

# Solar system planet locations





## Overview

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What planets are in the Solar System?

As you zoom out, the solar system's outer planets – Jupiter, Saturn, Uranus and Neptune – come into view. The date slider allows you to move forwards or backwards by a few months to see the motion of the planets along their orbits. The top panel shows where the planets appear in the night sky from the Earth.

Which planets are in orbit with respect to the Sun?

Position of each of the planets of the solar system (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune) in their orbits with respect to the Sun for any date and time. Position of the planets in real time and accelerated animation of the planetary orbits.

How many planets are there in the Solar System?

A mostly empty space with eight surviving planets, five dwarf planets, a band of possibly millions of asteroids. All of this is thought to be surrounded by a cloud of icy comets - preserved remains of that early dust from which the solar system formed.

Which planet is closest to the Sun?

Mercury is the closest planet to the Sun, orbiting at an average distance of 36 million miles (58 million kilometers). Mercury is 57 million miles closer to the Sun than Earth. Mercury's Caloris basin is prominently featured in this view from NASA's MESSENGER spacecraft. Just south of Caloris lies the Mozart basin.

Where can I see the sun & moon?

It will be visible from Asia, Africa, Australia, Europe, New Zealand, Eastern South America. » Check out the complete details. Popular objects during the last 7 days based on the number of visualizations. Current positions of the



major bodies of the Solar System and the brightest comets. How the Sun and the Moon look like today.

What is the difference between a solar system map & a dwarf planet map?

Both apps show a solar system map - a "plan view" of the planets laid out in the plane of the ecliptic (the flat plane in which all the main planets move about the Sun). Dwarf planet positions are also shown - but it should be realised that these objects often rise far above and below the plane of the ecliptic.



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### [The Solar System: The Sun, Planets, Dwarf Planets, ...](#)

The solar system is filled with a wide assortment of celestial bodies - the Sun itself, our eight planets, dwarf planets, moons, asteroids and comets. The Earth is the only body in the solar system known to have life.

### Dwarf Planets of our Solar System

Solar System Map - showing size, mass and orbital period, and orbit scale of planets & dwarf planets Available as a poster here Dwarf Planets Here is a list of dwarf planets ordered in their distance from the Sun.



### [Where are the Dwarf Planets? Interactive live map](#)

\*This Interactive 3D Simulation is built on data provided by NASA JPL HORIZONS database for solar system objects and International Astronomical Union's Minor Planet Center. Distances and speeds are estimates based on ...



### Solar System

The most massive objects that orbit the Sun are the eight planets. Closest to the Sun in order of increasing distance are the four terrestrial planets - Mercury, Venus, Earth and Mars. Only



the Earth and Mars orbit within the Sun's ...



### [Position of the planets in the Solar System](#)

Position of each of the planets of the solar system (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune) in their orbits with respect to the Sun for any date and time. Position of the planets in real time and accelerated ...

### [The Planets In Order . From The Sun. Information. ...](#)

In our Solar System, there are eight planets. The planets in order from the Sun based on their distance are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. The planets of our Solar System are ...



### [Interactive Orrery . The Schools' Observatory](#)

An Orrery is often shown with the planets orbiting the Sun in an anti-clockwise direction. This is only true if you are viewing the Solar System from above the north of the Earth. We have chosen to show a different view, from above the ...



### [10 Places to Visit in the Solar System , Britannica](#)

The solar system isn't all stark craters and majestic vistas; humanity has scattered its artifacts among the planets and interplanetary space. If you had to choose one such historical site to visit, make it the Apollo 11 landing site at the ...



### [The Planets Today : A live view of the solar system](#)



The planets today shows you where the planets are now as a live display - a free online orrery. In this solar system map you can see the planetary positions from 3000 BCE to 3000 CE, and also see when each planet is in retrograde.

### [Our Solar System: A Tour of All the Planets](#)

The solar system is our cosmic neighborhood, a sprawling and dynamic family of celestial bodies orbiting a single, blazing star: the Sun. It's a place of fire and ice, storms and stillness, desolation and beauty. The planets, ...



### [Planets of our Solar System :: The Planets Today](#)

This page provides a brief description of each of the planets (and links to dwarf planets) of our solar system. You can also find out about the difference between planets, dwarf planets and small solar system bodies (SSSBs) here.



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