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"EXPLORING PROXIMA CENTAURI B"

Abstract

Why "Proxima Centauri B"?

"Proxima Centauri B" is proven to be the most earth like planet. It would be an advantage if astronauts would go to inspect such a planet and discover astonishing things. Some astronomers stated that there could be life on "Proxima Centauri B" or even a habitat. Could it even lead to the beginning of a totally different world and a new life?

More About "Proxima Centauri B"

"Proxima Centauri b" is an exoplanet orbiting within the habitable zone of the red dwarf star "Proxima Centauri" (the closest star to the Sun). It is located about 4.2 light-years from Earth in the constellation of Centaurus, making it the closest known exoplanet to the Solar System. The planet is subject to stellar wind pressures of more than 2,000 times those experienced by Earth from the solar wind. In August 2016, the European Southern Observatory announced the discovery of "Proxima Centauri b". Researchers think that its proximity to Earth offers an opportunity for robotic exploration of the planet with the Star shot project.

How Did "Proxima Centauri B" Form?

It seems implausible that Proxima Centauri b originally formed in its current orbit since disk models for small stars like Proxima Centauri would contain less than one M of matter within the central one AU at the time of their formation. This implies that Proxima Centauri b was either formed elsewhere in a way still to be determined or that the current disk models for stellar formation have to be revised.