
Solar System Situation

Do we live in a planetary system?

We live in an amazing planetary system. From the yawning Valles Marineris on Mars and the subsurface ocean hiding beneath the ice crust of Jupiter's moon Europa, to the eerily Earth-like terrain of Saturn's moon Titan, the solar system brims with wonders. And let's not forget the Sun, with its mysteriously hot corona and solar flares.

How do solar flares affect space weather?

These areas, often linked to solar flares and coronal mass ejections, can affect space weather, disrupting satellite communications, GPS, and power systems. For scale, Earth and Jupiter are shown at the bottom right of the image, highlighting the massive size of the Sun and its sunspots.

How many planets are in the Solar System?

Solar System Planets. Astronomy articles on the eight planets, plus the two dwarf planets, Pluto and Eris. Great pictures of everything in the solar system. Updated daily.

Why do planets have a slider control?

The reason is that the app has a slider control which changes the orbits of the planets from a diagrammatical view (i.e. all the planets in nice neat, equally separated, circular orbits) to a real view (i.e. all the planets in elliptical orbits with all the inner planets squashed in next to the Sun and the outer planets being widely spaced).

Dive into the heart of our solar system with live, near-real-time images of the Sun, captured by the GOES-19, SDO, and other ...

Learn the latest about the exploration of our neighbors in the solar system, and check out stunning pictures of Mars, asteroids, Jupiter's moons, and more.

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 ...

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Sun unleashes strongest solar flare of 2025--X5.1-class eruption from sunspot AR4274 sparks R3 radio blackouts across Africa and Europe, CME racing toward Earth.

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 ...

TheSkyLive offers comprehensive information about the most interesting celestial objects, and a set of tools designed to support the exploration ...

Online 3D simulation of the Solar System and night sky in real time - the Sun, planets, dwarf planets, comets, stars and constellations

The latest Solar System breaking news, comment, reviews and features from the experts at Solar System Coverage

Dive into the heart of our solar system with live, near-real-time images of the Sun, captured by the GOES-19, SDO, and other NOAA/NASA satellites. Stay updated on the latest ...

TheSkyLive offers comprehensive information about the most interesting celestial objects, and a set of tools designed to support the exploration and observation activities for astronomy ...

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 ...

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