

Detecting the tremors of the 'twin brothers' of the solar system, the key to deciphering early life

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1. NASA announces a place that can survive life right in our solar system
2. Maybe the 2.0 solar system is not the "cradle to nurture life" as NASA hopes
3. It takes hundreds of thousands of years for light to travel from the center of the Sun to Earth?

Eri Eps is located at the Southern hemisphere of the Eridanus constellation, 10.5 light-years from the solar system. This is also the closest solar system to the present time.



Eri Eps is only one-fifth the age of the Sun, so studying it will help scientists look back on the early solar system.

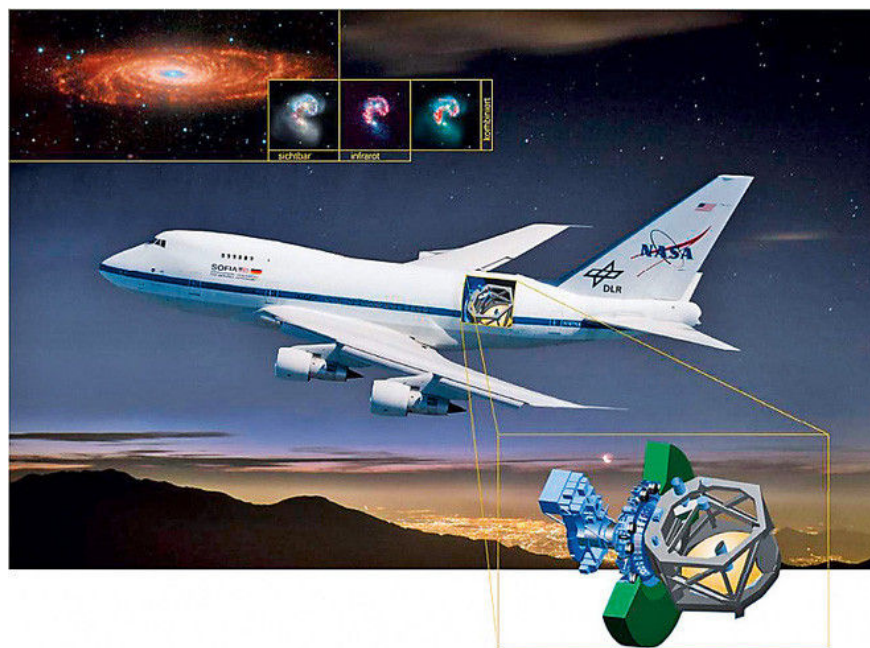
Using the infrared astronomical observatory (SOFIA), the scientists observed that Eri Eps has a disk of debris disk including gas, dust, icy objects and pulsed small rocks. around.

Eri Eps has the same mass as Jupiter, even turning around its star at the same distance as Jupiter and our Sun, about 778.5 million kilometers.

As observed by scientists, the Eps Eri planet system is taking place the early solar system-like geological events, when the Moon forms most of the craters, when Earth's ocean is present. water and life gradually formed.

According to Dr. Massimo Marengo of Iowa State University, USA: *"The discovery of Eri Eps system is very important in determining the development of the Solar System."*

Scientists hope, when NASA's 6.5-meter James Webb space telescope is expected to be launched into space in October 2018 into operation, they will get the panorama of the system. The early sun.



Infrared astronomical stratum observation device (SOFIA).(Photo: NASA.)

The Infrared Astronomical Floor Observatory (SOFIA) is a wide-area Boeing 747SP that carries an 17-ton infrared telescope that can capture detailed images of stars at about away. SOFIA is a project jointly implemented by NASA and the German Aerospace Center (DLR), which is responsible for studying the formation of the universe, stars, black holes, comets, planetary systems . SOFIA is usually parked at NASA's Dryden facility in Palmdale, California.

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