



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

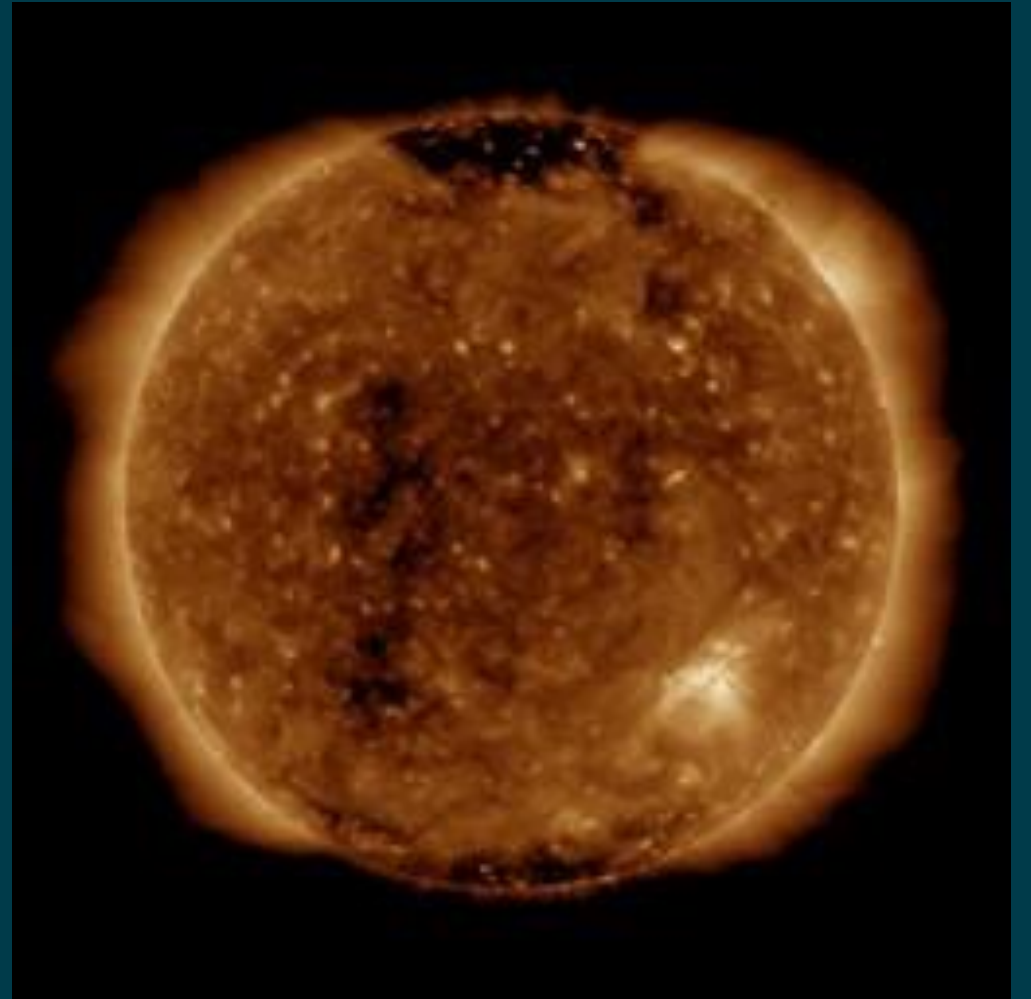


Our Solar System to Scale: Sizes and Distances

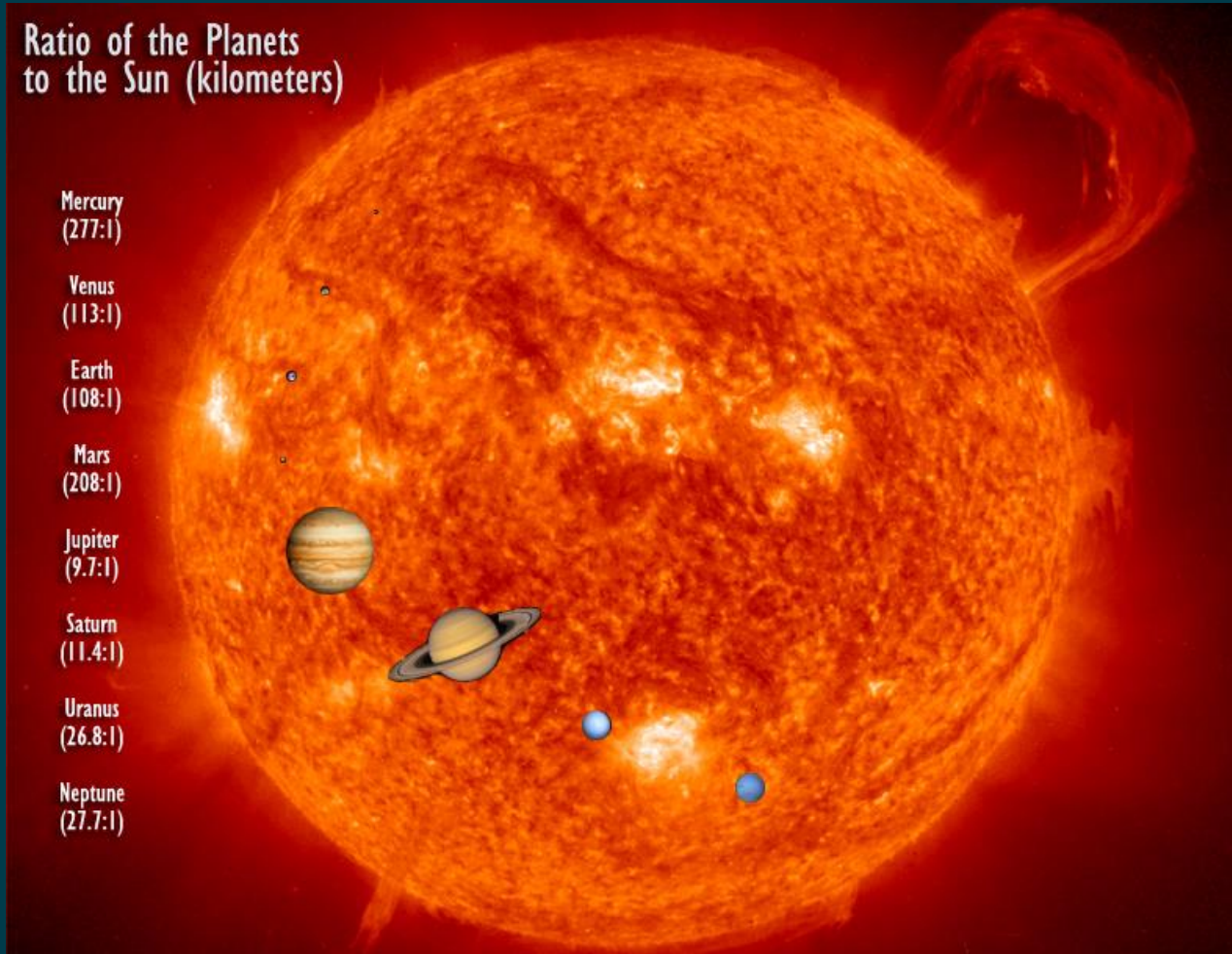


The Sun

- Yellow dwarf star
- The sun's atmosphere - or corona - is hotter than the surface of the sun.
- 100 Earths could fit across the Sun in this image

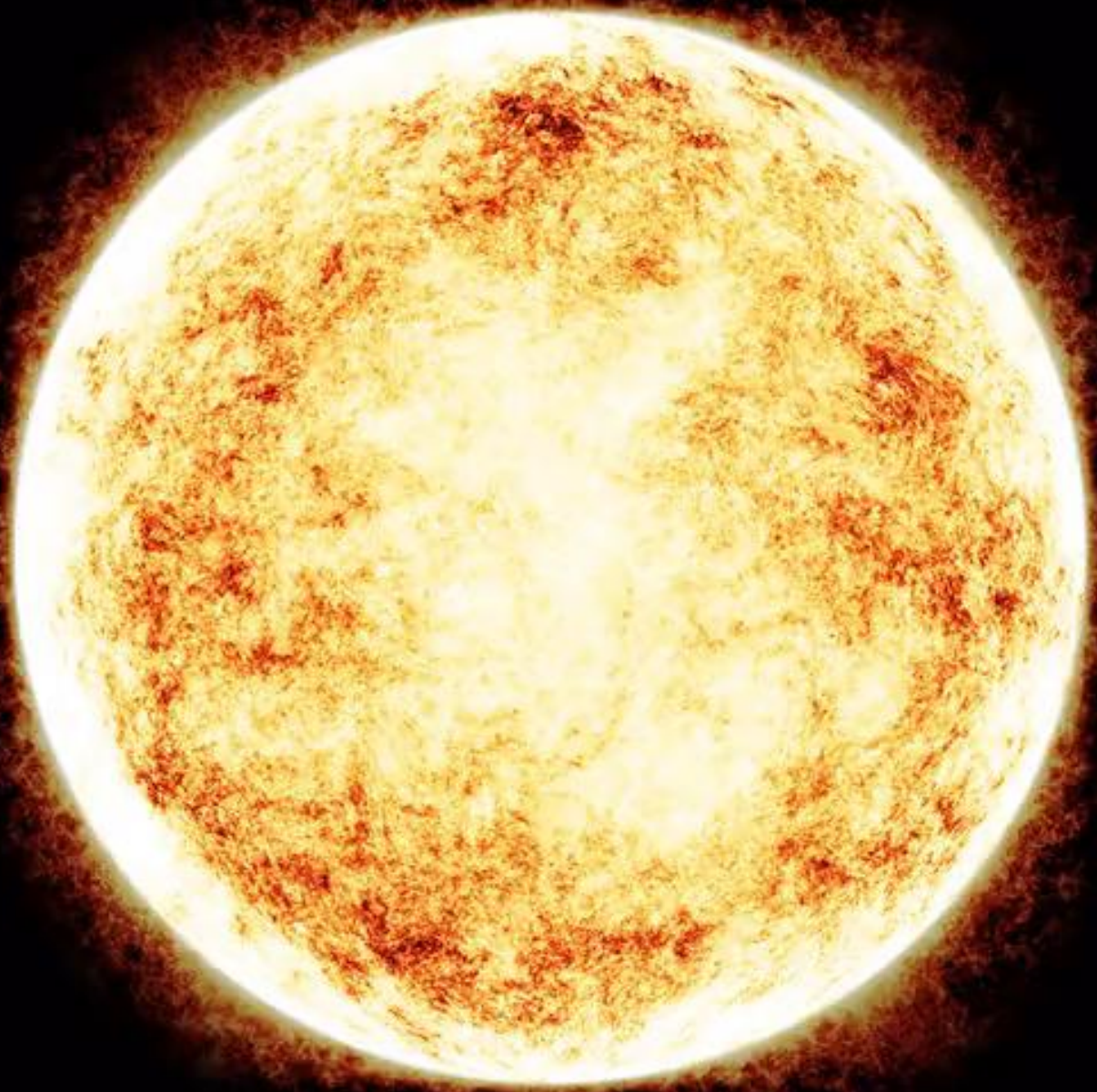


Relative Planet Sizes



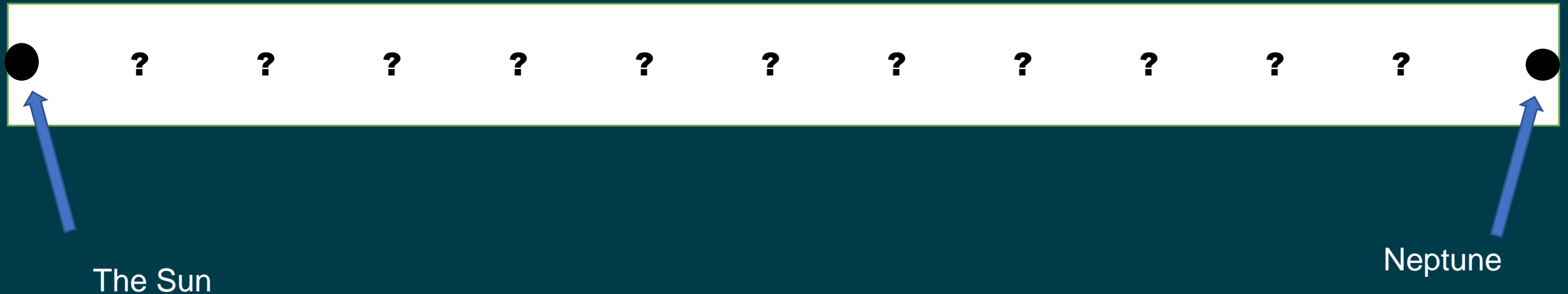
<https://sdo.gsfc.nasa.gov/>

Using classroom objects can you show what size the planets are compared to the big image of the Sun on the next slide?

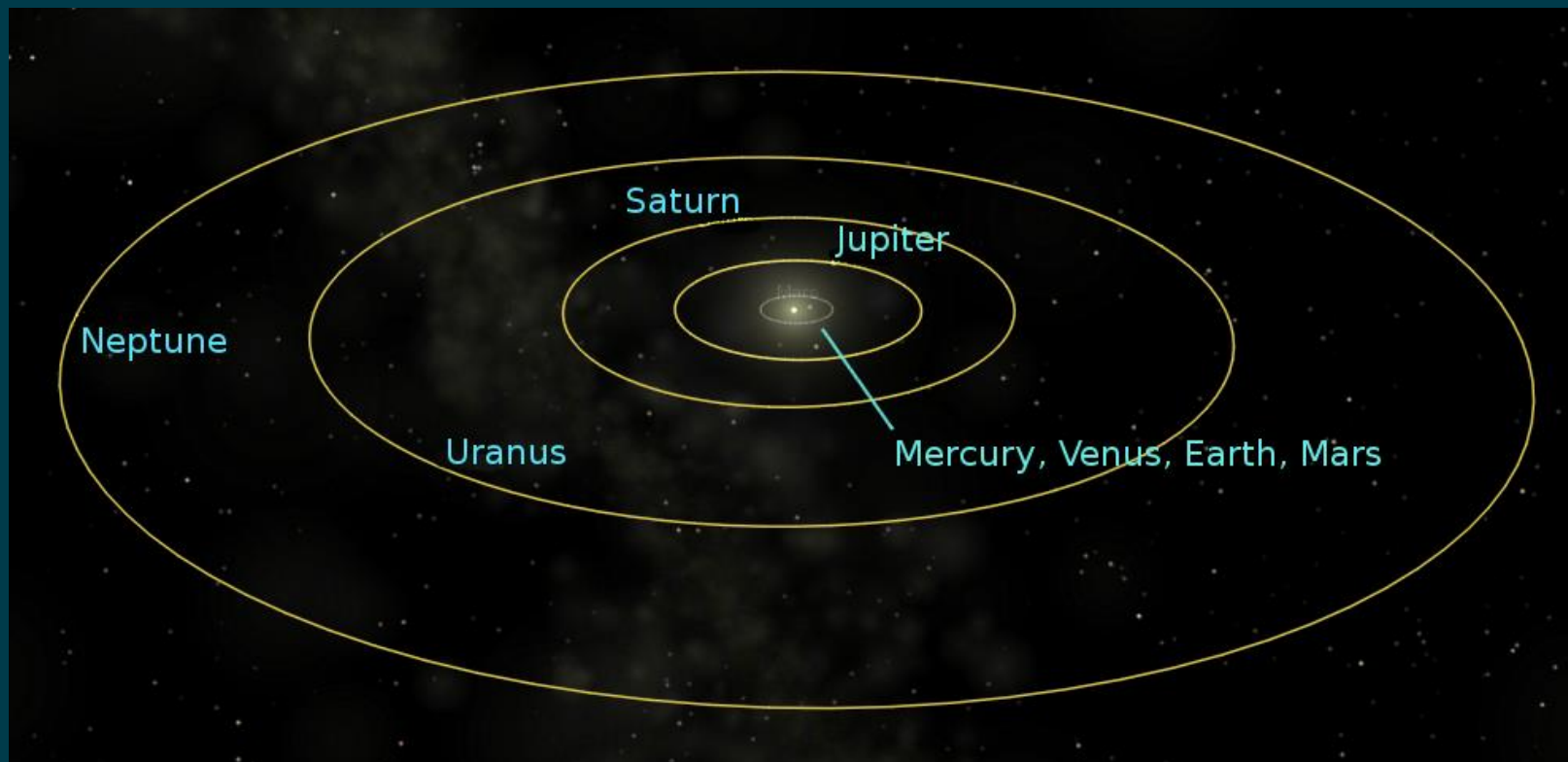


Estimating Distances

With your thin piece of paper estimate where the planets are in between the Sun and Neptune



Actual Distances



[if the moon were a pixel](#)



Mercury

Venus

Earth

Mars

Jupiter

Saturn

Uranus

Neptune

Why do we think this misconception exists?