

# The mystery of the numbers of Proxima b: The 'Second Earth' on the planet may exist life

Here are the mysterious numbers of strange planets - Proxima b has just recently been found.

"Second Earth" - **Proxima b** is like another planet orbiting a star called **Proxima Centauri** or **Near- planet** - located near the most solar system about 4.2 light-years away - determined by astronomers from **the European Southern Observatory (ESO)** .

The image below was taken from **the Southern European Observatory of La Silla** Observatory in Chile, the right bottom image is **Proxima Centauri** - the star closest to the Solar System, surrounded by the planet **Proxima b**, and the lower image on the left is a pair of stars called **Alpha Centauri A and B**.



A photo was taken from the La Silla Observatory of the Observatory in the European Hemisphere in Chile. The bottom right image is Proxima Centauri - the star closest to the Solar System, surrounded by Proxima b, and the

left one is called Alpha Centauri A and B.

The newly discovered planet is temporarily called **Proxima b**, located in the habitable area of **Proxima Centauri** and is believed to have a suitable surface temperature so that water can survive in liquid form. That means this "planet"-like Earth outside the solar system is capable of survival.

Evidence of **Proxima b** was found using the ESO telescope at La Silla Observatory in Chile as well as other telescopes around the world. Here are the "mysterious" "planet" numbers recently discovered:

**4.85 billion** : Age of Proxima Centauri. Like evidence, the Sun 4.6 billion years old - was found.

**7,000,000**: The distance Proxima b orbits the Proxima Centauri star is measured in kilometers ( *kilometers* ). Although the distance of Proxima b orbits is much closer to the Earth's distance around the Sun, **Proxima Centauri** - is a red dwarf, meaning it is smaller and cooler than the Sun. However, there is still the possibility that Proxima b is affected by any shining star from Proxima Centauri.

**4.37 light years** : Distance from the Sun to the binary Alpha Centauri star system. Alpha Centauri A itself is the brightest fourth star in the sky.



The distance from the Sun to the binary Alpha Centauri star system.

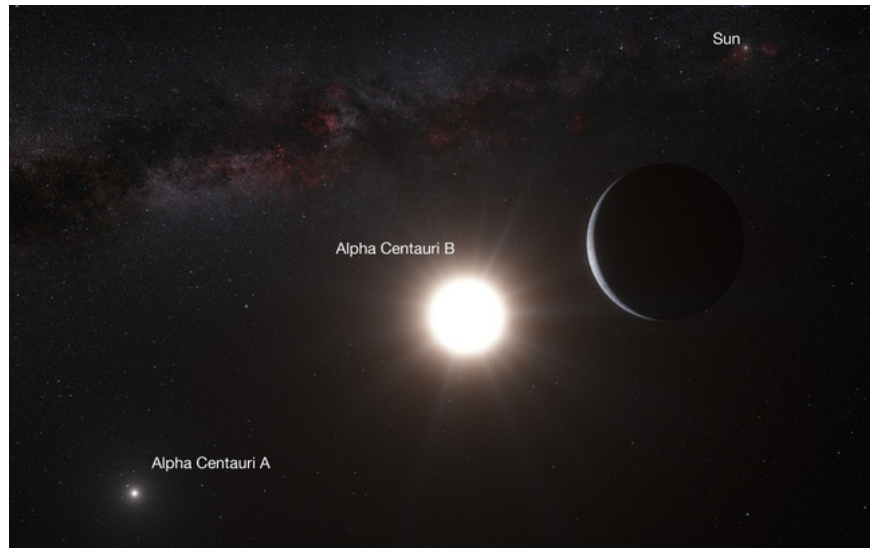
**4.22 light years** : Distance from the sun of the Earth to Proxima Centauri. Subtly located in the constellation Centaurus, including Alpha Centauri star systems. Just over 4 light-years away from Earth, Near-Earth is the closest star to our Sun.

**165,000**: Approximate years for it to reach the binary Alpha Centauri star system by shuttle. Because the distance from Earth to the Alpha Centaur system is about 4.33 light years, it is closer to move to Proxima.

**3,200**: Approximate number of other planets that scientists have discovered since 1992, when the first planet outside the solar system was discovered. NASA's Kepler Space Telescope plays an important role in finding these inventions.

**86** : The F ( *Fahrenheit* ) temperature of the Proxima b surface is achieved if researchers can determine whether there is air in there. According to news from the press conference held on August 23, if a planet lacks air, the surface temperature may be as low as 40 degrees. C ( *negative 40 degrees F* ). Conversely, if the planet has an

insulating atmosphere, the temperature will reach 30 degrees C ( 80 degrees F ), warm enough to keep liquid water on the surface.



Distance from Alpha Centauri A and Alpha Centauri B to Subtle

**3:** Number of stars in Alpha Centauri system. In addition to Proxima Centauri, there are Alpha Centauri A and B forming a pair of binary stars.

**1.3 :** The weight of the planet " *strange* " Proxima b compared to Earth. This newly discovered planet is very similar in size to Earth, only slightly larger.

**0.24 light years :** Distance from Alpha Centauri A and Alpha Centauri B to Subtle. With this distance, some astronomers have asked, " *Will Proxima Centauri be considered part of the same star system?*"

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