Planetary history

The eight planets of the Solar System with size to scale (up to down, left to right): Saturn, Jupiter, Uranus, Neptune (outer planets), Earth, Venus, Mars, and Mercury (inner planets). A planet is a large, rounded astronomical body that is generally required to be in orbit around a star, stellar remnant, or brown dwarf, and is not one itself. [1] The Solar System has eight planets by the ...

Co-founded by Carl Sagan in 1980, The Planetary Society is a member-funded nonprofit organization dedicated to advancing space science and exploration through three core enterprises. Explore Worlds. Increase discoveries about the worlds of our solar system and beyond. Find Life.

Planetary was an influential 2000s Comic Book series that followed a trio of "mystery archaeologists" tasked to expose the secret history of the WildStorm comic book universe and protect these secrets from a quartet known as "The Four" who seek to hoard the secrets for their own selfish desires. It was written by Warren Ellis with John Cassaday and Laura Martin doing ...

Societal Impacts of Spaceflight (NASA History Division, 2007), Remembering the Space Age (NASA History Division, 2008); NASA"s First 50 Years: Historical Perspectives (NASA History ... Funding Planetary Science: History and Political Economy. Jason W. Callahan . 35 Chapter 3: The Politics of Pure Space Science, the Essential Tension:

Funded by the mysterious Fourth Man, who it is said could be anyone from Bill Gates to Adolf Hitler, the field team consists of three superhumans: Jakita Wagner, who is strong, fast and nearly invulnerable; The Drummer, who can detect and manipulate nearby information streams, most commonly The Planetary are an organization billing themselves as "Archaeologists of the ...

As planetary scientists, we lay eyes on landscapes never seen before, and use our observations to seek answers to some of the most fundamental and existential questions there are. ... and Lawrence Livermore National Lab. Our research also benefits from Silicon Valley"s long history and culture of data-driven science and innovation. NASA Ames ...

Planetary scientists also create maps of other planetary bodies to help understand their geologic history, processes, and how the different rocks relate to each other in space and time. They also simulate and test geologic processes ...

The Evolution of Our Solar System is drawn from multiple disciplines, and every event is the product of years of research by numerous scientists. The statements made, and the placements in time of those statements, do not always reflect the ongoing scientific debates, but rather reflect the broad consensus at this time.

o The big questions of planetary science and what has been learned in the 50 years of solar system exploration.
o The relationships of organizations (international, civil/military, etc.)

Planetary history

It makes the case for the need to elaborate a new notion of history-captured by the phrase "more-than-human his-tory", and attuned to an emerging planetary regime of historicity in which ...

Summary: "To commemorate the 50th anniversary of the first successful planetary mission, Mariner 2 sent to Venus in 1962, the NASA History Program Ofice, the Division of Space History at the National Air and Space Museum, NASA"s Science Mission Directorate, and the Jet Propulsion Laboratory organized a symposium.

Neptune"s largest moon, Triton, was found to be the coldest known planetary body in the solar system, with a nitrogen ice "volcano" on its surface. Image Credit: NASA/JPL. Uranus. Data from Voyager 2 showed Uranus"s rotation is 17 hours, 14 minutes. It also discovered 11 moons and two rings that had been previously undetected.

In addition to linking planetary processes that were generally thought to be unconnected, the study could reframe scientists" understanding of Earth"s early history and provide insight into ...

The Planetary Society was founded in 1980 by Carl Sagan, Bruce Murray, and Louis Friedman as a champion of public support of space exploration and the search for extraterrestrial life. Until the death of Carl Sagan in 1996, the Society was led by Sagan, who used his celebrity and political clout to influence the political climate of the time, including protecting SETI in 1981 from ...

The Planetary Report is the internationally recognized flagship magazine of The Planetary Society, featuring lively articles and full-color photos to provide comprehensive coverage of discoveries on Earth and other planets.. This quarterly magazine reaches members of The Planetary Society all over the world, with news about planetary missions, spacefaring nations, ...

An artist"s concept of a planetary system. A planetary system is a set of gravitationally bound non-stellar bodies in or out of orbit around a star or star system.Generally speaking, systems with one or more planets constitute a ...

Unless otherwise specified in the image gallery, all images are the original designs of these artists, and are the property of the Lunar and Planetary Institute. The Evolution of Our Solar System was conceived by the late Dr. Graham Ryder as a teaching tool for students.

NASA"s planetary science program explores the objects in our solar system to better understand its history and the distribution of life within. Advancing Knowledge of Other Worlds For decades, NASA"s planetary science program has advanced scientific understanding of our solar system in extraordinary ways, pushing the limits of spacecraft ...

Planetary science began in earnest with Galileo"s studies of the planets and their moons. For 350 years our

view of the Solar System was filtered through ground-based ...

The history of a planetary surface can be deciphered by mapping features from top to bottom according to their deposition sequence, as first determined on terrestrial strata by Nicolas Steno. For example, stratigraphic mapping prepared the Apollo astronauts for the field geology they would encounter on their lunar missions.

The advent of the age of Solar System exploration -- the Mariner 2 flyby of Venus in 1962 was the first successful planetary encounter -- has brought close observation and even experiment to bear in the past five decades, and has transformed our knowledge of the Solar System.

In December 2020, the Planetary Solutions Project launched with a symposium that brought together Yale voices who study, create, communicate, and lead effective solutions around climate change, biodiversity, environmental justice, and health. The conversations demonstrated a wide interest in connecting both existing work and new endeavors to ...

Using recommendations from the National Academies" Planetary Science and Astrobiology Decadal Survey 2023-2032 as our guide, NASA planetary science missions and research inform us about our solar system"s origin and evolution, which will enable the expansion of humanity beyond Earth.

Charted timeline of Solar System exploration, as of December 2014. This is a timeline of Solar System exploration ordering events in the exploration of the Solar System by date of spacecraft launch. It includes: All spacecraft that have left Earth orbit for the purposes of Solar System exploration (or were launched with that intention but failed), including lunar probes.

The formation and evolution of our solar system (and planetary systems around other stars) are among the most challenging and intriguing fields of modern science. As the product of a long history of cosmic matter evolution, this important branch of astrophysics is referred to as stellar-planetary cosmogony.

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 ...