

# Episode Seventy-Two - Alternative Explanations in Science, and The Size of The Sun

Post by “Eikadistes” of May 27, 2021 at 8:20 AM

It *is* an *incredibly unique* and **rare** coincidence that Earth's **ONLY** star, and Earth's **ONLY** satellite appear to be the **SAME SIZE** to Earthlings. We have not seen this mathematical accident replicated on any of the thousands of exoplanets we have discovered.

Interestingly, NASA has a database of all Solar and Lunar eclipses. [<https://eclipse.gsfc.nasa.gov/SEcat5/SE-0399--0300.html>]

Throughout Epicurus' lifetime (341 - 270 BCE) , there only seems to have been a single Total Solar Eclipse (between the years 320 BCE and 301 BCE.) that would have placed both Lampsacus and Athens directly in the Moon's umbra.

I'm going to do more research to flesh this out, but we should be able to accurately define every solar eclipse, lunar eclipse, and comet (at least the ones that are still around) that Epicurus would have directly witnessed in ancient Greece.

It could be possible Epicurus happened to have lived in a time period where Total Eclipses over Athens were rare, and, thus, an unreliable phenomena to draw conclusions from due to its rarity, so, perhaps it wasn't of great interest.

Witnessing [Distant Object I of Size A] seamlessly slide behind [Distant Object II of Size A] begs a few geometric questions about the objects' spatial relationship.

