

Title: Proxy solar system

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How far away is Proxima Centauri from the Solar System?

The Solar System currently moves through a cloud of interstellar medium called the Local Cloud. The closest star to the Solar System, Proxima Centauri, is 269,000 AU (4.25 ly) away. Both are within the Local Bubble, a relatively small 1,000 light-years (ly) wide region of the Milky Way.

Is the Solar System a planetary system?

The International Astronomical Union describes the Solar System as all objects that are bound by the gravity of the Sun, the Sun itself, its eight planets, and the other celestial bodies which orbit it. NASA describes the Solar System as a planetary system, including the Sun and all objects that orbit it.

Where is our Solar System located?

Our solar system is located in the Milky Way, a barred spiral galaxy with two major arms, and two minor arms. Our Sun is in a small, partial arm of the Milky Way called the Orion Arm, or Orion Spur, between the Sagittarius and Perseus arms. Our solar system orbits the center of the galaxy at about 515,000 mph (828,000 kph).

Is the Solar System surrounded by a local interstellar cloud?

The Solar System is surrounded by the Local Interstellar Cloud, although it is not clear if it is embedded in the Local Interstellar Cloud or if it lies just outside the cloud's edge. Multiple other interstellar clouds exist in the region within 300 light-years of the Sun, known as the Local Bubble.

In this paper we show how to use images of the solar photospheric magnetic field to create a multicomponent proxy for solar activity that overcomes some of the limitations of existing proxies.

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 also see ...

There are eight planets in the solar system. The four inner terrestrial planets are Mercury, Venus, Earth, and Mars, all of which consist mainly of rock. ...

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

There are eight planets in the solar system. The four inner terrestrial planets are Mercury, Venus, Earth, and Mars, all of which consist mainly of rock. The four outer planets are Jupiter, ...

Visualize orbits, relative positions and movements of the Solar System objects in an interactive 3D Solar System viewer and simulator.

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