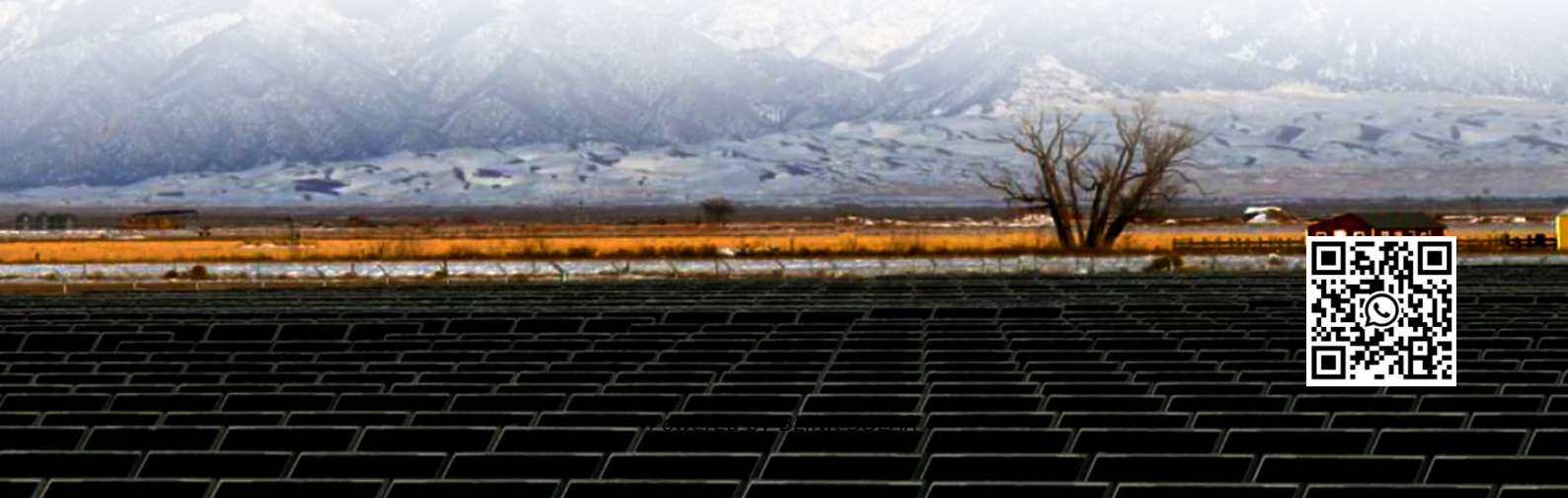
SOLAR PRO.

BLINK SOLAR

Sophia Solar System



Overview

What did astronomers study on SOFIA?

SOFIA, the Stratospheric Observatory for Infrared Astronomy, was designed to observe the infrared universe. Astronomers on SOFIA studied eclipse-like events of Pluto, Saturn’s moon Titan, and Kuiper Belt Object MU69 to study the objects’ atmospheres and surroundings.

How does SOFIA's telescope work?

SOFIA's telescope operates using various instruments such as cameras, spectrometers, and polarimeters in the near-, mid-, and far-infrared wavelengths, each suited to studying different phenomena.

How does SOFIA function?

SOFIA, the Stratospheric Observatory for Infrared Astronomy, works by observing the infrared universe. Many celestial objects emit most of their energy at infrared wavelengths, making them invisible to visible light. Additionally, infrared energy can penetrate through gas and dust clouds that block visible light.

What is SOFIA?

SOFIA is a modified Boeing 747SP aircraft equipped with a telescope. It is a highly mobile observatory that allows researchers to observe from almost anywhere in the world, enabling studies of transient events over oceans where there are no telescopes.

Sophia Solar System

Max Planck Institute for Solar System Research

Science objectives SOFIA will be used to study many different kinds of astronomical objects and phenomena, but some of the most interesting are: Star birth and ...

News , SOFIA , Missions , Astrobiology

SOFIA is making observations of new solar systems, complex molecules in space, and planets in our own Solar System.

SOFIA Stories

Experts will discuss new research from NASA missions at the 241st meeting of the American Astronomical Society (AAS), on topics ranging from the universe's early galaxies to ...

The Solar System Tutorial , Sophia Learning

The solar system consists of planets and other bodies that orbit the Sun in predictable paths. As a basis for understanding this concept: b. Students know the solar system includes the planet ...

Solar System Science with the Stratopsheric Observatory ...

Now in its seventh cycle of observations, the wide instru- ment suite onboard the Stratospheric Observatory for Infrared Astronomy (SOFIA) has continued to offer a unique ...

SOFIA Stories

Experts will discuss new research from NASA missions at the 241st meeting of the American Astronomical Society (AAS), on topics ...

Top Ten Discoveries from SOFIA , News

The planetary system around the star Epsilon Eridani, or eps Eri for short, is the

closest planetary system around a star similar to the ...

The Solar System Tutorial , Sophia Learning

The Solar System! How many planets are in the solar system? How did it form in the Milky Way galaxy? Learn facts about the solar system's genesis, plus its planets, moons, and asteroids.

SOFIA

The Flying Observatory SOFIA, the Stratospheric Observatory for Infrared Astronomy, was a Boeing 747SP aircraft modified to carry a 2.7-meter (106-inch) reflecting ...

SOFIA Solar System Legacy

I will present highlights of SOFIA studies of Solar System objects, including observations of water in the lunar south

pole region, measurements of the D/H ratio in water in the atmosphere of ...

Top Ten Discoveries from SOFIA , News , Astrobiology

The planetary system around the star Epsilon Eridani, or eps Eri for short, is the closest planetary system around a star similar to the early Sun. SOFIA studied the infrared ...

Stratospheric Observatory for Infrared Astronomy (SOFIA)

Allowing astronomers to study the solar system and beyond from 38,000-40,000 feet altitude LEARN MORE:

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