

Real photo of our solar system





Overview

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 was the First 'Family Portrait' of our Solar System?

It snapped a series of 60 images that were used to create the first “family portrait” of our solar system. The image series contains the famous image that would become known as the Pale Blue Dot, revealing Earth was a tiny dot within a scattered ray of sunlight.

What is a solar system family portrait?

First-Ever Solar System Family. 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.

Can a spacecraft photograph our Solar System?

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 2 and New Horizons. Alternate view with planets enlarged.

What is a NASA photo?

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. Official NASA photographs from agency photographers chronicle what's making news across the agency, from launches and landings to important science announcements.



What is a NASA family portrait?

"The family portrait is a symbol what NASA exploration is really about: Seeing our world in a new and bigger way," Dr. Thomas H. Zurbuchen, Associate Administrator of NASA's Science Mission Directorate, said in 2018. The family portrait remains the first and only time a spacecraft has attempted to photograph our home solar system.



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[Milky Way and Our Location](#)

Graphic view of our Milky Way Galaxy. The Milky Way Galaxy is organized into spiral arms of giant stars that illuminate interstellar gas and dust. The Sun is in a finger called the Orion Spur. Overlaid is a graphic of galactic longitude in relation to our Sun. Credit

Planets in Order From the Sun , Pictures, Facts, and

Our planetary system is the only official solar system in the Universe, but astronomers continue to find thousands of other stars with planets orbiting them in our galaxy. Without the sun's gravity, every planet and object in the solar system would drift randomly into space.



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Eyes

Eyes on Asteroids Track over 30,000 asteroids that are near Earth's orbit, see the next 5 closest approaches to Earth, and learn about current and historic NASA asteroid and comet missions in this real-time 3D simulation of the solar system. Try out the interactive



Hubble Images

Hubble's Solar System The Hubble Space Telescope's view of the planets and other objects orbiting our Sun. View Gallery Flickr albums and see astronauts at work in space, behind the scenes of mission operations, and Hubble's iconic images from nebulae



Images Voyager Took

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. This data visualization uses actual spacecraft trajectory data to show the family portrait image from Voyager 1's perspective in February 1990.



NASA/JPL Eyes

NASA's Solar System Interactive (also known as the Orrery) is a live look at the solar system, its planets, moons, comets, and asteroids, as well as the real-time locations of dozens of NASA missions.



Solar System Facts

Our planetary system is called "the solar system" because we use the word "solar" to describe things related to our star, after the Latin word for Sun, "solis." Potential for Life So far, we've only know about life on Earth, but NASA is ...



[True-Color Photos of All the Planets](#)

True-color solar system collage: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto. (Wish I could add Ceres and Eris, but we don't yet have hi-res color photos of them.) So I set out to make a collage of ...

[First-Ever Solar System Family Portrait \(1990\)](#)

It snapped a series of 60 images that were used to create the first "family portrait" of our solar system. The image series contains the famous image that would become known as the Pale Blue Dot, revealing Earth was a ...



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A Solar System Family Portrait, From the Inside Out

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 ...



[Image Archive: Solar System](#)

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In Depth , Our Solar System - NASA Solar System Exploration

Formation Formation Our solar system formed about 4.5 billion years ago from a dense cloud of interstellar gas and dust. The cloud collapsed, possibly due to the shockwave of a nearby exploding star, called a supernova. When this dust cloud collapsed, it formed a



Fantastic Photos of our Solar System , Smithsonian

Fantastic Photos of our Solar System In the past decade, extraordinary space missions have found water on Mars, magnetic storms on Mercury and volcanoes on the moons of Saturn We've been looking



Voyager 1's Pale Blue Dot

It snapped a series of 60 images that were used to create the first "family portrait" of our solar system. The picture that would become known as the Pale Blue Dot shows Earth within a scattered ray of sunlight. Voyager 1 was so far away that -- from its vantage



Voyager: 15 incredible images of our solar system (gallery)

NASA's twin probes Voyager 1 and Voyager 2 have captured some truly remarkable images of our solar system and are currently roaming through interstellar space.

42 jaw-dropping James Webb Space Telescope images

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



[All Real Images From Our Solar System](#)

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Subscribe: <https://goo.gl/r5jd1F> Hey everyone, we put together the best real images of the solar system and the univers All Real Images From Our Solar



Real-Time, Real Data

This simulated view of our solar system runs on real data. The positions of the planets, moons and spacecraft are shown where they are right now. Credit: NASA/JPL-Caltech This simulated view of our solar system runs on real data. The positions of the planets

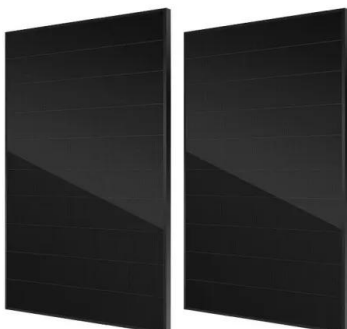


[The Solar System to Scale: Dynamic 2D Model](#)

1 pixel = 1,000 km. This 2D visual model illustrates the scale of the sun and planets in our solar system, and their current distance from each other. The Solar System to Scale in which every pixel on the screen represents 1,000 kilometers.

Solar System Multimedia

The Solar System The Sun Mercury Venus Earth The Moon Mars Jupiter Saturn Uranus Neptune Pluto & Dwarf Planets Asteroids, Comets & Meteors The Kuiper Belt The Oort Cloud Skywatching Español Ciencia Aeronáutica Ciencias Terrestres



Incredible REAL Images of our Solar System from Space (4K UHD)

Since the 1940s we have captured thousands of spectacular images of the solar system. From massive eruptions on the Sun to the perfect world we call home and



Top 100 Images

Nestled amongst the vast clouds of star-forming regions like this one lie potential clues about the formation of our own Solar System. This week's NASA/ESA Hubble Space Telescope Picture of the Week features AFGL 5180, a beautiful stellar nursery located in ...



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