

How big is the Solar System?

Short answer: The Solar System is a disc shape, 244 astronomical units wide (244 times the distance from the Sun to the Earth, or about 36.6 billion km). Long answer: There is some disagreement over exactly where the edge of the Solar System is, so there are disagreements over its size.

How far does our Solar System extend?

Our Solar System extends much, much farther than where the planets are. The furthest dwarf planet, Eris, orbits within just a fraction of the larger Solar System. The Kuiper Belt, where we find a Pluto, Eris, Makemake and Haumea, extends from 30 astronomical units all the way out to 50 AU, or 7.5 billion kilometers. And we're just getting started.

What is a small body in the Solar System?

Any natural solar system object other than the Sun, a planet, a dwarf planet, or a moon is called a small body; these include asteroids, meteoroids, and comets. Most of the more than one million asteroids, or minor planets, orbit between Mars and Jupiter in a nearly flat ring called the asteroid belt.

Where is our Solar System located?

Our solar system is located in the Milky Way, a barred spiral galaxy with two major arms, and two minor arms. Our Sun is in a small, partial arm of the Milky Way called the Orion Arm, or Orion Spur, between the Sagittarius and Perseus arms. Our solar system orbits the center of the galaxy at about 515,000 mph (828,000 kph).

The scale of our Solar System is gigantic. There's more to our cosmic neighbourhood than eight planets and an asteroid belt.

Explore an Interactive 3D Solar System Map Rotate, zoom, and explore the planets in a real-time 3D solar system experience. UniverseMap's interactive viewer is designed for students, educators, ...

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Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites; ...

How wide is the solar system compared to the distance to the nearest star? Our solar system, even considering the Oort Cloud, is a fraction of the distance to Proxima Centauri, the ...

Define the Solar System's true size. We explore its shifting boundaries determined by light, solar wind, and gravitational influence.

Our solar system's largest planet is an average distance of 484 million miles (778 million kilometers) from the

Sun. That's 5.2 AU. Jupiter is the largest of the planets, spanning nearly 1.75 ...

Our solar system includes the Sun, eight planets, five dwarf planets, and hundreds of moons, asteroids, and comets.

The Earth is located in a planetary system we call the solar system located in one of the four spiral arms of the Milky Way galaxy. Our solar system consists of 4 inner planets ( Mercury, ...

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