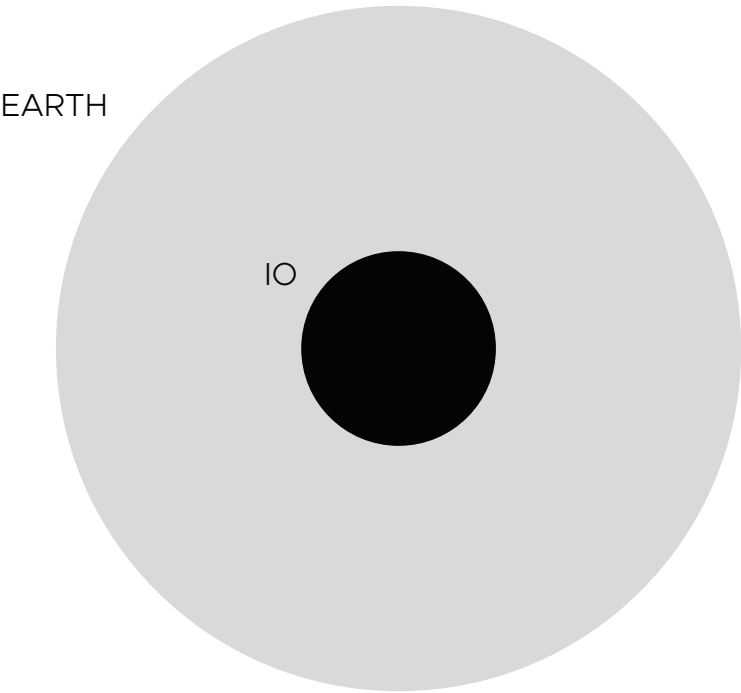


The Galilean moons—the four largest moons of Jupiter—are shown in their correct order of distance from Jupiter, and their correct relative orbital distances. The sizes of the bodies are greatly exaggerated relative to the orbital distances.

**IO**—Jupiter's rocky moon—is the most volcanically active world in the solar system, with hundreds of volcanoes, some erupting lava fountains dozens of miles (or kilometers) high. Io's remarkable activity is the result of a tug-of-war between Jupiter's powerful gravity and smaller but precisely timed pulls from two neighboring moons that orbit farther from Jupiter—Europa and Ganymede.

In mythology, Io is a mortal woman transformed into a cow during a dispute between the Greek god Zeus—Jupiter in Roman mythology—and his wife, Hera—Juno to the Romans.



Io is 0.29x (or 29%) the size of Earth

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