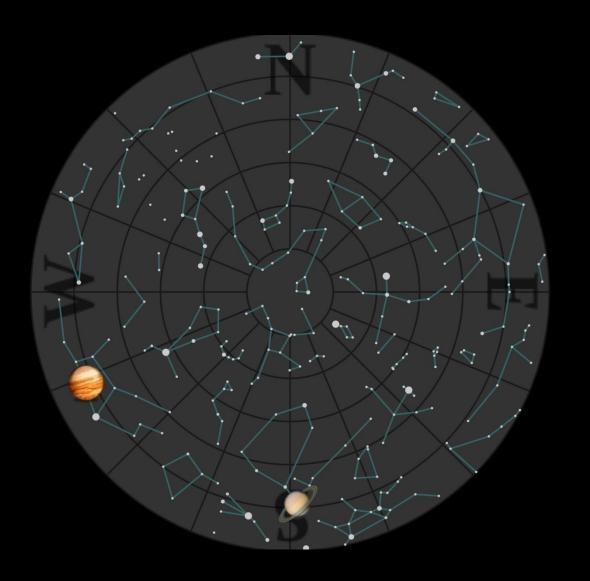
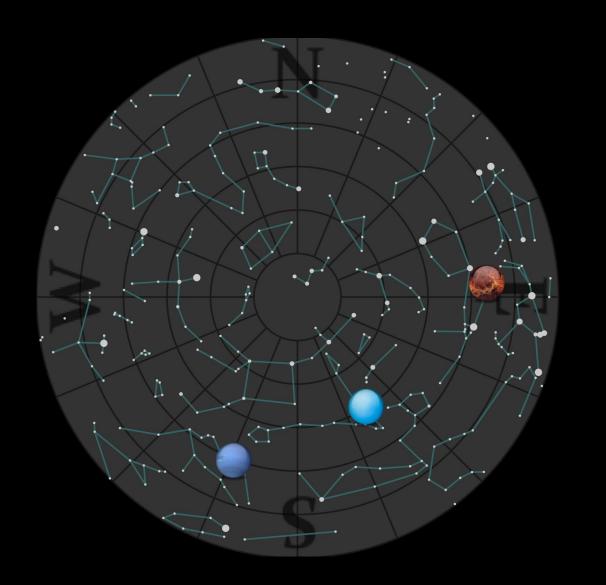
What's Up?

2017 July 24 to August 28

Bill Barton, FRAS



•The Sky 22:00 Tonight



•The Sky 05:00 Tomorrow Morning

Inner Solar System

Sun

Declination decreasing (solstice was on June 21), in Cancer then
Leo

Mercury

- In the evening sky throughout this period, in Leo
- Maximum elongation on July 30 (27°), inferior conjunction August 26
- Brightness decreasing

Venus

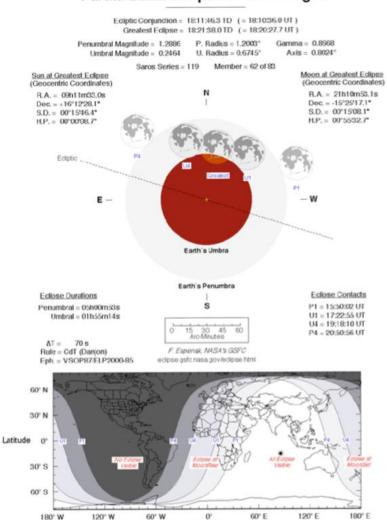
- In morning sky, phase increasing, elongation decreasing, in Orion then Cancer
- Maximum elongation was on June 03 (46°)

Earth

Moon First Quarter,30 Full, 7 (Hay or Thunder Moon) Last Quarter, 15 New, 21 **Eclipses** Next slides Meteors δ Aquarids, July 15 - August 20, peak July 29, ZHR 20 Perseids, July 23 - August 20, peak August 12, ZHR 80+

ECLIPSES

Partial Lunar Eclipse of 2017 Aug 07

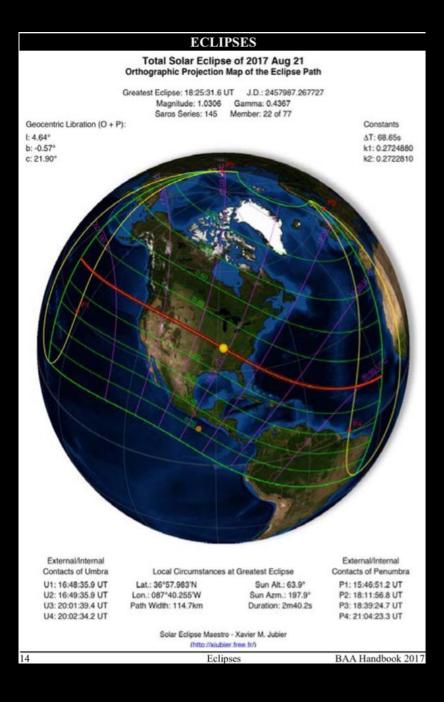


BAA Handbook 2017 Eclipses 1.

Longitude

2009 Apr 29

Lunar Eclipse August 7 Slight partial eclipse ending at moonrise

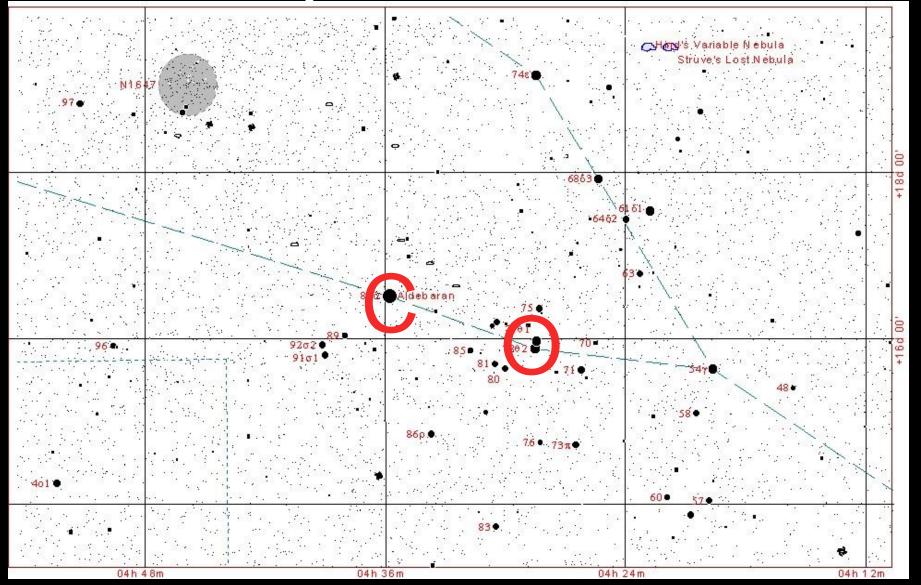


Solar Eclipse August 21
Slight partial eclipse at sunset

Lunar Occultations

- Morning of Wednesday August 16th
- Moon phase, one day past 'last quarter'
- Rising around 23:15UT (15th)
- Five stars occulted this morning, notably $\theta^1 \& \theta^2$ and α Tauri
- θ¹ Tauri dark limb reappearance 03:45UT
- θ^2 Tauri dark limb reappearance 03:47UT
- α Tauri bright limb disappearance 06:42UT
- α Tauri dark limb reappearance 07:39UT
- Sunrise 05:40UT

The Hyades Star Cluster



Outer Solar System

- Mars
 - In conjunction with the Sun on July 27
 - Then in morning sky
 - In Cancer then Leo
- Jupiter
 - Conjunction with the Sun will be on October 26
 - Sets around 11:00pm (BST)
 - In Virgo
- Saturn
 - In the sky at sunset and sets itself at 2:00am (BST)
 - Conjunction with the Sun will be on December 21
 - In Ophiuchus

Society Events

- Saturday July 29
 - OASIfest at Waterfront Building, University of Suffolk, Ipswich, 09:00am till 6:00pm
- Wednesday August 9
 - Holywells Park Family Day, set-up 10:00am, finish 4:00pm
- Saturdays August 5 & 12
 - Christchurch Park Solar Observing, times and 'go-ahead' TBA
- Wednesday September 6
 - OASI 50th Annivesary Dinner, Felixstowe Ferry Golf Club, 7:00pm onwards

Other Events I

DASH

- Solar Observing Meeting, Saturday August 19, 10:00am 3:00pm, National Trust, Dunwich Heath
- Discussion Meeting, Saturday September 02, 7:30pm, Westleton Village Hall, David Murton 'Beginners Observing' & 'Ask the Panel'

LYRA

- Observing Meeting, Tuesday July 25, 7:30pm, Barn Car Park, Coach House Hotel, Oulton
- Summer Social Hog Roast, Tuesday August 8, Parkhill Hotel, Oulton
- Athenæum Astronomical Association
 - Observing Meeting, Nowton Park, Thursday August 03 & 17 from 7:30pm

Other Events II

- Kelling Heath
 - Autumn Star Party, September 23 & 24
- Haw Wood
 - Astronomers Week October 13 to 20
 - Family Star Gazing Weekend, October 20 to 23