

Photo of our solar system

Where can I find high-resolution images of the Solar System?

Explore NASA's media galleries to view and download high-resolution images of the solar system, agency missions, and more. Discover the cosmos! Each day a different image or photograph of our fascinating universe is featured, along with a brief explanation written by a professional astronomer.

What objects are in our Solar System?

Our solar system contains objects ranging in size from the sun, the largest item, to tiny grains of rock in the asteroid belt. Take a tour of our cosmic neighborhood in pictures. Come on, let's go!

How many Solar System photos are there?

Browse 22,511 authentic solar system stock photos, high-res images, and pictures, or explore additional planet or galaxy stock images to find the right photo at the right size and resolution for your project. Digital illustration of the Solar system. Sun, Earth and planetary Moon, Mars, Jupiter, Saturn, Uranus, Neptune and the dwarf Pluto

Where is the Solar System located?

The Solar System is located in the Milky Way, a barred spiral galaxy with a diameter of about 100,000 light-years containing more than 100 billion stars. [269]

How many planets are in our Solar System?

Our solar system is made up of a star--the Sun--eight planets, more than 140 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto.

How did the Solar System form?

The Solar System [d] is the gravitationally bound system of the Sun and the objects that orbit it. [11] It formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, forming the Sun and a protoplanetary disc.

This narrow-angle color image of the Earth, dubbed "Pale Blue Dot", is a part of the first ever "portrait" of the solar system taken by Voyager 1. The spacecraft acquired a total of 60 frames for a mosaic of the solar system from a distance of more than 4 billion miles from Earth and about 32 degrees above the ecliptic.

Mars, the red planet, is the seventh largest planet in our solar system. Mars is about half the width of Earth, and has an equatorial diameter of about 4,221 miles (6,792 kilometers). Mars is the fourth planet from the Sun, orbiting at an average distance of 141.6 million miles (227.9 million kilometers). Mars is about 49 million miles (79 ...

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6 days ago; It took amazing pictures of this dwarf planet and will continue to study other objects in the Kuiper Belt from 2018 to 2022. Find out more about Pluto. Make a comet on a stick! Answer your questions: How many moons do other planets have? ... The hottest planet in our solar system . explore; All About the Planets. Learn more about the planets in ...

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The Nine Planets is an encyclopedic overview with facts and information about mythology and current scientific knowledge of the planets, moons, and other objects in our solar system and beyond. The 9 Planets in Our Solar System

Webb is solving mysteries in our solar system, looking beyond to distant worlds around other stars, and probing the mysterious structures and origins of our universe and our place in it. Webb is an international program led by NASA with its partners, ESA (European Space Agency) and the Canadian Space Agency. Learn more about Webb at: webb.nasa.gov

Visualize orbits, relative positions and movements of the Solar System objects in an interactive 3D Solar System viewer and simulator. We use cookies to deliver essential features and to measure their performance. Learn more. ... home play_arrow pause list search schedule photo_camera help ©2024 TheSkyLive | About | Bg image: ESO/S. Brunier

The spacecraft acquired a total of 60 frames for a mosaic of the solar system from a distance of more than 4 billion miles (6 billion km) from Earth and about 32 degrees above the ecliptic, which ...

The Solar System [d] is the gravitationally bound system of the Sun and the objects that orbit it. [11] It formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, forming the Sun and a protoplanetary disc. The Sun is a typical star that maintains a balanced equilibrium by the fusion of hydrogen into helium at its core, releasing this energy from its ...

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The sun is by far the largest object in our solar system, containing 99.8% of the solar system's mass. It sheds most of the heat and light that makes life possible on Earth and possibly elsewhere.

The Hubble Space Telescope turned its impressive eyes to Jupiter, the fifth planet from the sun, to take this lovely portrait in 2017. Jupiter, a gas giant, is the largest planet in our solar system.

The Solar System "family portrait" is the final series of 60 images captured by NASA's Voyager 1 that show six of our solar system's planets. It remains the first and only time -- so far -- a spacecraft has attempted to photograph our home solar system. Only three spacecraft have been capable of making such an observation from such a distance: Voyager 1, Voyager ...

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In this image, JWST captures its first-ever image of an exoplanet, or a planet outside our solar system. The planet, named HIP 65426 b, is a gas giant up to 8 times more massive than Jupiter and ...

We mean waaaay out there in our solar system - where the forecast might not be quite what you think. Let's look at the mean temperature of the Sun, and the planets in our solar system. The mean temperature is the average temperature over the surface of the rocky planets: Mercury, Venus, Earth, and Mars. Dwarf planet Pluto also has a solid ...

6 days ago; Gallery of NASA Solar System Images. Our solar system is made up of a star--the Sun--eight planets, more than 140 moons, a bunch of comets, asteroids and space rocks, ice, ...

The solar system encompasses planets, moons, asteroids, comets, and dwarf planets, that orbit around the Sun at its center. The solar system was created about 4.6 billion years ago in a collapsing cloud of gas and dust that eventually flattened into a rotating disk. The two main regions of the solar system are the inner and outer solar systems.

NASA's MESSENGER spacecraft has constructed the first portrait of our solar system by combining 34 images taken by the spacecraft's Wide Angle Camera on Nov. 3 and 16, 2010. The mosaic, pieced together over a period of a few weeks, comprises all of the planets except for Uranus and Neptune, which were too faint to detect.

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