Sky Outlook November 2019



Maidenhead Astronomical Society

www.maidenhead-astro.net

Transit of Mercury 11th November

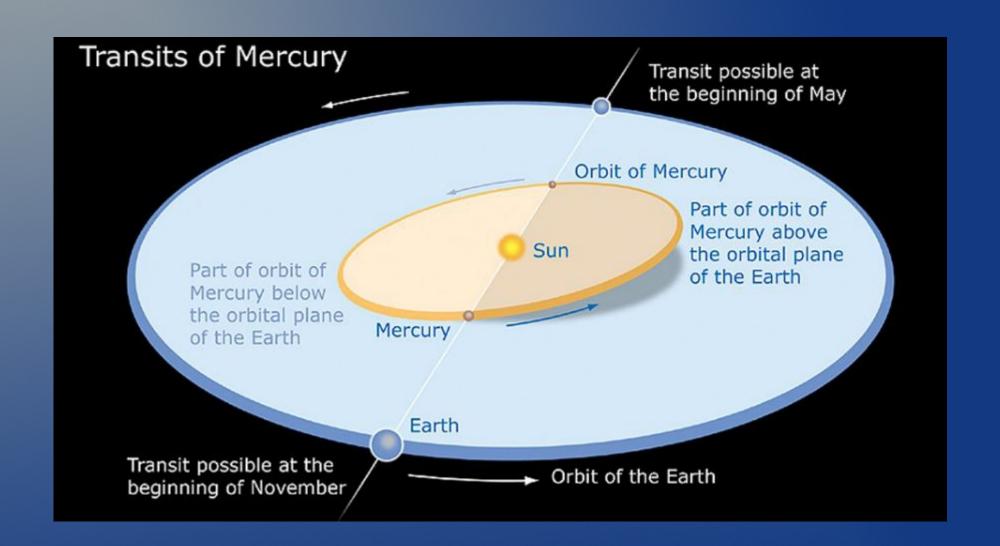
Mercury passes through inferior conjunction on the 11th November passing between the Earth and Sun and its path this time round will coincide with that of the Sun allowing us, from our vantage point to see Mercury pass across the Sun. The last one was in 2016 and the next will be in 2032.

First contact (ingress) is at 12:35pm GMT

Second contact (full disk of planet on Sun) 12:37pm GMT

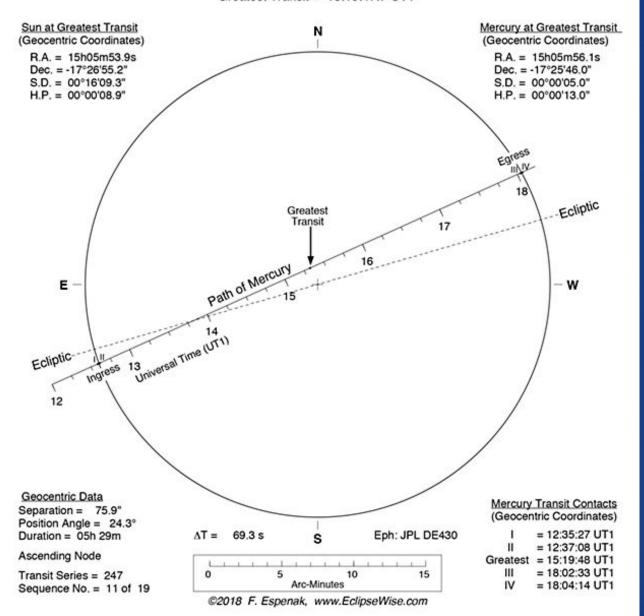
Greatest transit (planet at midway point across Sun) is at 15:19pm GMT.

The transit finishes at 18:04pm GMT but by this time the Sun will have long since set in the UK. (16:17pm London)



Transit of Mercury: 2019 Nov 11

Greatest Transit = 15:19:47.7 UT1







Solar System

Mercury: will be transiting the Sun on the 11th and by the end of the month will become a morning object.

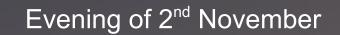
Venus: an evening object but due to its position in the twilight sky will be difficult to observe.

Mars: a morning object although shining faintly lying in Virgo.

Saturn: still visible in the early evening sky but best to catch in early half of the month

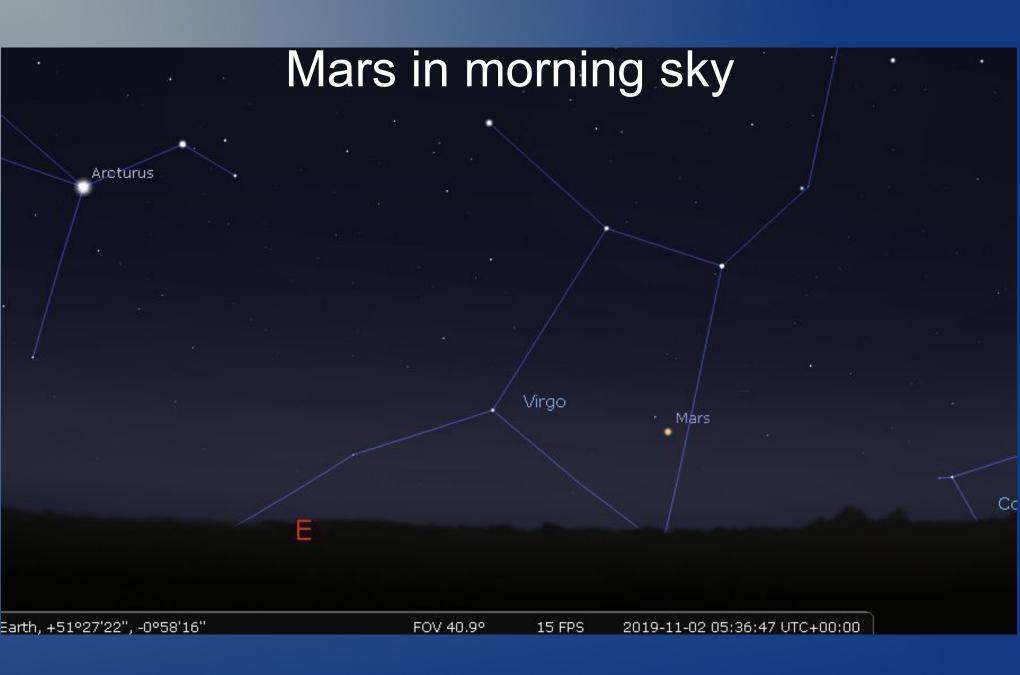
Uranus: well placed in the evening sky lying in Aries.

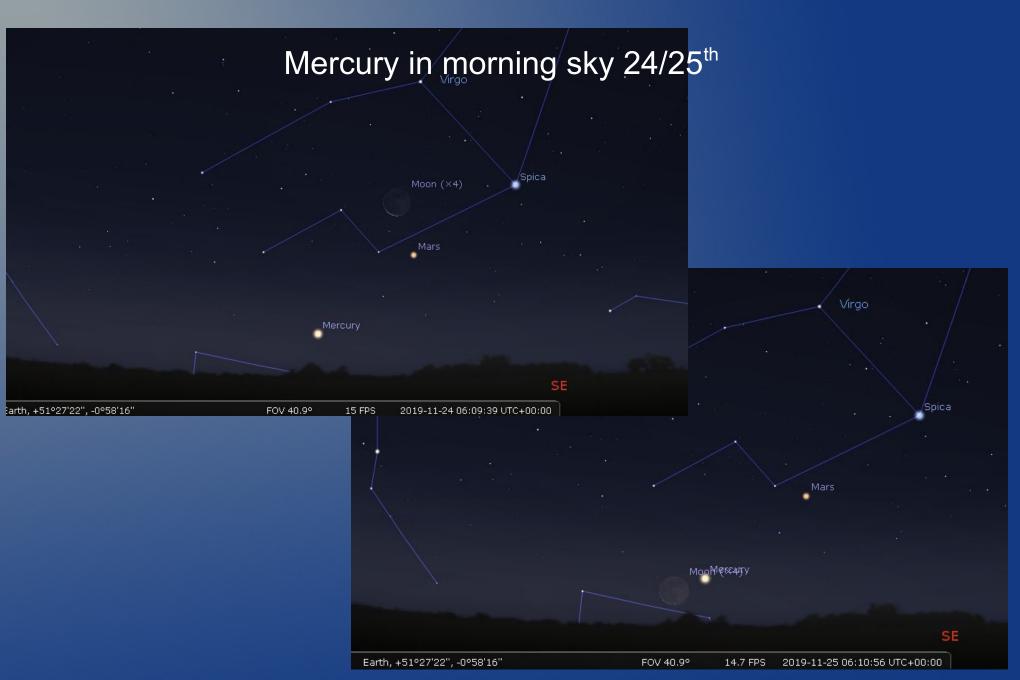
Neptune: an evening object in Aquarius, sets around midnight by the end of the month.



Uranus & Neptune





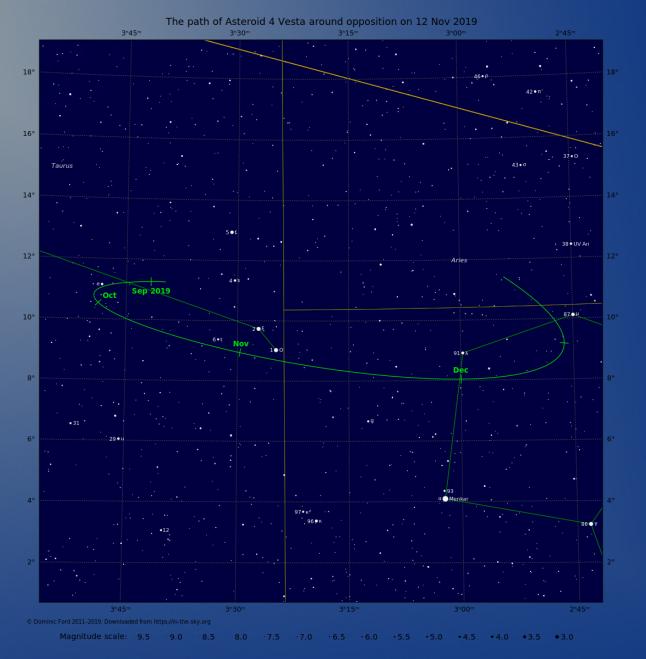


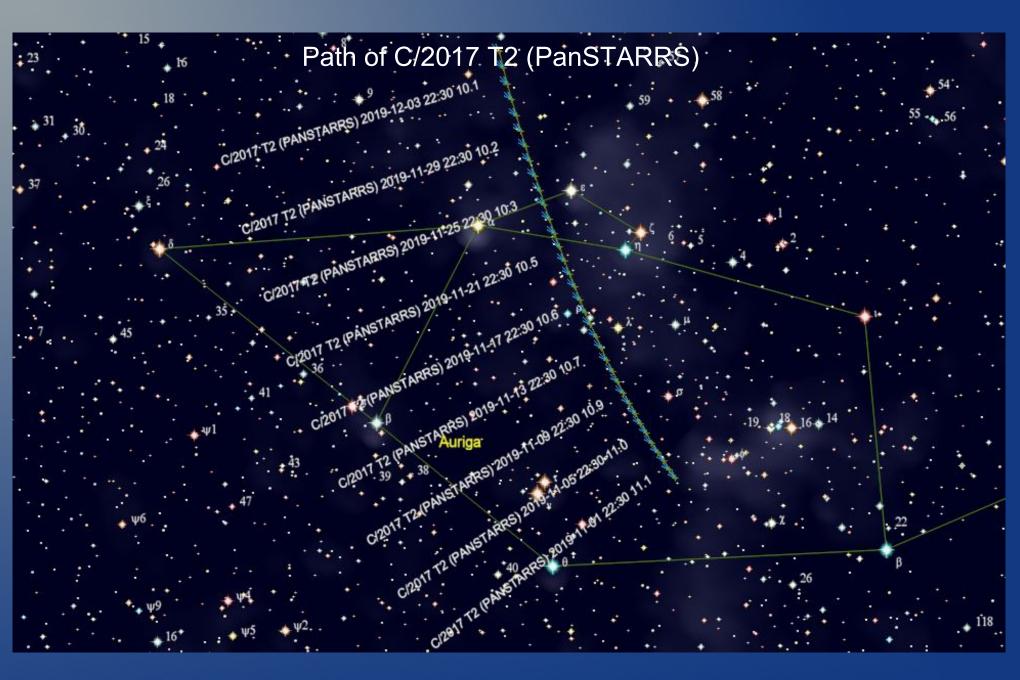
Asteroids/Comets

Vesta: lying between Taurus and Cetus at magnitude +6.5 comes to opposition on 12/13th November.

Comet 2017 T2 (PanSTARRS) is best seen in late evening in Auriga.

Comet 2018 N2 (ASASSN) can be found passing through Andromeda and it is just three degrees south of M31 at the start of this month.







Meteor showers

Leonid meteor shower is active between the 6th and 30th November with the peak rate around the 18th. ZHR is 15 meteors an hour and parent body for supplying debris is Comet 55P/Temple-Tuttle. Radiant lies within the "sickle" of Leo and observers will have to wait until after 22:15 for the constellation to rise but best time will be just before dawn when it will be placed overhead. Last Quarter Moon will be close by in Cancer and will interfere with viewing.





Tonight's sky after meeting



Clear Skies!!