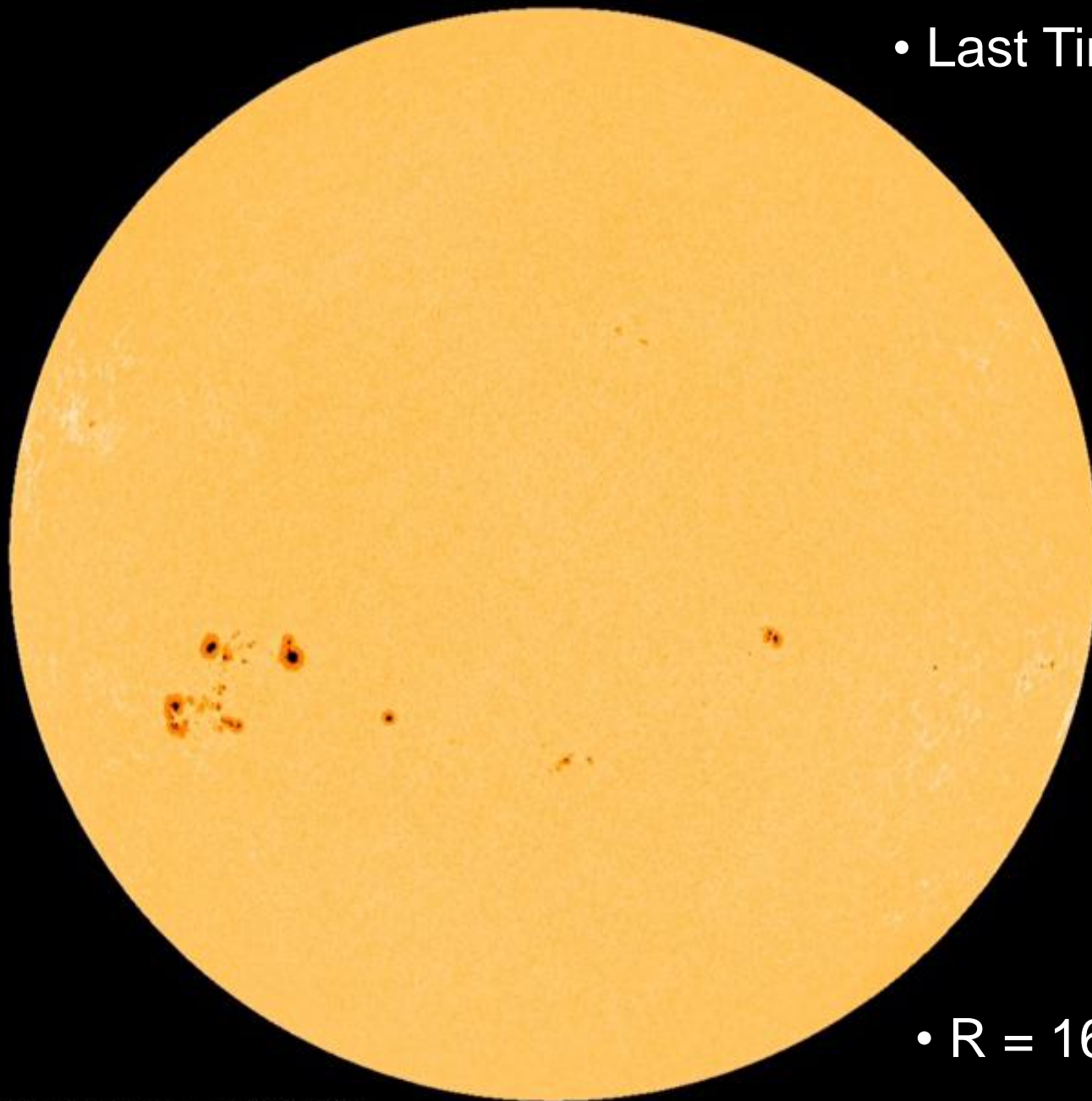


What's Up?

2025 January 27 to February 24

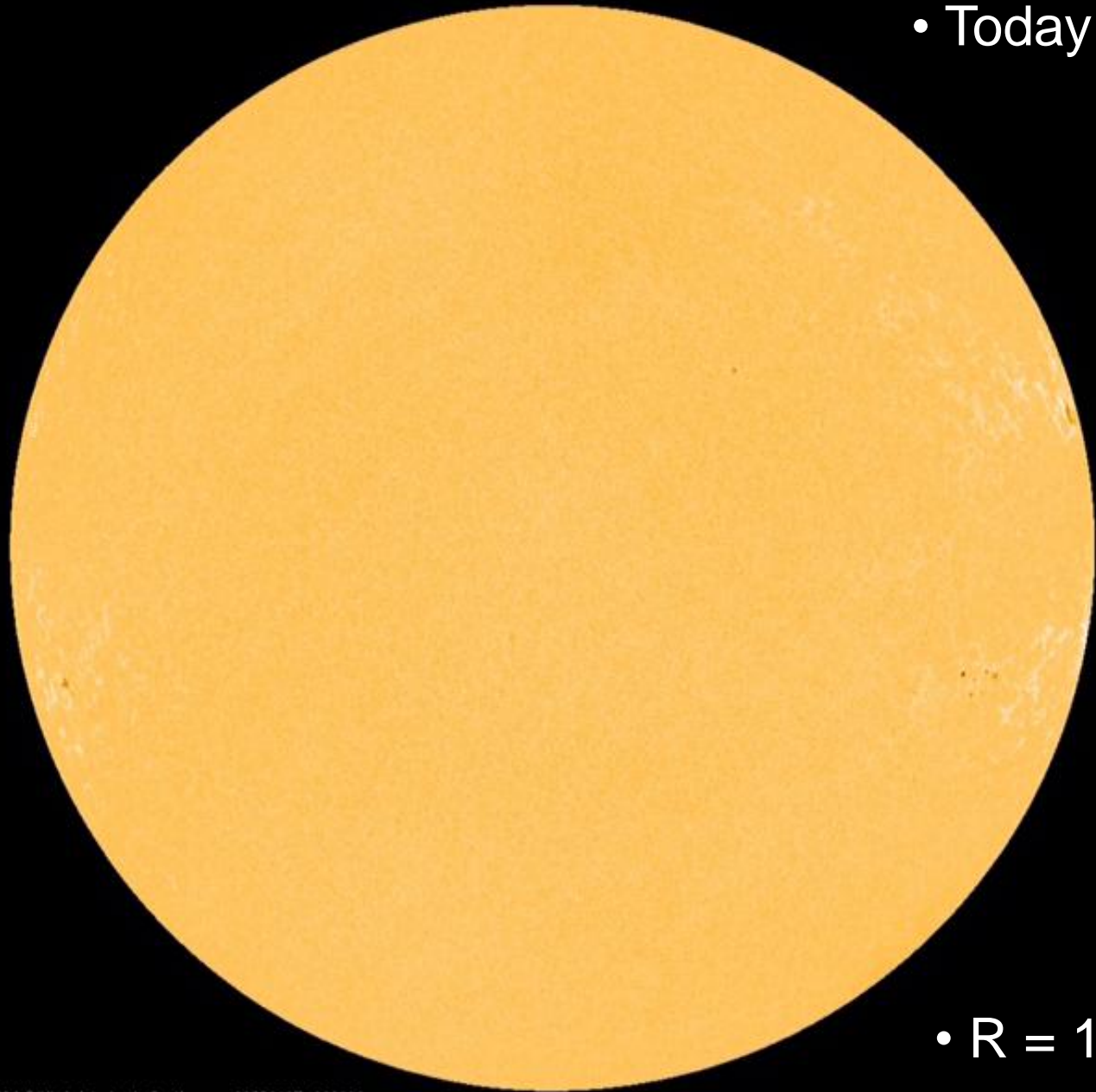
Bill Barton, FRAS

• Last Time



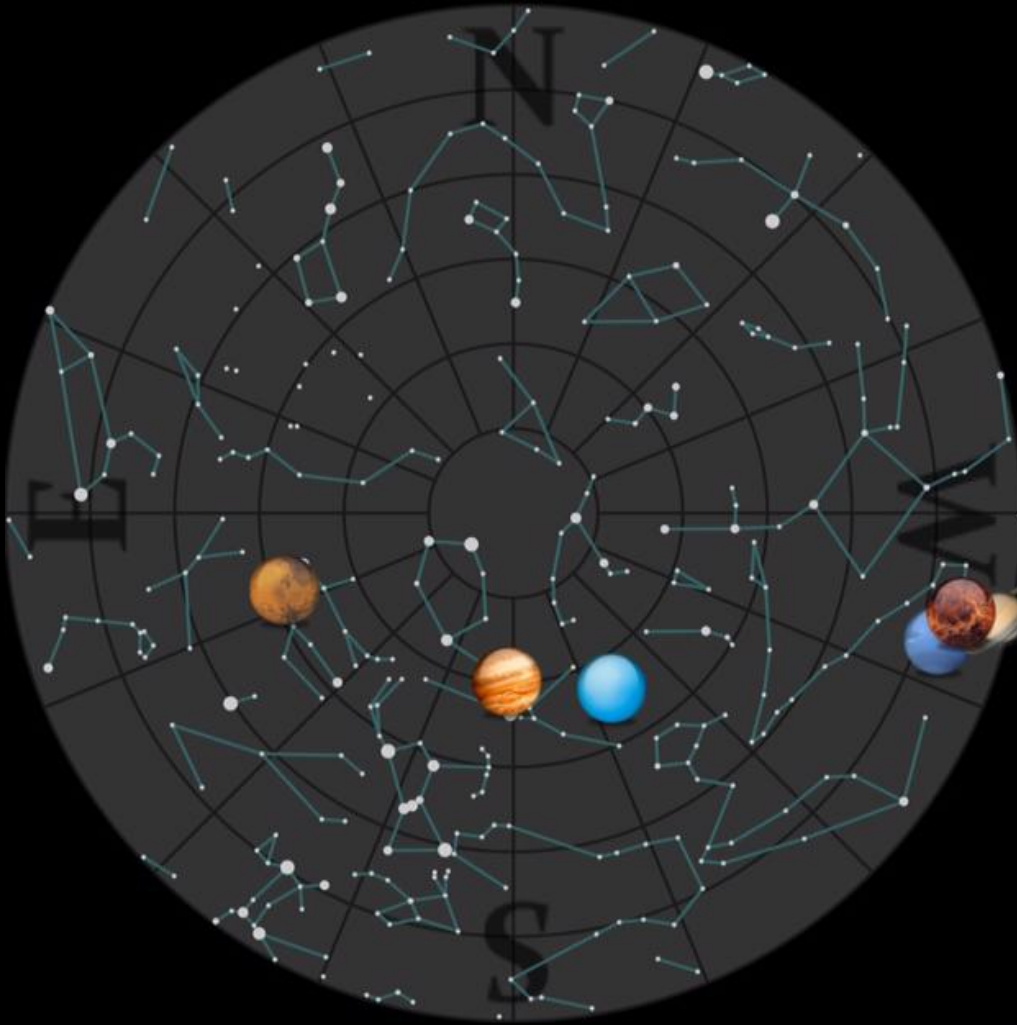
• R = 164

• Today

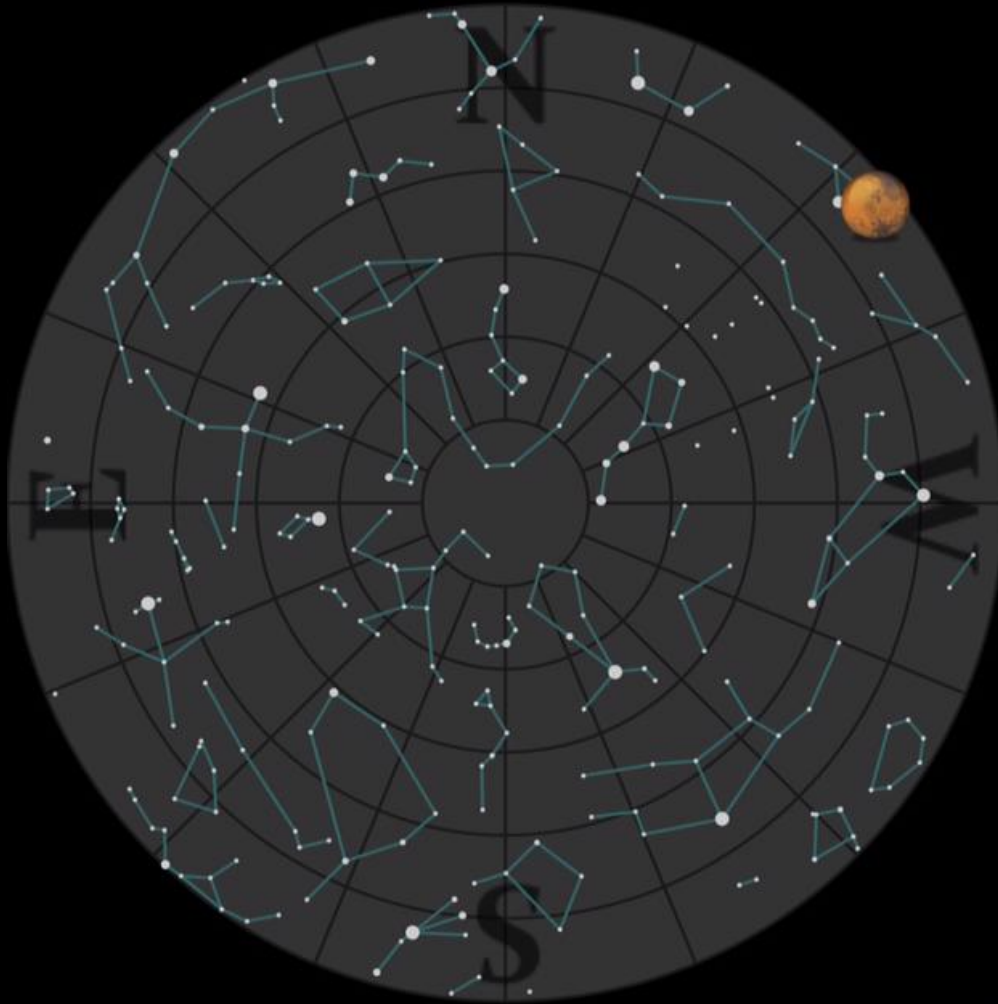


• $R = 140?$

- The Sky 20:00
Tonight

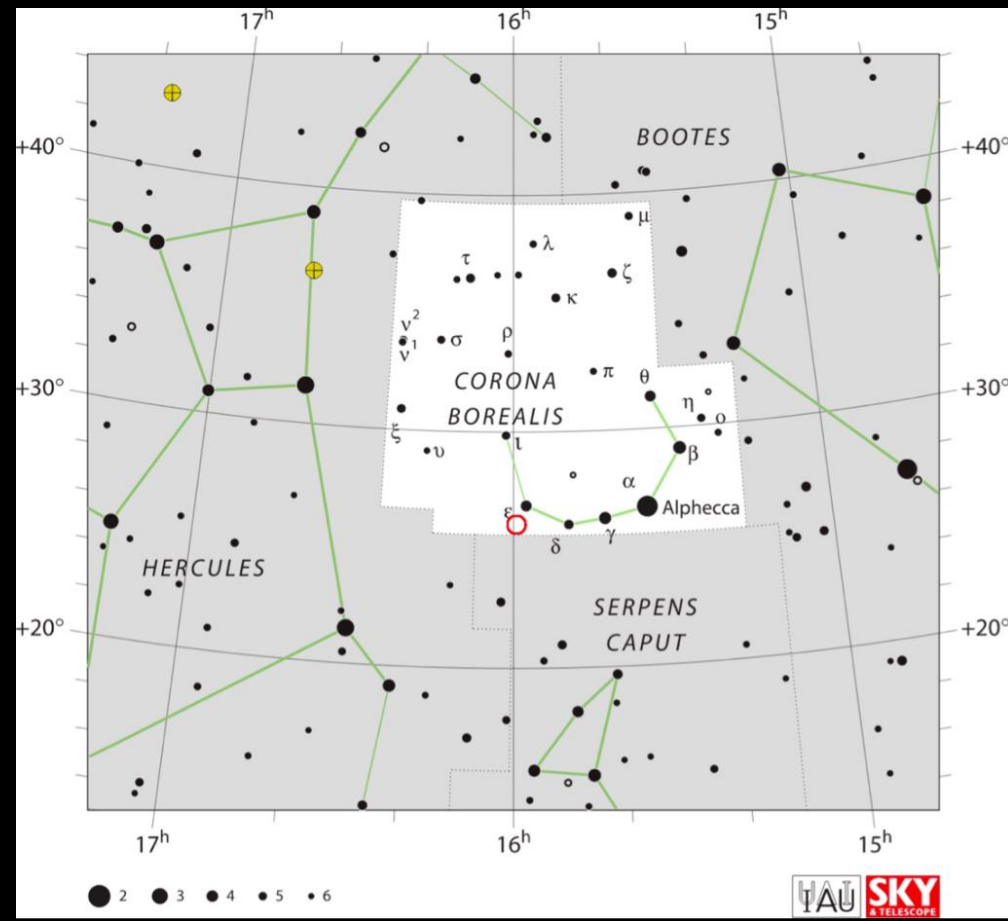


- The Sky 07:00
Tomorrow

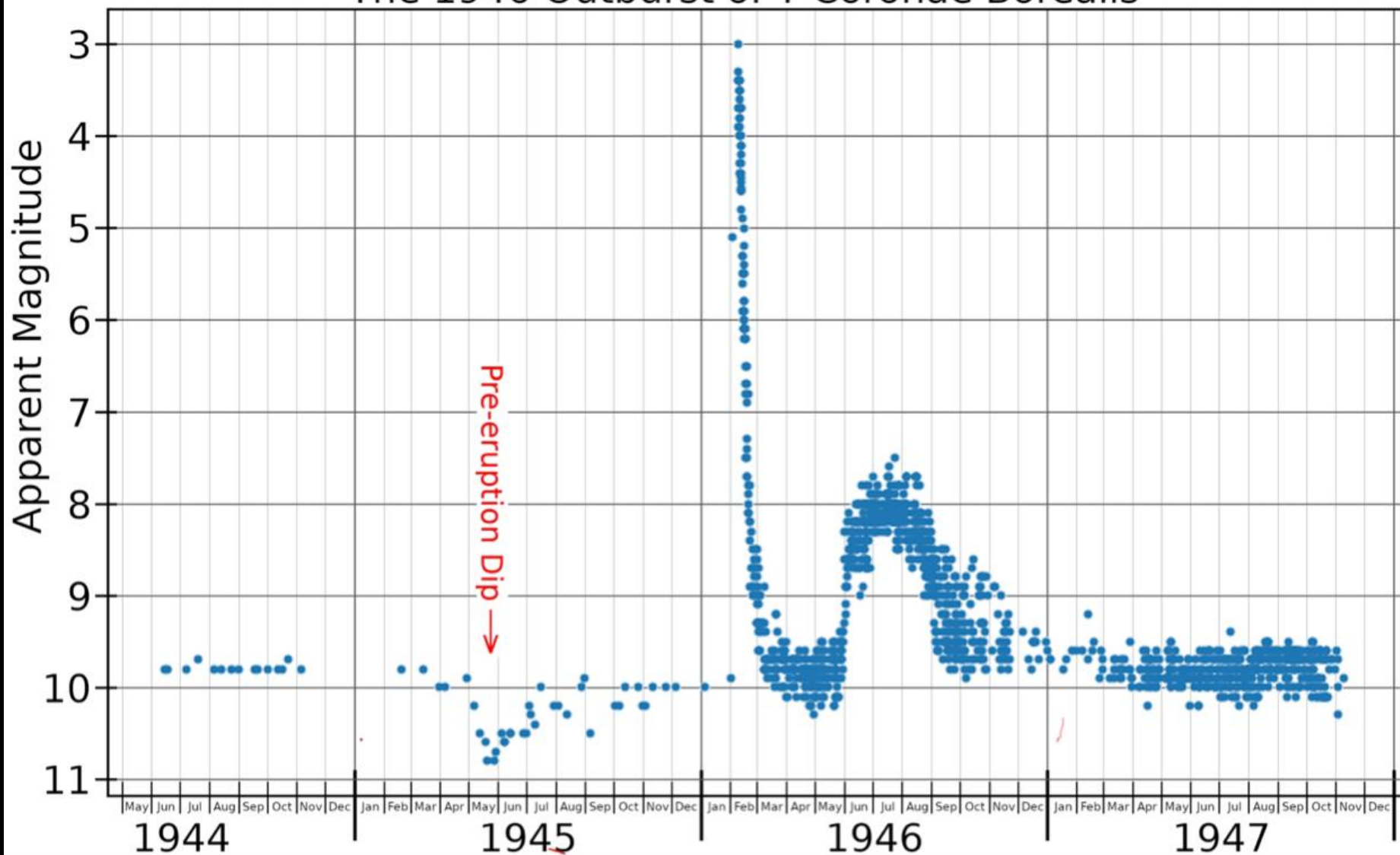


T Coronae Borealis

- Red giant/white dwarf binary
 - 227 day orbit
 - normally 10-11th mag
- Recurrent novae behaviour
 - every 80 years
 - 2nd mag
 - 1866 & 1946
 - 2026?







The 1946 Outburst of T Coronae Borealis



Inner Solar System

- Sun
 - Declination increasing, equinox March 20
 - Last sunspot min., Apr. 2020, next max., now?
- Mercury
 - In the morning sky, greatest elongation was on Dec. 25 (22°), currently 10° , mag -0.7
 - Superior conjunction, February 09
 - Then in the evening sky with greatest elongation on Mar. 08 (18°)
 - Today, rise 07:30, transit 11:30, set 15:30
- Venus
 - In the evening sky, greatest elongation January 10, (47°) currently 43° , inferior conjunction March 23
 - today, rise 09:00, transit 15:00, set 20:55

Earth

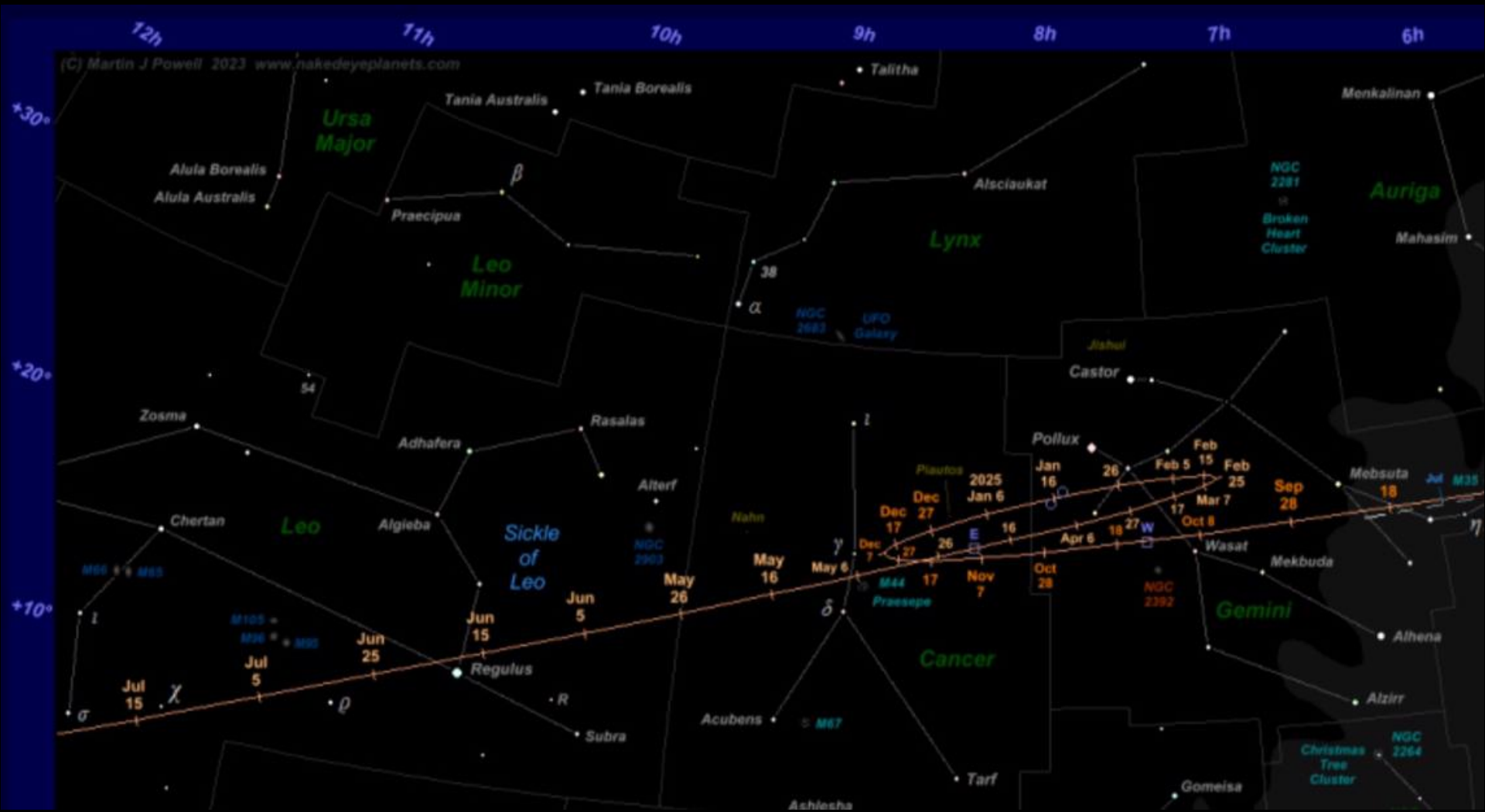
- Time
 - 00:00UT \approx 08:25ST today
 - Today, sunrise 07:40, transit 12:05, sunset 16:30
 - End of period, sunrise 06:50, transit 12:10, sunset 17:25
- Moon
 -  New, January 29
 -  First Quarter, February 05
 -  Full, February 12 ('Snow' or 'Hunger' Moon)
 -  Last Quarter, February 20
- Meteors
 - none of note this period

Moon & Planets

- January 3, 16:30
 - Moon 1.3° south of Venus
- Saturday, February 1, 20:00
 - Moon 2.1° south of Venus
- Sunday, February 9, 20:00
 - Moon 0.8° north of Mars



Mars



Outer Solar System

- Mars
 - Opposition January 16. Conjunction January 09, 2026. Today, rise 14:20, transit 23:00, set 07:40
- Jupiter
 - Opposition December 07. Conjunction June 24. Today, rise 11:55, transit 20:00, set 04:10
- Saturn
 - Opposition September 08. Conjunction March 12. Ring plane crossing March 23. Today, rise 09:10, transit 14:40, set 20:00
- Uranus
 - Opposition November 17. Conjunction May 17. Today, rise 11:05, transit 18:45, set 02:30
- Neptune
 - Opposition September 21. Conjunction March 19. Today, rise 09:25, transit 15:15, set 21:10

OASI Events

- Saturday 08 Feb, 18:00-20:00
 - National Astronomy Week Star Party, Christchurch Mansion

Local Societies Events

- DASH (Darsham Village Hall, 7:00pm, Sundays)
 - February 02, observing meeting
 - February 16, lecture meeting, 'Planetary Nebulae. When Imagination Enriches Observation', Tatyana Reid
- LYRA (Parkhill Hotel, Oulton, 7:30pm, Tuesdays)
 - No information
- AAA (Whepstead Village Hall, 7:30pm, Wednesdays)
 - February 05, Image processing
 - February 19, Vulcanism in the Solar System
- DAG (Diss)
 - Informal on FaceBook & WhatsApp

National Event

- National Astronomy Week
 - February 01 to 09
 - 1st Quarter Moon & 6 planets (Saturn, Neptune, Venus, Uranus, Jupiter, & Mars)