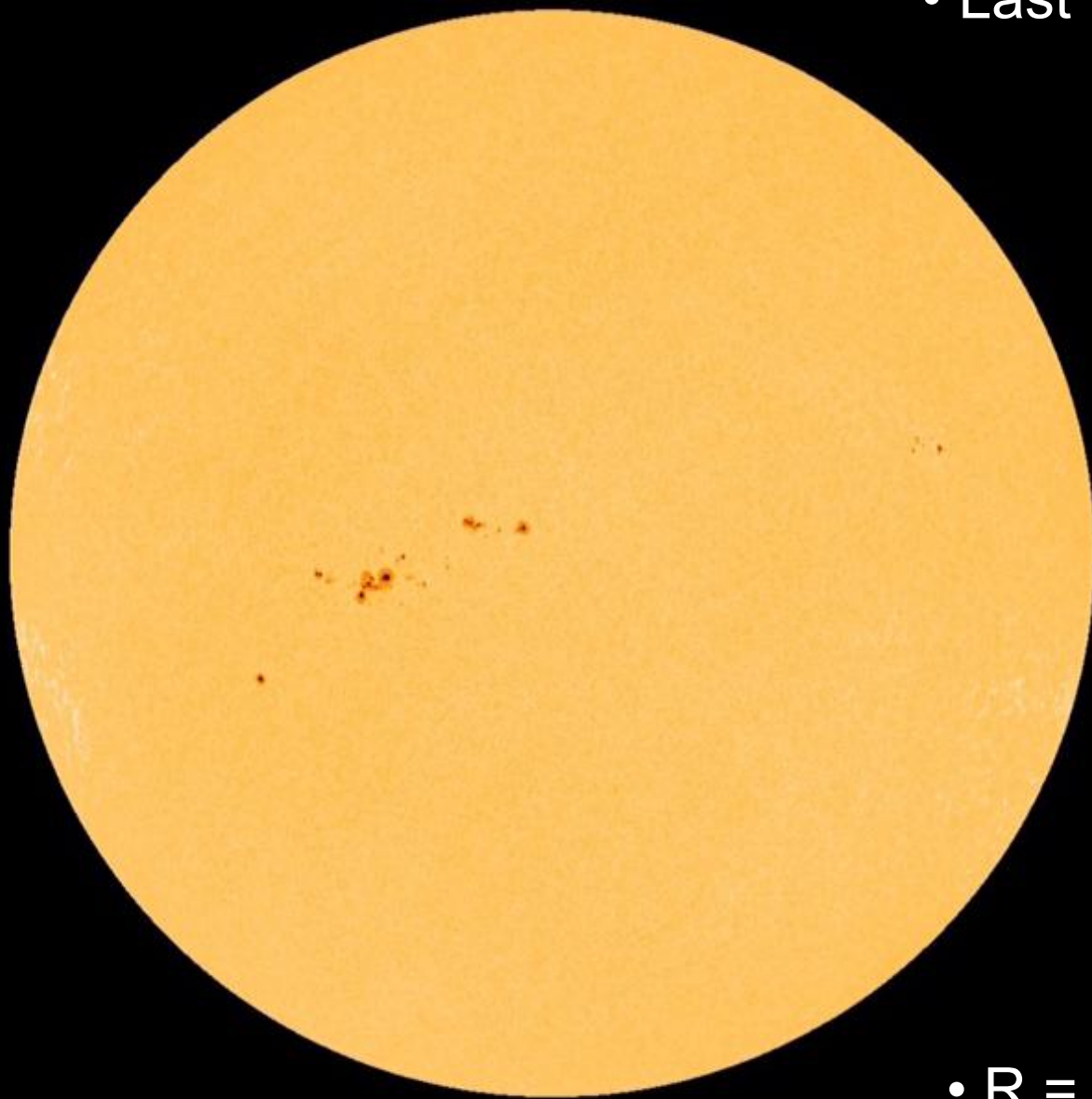


What's Up?

2026 September 28 to October 26

Bill Barton, FRAS

- Last Time



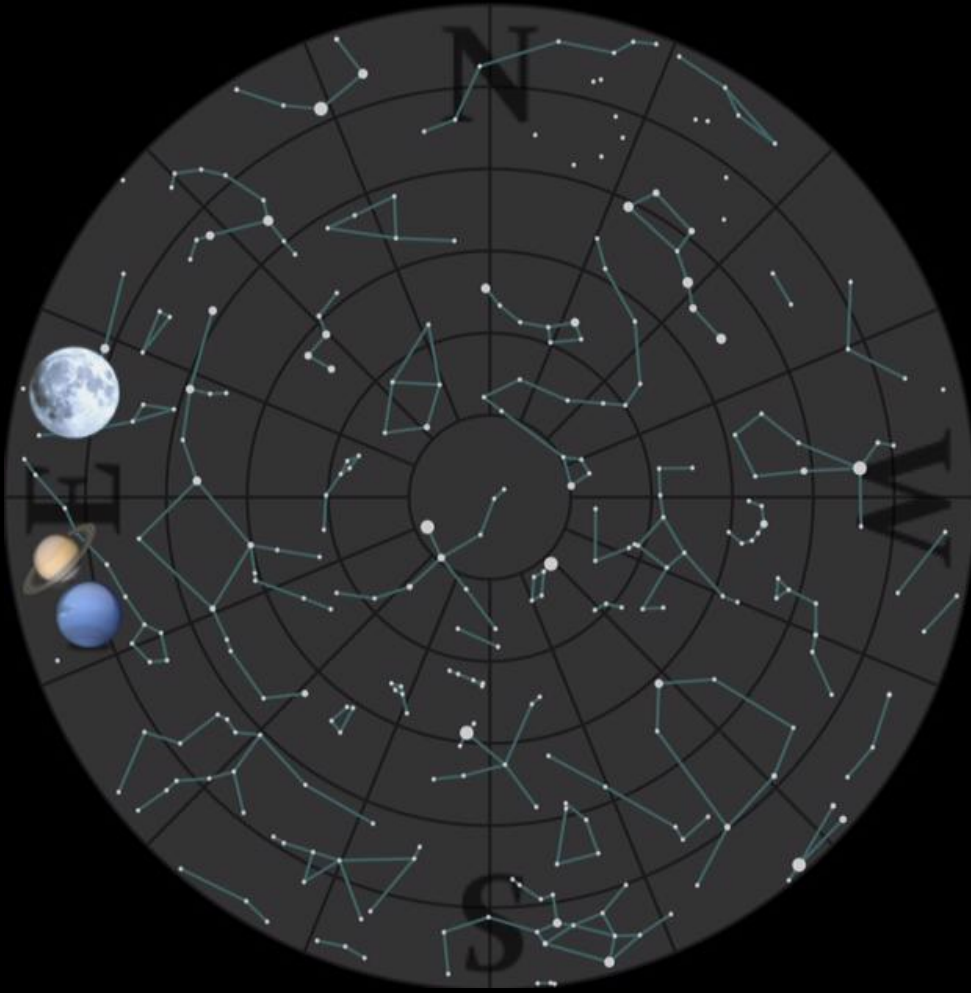
- $R = 73$

- Today



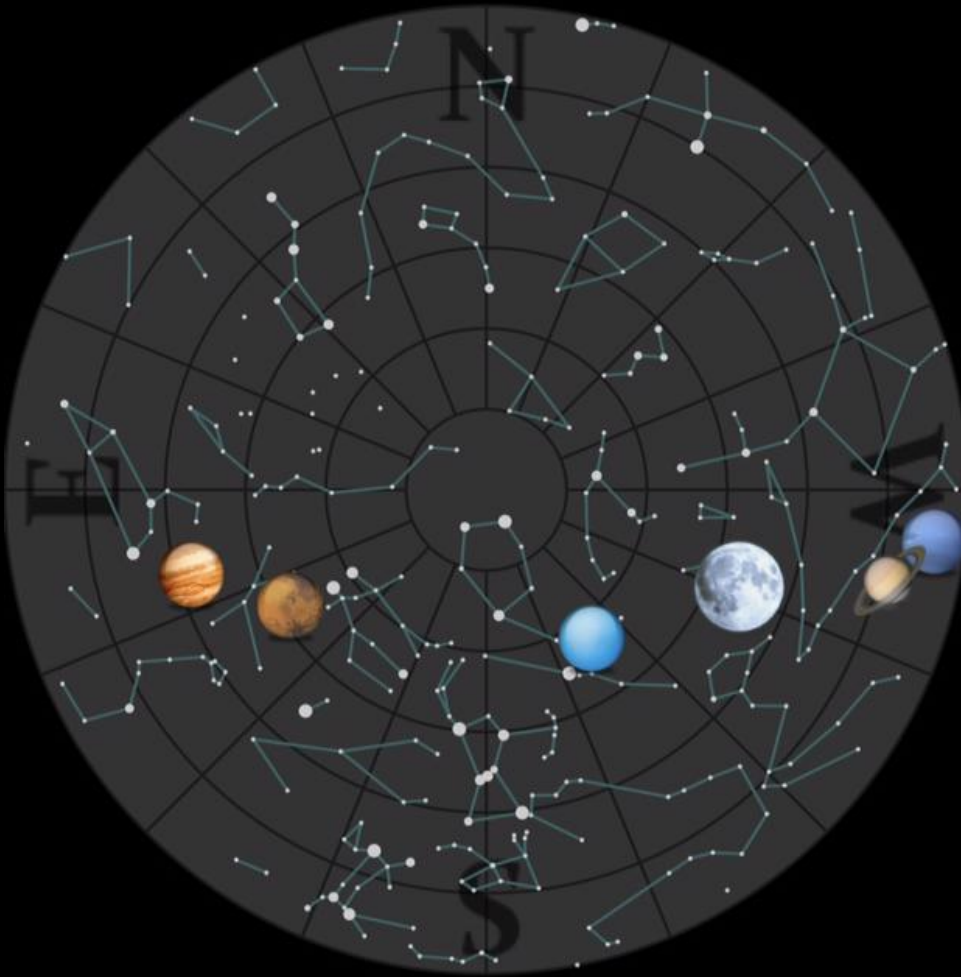
- $R = 67$

- The Sky 20:00
Tonight



- The Sky 06:00
Tomorrow

- 'Planetary Parade'



Inner Solar System

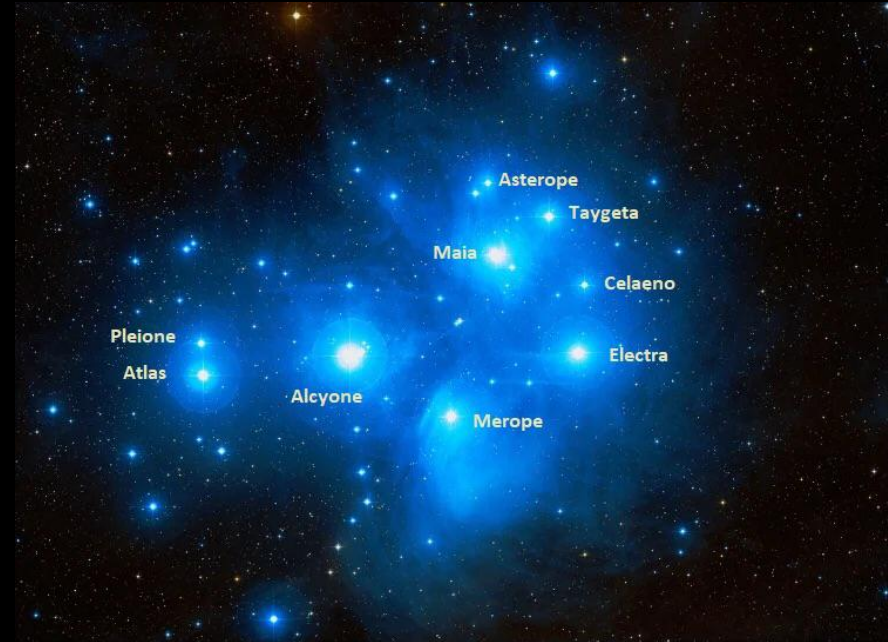
- Sun
 - Declination decreasing, equinox September 23, solstice December 21
 - Last sunspot max., 2024 October, next min., 2030?
- Mercury
 - In the evening sky with greatest elongation on October 12 (25°). Inferior conjunction November 04. Current phase 0.80, elongation 22°
 - Today, rise 09:00, transit 14:00, set 19:00
- Venus
 - In the evening sky, greatest elongation August 14 (46°), inferior conjunction October 24, current phase 0.15, elongation 32°
 - Today, rise 10:30, transit 14:30, set 18:40

Earth

- Time
 - 00:00UT $\approx$ 00:25ST today
 - Today, sunrise 06:50, transit 12:45, sunset 18:40
 - End of period, sunrise 06:45, transit 11:40, sunset 16:30
 - End of BST, October 25
- Moon
 -  Last Quarter, October 03
 -  New, 10
 -  First Quarter, 18
 -  Full, 26 (Hunters Moon)
- Meteors
 - none of note

Lunar Occultation of the Pleiades

- Wednesday, October 28
 - Moon rise, 18:20
 - Moon phase, full, October 26
- Stars occulted
 - Maia (20 Tau), disappearance 00:49, recovery 01:40
 - Celaeno (16 Tau), recovery 01:07
 - Taygeta (19 Tau), recovery 01:36
 - Asterope (21 Tau), recovery 02:00
- repeat performance December 21, 22:00 -23:00



Outer Solar System

- Mars
 - Opposition February 19, 2027. Today, rise 00:30, transit 08:30, set 16:30
- Jupiter
 - Opposition February 11, 2027. Today, rise 02:20, transit 09:50, set 17:20
- Saturn
 - Opposition October 04. Today, rise 19:00, transit 01:00, set 07:30
- Uranus
 - Opposition November 25. Today, rise 20:30, transit 04:30, set 12:40
- Neptune
 - Opposition September 26. Today, rise 18:30, transit 00:30, set 06:40

OASI Event

- Recorded Presentation
 - Monday 19 October, from 20:00 on Zoom
 - 'The Detection of Ultra-High-Energy Cosmic Rays & Neutrinos Through Their Radio Signals', Katherine Mulrey

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - October 11, observing evening
 - October 25, 'Medieval Astronomers, Tycho Brahe & Johannes Kepler', Chris Mead
- SAS (Cavendish Memorial Hall, 7:30pm, Tuesdays)
 - October 06, 'Radio Waves, How These are Affected by Both the Earth's Atmosphere & the Sun', Andrew Mowbray
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - September 30, 'What's in the Night Sky in Autumn', Mike Kirkham
 - October 14, AGM + Quiz

National Event

- Society for Popular Astronomy
 - Saturday October 24
 - Meeting, Northampton

Join us in Ipswich!

Saturday 5th December, 09:30–17:00

Back to Basics: Aurora Special

TOPICS INCLUDE

Observing and photographing the
night sky
Solar, lunar and planetary observing
Aurora and space weather
Choosing binoculars and telescopes

Scan
the code
to book your
tickets!

ACTIVITIES

Hold pieces of the Moon and Mars
Try astronomical sketching
Chat to our friendly experts
Free raffle



Image: P. Jennings