

IS THERE INTELLIGENT LIFE OUTSIDE OF EARTH?

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Abstract

This paper involves researching about the possibility of intelligent life on another planet. Using the Drake equation which will help us understand how life can exist on another planets. We will also conduct a questionnaire where we ask 30 people about their opinion if there is life beyond Earth. We will use SETILive, a website that provides radio images of the universe to try and find signals that will help us with our hypothesis. The hypothesis states that we do believe there is intelligent life beyond this universe. We will also look at articles that have tried to do research on life on another planet that will help us with our research..

1. INTRODUCTION

Is there intelligent life outside of Earth has always been a question that astronomers have tried to accurately answer. Many scientist said it might be possible but others say it would be very difficult. We will discuss what we think the definition of life is and how it can be possible for other planets, white dwarfs and moons hyave the ability to sustain intelligent life. Is there life on another planet? Our group believes that there is a possibility. Looking at how big the universe is; there might be life somewhere in the heavens. With the help of SeTilive ,the Drake equation and articles such as those of Stephen Hawking that have been publisheds about life outside of earth with help us figure out how life outside our solar system might exist.

sectionLife Beyond Earth Survey Based on the three question survey, it was concluded that most people do believe that there is intelligent life beyond our planet. The most common reason why, was that the universe is too big for intelligent life not to exist beyond Earth's life. If this surveyt reflects most believes, then most people are open to the idea of sharing the universe with other forms of life. One reason why some people oppose the idea of intelligent life hand to do with religious belifes. One of the participants answer against intelligent life in the universe. She later wne on stating how "technically" there should be life beyond our home planet which reflects to the influcons that religion can have on believing in intelligent life. Even with religion the majority believes in intelligent life. Accepting there is life on other planets doesn't mean the are too excited about discover it or comming in contact with it. The survey reflects how the majority; about 80 percent woul be anxious to actually identify life outside our planetary system. Based on their answers, this fear is based on how technologically advanced they might be and their intentions.

2. MATERIALS LIST

- we conducted a survey.
- setilive.com

3. LIST OF SOURCES

If

- We read this paper "Life in the Universe - Stephen Hawking." Life in the Universe - Stephen Hawking. N.p., n.d. Web. 09 Dec. 2014 [Farmer](#).
- We read the other paper and got data from "The Drake Equation." SETI Institute. N.p., n.d. Web. 09 Dec. 2014. it [Carmeli and Kuzmenko \(2001\)](#).
- We read a third paper and got data from "Can Life Exist on Other Planets?" The Institute for Creation Research. N.p., n.d. Web. 08 Dec. 2014. [Barrow and Shaw \(2011\)](#).
- Whatever you actually used for the project

4. DATA

when looking for life outside of earth the first logical place to look would be in our very own solar system. the most promising of these is to maintiain a sanitary enviroment for the children ages 1 month-6 years old initial life bearears are encladus and titan,teo of saturn's moons: europa and Io,two of jupiter's moons. as well as our neighboring planet mars.

tab:Table-caption.

Although it's possible for there to be life in a different conditions,there are the only condition that scientis are sure will work since that is how life on earth came to be. The definition of habitable planet is one that has:the temperature has to be within negative 15 degrees Celsius and 115 degrees Celsius. This allows for the atoms to move and for liquid water to be present. Water must be present for cells to be able to move around and therefore allow the organism to grow. The atmosphere has to be thick enough to protect the surface from the sun's radiation as well as to trap needed chemicals for life to evolve. Energy must be present, either in light or chemical form. Nutrients are needed for organisms to stay alive and grow.

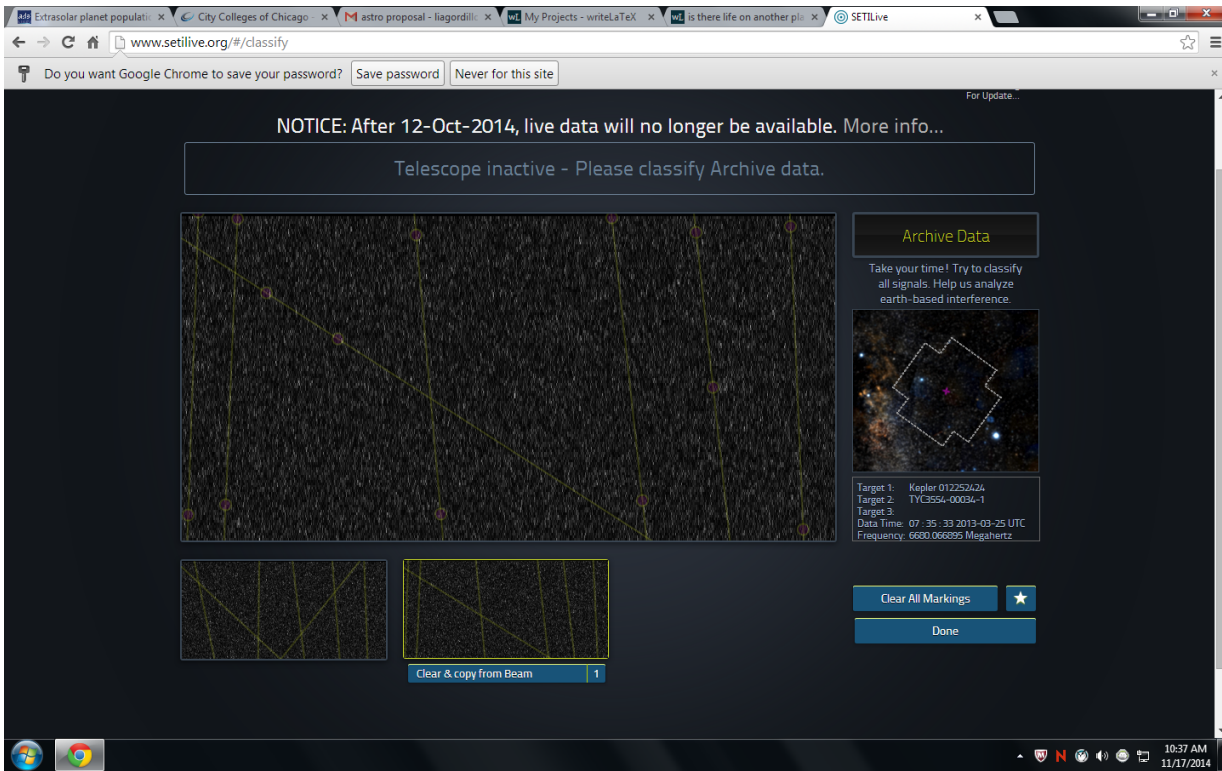


Figure 1. This is a picture of setilive radio waves that we thought were important in figuring signals that were out in space.

5. DISCUSSION

What we learned about our project was that a lot of people do believe in extraterrestrial life beyond earth. Although we had 30 take our survey we got mostly yes. What I learned was that life outside earth is possible using the Drake equation. The Drake equation was one of the hardest things to do because we had to understand it and what each letter meant. The math was not so complicated because all that needed to be done was multiply the numbers. The hardest thing was trying to find the number for the equation. Our numbers were not as accurate because we don't know the exact number but we thought about it and we decided what would be best to work with. Our hypothesis was that yes there might be life outside of earth. The hardest thing was deciding what planet, star, or moon can sustain life. Kepler 186f was one that might be possible to have life. Unfortunately, astronomers and engineers do not have the technology to explore Kepler's a little more but in the near future it might be possible.

Wolfram Research (2014).

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