

Explaining Two Major Jet Propulsion Lab Mysteries Concerning Planet Formation and Star Evolution

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Abstract: Two major mysteries are still prevalent according to scientists at Jet Propulsion Laboratories. The first mystery is how micron sized dust particles can clump together into kilometer sized planetesimals. The second mystery is why the oxygen-16 is higher in abundance and nitrogen-15 is in lower comparable abundance in solar wind measurements. In short, the extent and origin of isotopic variations in all samples of solar system objects can be attributable to one factor, which can also explain how micron sized objects become 1 kilometer sized ones during planet formation. Both mysteries are solved with one simple realization, or "aha!" moment.

The giant echo chamber of Jet Propulsion Laboratories (JPL) has the solar system being a singular object. This means all the objects in the solar system all came from the same material as the Sun, a single nebula forming multiple objects. If this were true, then there would be no isotopic variations of any elements, as the material would have all been completely mixed. The relative isotope abundances of the Earth should have matched the Sun, unfortunately this is not what was observed/measured. The comparative abundances of oxygen-16 to oxygen-17, and 18 should have been almost exactly the same in material coming out of the solar wind as found on the Earth, since decay rates for isotopes are the same, regardless of where they are found. What was found is that the nitrogen isotopes and oxygen isotope abundances are measurably different. The solar wind had too much relative oxygen-16, and too much relative nitrogen 14. To explain this in simple terms, imagine Earth has a bag of 100 M&M's and the Sun has a bag of 100 M&M's. It was expected that there would be 20 green M&M's and 80 red M&M's in the solar wind, because that is the ratio found in Earth's bag. Instead, they found 10 green M&M's and 90 red M&M's in the Sun's bag. Not only did they find 10 green and 90 red M&M's in the Sun's bag, but they took samples of thousands of bags, and found that this ratio was solid and not a statistical error. If they all came from the same mixing machine (the same nebula) then both the Sun's and the Earth's bags should both match 20 green and 80 red per bag. Since they do not match, then it is clear that there were two completely different machines sorting the bags. One was sorting the relative abundances found on Earth, a completely different one was sorting out the Sun's. The metaphor means that Earth was born not of the same material

as the Sun, it is a completely mutually exclusive object, a stand alone structure. It should be therefore accepted as more reasonable that the solar system is NOT a singular structure, but comprised of structures that are NOT related to the Sun. This leads us to the next very important point. How to make micron sized dust clump into kilometer sized rocks.

The star clumps together material in its center. It can pull together material in all size ranges, from micron sized dust, to huge asteroids and small moons. As the star cools and dies, losing its atmosphere, that clumped together centralized material stays and we call those giant clumps that a single star makes, "planets/moons". The truth is that we have multiple stars in various stages of their evolution, which both explains their different isotopic abundances and how matter can clump together in outerspace from 1 micron sized dust to 1 kilometer sized rocks. Planet formation happens inside a single star, as 1 star makes 1 planet. Put in even more advanced terms, planet formation is stellar evolution. It is no wonder why the Earth is billions of years old, it has completed the vast majority of its evolutionary sequence and is a black dwarf star.

Archived webpage showing that they do not know that planet formation is stellar evolution:

<http://archive.is/1uv8K>

JPL gets \$1.5 billion per year, yet they don't even know what they are standing on or what the Sun is or any of the stars in the night sky. Let this be a lesson for the reader.

All the money in the world cannot buy good reason and judgment. Do not deny the gifts Mother Nature has handed you freely in exchange for cash, because that will cloud your judgment and chain you to the walls of irrationality and fear. JPL's scientists have let their minds become prisons. Free your mind.

