

**Astronomy: a diagram of the earth and other planets. Coloured engraving, 1846**

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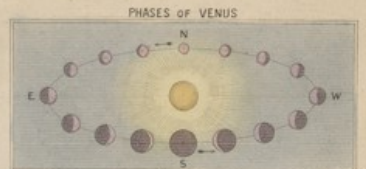


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# COMPARATIVE MAGNITUDES OF THE PLANETS.

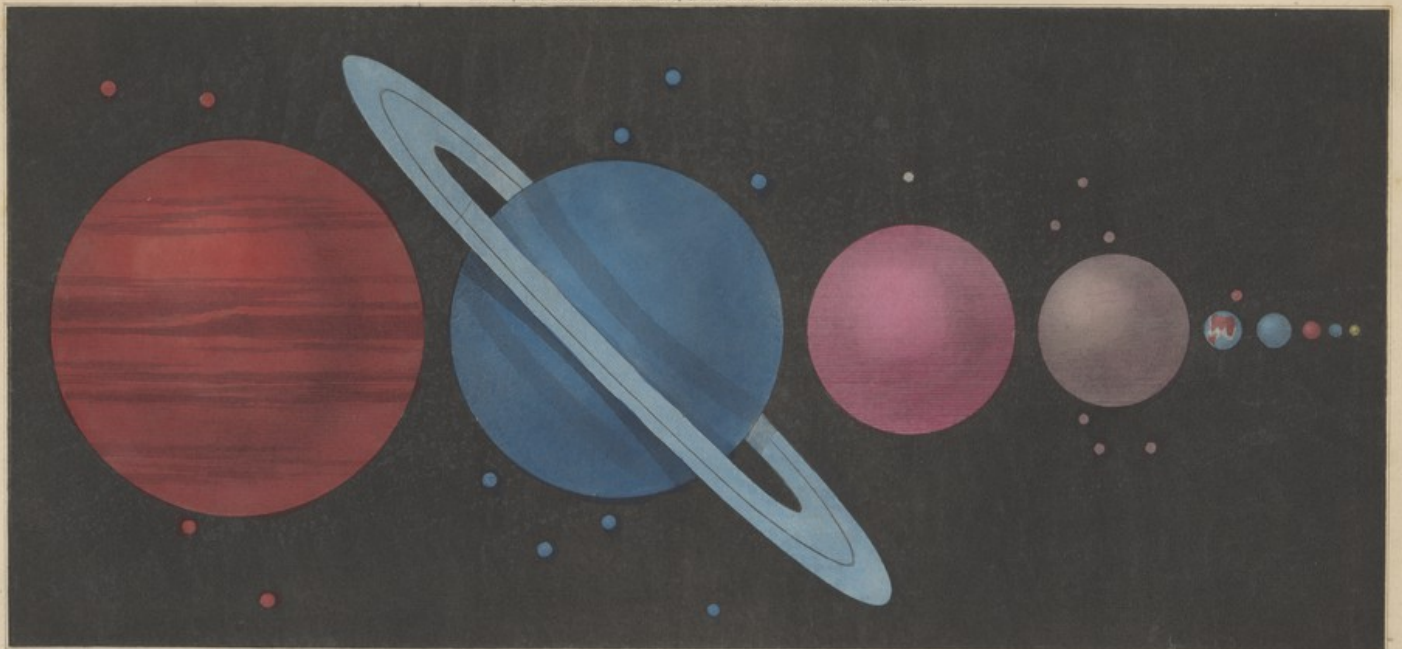


The side representations are the Phases of Saturn as seen from the Earth in the corresponding positions of its orbit.



Venus in her course from south to west to north appears as a Morning Star in the other half of her course from north to east to south as an Evening Star.

The Comparative Diameter of the Sun upon this scale will be Two feet four inches.



**JUPITER**  
Diameter 80,000 Miles

**SATURN**  
79,000 Miles

**NEPTUNE**  
50,000 Miles

**URANUS**  
35,000 Miles

**EARTH**  
7,912

**VENUS**  
7,680

**MARS**  
4,216

**MERCURY**  
3,110

**MOON**  
2,160

## RELATIVE DISTANCES OF THE PLANETS FROM THE SUN.



A cannon ball flying at the rate of 1000 Miles an hour, would take to reach the Sun, from Mercury 4 1/2 years, Venus 8 years, Earth 11 years, Mars 1 1/2 years, Jupiter 20 years, Saturn 107 years, Uranus 205 years, and Neptune, about 350 years.