



Nasa solar system exploration overview

What is the Solar System exploration program?

The Solar System Exploration Program consists of large, strategic missions that seek to advance high priority science objectives set forth by the planetary science community. Because of their complexity, NASA typically assigns these efforts directly to a NASA center or other implementing organization.

What are Solar System exploration missions?

Solar System Exploration missions vary in scope -- from small, focused investigations to large, strategic missions of national importance. These include our "flagship" missions to answer the most compelling and challenging questions about our solar system.

How did space exploration start?

Space exploration - Solar System, Probes, Missions: From the start of space activity, scientists recognized that spacecraft could gather scientifically valuable data about the various planets, moons, and smaller bodies in the solar system. Both the United States and the U.S.S.R. attempted to send robotic missions to the Moon in the late 1950s.

Which missions have been selected under the Solar System exploration program?

The following are missions that have been selected under the Solar System Exploration Program. The Double Asteroid Redirection Test, or DART, was the first demonstration of the kinetic impact technique to change the motion of an asteroid in space.

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Explore the 3D world of the Solar System. Learn about past and future missions.

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From the Moon and Mars to distant bodies like Bennu, Titan, and celestial realms beyond, Goddard scientists systematically investigate the solar system and planetary systems throughout the cosmos, ...

Our solar system includes the Sun, eight planets, five officially named dwarf planets, hundreds of moons, and thousands of asteroids and comets. Our solar system is located in the Milky ...

The Solar System Exploration Division conducts theoretical and experimental research to explore the solar system and understand the formation and evolution of planetary systems.

Our solar system consists of our star, the Sun, and everything bound to it by gravity - the planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune; dwarf planets such as Pluto; ...



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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; ...

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