



Solar System to Scale

Sun is scaled one meter (39") in diameter

Actual Size of Sun: 1,391,000 km (864,000 mi)

AU ("Astronomical Unit") is the average distance between the Sun and Earth:

150 million km (93 million mi)

A little more than 100 Sun diameters will span the distance of one AU

Mercury

Actual Size: 4,900 km (3,000 mi) diameter

Scaled Size: 3.4 mm (0.14")

Average distance from Sun: 0.4 AU

Scaled Distance from Sun: 42 m (48 yd)



Venus

Actual Size: 12,100 km (7,500 mi) diameter

Scaled Size: 8.6 mm (0.34")

Average distance from Sun: 0.7 AU

Scaled Distance from Sun: 75 m (84 yd)



Earth

Actual Size: 12,800 km (7,900 mi) diameter

Scaled Size: 9.1 mm (0.36")

Average distance from Sun: 1 AU

Scaled Distance from Sun: 110 m (120 yd)

(Approx. 110 Earth diameters will span the diameter of the Sun)



Mars

Actual Size: 6,800 km (4,200 mi) diameter

Scaled Size: 4.8 mm (0.2")

Average distance from Sun: 1.5 AU

Scaled Distance from Sun: 165 m (180 yd)



Jupiter

Actual Size: 143,000 km (88,800 mi) diameter

Scaled Size: 100 mm (3.9")

Average distance from Sun: 5.2 AU

Scaled Distance from Sun: 560 m (625 yd)

(Approx. 10 Jupiter diameters will span the diameter of the Sun)

Saturn

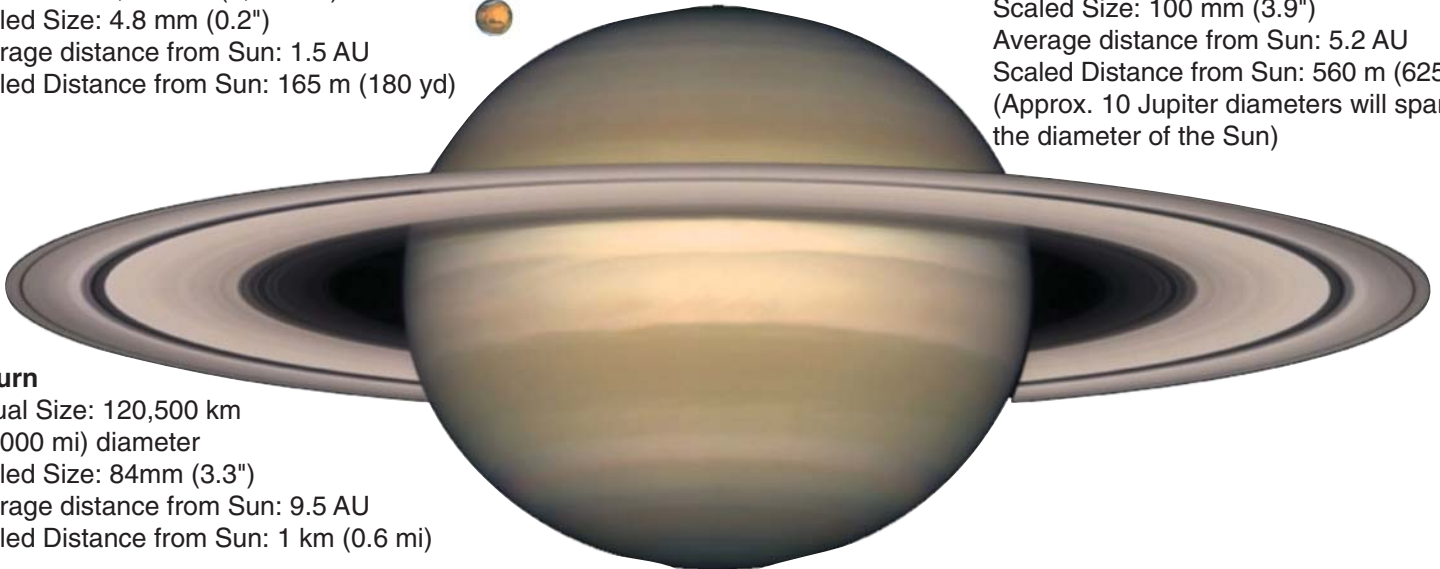
Actual Size: 120,500 km

(75,000 mi) diameter

Scaled Size: 84mm (3.3")

Average distance from Sun: 9.5 AU

Scaled Distance from Sun: 1 km (0.6 mi)



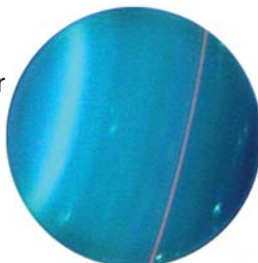
Uranus

Actual Size: 51,100 km (31,800 mi) diameter

Scaled Size: 34 mm (1.3")

Average distance from Sun: 19 AU

Scaled Distance from Sun: 2 km (1.3 mi)



Neptune

Actual Size: 49,500 km (30,800 mi) diameter

Scaled Size: 33 mm (1.3")

Average distance from Sun: 30 AU

Scaled Distance from Sun: 3 km (2 mi)

