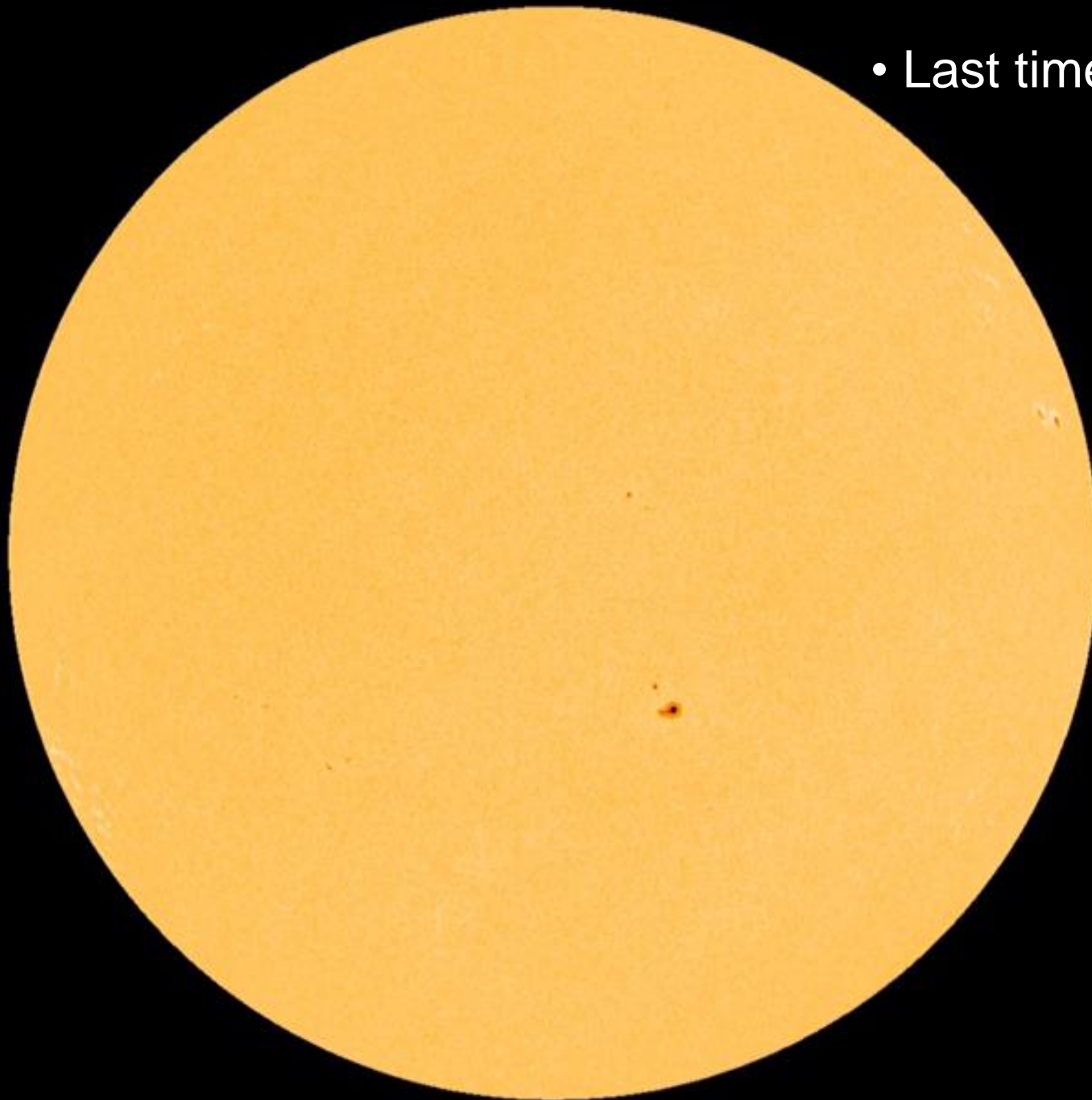


What's Up?

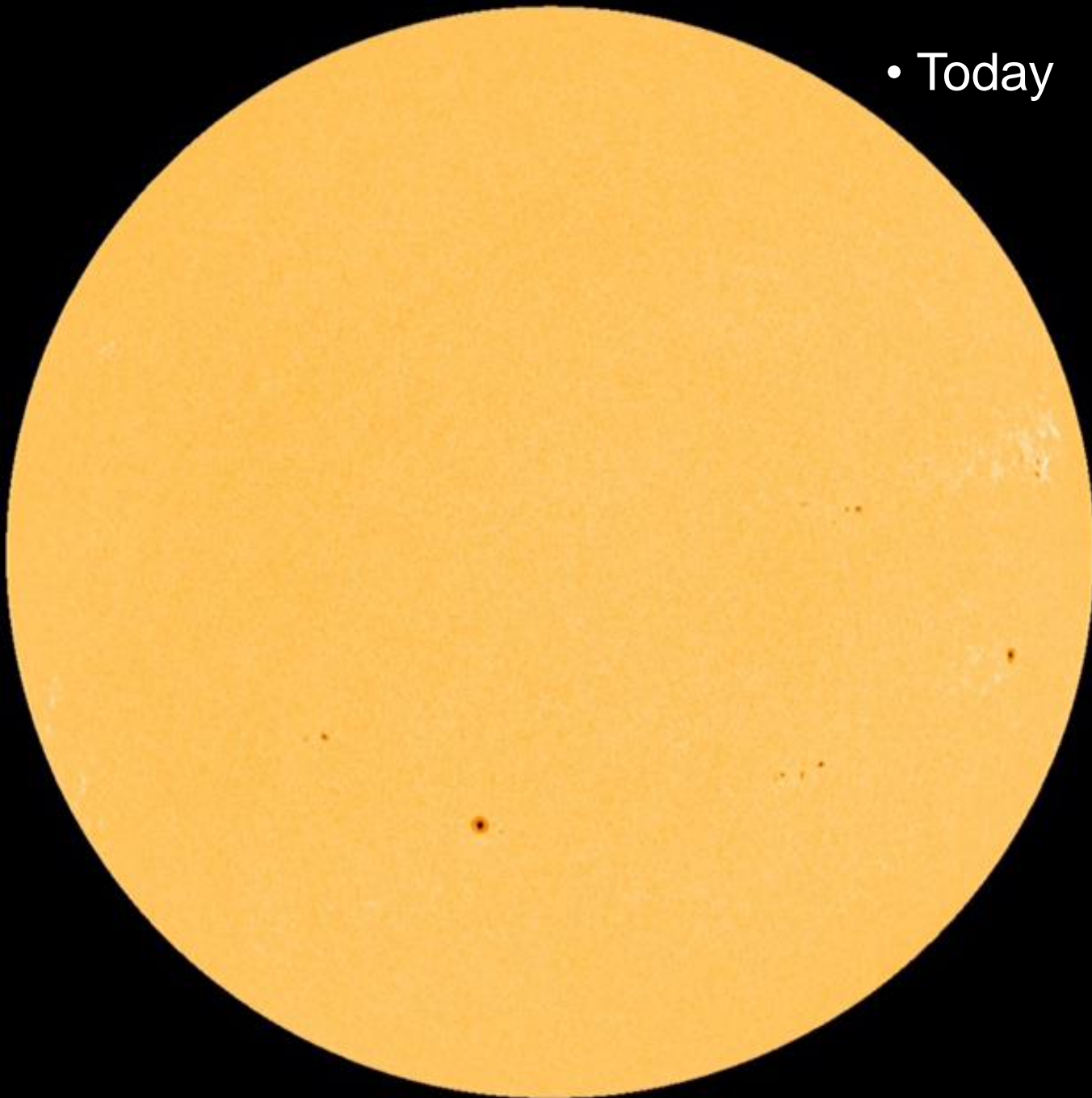
2022 July 25 to August 22

Bill Barton, FRAS

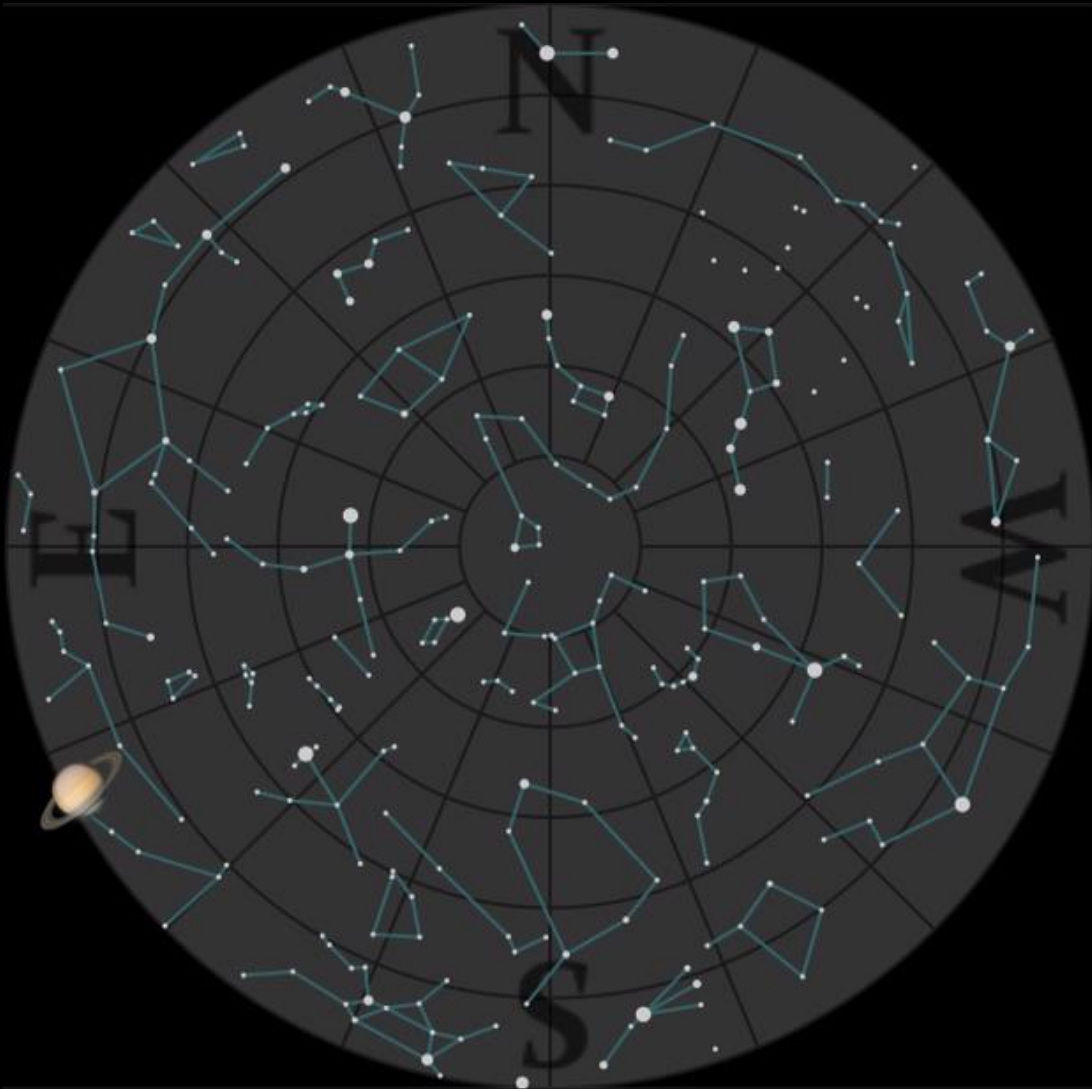
- Last time



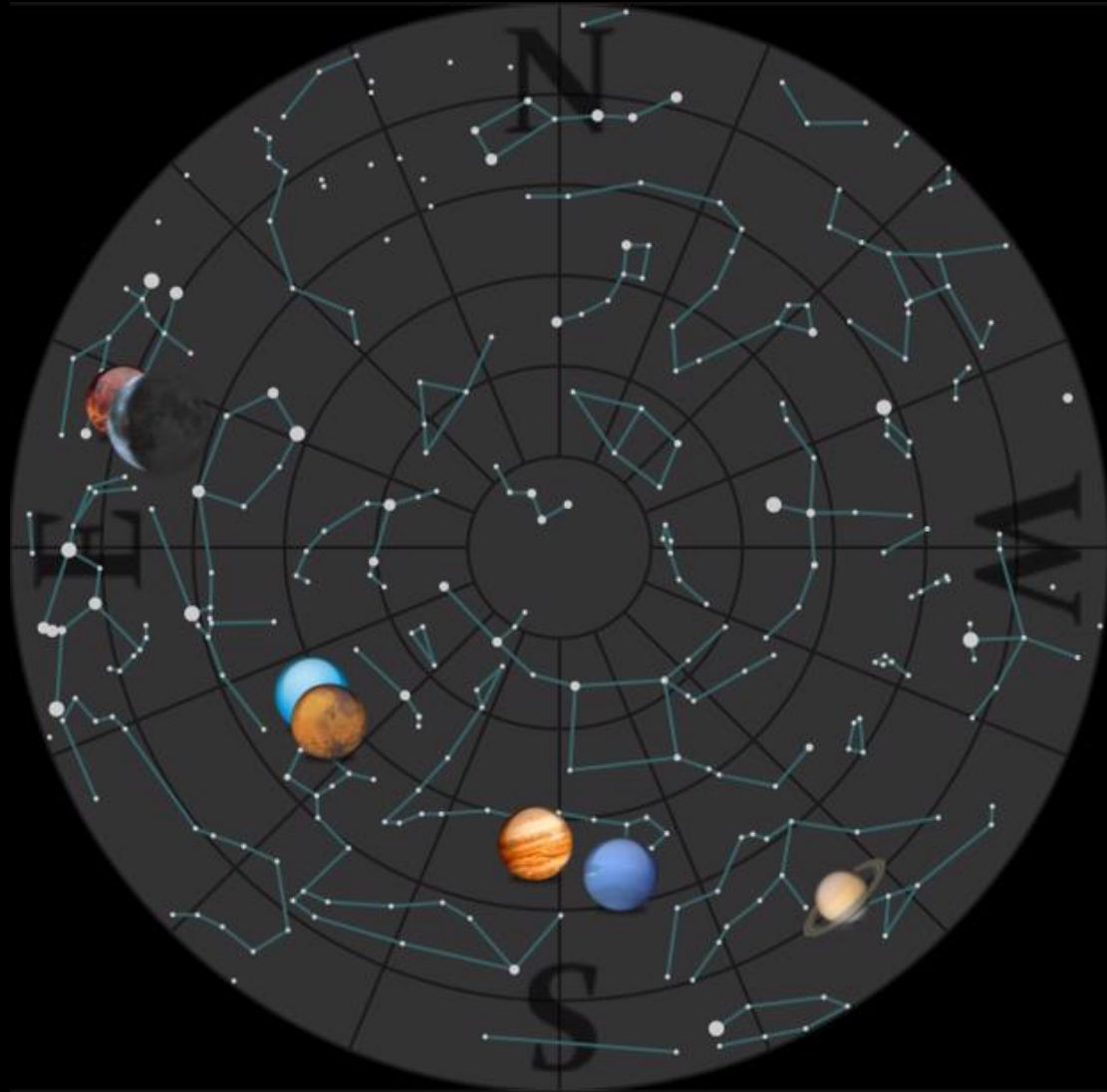
• Today



- The Sky 22:00
Tonight







- The Sky 05:00
Tomorrow



Inner Solar System

- Sun
 - Declination decreasing, equinox September 23
- Mercury
 - In evening sky, greatest elongation Aug. 27 (27°), currently 9°
 - Inferior conjunction Sept. 23
 - Today, rise 05:45, transit 13:40, set 21:30
- Venus
 - In morning sky greatest elongation Mar. 20 (47°), currently 23°
 - Superior conjunction Oct. 22
 - Today, rise 03:00, transit 11:20, set 19:30

Earth

- Time
 - 00:00UT \approx 20:15ST today
 - Today, sunrise 05:05, transit 13:00, sunset 20:55
 - End of period, sunrise 05:50, transit 12:55, sunset 20:05
- Moon
 -  New, 28
 -  First Quarter, Aug. 05
 -  Full, 12
 -  Last Quarter, 19
- Meteors
 - Perseids, July 17-August 24, peak Aug. 13, ZHR 80+

Occultations

- Lunar
 - δ Scorpio, mag 2.3, August 06, DD 22:43, RB 23:13

Conjunctions

- Planetary
 - August 18, 16:00, Uranus 0.5° S of Moon

Outer Solar System

- Mars
 - Opposition Dec. 08. Today, rise 00:10, transit 07:30, set 14:45
- Jupiter
 - Opposition Sept. 26. Today, rise 23:00, transit 05:15, set 11:30
- Saturn
 - Opposition Aug. 04. Today, rise 21:45, transit 02:25, set 07:10
- Uranus
 - Opposition Nov. 09. Today, rise 00:10, transit 07:45, set 15:20
- Neptune
 - Opposition Sept. 16. Today, rise 22:40, transit 04:30, set 10:15

OASI Events

- Saturday 30 July, from 10:00am, Solar Outreach at Christchurch Mansion, Ipswich
- Friday 12 August, from 8:00pm, recorded Zoom talk, Dr Julian Pittard, 'Colliding Stellar Winds - Observations and Theory'
- Sunday 28 August, from 10:00am, Solar Day at Bawdsey Radar Museum

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - Summer lay off
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - Summer lay off
- AAA (Whepstead Community Centre, 7:30pm, Wednesdays)
 - unknown

National Events

- Society for Popular Astronomy
 - Saturday, 30 July, 2:00pm, Gustave Tuck Lecture Theatre, University College London, Gower St, London WC1, Prof Chris Owen (UCL-MSSL), 'The Solar Wind-exploring its origins with ESA's Solar Orbiter Mission'