



The Royal Astronomical Society of Canada

Belleville Centre



2024 Total Solar Eclipse

Presentation by: Don Town

So what is an eclipse?

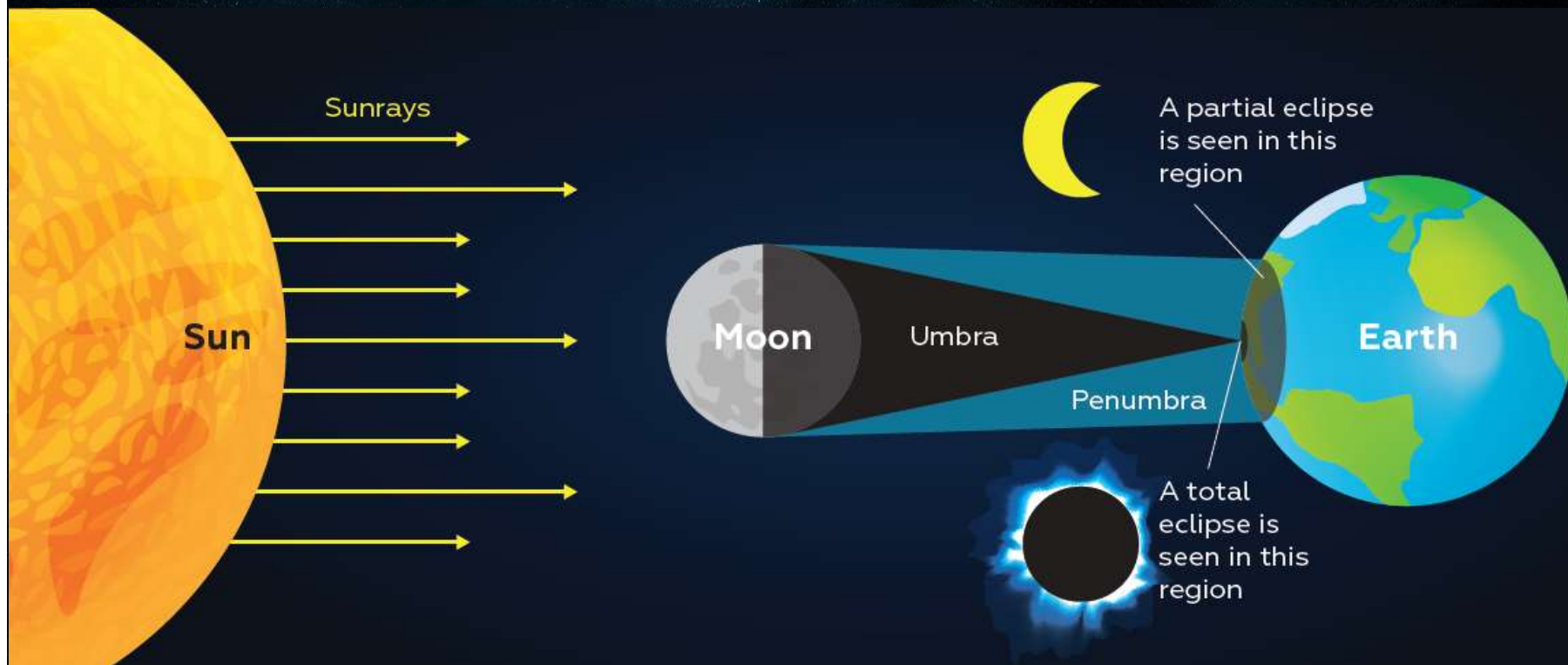
A Lunar eclipse is when the Moon falls in the Earth's shadow

- these happen only at night, when the Moon is full
- they happen more often because the Earth's shadow is much larger than the moon's shadow



A Solar eclipse is when the Moon's shadow falls on to the Earth

The Moon is much smaller than the Earth, so only a small area on the Earth is in the Moon's shadow.



There are three kinds of Solar Eclipses

- Partial, Annular, and Total



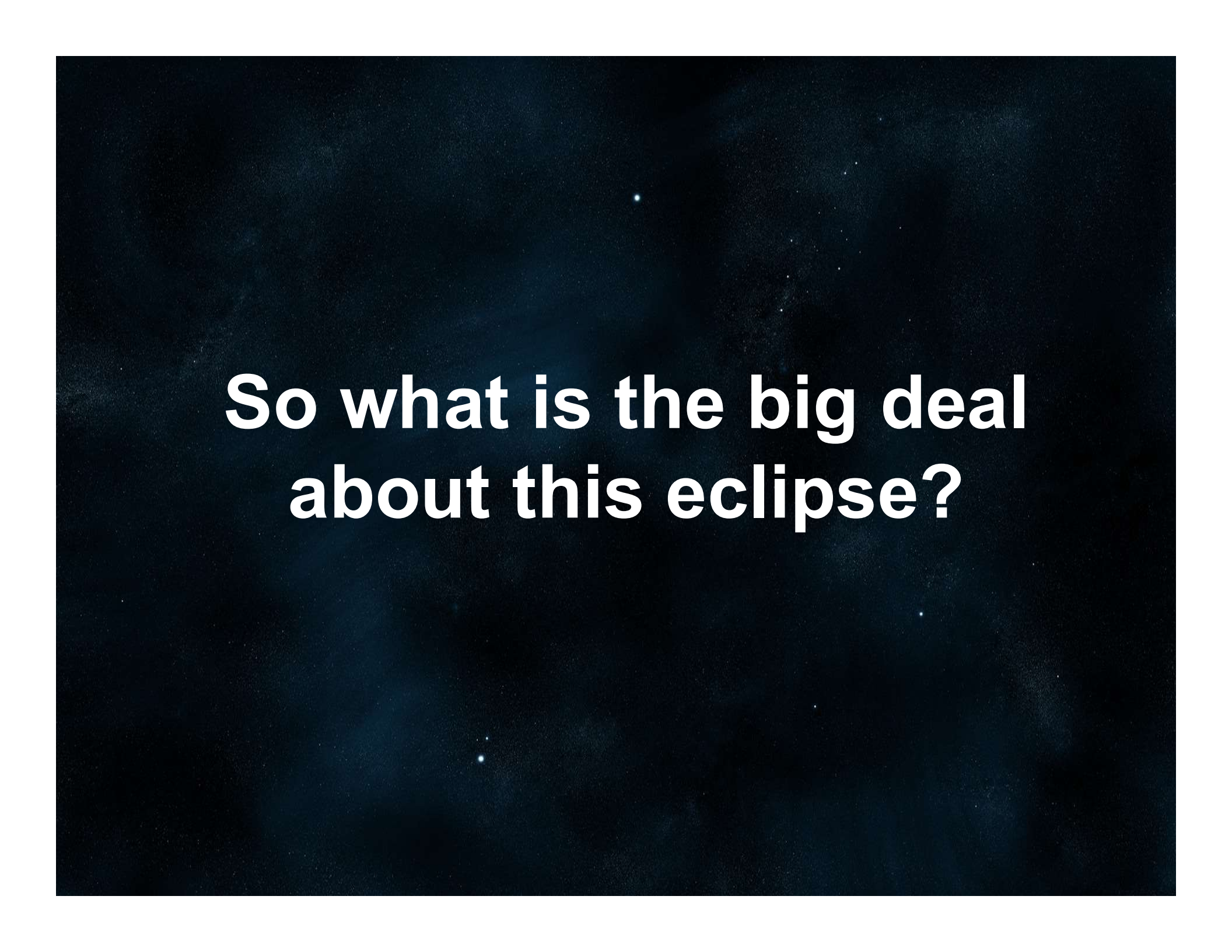
Partial



Annular



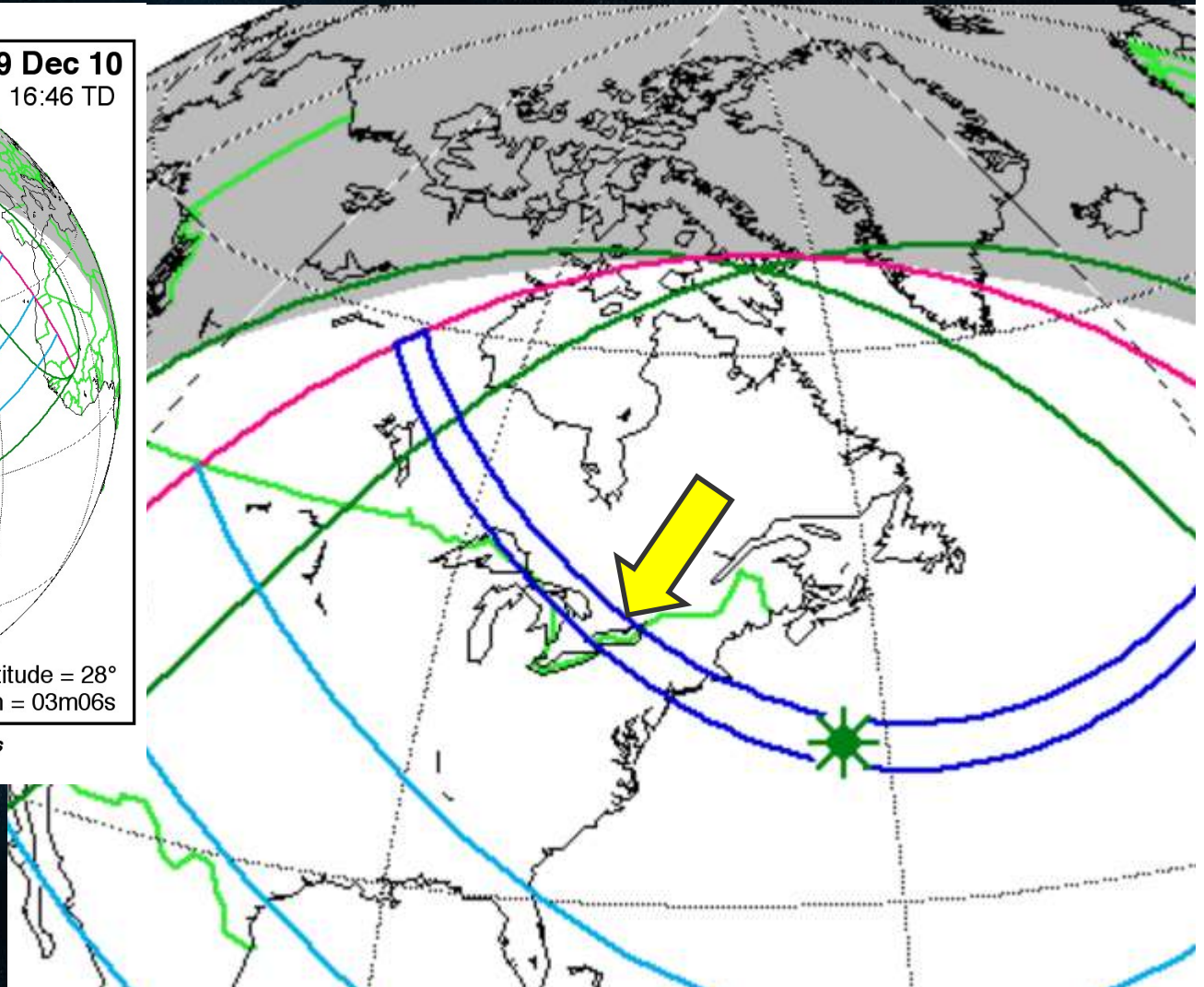
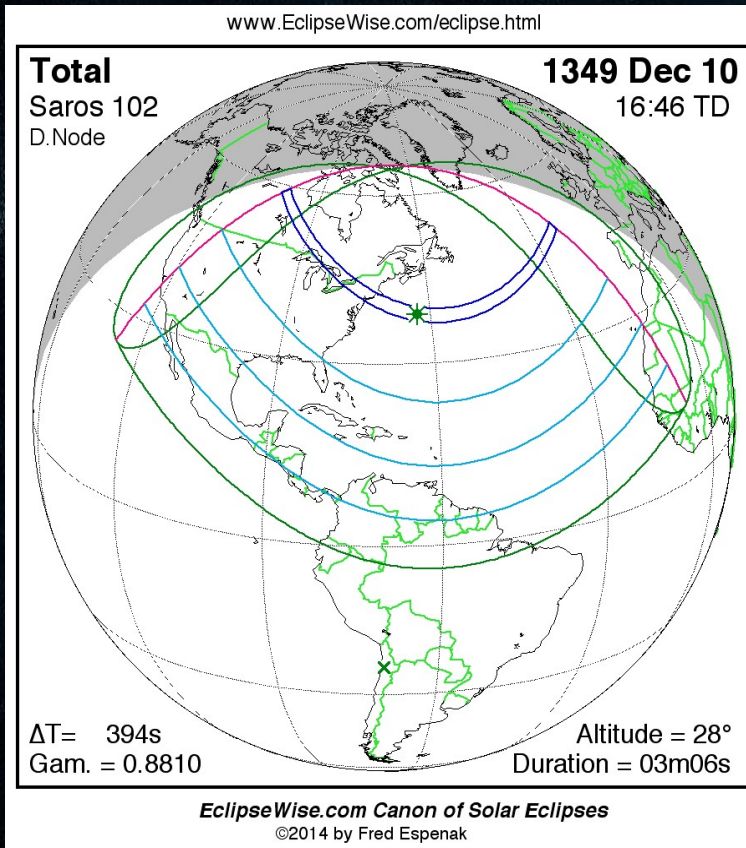
Total



**So what is the big deal
about this eclipse?**

Big deal or not?

The last total eclipse of the sun that passed through our area occurred on December 10, 1349 – 675 years ago



Big deal or not?

although one passed west of us in 1925 – 99 years ago

