



# Nasa jpl solar system simulator

This simulated live view of the solar system allows you to explore the planets, their moons, asteroids, comets and the spacecraft interacting with them in 3D. You can also fast-forward or rewind time, and explore the solar system as it looked from 1950 to 2050, complete with past and future NASA missions.

The Solar System Simulator is a graphical engine which will produce simulated views of any body in the solar system from any point in space. NASA JPL Home: Solar System Simulator: ... Author and Site Manager: ...

To keep in contact with the spacecraft exploring our solar system and the universe beyond, JPL operates a network of large radio antennas called the DSN. This online app will let you see what the DSN is up to right now, which antennas are in use, which spacecraft are talking to us, how quickly data is being received, and how long it takes a ...

Where did the Simulator come from? The Solar System Simulator originated as JPL's SPACE software package, which consisted of a set of computer graphics programs designed to simulate spacecraft trajectories and produce various photographic and video products.

NASA has revamped its "Eyes on the Solar System" 3D visualization tool, making interplanetary travel easier and more interactive than ever. More than two years in the making, the update delivers better controls, improved navigation, and a host of new opportunities to learn about our incredible corner of the cosmos - no spacesuit required.

Or you could save \$98,000 and go to the Solar System Simulator today. This program--which is only a small part of NASA's Jet Propulsion Laboratory's site, A Space Library--cranks out spectacular views of the solar system from whatever vantage you choose.

LANDSCAPES - pieces created with the perspective of standing on the surface of a planet or satellite, looking into the sky. ENCOUNTERS - artwork which illustrates the geometry during a spacecraft flyby of a planet or satellite.. LOGOS - official mission patches created for some of NASA's flight projects to the planets.: 3D - artwork rendered in 3D (requires the red/blue glasses).

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Solar System Simulator This is the official Mars Global Surveyor patch, and shows the spacecraft above Mars with stars in the background. A cartoon of the spacecraft trajectory can be seen leaving Earth (blue dot) and travelling around the Sun, Venus and Mercury to reach Mars.

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**Solar System Simulator** This image is rendered from the surface of Mercury, with the Mariner 10 spacecraft seen in the sky above. During the JPL open house, the public gets to stand in front of a bluescreen, be photographed with a digital camera, placed in this picture, and receive a color hard copy to take home with them.

The Solar System Simulator originated as JPL's SPACE software package, which consisted of a set of computer graphics programs designed to simulate spacecraft trajectories and produce various photographic and video products. The SPACE package was specifically designed for animating space missions and was uniquely suited to JPL mission design

The Solar System Simulator is a graphical engine which will produce simulated views of any body in the solar system from any point in space. NASA JPL Home: Solar System Simulator: This image shows Saturn, its ring structure and satellites to relative scale unless otherwise noted. ... Author and Site Manager: ...

This tool shows approximate orbits of the planets and major planetary satellites. Optionally, one or more user-selected small body (asteroids and comets) orbit may also be shown. For help using this tool, select the Help item under the menu icon (below).; To display planetary satellites of a specific planet, select the Settings item under the menu icon (below), then select the Moons ...

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