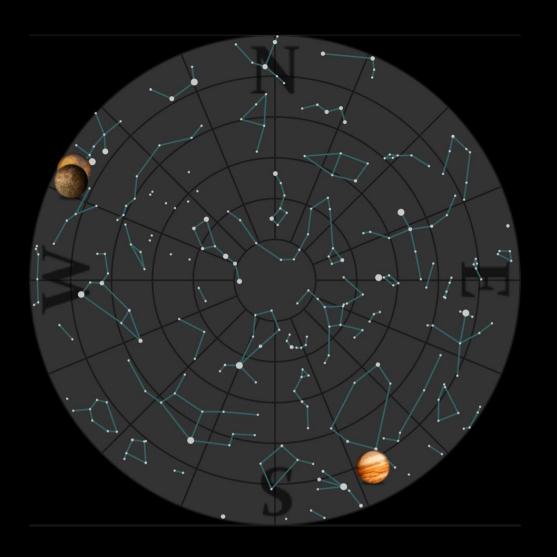
What's Up?

24 June to 22 July 2019

Bill Barton, FRAS



•The Sky 22:00 Tonight

•The Sky 04:00 Tomorrow

Inner Solar System

- Sun
 - Declination decreasing, equinox September 23
 - Solstice was on June 21, aphelion July 04
- Mercury
 - In the evening sky, greatest Eastern elongation June 23 (25°)
 - Inferior conjunction July 21
 - Currently rising 06:40, setting 22:50
 - Best opportunity to see until early July
- Venus
 - In morning sky until superior conjunction on August 14
 - Currently rising 03:40, setting 20:05

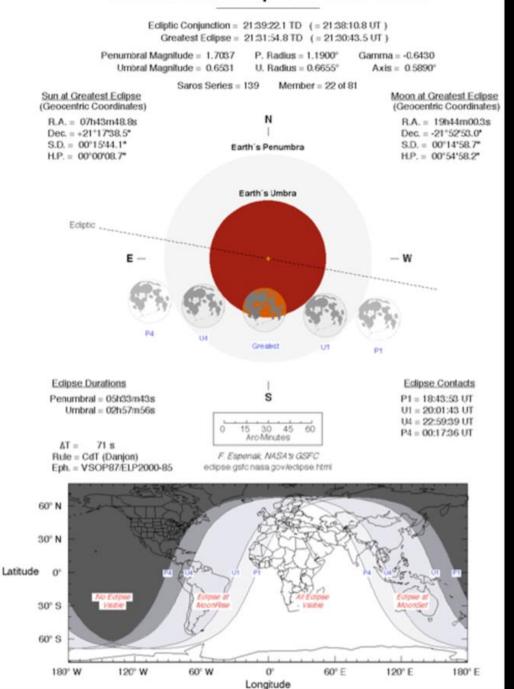
Earth

- Time
 - 00:00UT ≈ 18:00ST today
 - Today sunrise 04:35, sunset 21:15BST
 - End of period sunrise 05:00, sunset 20:55BST
 - No 'Astronomical Twilight' until July 25, Noctilucent Cloud season
- Moon
 - A Last Quarter, 25
 - New, 02
 - First Quarter, 09
- Meteors
 - Perseids from July 17 (peak August 13)

Eclipses

- Solar
 - Total
 - July 2, 7:00pm-9:45pm BST
 - Not visible from UK
- Lunar
 - Partial
 - July 16, 9:00pm-midnight BST
 - Eclipse at moonrise

Partial Lunar Eclipse of 2019 Jul 16



Occultations

- Lunar
 - June 28, ζ² Ceti, mag 4.3,
 - Disappearance Bright limb 04:09 BST,
 - Recovery Dark limb 05:10 BST
- Grazing Lunar
 - None this period
- Asteroid
 - None this period

Outer Solar System

- Mars
 - Currently rising 06:20, setting 22:45. Solar Conjunction September 02
- Jupiter
 - Currently rising 19:50, setting 03:50. Opposition was on June 10.
- Saturn
 - Currently rising 22:00, setting 06:05. Opposition on July 9
- Uranus
 - Currently rising 01:50, setting 16:10. Opposition on October 28
- Neptune
 - Currently rising 00:30, setting 11:40. Opposition on September 10

Society Events

- Summer BBQ
 - Saturday June 29, from 2:00pm, Newbourne Village Hall
- Outreach Meetings
 - Saturday July 13, Nacton Village Fete
 - Friday July 19, Latitude Festival, Henham Park

Other Events

RAS

 'Burlington House Courtyard Late', Friday 19 July, 06:15, 07:15, and 08.15pm, Mark Holborn "Sun and Moon: a story of Astronomy, Photography and Cartography" (free, but ticketed)

SPA

 Saturday 27 July, from 2:00pm, Gustav Tuck Lecture Theatre, University College London. Apollo 11 Celebration Meeting

Other Events

DASH

Friday July 12, InMON, Dunwich Heath (weather dependent)

LYRA

- Observing Meeting, Tuesday June 25, 07:30pm, Barn Car Park, Parkhill Hotel, Oulton
- Discussion Meeting, Tuesday July 09, 07:30pm, Parkhill Hotel, Oulton, "Midsummer madness? – Astronomy versus Pseudoscience, Flying Saucers & Conspiracy Theories" Mark Shepherd.

Other Events

- Bury St. Edmunds
 - Bury Town Trust, Monday 01 July, 07:15pm, Unitarian Meeting House, Churchgate St., presentation on the Athenaeum Observatory Project.
- Athenæum Astronomical Association
 - Meetings at Nowton Park
 - Thursday June 27, 07:30pm, "Neutron stars, pulsars and black holes"
 - Thursday July 11, 07:30pm, members meeting