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# *Frames*

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Phaethon & The Anunnaki Calculation

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Archeological Renaissance: Part IV

# Archeological Renaissance

Part I: Ants

Part II: Pivots

Part III: Projections

Part IV: Frames

## Summary

Archeological Renaissance is a four (**4**) part series that explores the details of recent archeological/scientific discoveries. These discoveries are groundbreaking and will change both human history and science as we know it. Some of these discoveries include:

1. Mathematical proof of the **existence of Atlantis** and that its layout is a **model of the solar system**.
2. Mathematical proof that **Plato knew the precise orbits of the planets in the solar system**.
3. Mathematical evidence that the **poles have shifted several times**.
4. Physical proof of the "ruins" of **Atlantis** with measurements **verified mathematically**.
5. Evidence that human civilization is at least **40,000 years older than the currently accepted timeline**.
6. Evidence of other "mythical" locations such as **Hyperborea, Hy-Brasil, and Aztlan**.

# Archeological Renaissance

Part I: Ants

Part II: Pivots

Part III: Projections

Part IV: Frames

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# Archeological Renaissance

Part I: Ants

Part II: Pivots

Part III: Projections

Part IV: Frames

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For Elaina, Collin, and Arianna:

*This lost world I've found; I rebuild for you.*

-Dad

# Section I:

## The Descent of Phaethon

The following section examines the myth of Phaethon and how its details relate to possible cataclysms on Earth and throughout the solar system. The section also examines the science of calculating the age of (dating) organic material, known as radiocarbon dating.

# The Descent of Phaethon

## The Mythology of Phaethon

Phaethon was the son of the Oceanid Clymene and the sun god Helios in Greek mythology. His name was also used by the Ancient Greeks as an alternative name for the planet Jupiter, the motions and cycles of which were personified in poetry and myth.

Phaethon, out of desire to have his parentage confirmed, travels to the sun-god's palace in the east. There he is recognized by his father and asks him for the privilege to **drive his chariot for a single day**.

Despite Helios' fervent warnings and attempts to talk him out of it, counting the numerous dangers he would face in his celestial journey and reminding Phaethon that **only he can control the horses**, the boy is not dissuaded and does not change his mind.



# The Descent of Phaethon

## The Mythology of Phaethon

He is then allowed to take the chariot's reins; his ride is disastrous, as he cannot keep a firm grip on the horses. As a result, **he drives the chariot too close to the earth, burning it, and too far from it, freezing it.**

In the end, after many complaints, from the stars in the sky to the Earth itself, Zeus strikes Phaethon with **one of his lightning bolts**, killing him instantly. His dead body falls into the river Eridanus, and his sisters the Heliades are turned to black poplar trees as they mourn him.



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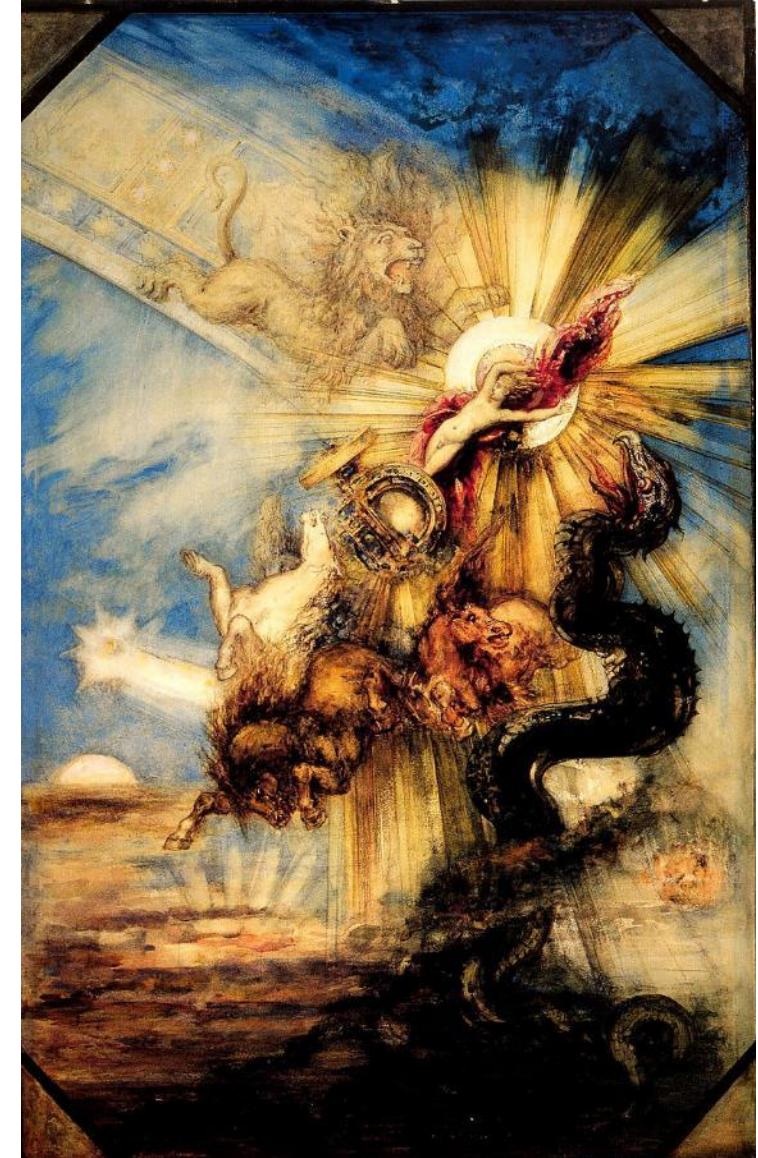
# The Descent of Phaethon

## Plato's Story of Phaethon

In Plato's Timaeus, Critias tells the story of Atlantis as recounted to Solon by an Egyptian priest, who prefaced the story by saying:

“There have been, and will be again, many destructions of mankind arising out of many causes; the greatest have been brought about by the agencies of fire and water, and other lesser ones by innumerable other causes. There is a story that even you [Greeks] have preserved, that once upon a time, Phaethon, the son of Helios, having yoked the steeds in his father's chariot, because he was not able to drive them in the path of his father, burnt up all that was upon the earth, and was himself destroyed by a thunderbolt.

Now, this has the form of a myth, but really signifies a declination of the bodies moving in the heavens around the earth, and a great conflagration of things upon the earth, which recurs after long intervals”



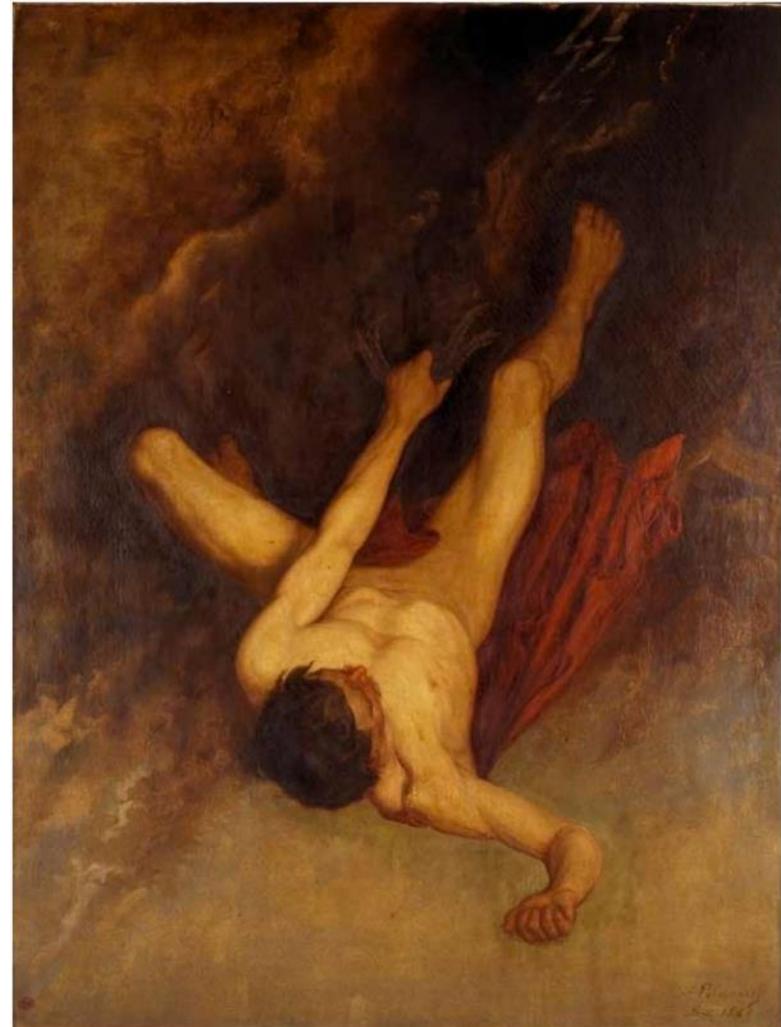
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# The Descent of Phaethon

## Plato's Story of Phaethon

Plato is explaining that the story of Phaethon, while obviously in the form of a myth, is based in truth.

And that an event occurred that was not only responsible for the “declination of the bodies moving in the heavens” (i.e., planets, moons, etc.) but also responsible for reoccurring cataclysms on the Earth.



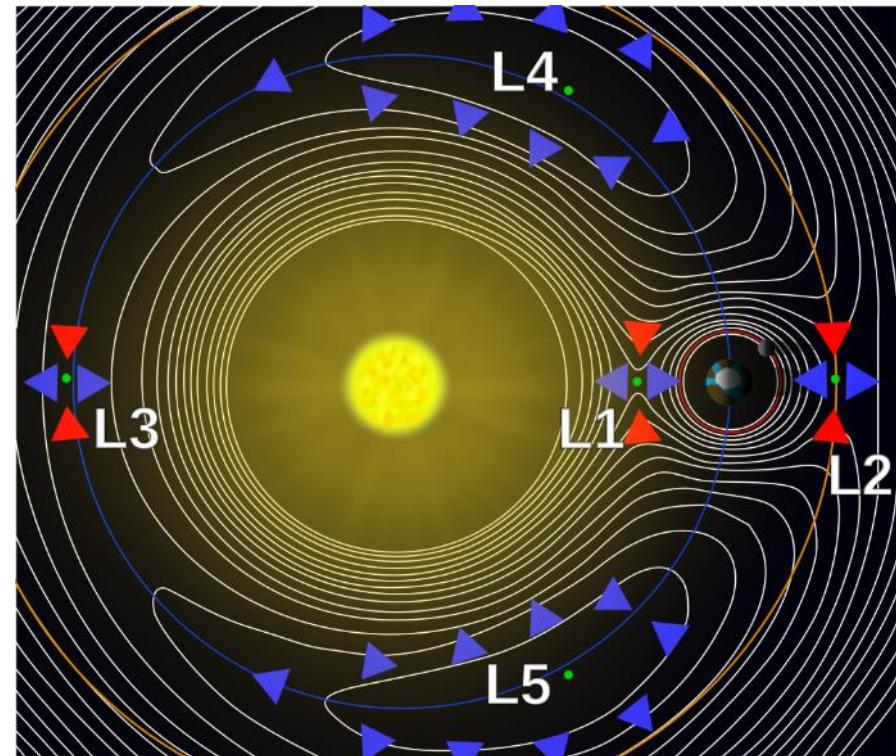
# The Descent of Phaethon

## Lagrange Points

In celestial mechanics, the Lagrange points are points of equilibrium for small-mass objects under the influence of two massive orbiting bodies. Mathematically, this involves the solution of the restricted three-body problem in which two bodies are very much more massive than the third.

Normally, the two massive bodies exert an unbalanced gravitational force at a point altering the orbit of whatever is at that point. At the Lagrange points, the gravitational forces of the two large bodies and the centrifugal force balance each other.

This can make Lagrange points an excellent location for **satellites**, as few orbit corrections are needed to maintain the desired orbit. Small objects placed in orbit at Lagrange points are in **equilibrium in at least two directions** relative to the center of mass of the large bodies.



Lagrange Points **L1 – L5**

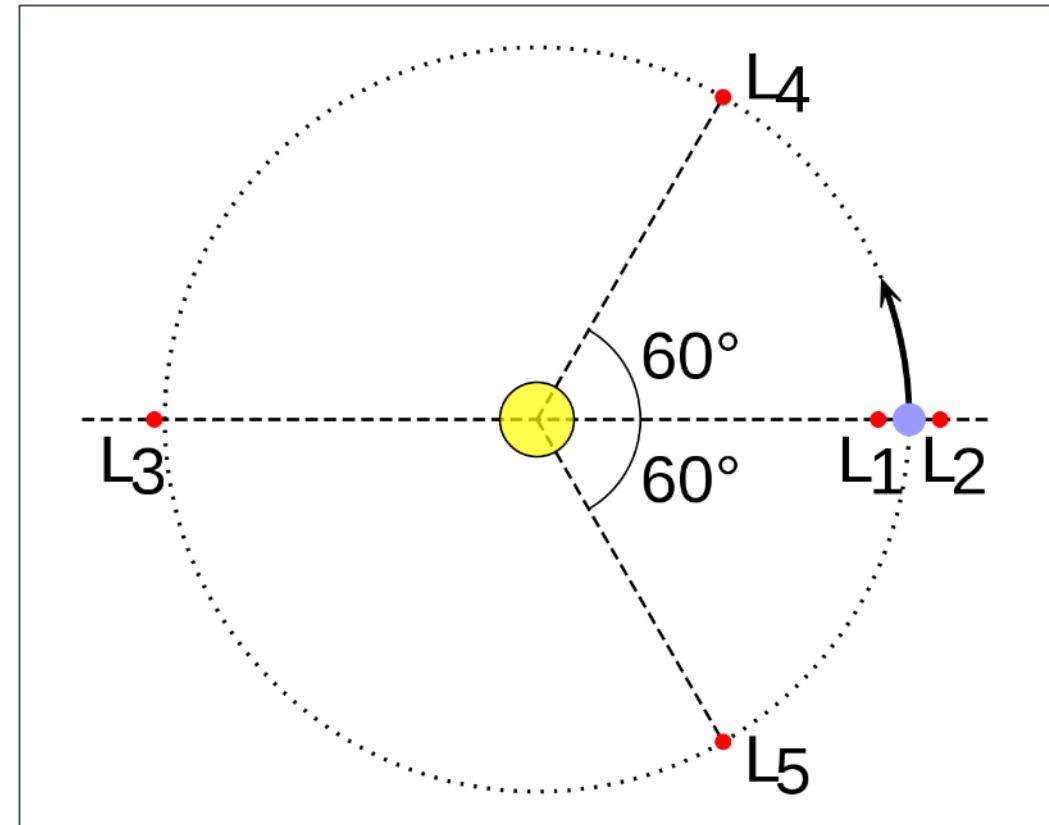
# The Descent of Phaethon

## Co-Orbital Configuration

In astronomy, a co-orbital configuration is a configuration of two or more astronomical objects (such as asteroids, moons, or planets) orbiting at the same, or very similar, distance from their primary.

There are several classes of co-orbital objects, depending on their point of libration.

The most common and best-known class is the trojan, which librates around one of the two stable Lagrangian points (Trojan points), **L4** and **L5**,  $60^\circ$  ahead of and behind the larger body, respectively..



Trojans (Lagrange Points **L4** & **L5**)

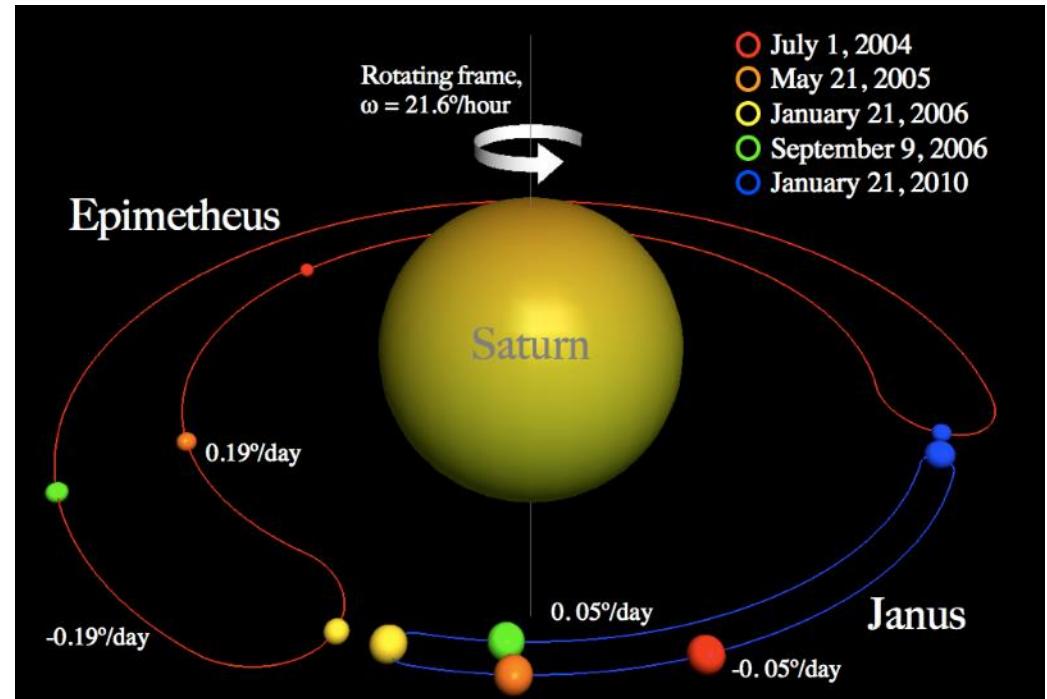
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# The Descent of Phaethon

## Co-Orbital Configuration

Another class is the **horseshoe** orbit, in which objects librate around  $180^\circ$  from the larger body. Objects librating around  $0^\circ$  are called quasi-satellites.

An **exchange orbit** occurs when two co-orbital objects are of similar masses and thus exert a non-negligible influence on each other. The objects can **exchange semi-major axis or eccentricities** when they approach each other.



Co-orbital Moons

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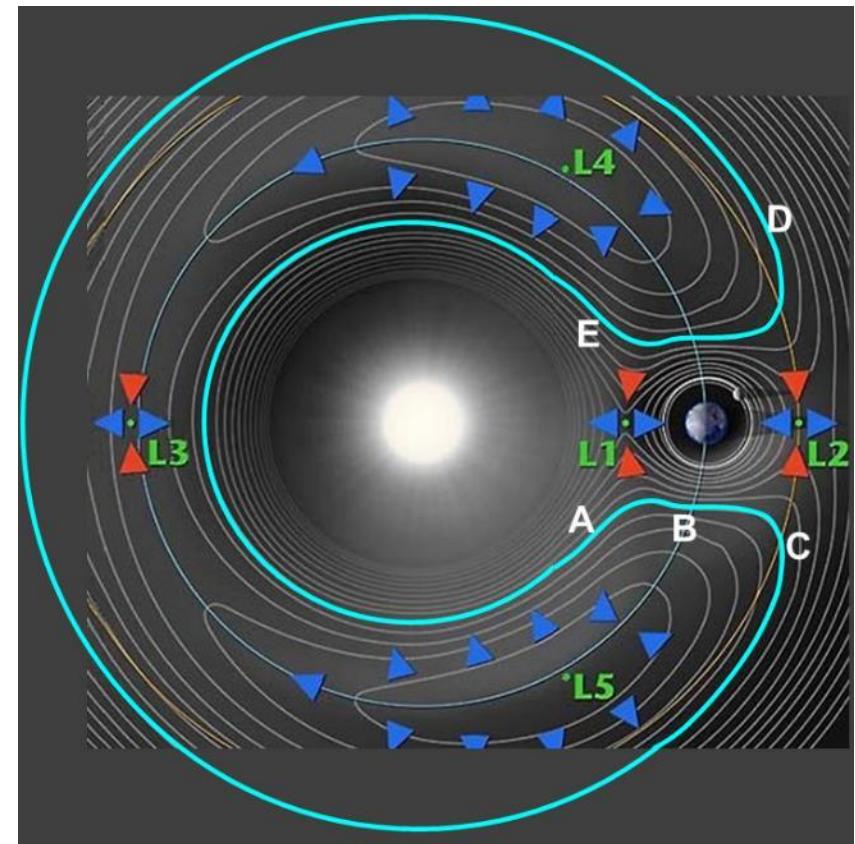
# The Descent of Phaethon

## The Horseshoe Orbit

In celestial mechanics, a horseshoe orbit is a type of co-orbital motion of a small orbiting body relative to a larger orbiting body. The osculating (instantaneous) orbital period of the smaller body remains very near that of the larger body, and if its orbit is a little more eccentric than that of the larger body, during every period it appears to trace an ellipse around a point on the larger object's orbit.

However, the loop is not closed but drifts **forward or backward** so that the point it circles will appear to move smoothly along the larger body's orbit over a **long period of time**. When the object approaches the larger body closely at either end of its trajectory, its apparent direction changes.

Over an entire cycle the center traces the outline of a horseshoe, with the larger body between the “horns”.



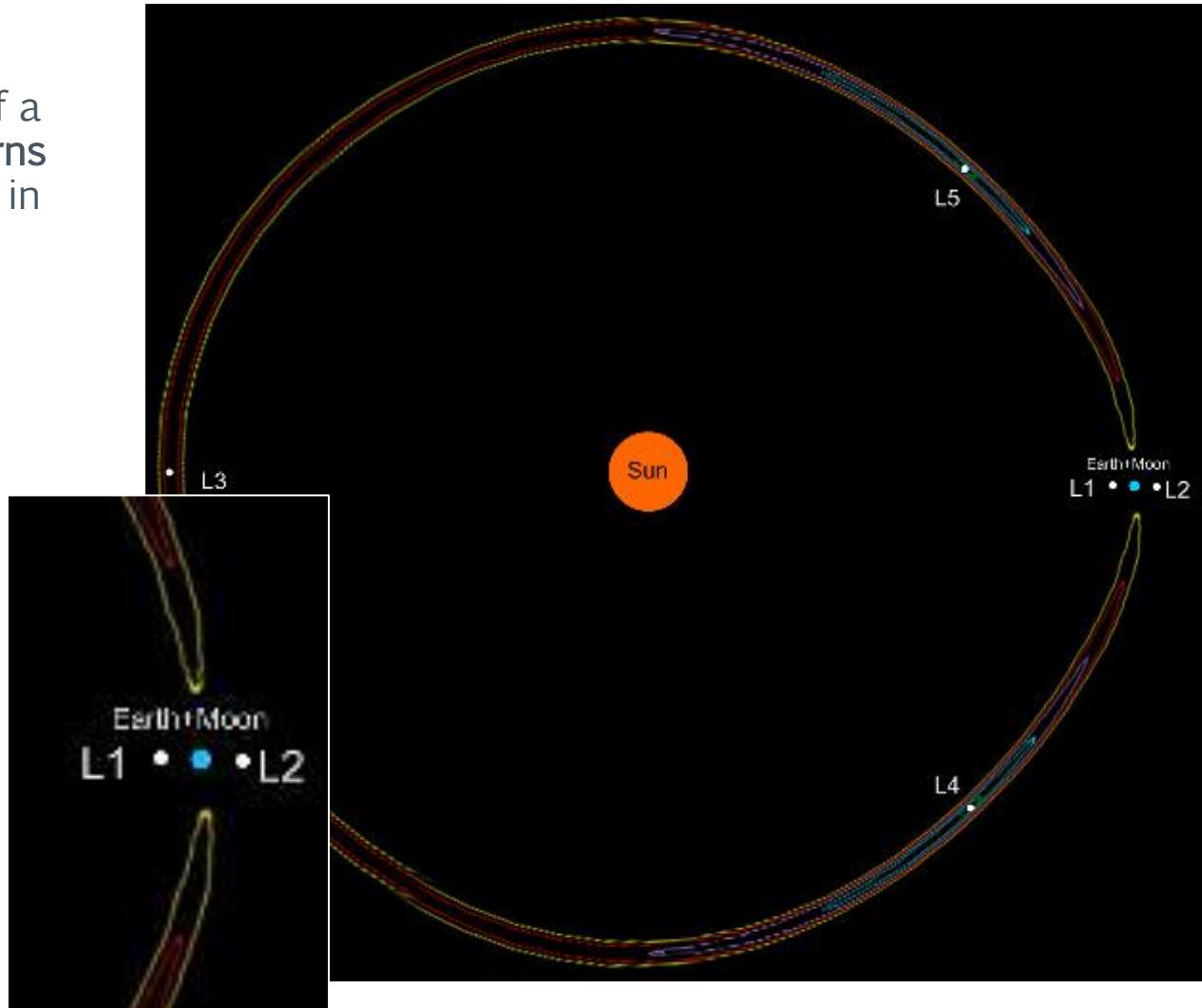
Horseshoe Orbit

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# The Descent of Phaethon

## The Horseshoe Orbit

The images to the right show the shape of a “thin” horseshoe orbit. Note the sharp turns (or “horns”) that denote a relative change in orbital direction.

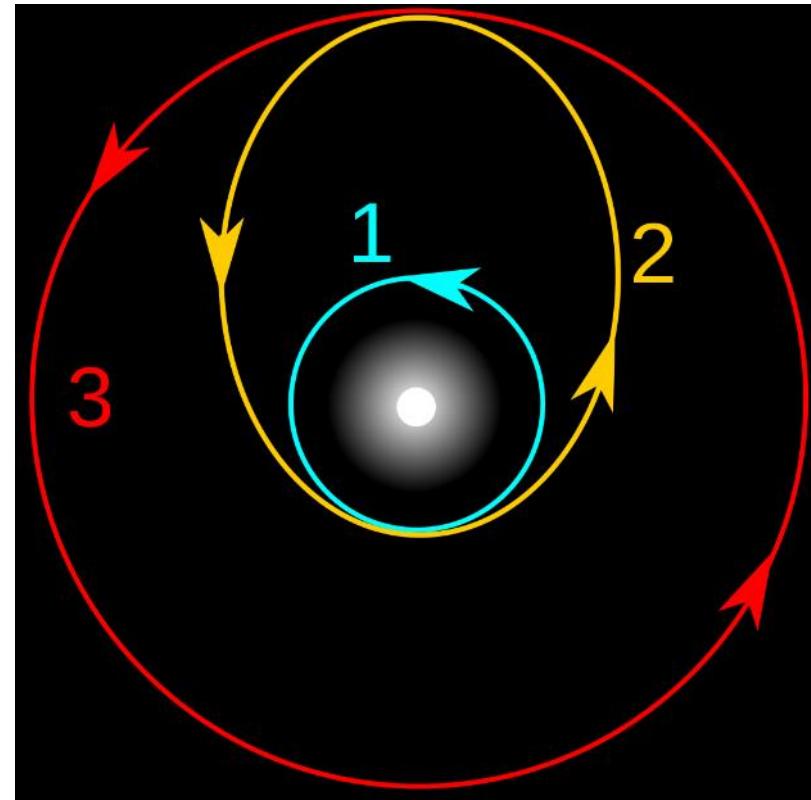


# The Descent of Phaethon

## Transfer Orbit

In orbital mechanics, a transfer orbit is an intermediate elliptical orbit that is used to move a spacecraft from one circular, or largely circular, orbit to another.

Two types of transfer orbits are the Hohmann and the bi-elliptic.



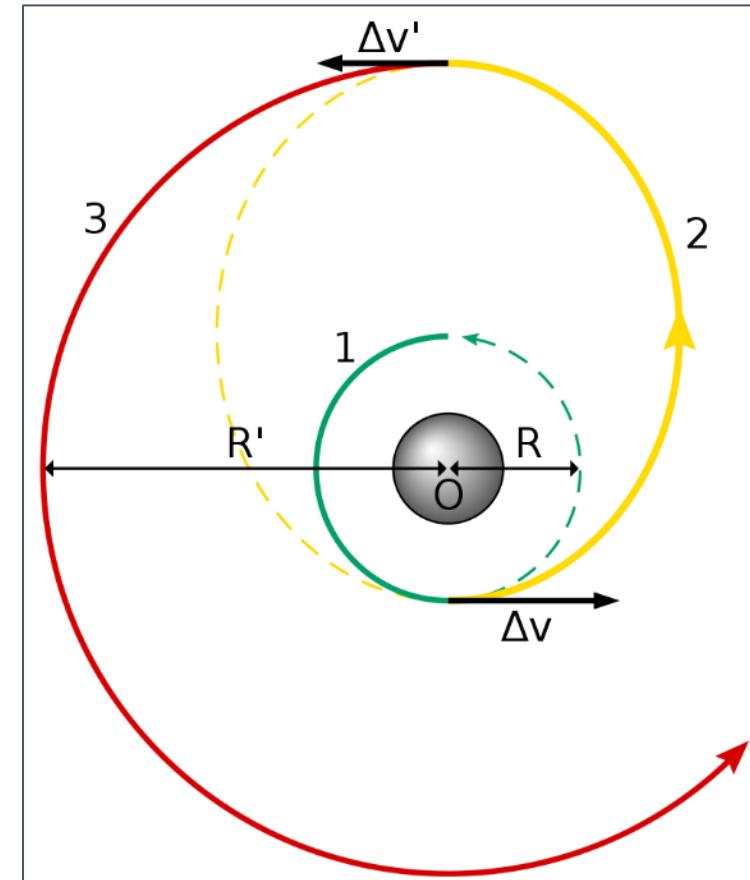
Hohmann Transfer Orbit

# The Descent of Phaethon

## Hohmann Transfer Orbit

The Hohmann transfer orbit is an elliptical orbit used to transfer between two circular orbits of different radii around a central body in the same plane.

The Hohmann transfer often uses the lowest possible amount of energy in traveling between these orbits, but bi-elliptic transfers can use less in some cases.



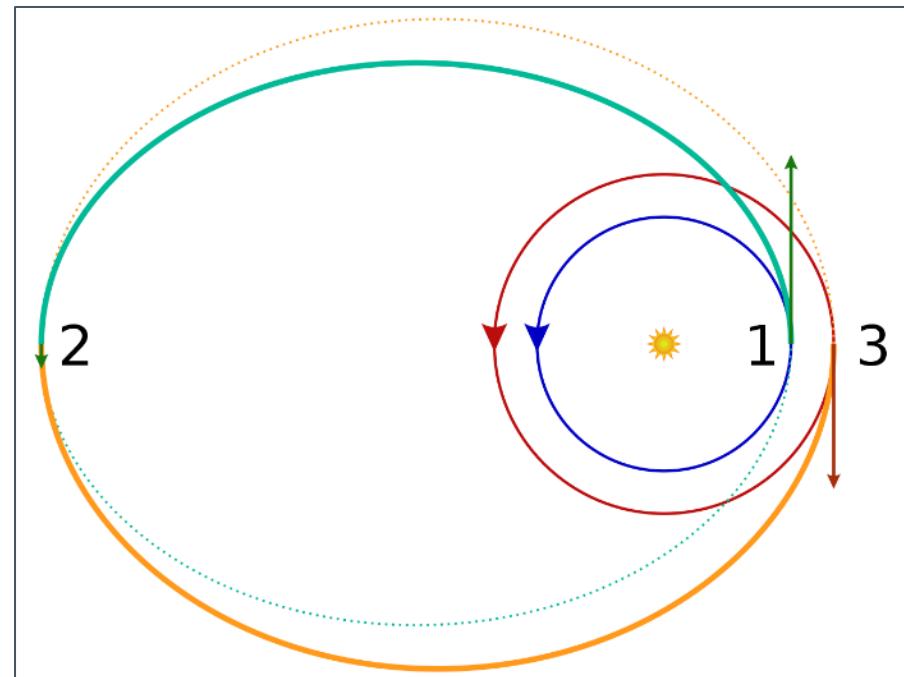
# The Descent of Phaethon

## Bi-Elliptic Transfer Orbit

The bi-elliptic transfer is an orbital maneuver that moves an object from one orbit to another and may, in certain situations, require less delta-v than a Hohmann transfer maneuver.

The bi-elliptic transfer consists of two half-elliptic orbits. From the initial orbit, a first burn expends delta-v to boost the object into the first transfer orbit with an apoapsis at some point away from the central body.

At this point a second burn sends the object into the second elliptical orbit with periapsis at the radius of the final desired orbit, where a third burn is performed, injecting the object into the desired orbit.

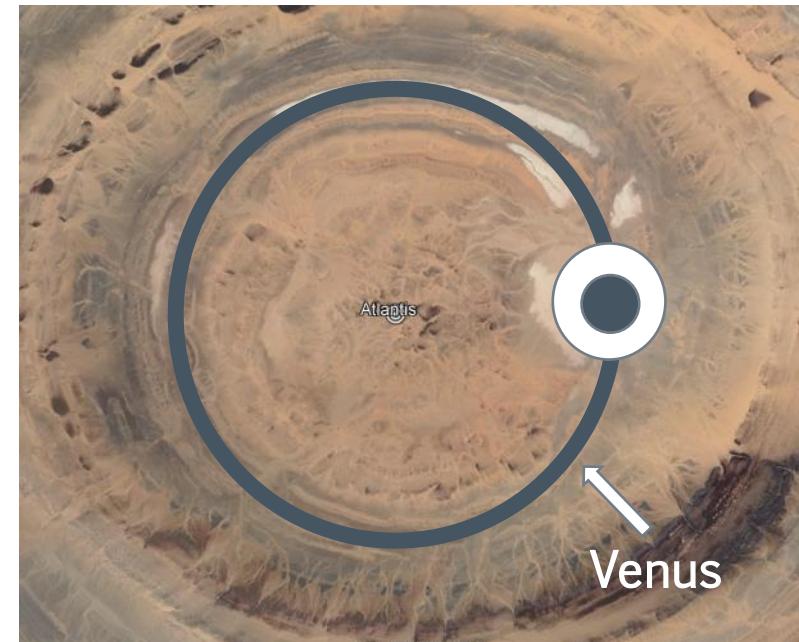
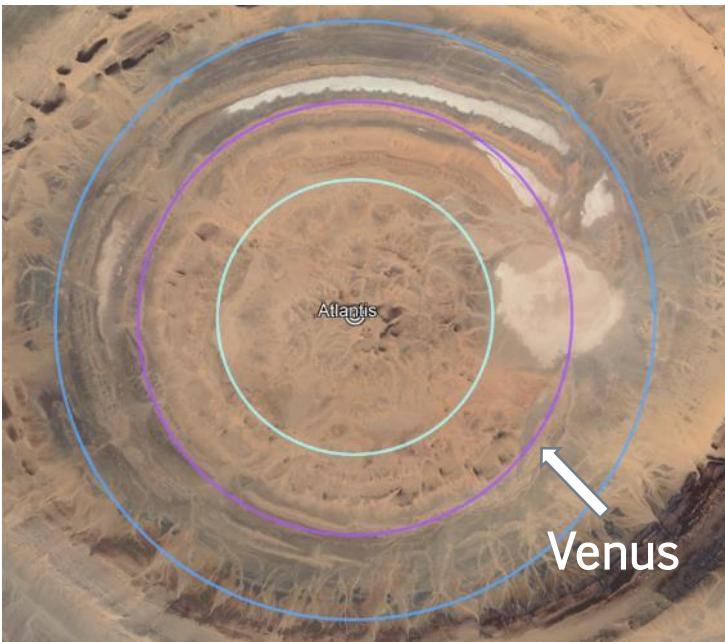


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# The Descent of Phaethon

## The Horseshoe Orbit: Venus

The images below show orbital projection of Venus (purple). Note the virtual “model” of the horseshoe orbit created by the orbital path of Venus and the layout of the underlying structure.



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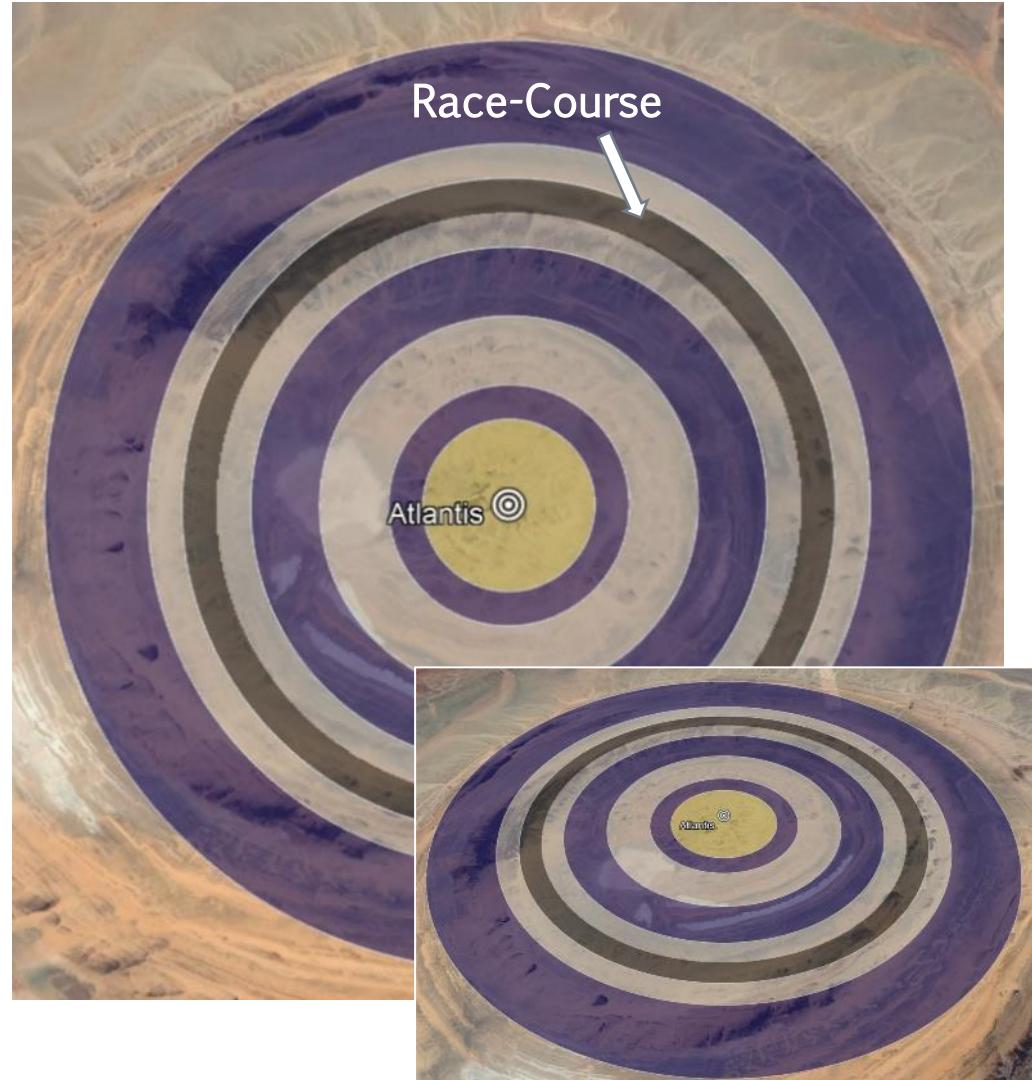
# The Descent of Phaethon

## The Race-Course of Atlantis

Plato states that a “race-course” (used for racing horses) was constructed in the center of the largest land zone. The track was one stadion (ka) in width and spanned the entire circumference of the zone.

In other words, an additional zone, one stadion (ka) in breadth, was placed “on top” of the last zone of land.

The images to the right show the location of the race-course.



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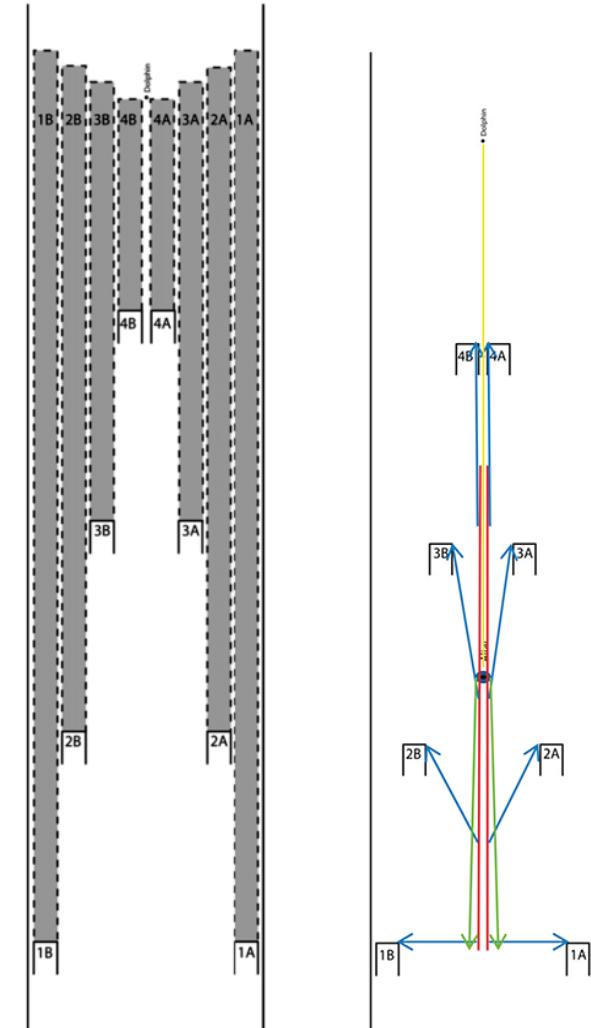
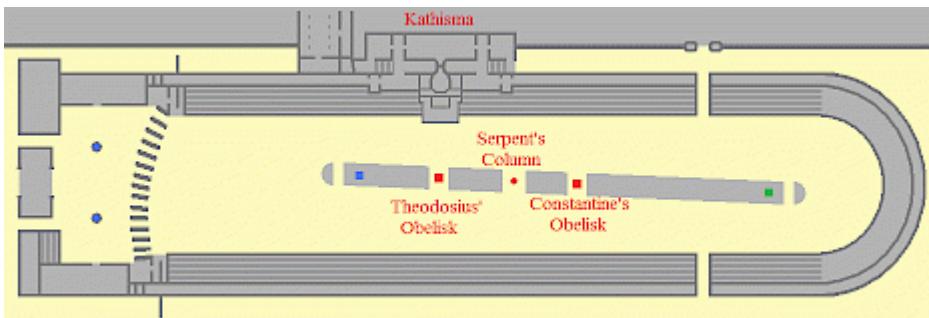
# The Descent of Phaethon

## Hippodrome of Olympia

The Hippodrome of Olympia housed the equestrian contests (horse racing and chariot racing) of the Ancient Olympic Games. According to Pausanias, it was situated to the south of the Stadium and covered a large area about **600** meters long and **200** meters wide.

The hippodrome was a wide, flat, open space where the starting point and the finish line were designated with a pole and a second smaller pole called nyssa designated the turning point.

Note the sharp turns at the ends of the race-course.



Hippodrome Starting Gate Positions

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# The Descent of Phaethon

## The Disconnected Mass

Extremely complex orbital systems can be designed using varying combinations of these “exotic” orbit configurations and transfers.

However, implementation of an orbital system of this complexity (or even the modification of an existing orbit) would require technology far more advanced than what is available today.

One possibility is that an advanced civilization had the technology to “disconnect” objects from their mass. Perhaps this could be accomplished through **mirroring** of the object’s interaction with gravity, or “shielding” the object from the Higgs field.



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# The Descent of Phaethon

## The Disconnected Mass

However, if a large object in the solar system (such as a planet) was disconnected from its mass, that mass would still need to “exist” in some form, even if its (the mass’s) physical location is greatly offset from the object .

This “invisible” mass would need to continue to interact with the mass of the other objects (in the object’s original orbital location) as well as maintain its contribution of mass to the center mass of the solar system.

Otherwise, the effectively complete removal of a large mass from the solar system would perturb the orbits of the other objects in the system.



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# The Descent of Phaethon

## The Labyrinth

The image to the right illustrates an example of a complex orbital system. This example uses the inner planets of the solar system and assumes one planet per orbit (**6** orbits), as opposed to Mercury and Mars representing two (**2**) orbits each.

Each orbit has been configured as a horseshoe orbit, with the “horns” of each horseshoe alternating **180°**. With this configuration, each planet would need a co-orbital partner.



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# The Descent of Phaethon

## The Labyrinth

One option would be to convert each planet's moon to a co-orbiting partner. Planets without a moon would either need one "assigned" to it, or a mechanism to create a virtual co-orbiting partner using another form of "invisible" mass.



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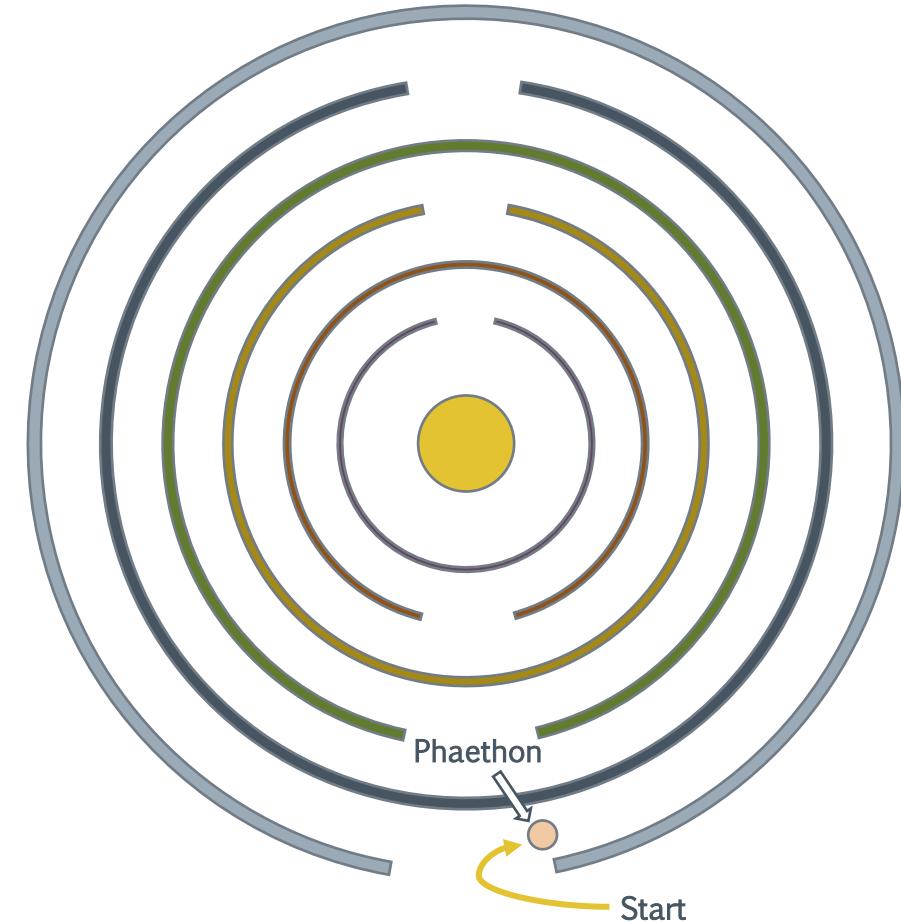
# The Descent of Phaethon

## The Labyrinth

One purpose of this type of orbital configuration would be to create a virtual “race-course” for an independent celestial object (such as a small moon or spherical body). This could be the race-course described by Plato.

This complex race-course would also resemble a labyrinth (or a maze with one path).

The image to the right illustrates how a celestial object, labeled “Phaethon”, would begin its journey through this labyrinth.



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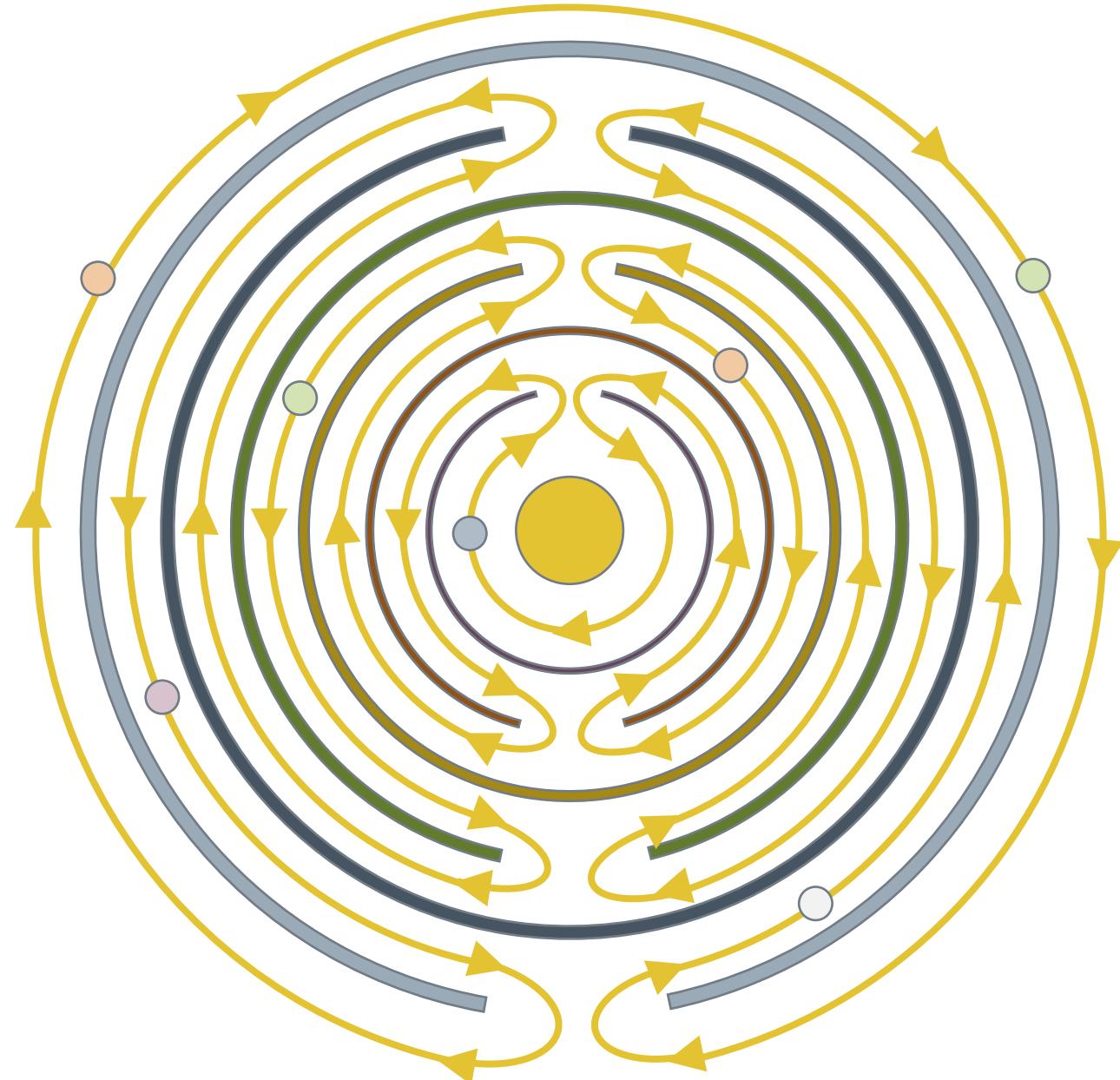
# The Descent of Phaethon

## The Labyrinth

The image to the right illustrates the path of the Labyrinth.

It's possible for multiple objects (chariots) to navigate the Labyrinth at once.

Note that this path is **relative** to the primary co-orbiting partner (the planet inside the "horns"). The true path (absolute path) would look much different.

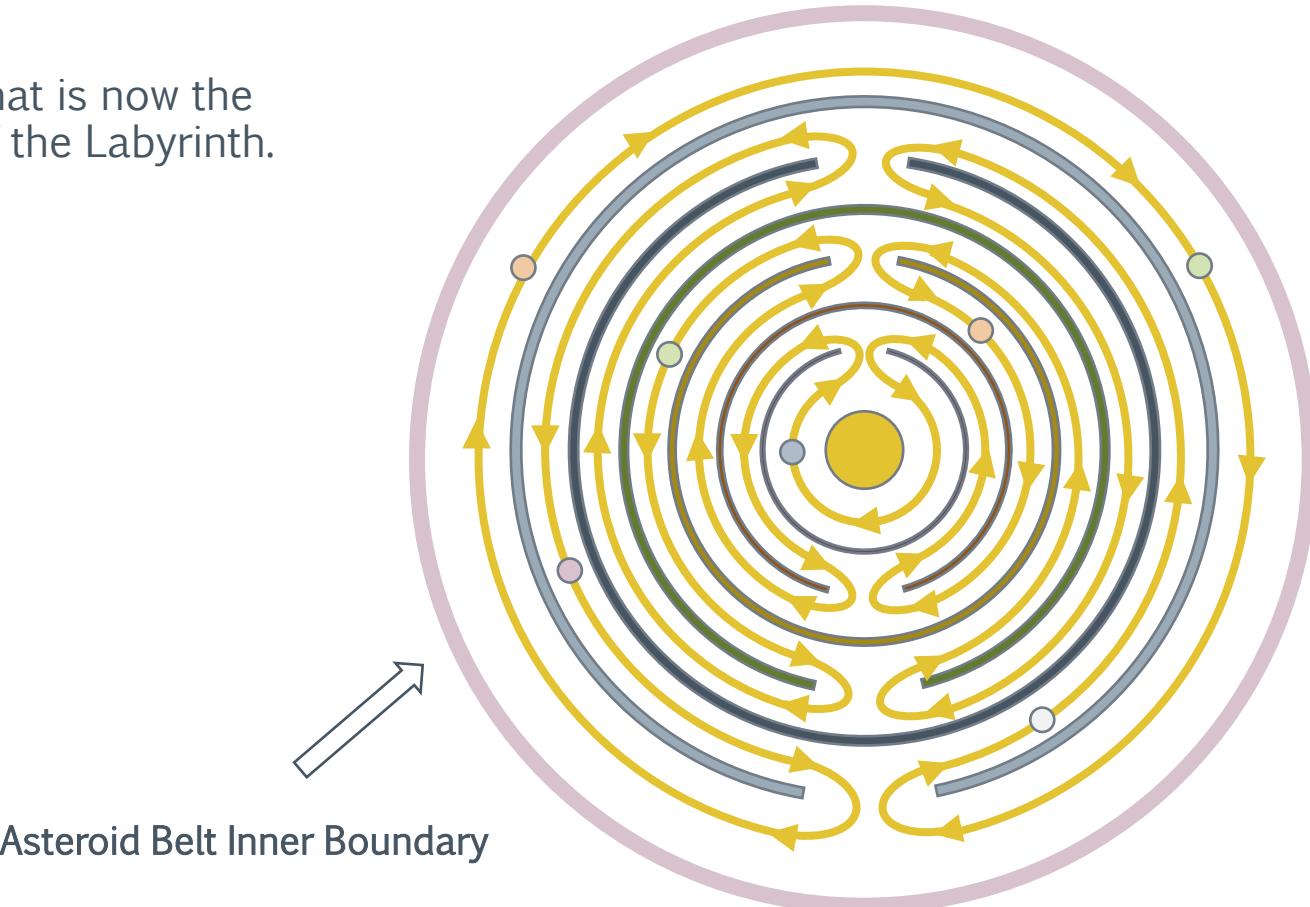


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# The Descent of Phaethon

## The Labyrinth

Note that the inner boundary of what is now the asteroid belt begins just outside of the Labyrinth.



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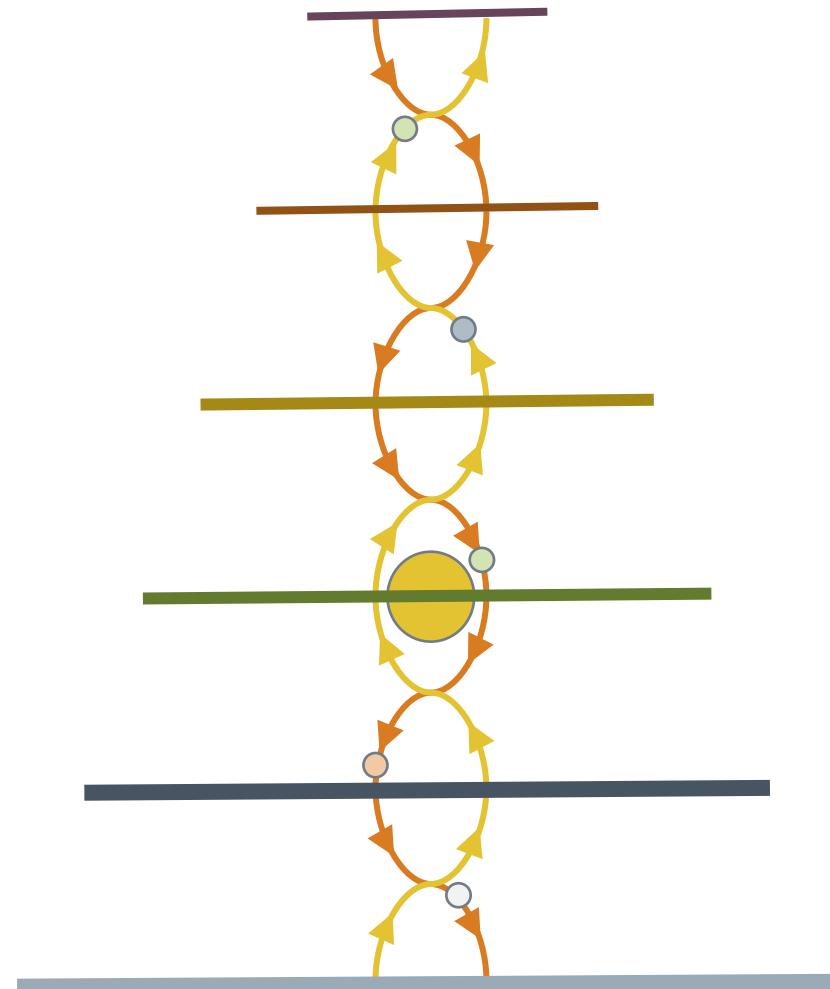
# The Descent of Phaethon

## The Labyrinth

One possibility is that the planetary disc (the plane of the orbits) of the inner planets was “**expanded**”.

The planets outside the orbit of Earth would be offset to the “south”, while the planets inside the orbit of Venus would be offset to the “north”.

The offset planets would continue their orbits as if there was a “copy” (mirror) of the Sun in the center of their orbital plane.



Labyrinth Side View

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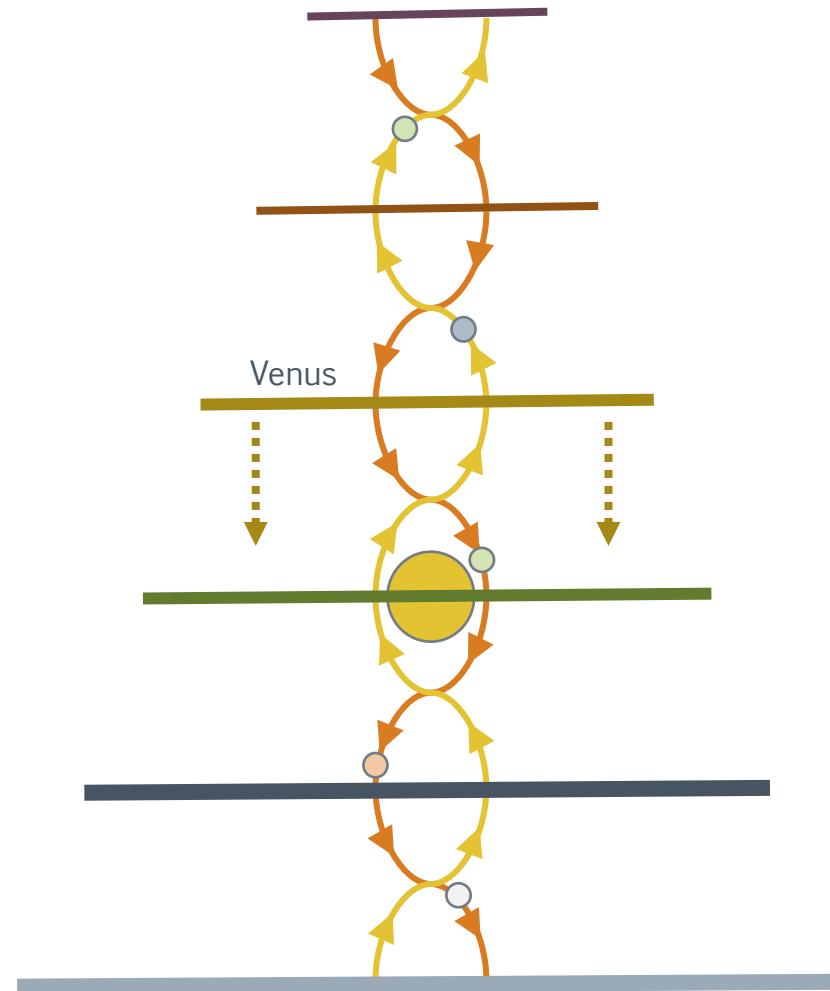
# The Descent of Phaethon

## The Labyrinth

Earth and Venus would remain on the original planetary disc plane.

The image on the right shows the side view of the Labyrinth with the planetary disc expanded.

The image shows Venus expanded to the “north”. However, this is only to illustrate the path of the Labyrinth.



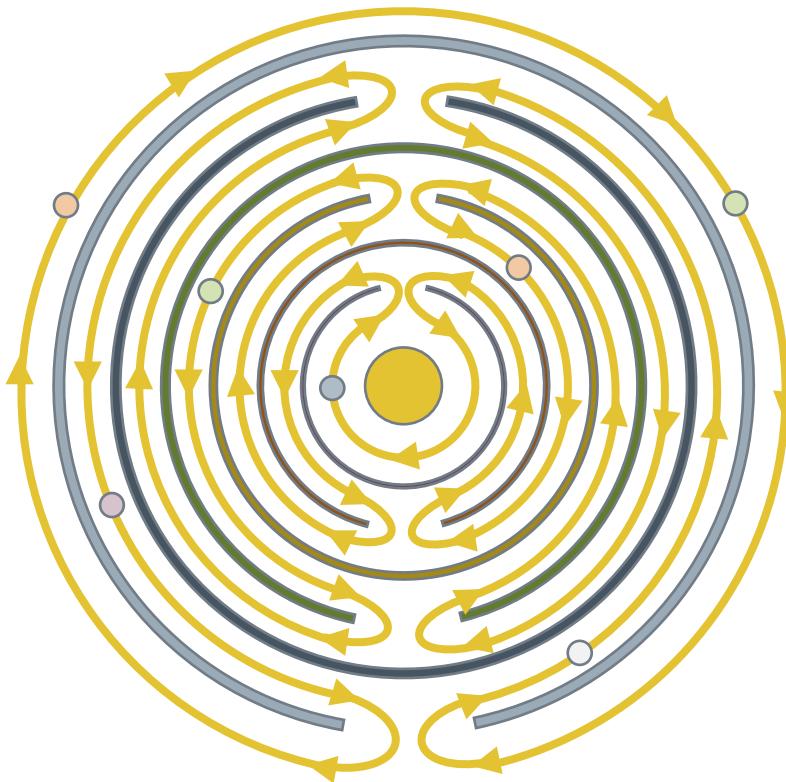
Labyrinth Side View

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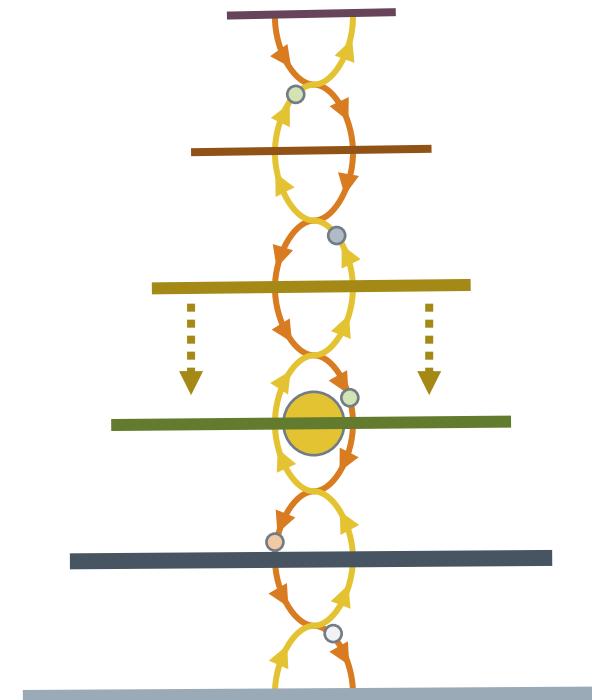
# The Descent of Phaethon

## The Labyrinth

The images below show the top and side views of the Labyrinth.



Top View



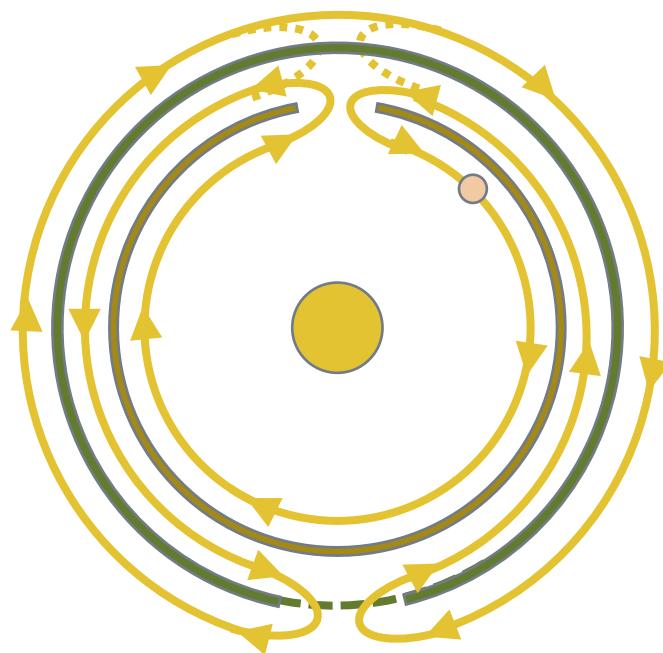
Side View

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# The Descent of Phaethon

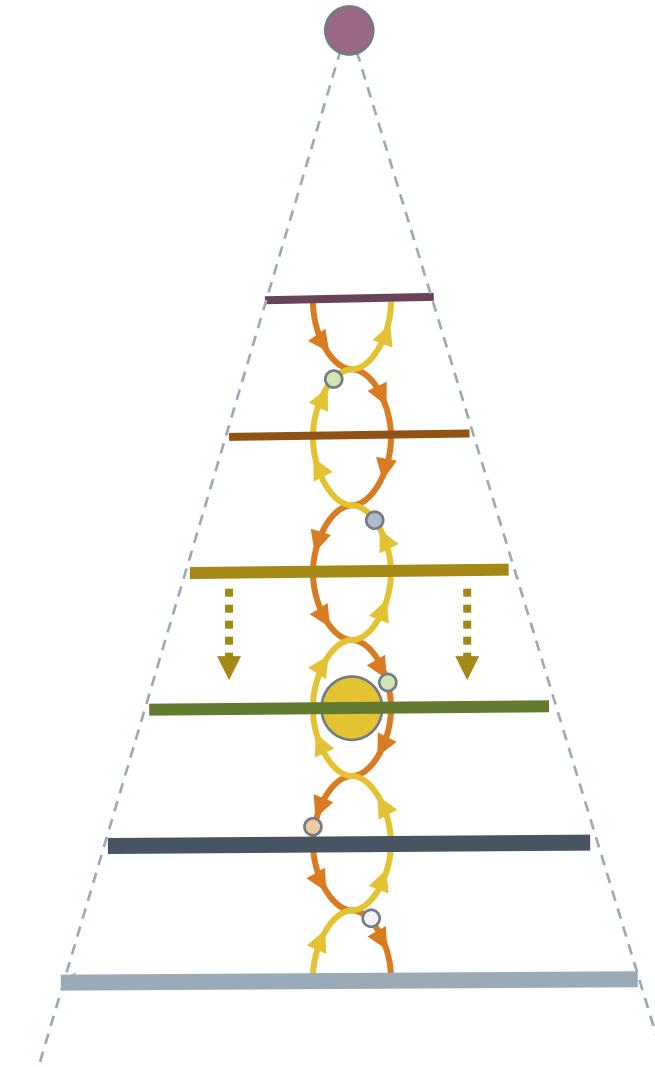
## The Labyrinth

From a specific point of view to the “north”, the expanded orbits would “eclipse” each other. Meaning they would all appear to be the same size.



Eclipsed Top View

## The “Thrown”



Side View

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# The Descent of Phaethon

## The Labyrinth

The complex orbital configuration of this labyrinth could have set the stage for a massive cataclysm affecting most (if not all) of the solar system.

Evidence of such a cataclysm can be found throughout the solar system.

The remainder of this section will examine some of this evidence.



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# The Descent of Phaethon

## The Poplars of Phaethon

About **13,000** years ago, one tenth of Earth's surface suddenly became covered in flames.

Scientists estimate this firestorm was comparable to the one that is believed to have led to the extinction of the dinosaurs.



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# The Descent of Phaethon

## The Poplars of Phaethon

The fires covered the skies with smoke and dust clouds, leading to a “mini “ ice age that kept the Earth cool for **1,000** years.

Scientists theorize that a large object, such as a comet, came very near the Earth and fragmented, due to the immense gravity between two bodies.

These fragments impacted the Earth, causing the cataclysm.



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# The Descent of Phaethon

## The Poplars of Phaethon

Analysis was carried out on patterns in pollen levels, which suggested pine forests were suddenly burned off to be replaced by **poplar trees** – a species specializing in covering barren ground, as you might get when your planet has been hit by a series of massive fireballs.

Recall that in the myth of **Phaethon**, his sisters, the Heliades, are turned to black **poplar trees** as they mourn his death, caused from crashing into the Earth.



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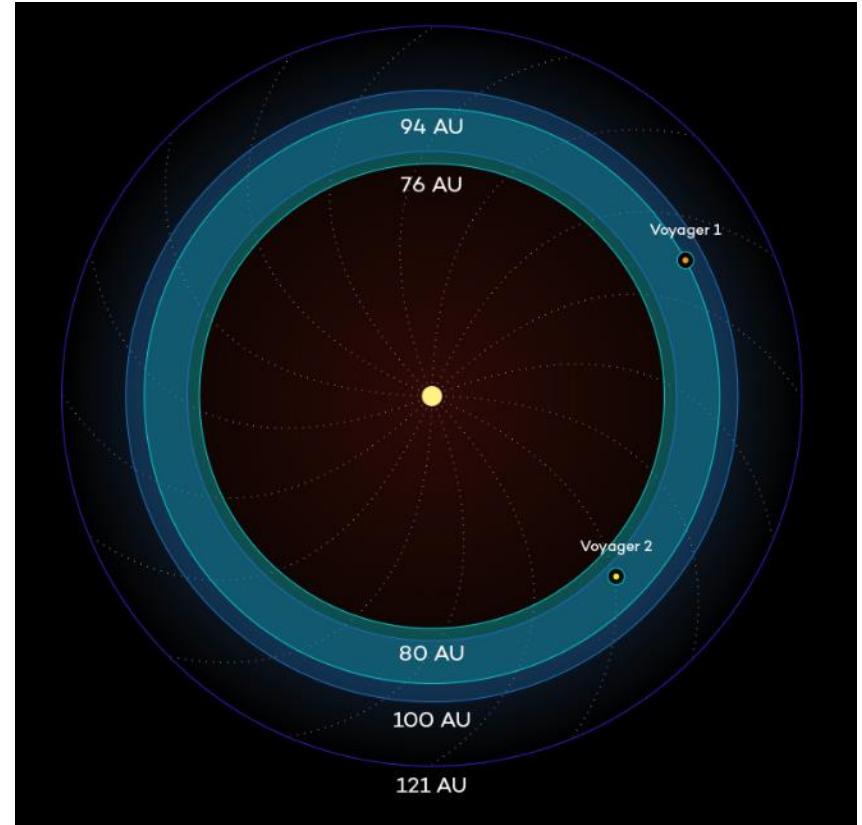
# The Descent of Phaethon

## The Heliosphere

The heliosphere is the magnetosphere, astrosphere and outermost atmospheric layer of the Sun. It takes the shape of a vast, bubble-like region of space. In plasma physics terms, it is the cavity formed by the Sun in the surrounding interstellar medium.

The "bubble" of the heliosphere is continuously "inflated" by plasma originating from the Sun, known as the solar wind. Outside the heliosphere, this solar plasma gives way to the interstellar plasma permeating the Milky Way.

As part of the interplanetary magnetic field, the heliosphere shields the Solar System from significant amounts of cosmic ionizing radiation; uncharged gamma rays are, however, not affected.



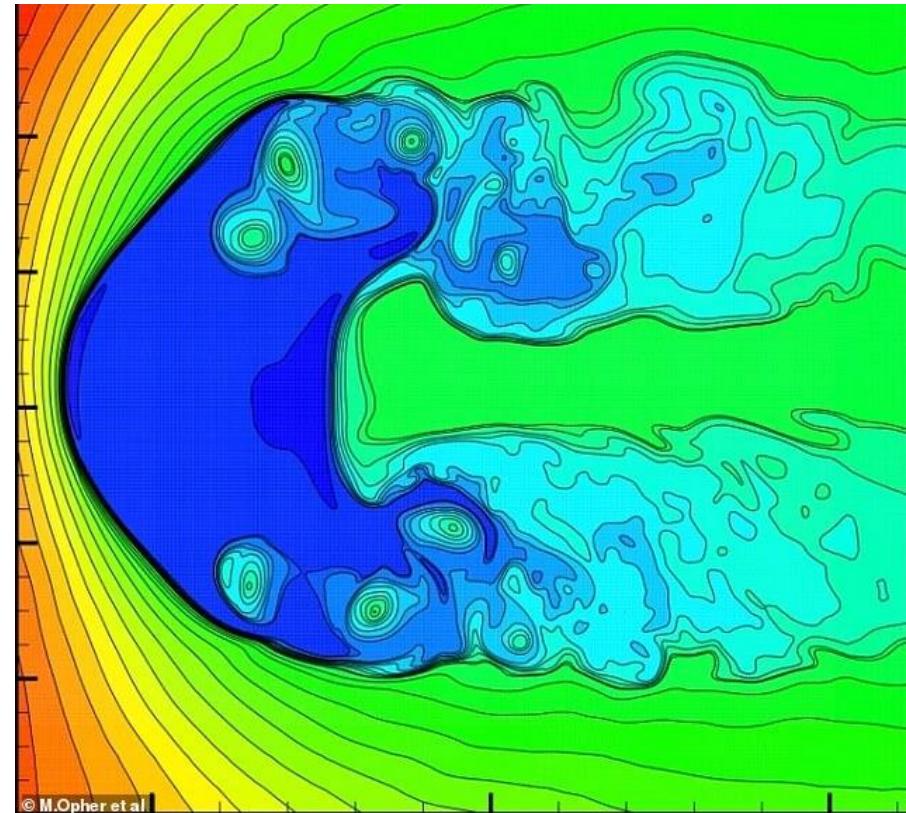
# The Descent of Phaethon

## The Heliosphere

Recent analysis of the heliosphere found that twin jets of material – known as heliospheric jets – emanate from the sun's poles. But rather than shooting straight out, they curve round to form the solar system's tails and look like the points of a croissant.

A study led by Boston University has found the reason why this heliosphere has taken this shape is due to neutral hydrogen particles from interstellar space.

These particles make the heliospheric jets **unstable** and cause them to bend inwards.



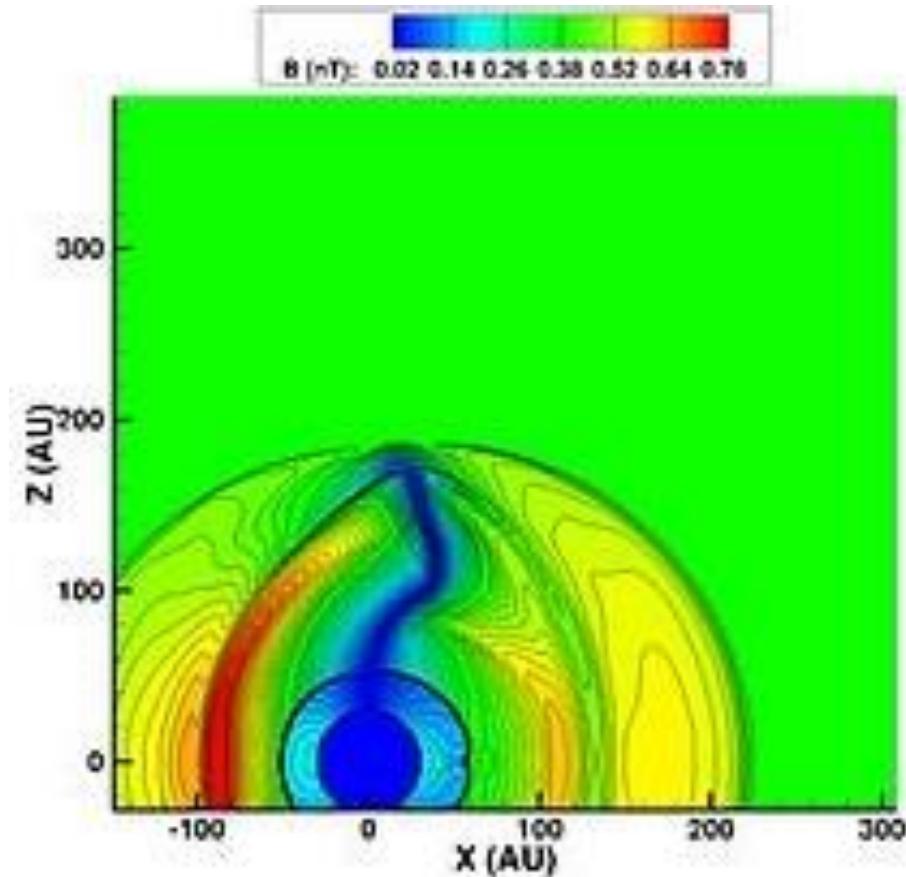
# The Descent of Phaethon

## The Heliosphere

Using a computer model, researchers found that when the neutral hydrogen particles were taken out of the simulation, the jets coming from the sun became “super stable”.

But when they were put back, the heliospheric jets became very unstable again.

The researchers claim this happens because of the interaction of the neutral hydrogen particles with the ionized matter in the heliosheath — the outer region of the heliosphere.



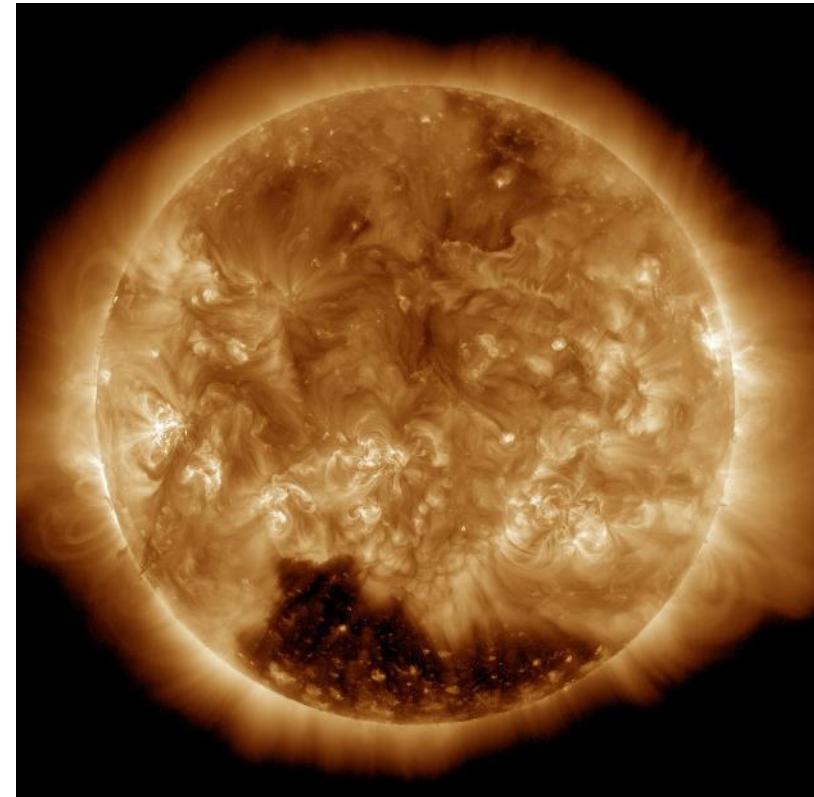
# The Descent of Phaethon

## The Heliosphere

The instability of the heliosphere is an indicator that the Sun was “damaged” in some way, and this damage altered or weakened its heliosphere.

This weakened heliosphere is unable to properly shield the solar system from the massive amounts of neutral hydrogen particles from interstellar space.

This, in turn, makes the damaged heliosphere even more unstable.

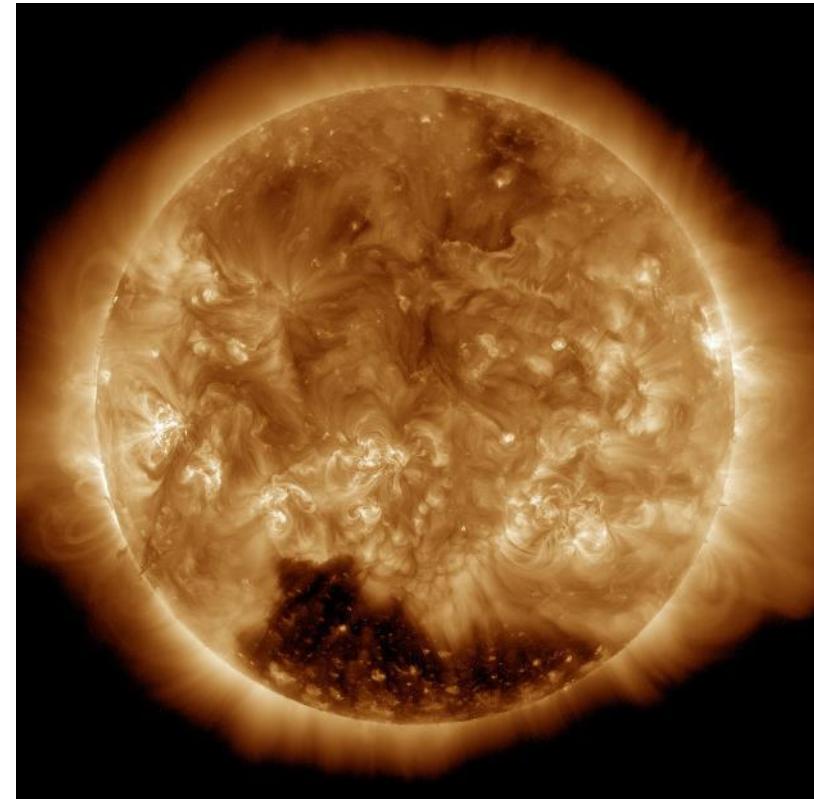


# The Descent of Phaethon

## The Heliosphere

Because of the damage to the Sun and its heliosphere, the Earth would have been exposed to much **lower levels of interstellar/solar radiation** prior to this cataclysm (antediluvian). Much lower (and more stable) than it does currently.

Another indicator of possible damage to the Sun, is the antediluvian average orbital radius of Earth. This orbital period places the Earth closer to the Sun.



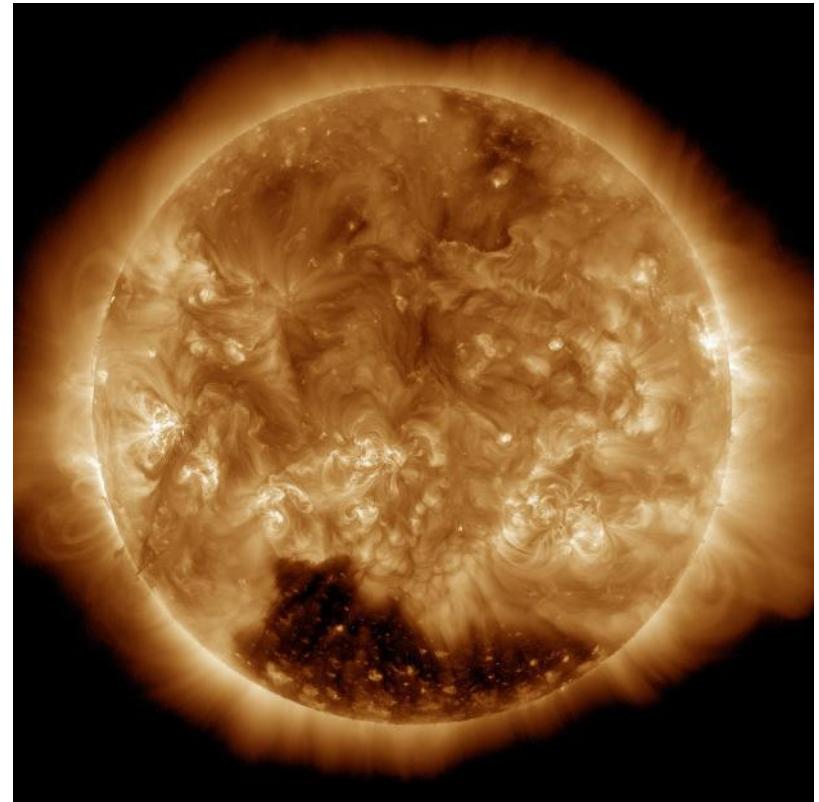
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# The Descent of Phaethon

## The Heliosphere

If the Earth's average orbital radius was still at this distance, average global temperatures would rise significantly. In other words, the Earth would be extremely "hot".

This indicates that the Sun once produced lower (different) levels of various types of radiation.



# The Descent of Phaethon

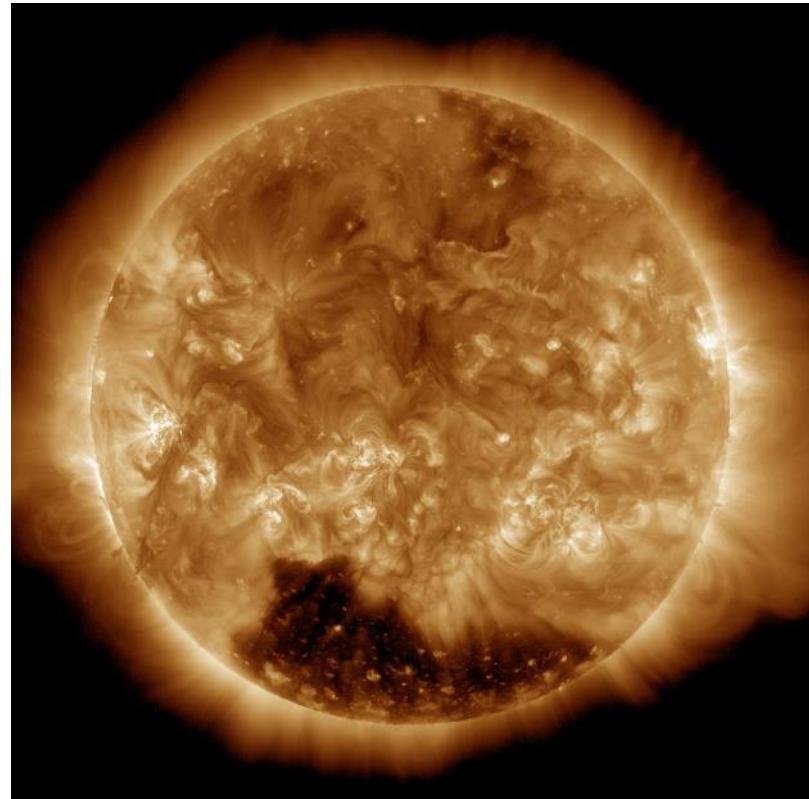
## The Heliosphere

One possible explanation for this damage to the Sun is that a very large object (such as a planet) fell into the Sun.

If this object contained significant amounts of any heavy elements (such as iron), the Sun would have most likely “ejected” it outwards, along with large amounts of the Sun’s plasma.

This “ejection” would have been in the form of a massive explosion emanating from the Sun.

The scale of the damage (or destruction) inflicted on objects orbiting the Sun during this explosion would depend on the size of this explosion (its total energy).



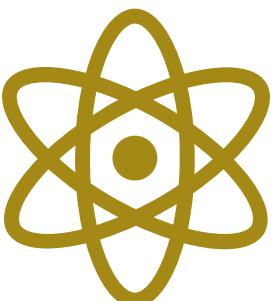
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# The Descent of Phaethon

## Radiocarbon Dating

Radiocarbon dating (also referred to as carbon dating or carbon-14 ( $C^{14}$ ) dating) is a method for determining the age of an object containing organic material by using the properties of radiocarbon, a radioactive isotope of carbon.

Radiocarbon ( $C^{14}$ ) is created in the Earth's atmosphere by the interaction of **cosmic rays** with atmospheric nitrogen.



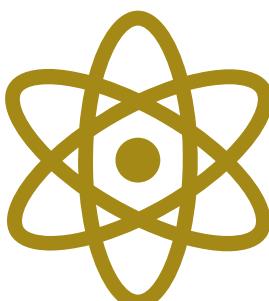
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# The Descent of Phaethon

## Radiocarbon Dating: The Assumption

The method for radiocarbon dating was developed in the late **1940s** at the University of Chicago.

The method **assumes** that the Earth's atmosphere has always created radiocarbon at a **constant** rate, and the science behind acquiring dates from organic material (with this method) relies on this assumption.



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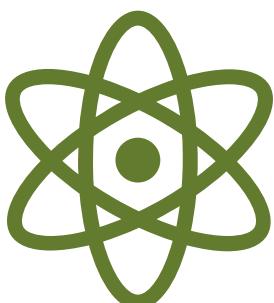
# The Descent of Phaethon

## Radiocarbon Dating: The Assumption

The logic behind this assumption is as follows:

*If the state of an observed system does not change during observation, then state of the system must therefore have always existed in the observed state.*

This is obviously flawed logic. Furthermore, there is **no evidence** to support this assumption.



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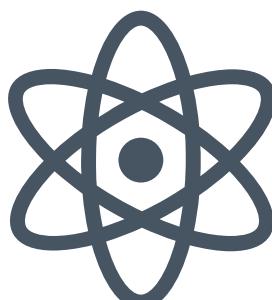
# The Descent of Phaethon

## Radiocarbon Dating: The Dependency Tree

Scientists use the dates returned by radiocarbon dating to establish the age of objects as well as the timeline of human history.

The dates are also frequently used to “calibrate” the results of other radiocarbon dating. Some dates are calibrated against other methods of dating, such as the counting of rings in the cross-section of tree specimens.

However, many of the dates, though **independently** radiocarbon tested, are subject to a long lineage of dependencies (dependency tree).



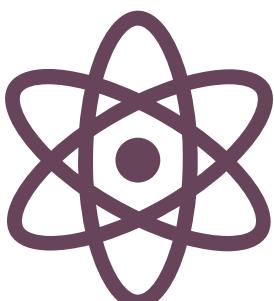
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# The Descent of Phaethon

## Radiocarbon Dating: The Dependency Tree

For example, *object A* is radiocarbon tested, and the results are calibrated using the radiocarbon age of *object B*. *Object B*'s age was established by calibrating the results of its testing with the radiocarbon age of *object C*. *Object C*'s age was established by calibrating the results of its testing with the radiocarbon age of *object D*. And so on.

This creates a “web” of interdependencies. And the introduction of even a small percentage of invalid data into this web invalidates the entire dependency tree.



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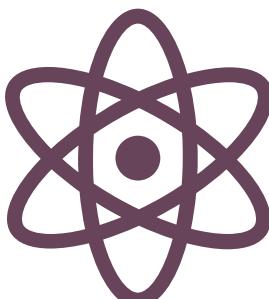
# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

Additionally, exposure to high levels of radiation can contaminate (or damage) a radiocarbon dating sample. Samples contaminated by radiation will generally return smaller age values when radiocarbon tested.

That is, the results of the radiocarbon testing will indicate (incorrectly) that the sample is “younger” than it is.

And in many cases, contaminated samples have returned negative values for the sample’s age.



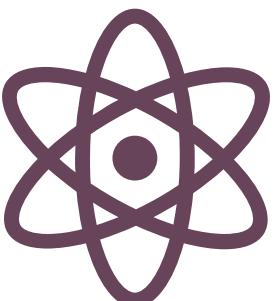
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# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

In other words, the results of the radiocarbon testing indicated that the sample originated from a date in the future. This is usually how a contaminated sample is recognized. However, not all contaminated samples will return a future date.

Therefore, without an obvious red flag (such as a future date), many contaminated samples can potentially go unnoticed.



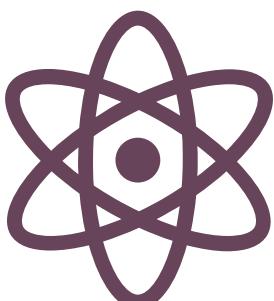
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# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

The most extreme cases of sample contamination occur near nuclear test sites (or any location where a nuclear device was detonated).

However, samples contaminated via radiation are not confined to the near proximity of nuclear detonations.



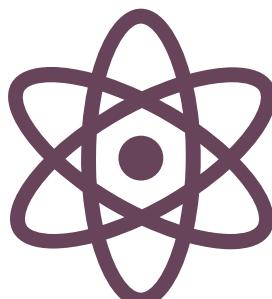
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# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

For example, if a thermonuclear detonation occurred near a significant quantity cobalt (element number **27**), the cobalt would transmute into its radioactive isotope **cobalt – 60**.

This would occur just prior to it vaporizing into a radioactive cloud and subsequently contaminating the entire atmosphere.



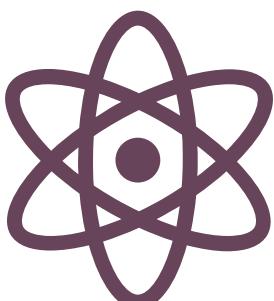
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# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

The transmutation is the result of neutron bombardment of the cobalt. So, this reaction is not limited to just thermonuclear detonations.

The ingredients needed for this are cobalt, extreme heat, and neutrons. A large coronal mass ejection (CME) of plasma from the Sun could deliver the later two.



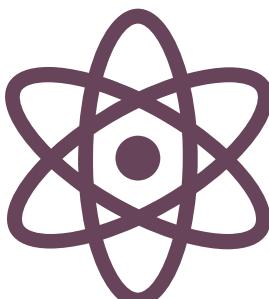
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# The Descent of Phaethon

## Radiocarbon Dating: Sample Contamination

Note that natural cobalt is found almost exclusively in chemically combined form. This means the element must be “freed” via reductive smelting.

Cobalt is most usually produced as a bi-product of **copper** and **nickel** mining.



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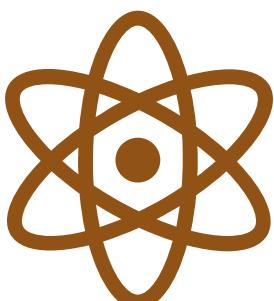
# The Descent of Phaethon

## Radiocarbon Dating: Scientific Validity

Given the overwhelming evidence presented in this series, it is apparent that there is an extreme disconnect between reality and the “accepted” timeline of human history (as dictated by archeologists).

This alone demonstrates the invalidity of timelines established through radiocarbon dating.

The details provided in this section further highlight this fact, as well as provide possible causes for this erroneous data.



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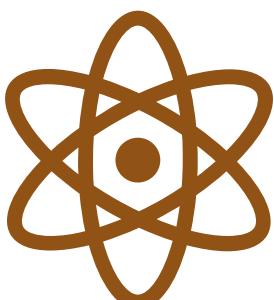
# The Descent of Phaethon

## Radiocarbon Dating: Scientific Validity

Therefore, archeological timelines established using the method of radiocarbon dating discussed in this section cannot be considered reliable, nor scientifically valid.

Furthermore, the continued use of this method to establish timelines can only be considered **pseudoscience**.

This is the consequence of a largely unchallenged false assumption.



# Section II:

## The Book of Revelation

The following section examines some of the details of the Book of Revelation and information possibly embedded within these details. The purpose is to illustrate the relationship of this embedded information with various aspects of antediluvian civilization(s). This is not intended to be a complete analysis of the Book of Revelation.

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# The Book of Revelation

## Background

The **Book of Revelation** – also called the **Apocalypse of John** is the final book of the New Testament and consequently is also the final book of the Christian Bible. The Book of Revelation is the only apocalyptic book in the New Testament canon.

The author names himself as "**John**" in the text, but his precise identity remains a point of academic debate. Second-century Christian writers such as Papias of Hierapolis, Justin Martyr, Irenaeus, Melito of Sardis, Clement of Alexandria, and the author of the Muratorian fragment identify John the Apostle as the "**John**" of Revelation.

Modern scholarship generally takes a different view, with many considering that nothing can be known about the author except that he was a Christian prophet. Modern theological scholars characterize the Book of Revelation's author as "**John of Patmos**". The bulk of traditional sources date the book to the reign of the Roman emperor Domitian (AD 81–96), which evidence tends to confirm.

The original text of the Book of Revelation was written in **Greek**. The same is true of the works of Plato.

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# The Book of Revelation

## Uranus

Information about Uranus can be extracted from ***Revelation 4 & Revelation 14***.

The first value that can be extracted is the orbit of Uranus. It is the average orbital radius, and thus the orbit that determines its orbital period.

The method John uses to embed the first value is very similar to the way Plato embedded information within his War Chariot.



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# The Book of Revelation

## Uranus

The relevant text is displayed below. Some semantical text has been omitted, but no text containing quantitative values.

“And round about the throne were ***four (4) and twenty (20)*** seats: and upon the seats I saw ***four (4) and twenty (20)*** elders sitting, clothed in white raiment; and they had on their head’s crowns of gold.

And there were ***seven (7)*** lamps of fire burning before the throne, which are the ***seven (7)*** Spirits.

And round about the throne, were ***four (4)*** beasts full of eyes before and behind.

And the beasts had each of them ***six (6)*** wings about him.

And the ***four (4) and twenty (20)*** elders *fall down* before him.”

The relevant text begins and ends with the same number set (*four and twenty* ).

Note that the ratio of the size of Uranus to Earth is **4: 1**.

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# The Book of Revelation

## Uranus

The table below shows the derived number and the orbital information of Uranus.

Derived Number	<b>4,204,207,746,420</b>
Uranus Minimum Orbit	$\sim 4,000,000,000,000 a$
Uranus Average Orbit	<b><math>\sim 4,250,000,000,000 a</math></b>
Uranus Maximum Orbit	$\sim 4,500,000,000,000 a$

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# The Book of Revelation

## Uranus

The table below shows how the number is derived.

Number Component	Derived Number = 4, 204, 207, 746, 420
Four (4)	4
And twenty (20) seats	20
Four (4)	4
And twenty (20) seats	20
Seven (7) lamps of fire	7
Seven (7) Spirits	7
Four (4) beasts	4
Six (6) wings	6
Four (4)	4
And twenty (20) seats	20

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# The Book of Revelation

## Uranus

The phrase “four and twenty” represents the number **24** ( $4 + 20$ ). This number could also represent the equatorial circumference of Uranus. Its possible that one of the details that describe the elders (and their seats) is a multiplier indicator.

$$2.4 \times 10^8 = \text{Uranus Equatorial Circumference} = 240,000,000 \text{ a}$$

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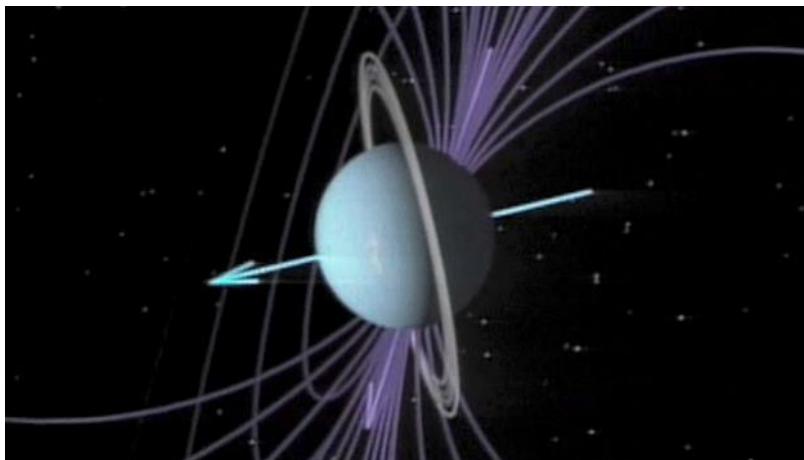
# The Book of Revelation

## Uranus

Note that the relevant text ends with the phrase:

*“The four (4) and twenty (20) elders fall down before him that sat on the throne and worship him.”*

Uranus is tilted on its side, meaning that its northern axis points towards the Sun. Furthermore, its magnetic poles are not aligned with its axis and its core is off-center from its physical center point.



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# The Book of Revelation

## Uranus

*Revelation 14: 1* states.

“And I looked, and, lo, a Lamb stood on the mount Sion, and with him **a hundred forty and four thousand (144,000)...**”

The value for the Moon’s orbit is **144,000** when using the circumference-based sexagesimal system of Uranus. This system has a calibration value of **15,000**, which is also the calibration value of the Ishtar Anunnaki System.

Note that the minimum orbital radius of Neptune and Pluto is  $1.666 \times 10^{12}$  in the Uranus system. This represents the maximum orbit of Mars, which is **1.666** astronomical units (au).

And using the sexagesimal system of Mars, the equatorial circumference of Uranus is **450,000,000**. This value is equal to the speed of light, and it also represents the maximum orbital radius of Uranus (in au).

# The Book of Revelation

## Uranus: The Cataclysm

Given the context that this information is presented within (the only apocalyptic book in the New Testament ), it appears that Uranus participated in a cataclysm that most likely affected the entire solar system.

Furthermore, it appears this cataclysm involved extremely high amounts of energy (kinetic or otherwise). Enough to knock the core of Uranus off-center.

Therefore, it is likely that the Book of Revelation is describing one or more **cataclysms that have already occurred**, as opposed to “predicting” a cataclysm that is supposed to occur at some point in the future.



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# The Book of Revelation

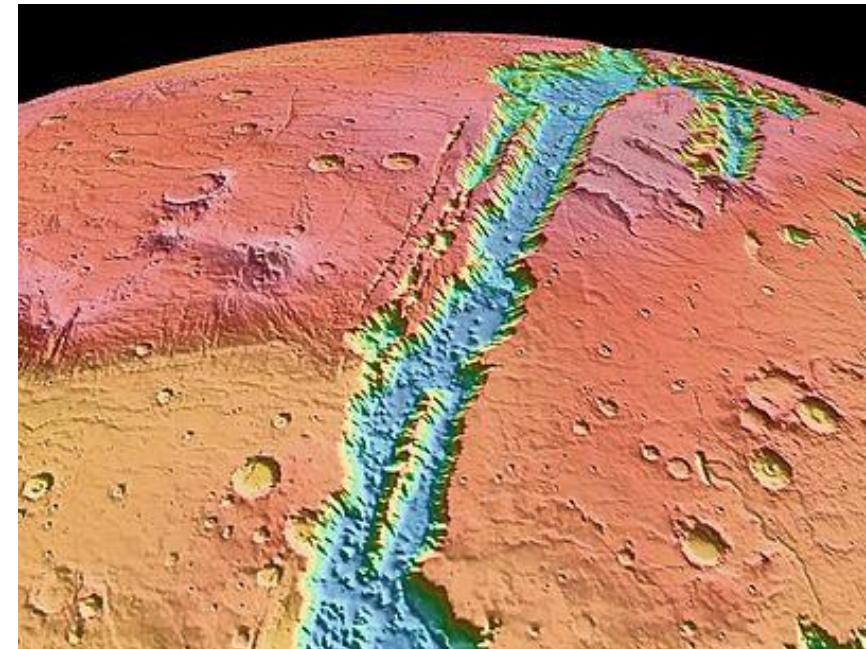
## Mars: The Wounded Head

*Revelation 13: 3* states.

“And I saw one of his heads as it were wounded to death; and his deadly wound was healed: and all the world wondered after the beast.”

This could be a reference to Mars. A giant canyon-like structure stretches across the face of Mars and resembles a scar. It is known as the Valles Marineris.

Theories on how this structure formed vary wildly, and currently there is no real consensus regarding its formation.



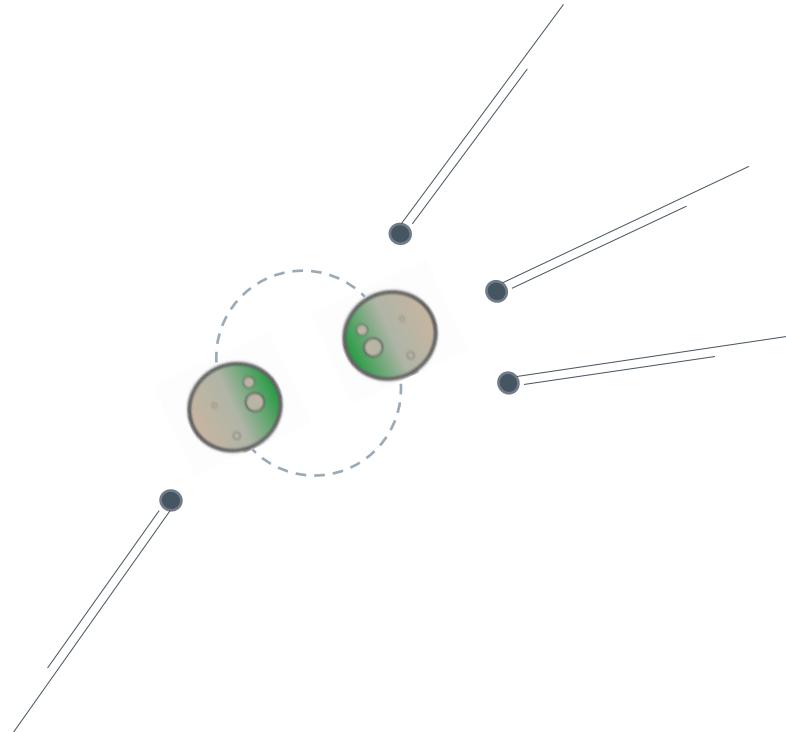
# The Book of Revelation

## Mars: The Winepress

*Revelation 14: 20* states.

“And the winepress was trodden without the city, and blood came out of the winepress, even unto the horse bridles, by the space of a thousand and six hundred (**1,600**) stadia.”

Recall that the orbital radius of the “potential” co-orbital partner of Mars is  **$1.600 \times 10^9 a$** . So, this could be a reference to an event that involved Mars and/or its co-orbital partner.



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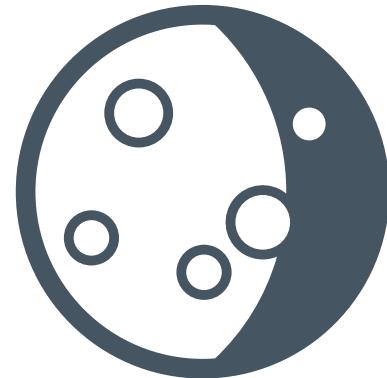
# The Book of Revelation

## Mars: The Winepress

However, **Papyrus 115**, the oldest preserved manuscript of the Book of Revelation as of **2017**, gives the number **2,600**, as opposed to **1,600**.

“And the winepress was trodden without the city, and blood came out of the winepress, even unto the horse bridles, by the space of **two thousand and six hundred (2,600) stadia.**”

Note that the polar radius of the Moon is **2,600 ka**.



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# The Book of Revelation

## Venus

*Revelation 12: 1* states.

“And there appeared a great wonder in heaven; a woman arrayed with the Sun, and the Moon under her feet.”

This could represent Venus, as planets are arrayed with the sun (or clothed by its light). The phrase “the Moon under her feet” could be a reference to (or related to) a circular structure located near the center of Atlantis.

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# The Book of Revelation

## Venus

The images below show this structure. This structure resembles the **face of the Moon**. Note that it is located directly under the orbital projection of Venus (under her feet).



Orbital Zone of Venus



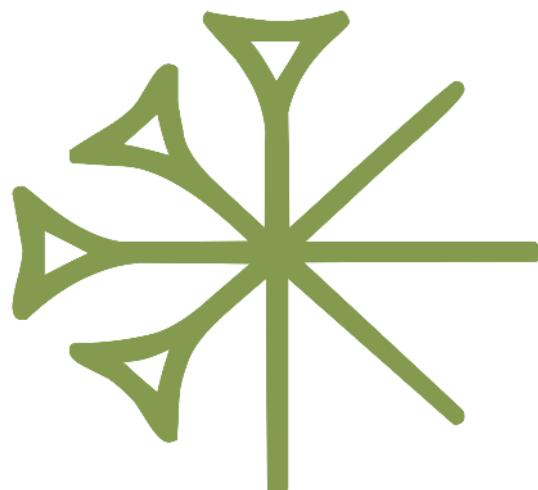
Orbital Zone of Venus

# The Book of Revelation

## Alpha and Omega

In ancient Mesopotamian religion, Anu is the divine personification of the sky, supreme god, and ancestor of all the Anunnaki. Anu represents the numbers one (**1**) and sixty (**60**).

Anu was believed to be the supreme source of all authority, for the other gods and for all mortal rulers, and he is described in one text as the **one** "who contains the entire universe".



Anu

# The Book of Revelation

## Alpha and Omega

The Book of Revelation mentions the following phrase several times:

*“I am Alpha and Omega, the beginning and the ending”*

The phrase occurs in **Revelation 1:8**, **Revelation 1:11**,  
**Revelation 21:6**, and **Revelation 21:13**.

In the Greek alphabet, alpha is the **1st** letter and omega is the **24<sup>th</sup>** and **last** letter.

Anu represents the numbers one (**1**) and sixty (**60**). The number one (**1**) is the first of the “sacred” numbers for the Anunnaki, and sixty (**60**) is the last.

In addition, the numbers one (**1**) and sixty (**60**) are the first and last base numbers in the sexagesimal number system.



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# The Book of Revelation

## Alpha and Omega

The radius-based calibration value for the number **1** is  $10^n \times 6.3$ ,  
where  $n = \text{number of decimal places}$ .

For example, when  $n = 7$ , the radius-based calibration value equals  
**63,000,000** ( $10,000,000 \times 6.3$ ). This equals the calibration value of  
the sacred cubit.

Therefore, Anu shares this Anunnaki System (calibration value) with  
the deity **Adad** (the number **10**).



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# The Book of Revelation

## Alpha and Omega

**Revelation 13: 11** describes a beast that has two (**2**) horns. This could be a reference to the two (**2**) numbers represented by Anu.

**Revelation 13: 12** states that this beast “exercised all the authority of the first beast before him”. The first beast in *Chapter 13* is described as having ten crowns (the number **10**).

The “relationship” of these two beasts is very similar to the relationship between the Anunnaki Systems of Anu and Adad. For example, the two systems share the calibration value of the sacred cubit (**63,000,000**).

In other words, the **Anu** system has all the possible calibration values (authority) of **Adad**, *plus* an additional set based on the number **60**.



# The Book of Revelation

## Alpha and Omega

The Book of Revelation mentions the “One” several times. The table below displays the location and text of some of the references to the “One”.

Verse	Text
<i>Revelation 1:8</i>	"I am the One who is, who always was, and who is still to come--the Almighty One."
<i>Revelation 1:18</i>	"I am the Living One; I was dead, and now look, I am alive for ever and ever."
<i>Revelation 4:2</i>	"And immediately I was in the spirit: and behold, a throne was set in heaven, and One sat on the throne"
<i>Revelation 17:10</i>	"And there are seven kings: five are fallen, and One is, and the other is not yet come; and when he cometh, he must continue a short space."
<i>Revelation 13:18</i>	"let the One who has understanding <i>calculate</i> the number of the beast, for it is the number of a man, and his number is 666."

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# The Book of Revelation

## Shamash: The Army of the Horsemen

*Revelation 9: 16* states:

“And the number of the army of the horsemen were two hundred thousand-thousand (**200,000,000**): and I heard the number of them.”

This number represents the calibration value of the Shamash (**20**) Anunnaki System.

Anunnaki	Number	Calibration Value (Circumference-Based)
Shamash	20	200,000,000

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# The Book of Revelation

## Shamash: The Army of the Horsemen

With the **Shamash** Anunnaki System, every orbital radius of every object in the solar system has a value that is exactly equal (numerically) to its P-Ratio. This is because its P-Ratio divisor is **100,000,000 (1)**.

The table below displays an example of this.

Orbit	Shamash (200,000,000)	P-Ratio
Venus Minimum Orbit	<b>536,420,626,295 sh</b>	<b>5.36420626295 pr</b>
Venus Average Orbit	<b>540,156,145,977 sh</b>	<b>5.40156145977 pr</b>
Venus Maximum Orbit	<b>543,891,665,659 sh</b>	<b>5.43891665659 pr</b>

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# The Book of Revelation

## Ereshkigal: The 7,000 Slain

*Revelation 11: 13* states

“...and in the earthquake were slain of men **seven thousand (7,000)**: and the remnant were affrighted and gave glory to the God of heaven.”

This number represents the Ereshkigal (7) Anunnaki System.

Anunnaki	Number	Calibration Value (Circumference-Based)	Calibration Value (Radius-Based)
Ereshkigal	7	7,000,000	44,100,000

Note that the polar radius of Uranus is exactly **7,000,000** when the remainder of Plato's War Chariot (**11,222,334**) is used as a calibration value.

$$\text{Plato's War Chariot} = 222,011,222,334 - 222,000,000,000 = \mathbf{11,222,334} = \text{remainder}$$

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# The Book of Revelation

## The Bottomless Pit

The term “bottomless pit” is used seven (**7**) times in the Book of Revelation. The term is used in reference to a beast ascending out of the pit and then subsequently being “cast” back into the pit, which is locked with a key.

It's possible that the bottomless pit is in reference to a mathematical symbol used to perform some calculation. For example, consider the **hypothetical** statement:

“And the beast of thirty-six crowns spent three days on the mountain top”.

In mathematics, the exponent symbol (^) resembles a mountain top. Using this imagery, it could be inferred that the intention of the above **hypothetical** statement is to perform a calculation by raising thirty-six to the power of three ( **$36^3 = 46,656$** ).

So, there may be an “ancient” mathematical symbol that is no longer used that visually resembles some sort of hole with no bottom. The symbols below are an example of how a mathematical symbol could resemble a bottomless pit. These are just examples and have no relevant meaning.

$$\bigcup = \text{pit} \quad \bigcap = \text{bottomless pit}$$

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# The Book of Revelation

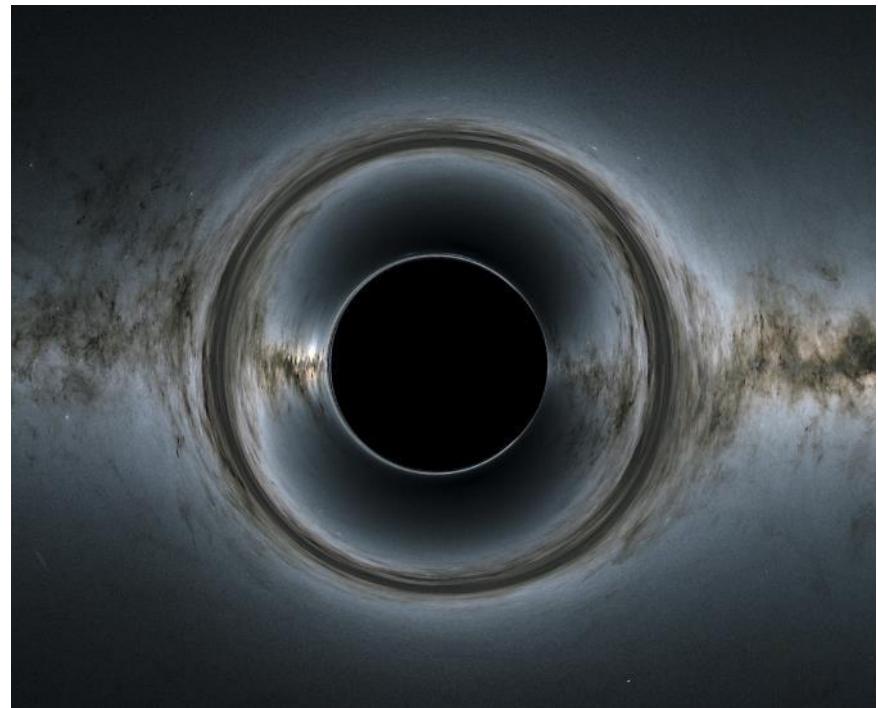
## The Bottomless Pit

An alternative is that the bottomless pit represents a black hole.

In addition to the obvious similarity of a hole and a pit, the observed behavior of an object falling into a black hole (from an external reference frame) is conceptually equivalent to an object falling into a pit with no bottom.

In other words, if an observer witnesses an object falling into a black hole, from the perspective of the observer, the object will never reach the “bottom” (core) of the black hole. This is because the object will appear to “freeze” in time as it crosses the event horizon of the black hole.

Therefore, from the perspective of this observer, a black hole is effectively a bottomless pit.



The Bottomless Pit

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# The Book of Revelation

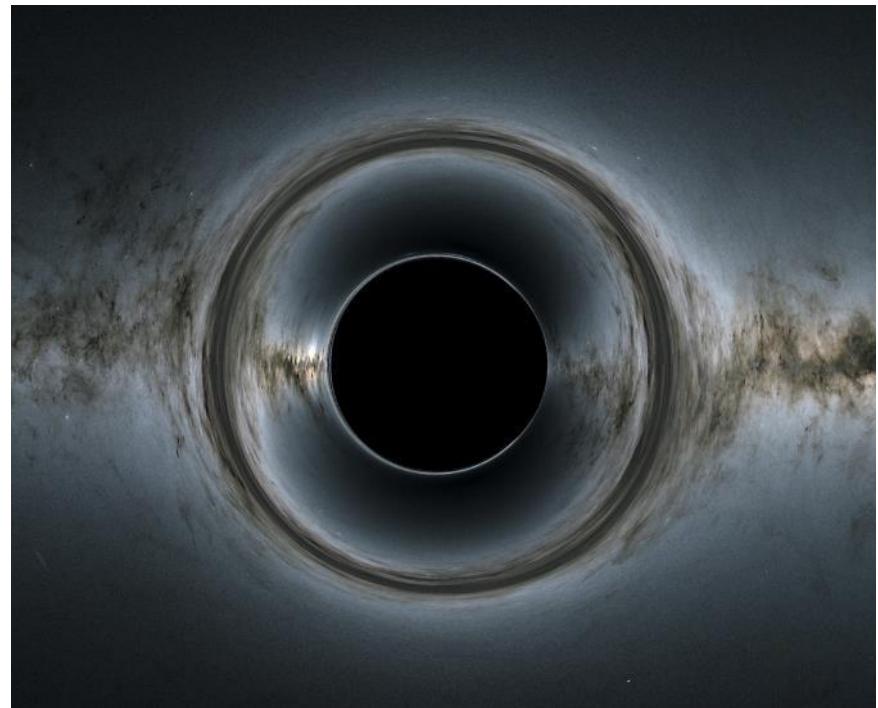
## The Bottomless Pit

Recall that Anu is referred to as the one "who contains the entire universe". In addition, the first number he represents is the number one (**1**).

This is an accurate description of a singularity. The entire universe is theorized to have existed within such a singularity just "prior" to the Big Bang.

Therefore, Anu can possibly represent the singularity of the universe, the singularity of a black hole, or both.

The last of the three (**3**) possibilities is an indication that the first two (**2**) are one (**1**) in the same.



The Bottomless Pit

# The Book of Revelation

## The Six Wings of the Beasts

*Revelation 4:8* states:

“And the four beasts had each of them **six (6) wings** about him; and they were full of eyes within: and they rest not day and night.”

There is another reference to objects having **six (6) wings** in *Isaiah 6:2*, which states:

“Above it stood the seraphims: each one had **six (6) wings**; with twain he covered his face, and with twain he covered his feet, and with twain he did fly.”

A seraphim is an angelic being (angel), regarded in traditional Christian angelology as belonging to the highest order of the ninefold (**9**) celestial hierarchy.

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# The Book of Revelation

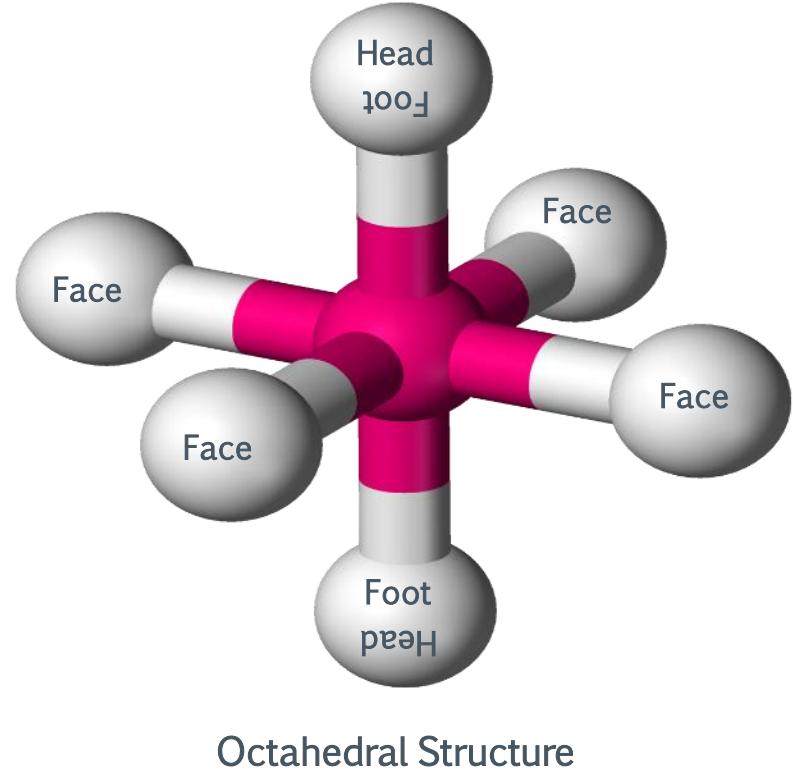
## The Six Wings of the Beasts

A wing is a modified forelimb that bears large **feathers** and is used for flying.

A wing can also be a lateral part or projection of an organ or structure.

For example, the **octahedral** geometric structure pictured to the right has six (**6**) projections (wings) protruding from its center point.

Note that this structure can be described as having four (**4**) faces and two (**2**) heads (and/or two (**2**) sets of feet).



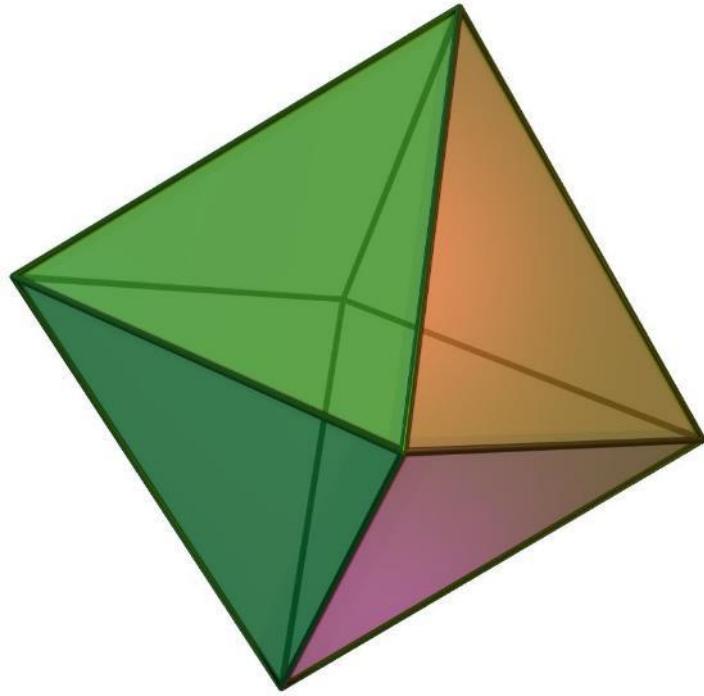
# The Book of Revelation

## The Six Wings of the Beasts

In geometry, an octahedron (plural: octahedra, octahedrons) is a polyhedron with eight (**8**) faces, twelve (**12**) edges, and six vertices (**6**).

The term is most used to refer to the regular octahedron, a **Platonic** solid composed of eight (**8**) equilateral triangles, four (**4**) of which meet at each vertex.

An octahedron is a square bipyramid; in that it represents two (**2**) identical pyramids joined at their bases.



Octahedron

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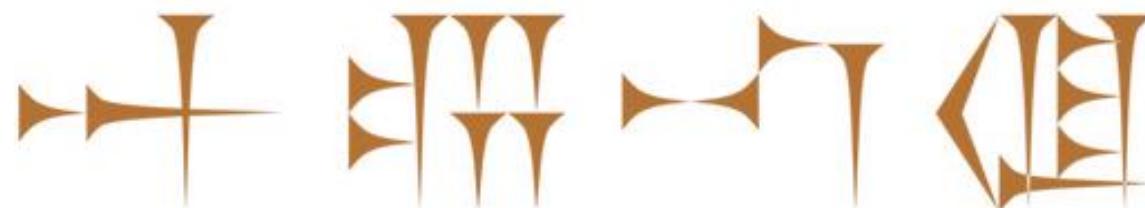
# The Book of Revelation

## The Anunnaki Calculation

A “natural” Anunnaki System is an object-bound system where its equatorial circumference (in ants) equals the calibration value of any of the Anunnaki Systems.

For example, the Earth’s equatorial circumference (antediluvian) is **60,000,000 ants**. This binds Earth (the object) to the **Anu (60)** Anunnaki System. Using another system to measure its circumference will produce another numerical value for its circumference, but the Earth will always be **60,000,000 a.**

The measured size of the Earth may change slightly from time to time (after an ice age for example), but its effective size is static.



# The Book of Revelation

## The Anunnaki Calculation

A celestial object (planet, dwarf planet, etc.) that is bound to the **Shamash (20)** Anunnaki System would have an equatorial circumference of  **$2.00 \times 10^n$  ants**. As a result, the object would have a sexagesimal system calibration value of  **$1.80 \times 10^n$** .

For example, a “hypothetical” moon (or dwarf planet) with a circumference of **20,000,000 ants** ( $n = 7$ ) would have a sexagesimal system calibration value of **180,000,000** ( $n = 8$ ).



# The Book of Revelation

## The Anunnaki Calculation

This calibration value of **180,000,000** creates an average orbital radius of Earth (**7.4 pr**) of exactly **666,000,000,000**.

Note the correlation of the number **666** to ***Revelation 13:18***, which states:

“Here is wisdom. Let him that hath understanding calculate the number of the beast: for it is the number of a man; and his number is Six hundred and sixty-six (**666**).”



# The Book of Revelation

## The Anunnaki Calculation

However, **Papyrus 115**, the oldest preserved manuscript of the Book of Revelation as of **2017**, gives the number **616**, as opposed to **666**.

Coincidentally, the two varying digits (the **1** and the **6**) represent the numbers of Anu (**1** and **60**).



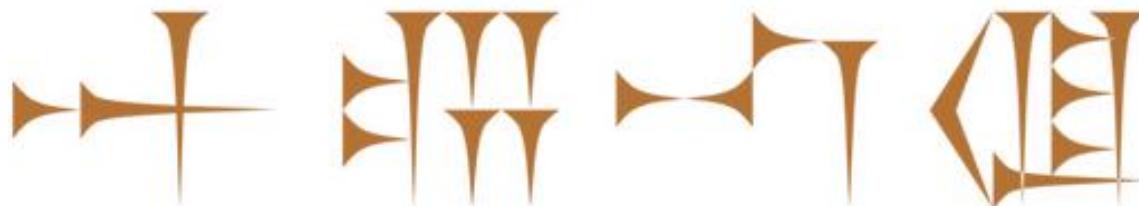
# The Book of Revelation

## The Anunnaki Calculation

All the unique measurement system calibration values applied to all the objects in the solar system creates a large dataset of values for object size and orbital distance.

Within this dataset, the number series “**666**” appears frequently, as well as all the other three (3) digit decimals with identical digits (i.e., **111**, **222**, **333**, **444**, **555**, **666**, **777**, **888**, and **999**). And they all occur at the same effective frequency (occurs about the same number of times for each series).

Examples of such occurrences are the average orbital radius of Earth (**222,000,000,000 a**) and the maximum orbital radius of Jupiter (**1,222,635,591,827 a**).



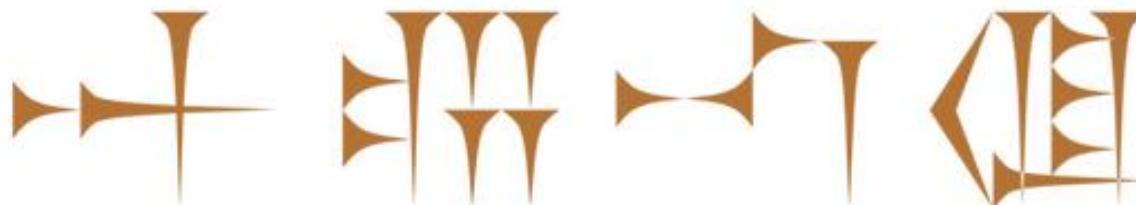
# The Book of Revelation

## The Anunnaki Calculation

Many of these occurrences are the product of the “simple” fractions with repeating decimal remainders created by the twelve (**12**) factors in sexagesimal number system. For example,  $4/9 = .444444$ ,  $5/9 = .555556$ , and  $2/3 = .666667$ .

However, many are not mathematical artifacts of a repeating decimal. They are the result of being a product of  $3.7 \times 10^n$ .

Note that the **cubit** represents the length from the elbow to the tip of the middle finger (of a human) and the ratio of this length to the height of the measured individual is **3.7**.



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# The Book of Revelation

## The Anunnaki Calculation

Recall that the average orbital radius of Earth is exactly **7.4 pr**, which is equal to  **$3.7 \times 2$** . In addition, the minimum orbital radius of Jupiter is exactly **37 pr**. There are many calculated solar system object properties that derive their values in part from either the circumference of the Earth (which all P-Ratio's derive from), or the orbital radius of Earth.

The product of sexagesimal derivatives of **60** (such as **30, 60, 90, 120, 150, 180**, etc.) and the numbers **3.7** or **7.4** produce non-repeating three (3) digit decimals (with identical digits). The table below demonstrates this mathematical phenomenon.

Number	$\times 3.7$	$\times 7.4$
30	$30 \times 3.7 = 111.00$	$30 \times 7.4 = 222.00$
60	$60 \times 3.7 = 222.00$	$60 \times 7.4 = 444.00$
90	$90 \times 3.7 = 333.00$	$90 \times 7.4 = 666.00$
120	$120 \times 3.7 = 444.00$	$120 \times 7.4 = 888.00$
150	$150 \times 3.7 = 555.00$	$150 \times 7.4 = 1,110.00$
180	$180 \times 3.7 = 666.00$	$180 \times 7.4 = 1,332.00$

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# The Book of Revelation

## The Anunnaki Calculation

Note that the product of **180** and **7.4** does not create non-repeating three (3) digit decimals (with identical digits).

Number	$\times 3.7$	$\times 7.4$
180	$180 \times 3.7 = 666.00$	<b><math>180 \times 7.4 = 1,332.00</math></b>

In cases where the product is greater than three digits, a calculation can be performed that will keep reducing the product until there are only three digits remaining.

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# The Book of Revelation

## The Anunnaki Calculation

To perform the calculation, split the target value into triplets reading frames, and then sum all the **triplets** together. Each triplet can have a value from **000** to **999**.

Keep splitting into triplets and summing until the resulting sum is only three (**3**) digits (less than **1,000**).

The tables to the right demonstrate the standard Anunnaki Calculation.

### The Anunnaki Calculation

$$180 \times 7.4 = \mathbf{1,332}$$

$$1,332 = \mathbf{001} + \mathbf{332} = \mathbf{333}$$

### The Anunnaki Calculation

$$324,000 \times 7.4 = \mathbf{2,397,600}$$

$$2,397,600 = \mathbf{002} + \mathbf{397} + \mathbf{600} = \mathbf{999}$$

### The Anunnaki Calculation

$$1,620,859,165,020 \times 7.4 = \mathbf{11,994,357,821,148}$$

$$11,994,357,821,148 = \mathbf{011} + \mathbf{994} + \mathbf{357} + \mathbf{821} + \mathbf{148} = \mathbf{2,331}$$

$$2,331 = \mathbf{002} + \mathbf{331} = \mathbf{333}$$

# The Book of Revelation

## The Anunnaki Calculation

In addition to the standard calculation described above, “checksum” calculations can be performed by shifting the leading zeros (**0**’s) of the first triplet to the end of the last triplet.

If the first triplet does not have any leading zeros (**0**’s), pad the first triplet with a zero (**0**) and pad the last triplet with a trailing zero (**0**).

The tables below demonstrate the Anunnaki standard and checksum calculations.

### The Anunnaki Standard Calculation

$$2,397,600 = \mathbf{002} + \mathbf{397} + \mathbf{600} = \mathbf{999}$$

### The Anunnaki Checksum Calculation

$$2,397,600 = \mathbf{023} + \mathbf{976} + \mathbf{000} = \mathbf{999}$$

$$2,397,600 = \mathbf{239} + \mathbf{760} + \mathbf{000} = \mathbf{999}$$

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# The Book of Revelation

## The Anunnaki Calculation

The tables below demonstrate the Anunnaki standard and checksum calculations.

### The Anunnaki Standard Calculation

$$11,994,357,821,148 = \mathbf{011} + \mathbf{994} + \mathbf{357} + \mathbf{821} + \mathbf{148} = \mathbf{2,331}$$

$$2,331 = \mathbf{002} + \mathbf{331} = \mathbf{333}$$

### The Anunnaki Checksum Calculation

$$11,994,357,821,148 = \mathbf{001} + \mathbf{199} + \mathbf{435} + \mathbf{782} + \mathbf{114} + \mathbf{800} = \mathbf{2,331}$$

$$2,331 = \mathbf{002} + \mathbf{331} = \mathbf{333}$$

$$11,994,357,821,148 = \mathbf{119} + \mathbf{943} + \mathbf{578} + \mathbf{211} + \mathbf{480} = \mathbf{2,331}$$

$$2,331 = \mathbf{002} + \mathbf{331} = \mathbf{333}$$

# The Book of Revelation

## The Anunnaki Calculation: Plato's War Chariot

Not all calculations from the Anunnaki Systems will result in a triplet with identical digits (such as **222** or **444**). However, these exceptions still support checksum validation. In these cases, the checksum value will be a combination of three (**3**) digits. And each checksum will contain the same three (**3**) digits, but not necessarily in the same order.

The table below demonstrates standard and checksum calculations on one of these exceptions. Note that the target value is the same value as Plato's War Chariot. Also note that the resulting three (**3**) digits are in numeric progression (**sequential**).

The Anunnaki Checksum Calculation
$222,011,222,334 = \mathbf{222} + \mathbf{011} + \mathbf{222} + \mathbf{334} = \mathbf{789}$
$222,011,222,334 = \mathbf{022} + \mathbf{201} + \mathbf{122} + \mathbf{233} + \mathbf{400} = \mathbf{978}$
$222,011,222,334 = \mathbf{002} + \mathbf{220} + \mathbf{112} + \mathbf{223} + \mathbf{340} = \mathbf{897}$
$digits = \mathbf{7}, \mathbf{8}, \& \mathbf{9}$

# The Book of Revelation

## The Anunnaki Calculation: Plato's War Chariot

The table below demonstrates standard and checksum calculations for just the “remainder” of Plato’s War Chariot. That is,  $222,011,222,334 - 222,000,000,000 = 11,222,334 = \text{remainder}$ . Note that the resulting three (3) digits are in numeric progression (sequential) as well.

The Anunnaki Checksum Calculation
$11,222,334 = 011 + 222 + 334 = 567$
$11,222,334 = 001 + 122 + 233 + 400 = 756$
$11,222,334 = 112 + 223 + 340 = 675$
<i>digits = 5, 6, &amp; 7</i>

# The Book of Revelation

## The Anunnaki Calculation: Plato's War Chariot

The table below displays the ratio of the remainder (**11,222,334**) to the average orbital radius of Earth (**222,000,000,000**). Note that the reduced denominator is the product of  $3.7 \times 10^{10}$ .

Plato's War Chariot
$\frac{11,222,334}{222,000,000,000} = \frac{1,870,389}{37,000,000,000}$
$\frac{11,222,334}{6} = 1,870,389$
$\frac{222,000,000,000}{6} = 37,000,000,000$

# Section III:

## The Book of Life (DNA)

The following section examines some of the properties of the genetic code (DNA). These properties exhibit mathematical behavior that closely mirror the ant measurement system, the Anunnaki Calculation, and the P-Ratio. The purpose is to illustrate the mathematical and numerical relationships between DNA and various aspects of antediluvian civilization(s).

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# The Book of Life

“The beast that thou sawest was and is not; and shall ascend out of the bottomless pit and go into perdition: and they that dwell on the earth shall wonder, whose names were not written in **the book of life** from the foundation of the world, when they behold the beast that was, and is not, and yet is.

***Revelation 21:27***

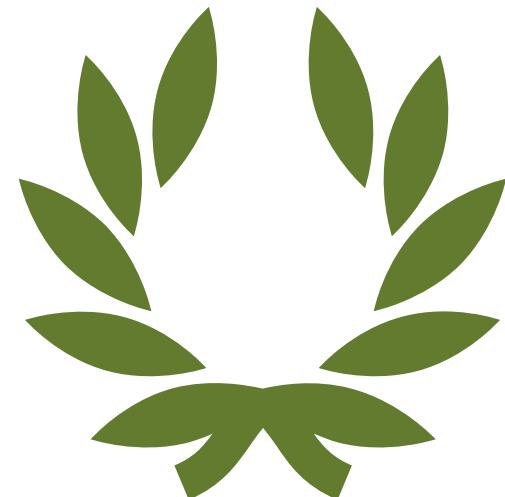
# The Book of Life

## Acknowledgements

Much of the information contained in this section is taken directly from the research of **Vladimir I. Shcherbak** and **Maxim A. Makukov**.

In **2012**, Shcherbak and Makukov released a research paper titled “**The ‘Wow! Signal’ of the terrestrial genetic code**”.

The title is in reference to a famous anomalous signal detected early in the SETI project (the **Search for Extra-Terrestrial Intelligence**).



# The Book of Life

## Acknowledgements

Their research examined the **existing systems** of organizing the genetic code. And building upon those systems, they found a “signal” (patterns and concepts) suggesting intelligence as well as the possibility of an embedded symbolic language.

This section will focus primarily on the **existing systems** of organizing the genetic code, but touches upon the “signal”.

Much of the text describing these systems is taken **directly** from the above-mentioned research paper.

However, some of the wording has been changed, so the relevant text will **not** be presented as direct quotes from said research material.



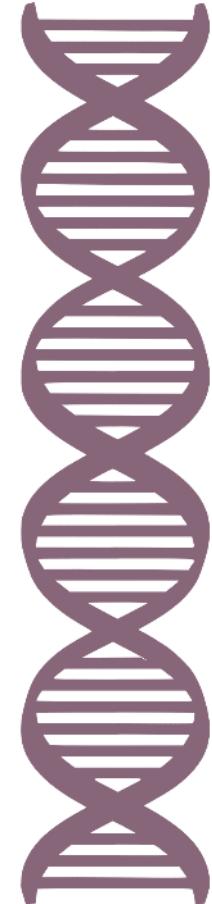
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# The Book of Life

## Genes and DNA

Genetics is the study of genes and tries to explain what they are and how they work. **Genes** are how living organisms inherit features or traits from their ancestors; for example, children usually look like their parents because they have inherited their parents' genes.

Genetics tries to identify which traits are **inherited** and explain how these traits are passed from generation to generation.



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# The Book of Life

## Genes and DNA

Genes are made from a long molecule called DNA, which is copied and inherited across generations. DNA is made of simple units that line up in a particular order within this large molecule. The order of these units carries genetic information, like how the order of letters on a page carries information.

The language used by DNA is called the genetic code, which lets organisms read the information in the genes. This information is the instructions for constructing and operating a living organism.

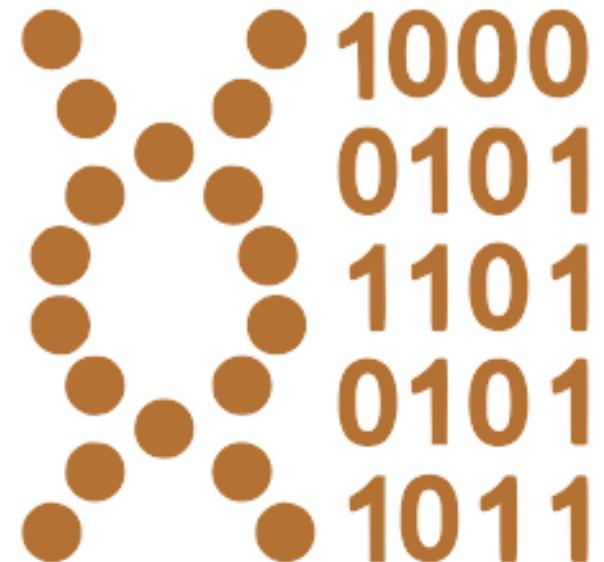


# The Book of Life

## The Genetic Code

The genetic code is the set of rules used by living cells to translate information encoded within genetic material (DNA or mRNA sequences of nucleotide triplets, or codons) into proteins.

Translation is accomplished by the ribosome, which links proteinogenic amino acids in an order specified by messenger RNA (mRNA), using transfer RNA (tRNA) molecules to carry amino acids and to read the mRNA three (3) nucleotides at a time.



# The Book of Life

## The Standard Genetic Code

The genetic code is highly similar among all organisms and can be expressed in a simple table with **64** entries (codons).

The image to the right shows this table. This is the “standard” or “universal” code.

		Second letter				Third letter
		U	C	A	G	
First letter	U	UUU } Phe UUC UUA } Leu UUG	UCU } Ser UCC UCA UCG	UAU } Tyr UAC UAA Stop UAG Stop	UGU } Cys UGC UGA Stop UGG Trp	U C A G
	C	CUU } Leu CUC CUA CUG	CCU } Pro CCC CCA CCG	CAU } His CAC CAA } Gln CAG	CGU } Arg CGC CGA CGG	U C A G
	A	AUU } Ile AUC AUA } Met AUG	ACU } Thr ACC ACA ACG	AAU } Asn AAC AAA } Lys AAG	AGU } Ser AGC AGA AGG } Arg	U C A G
	G	GUU } Val GUC GUA GUG	GCU } Ala GCC GCA GCG	GAU } Asp GAC GAA } Glu GAG	GGU } Gly GGC GGA GGG	U C A G

The Standard Genetic Code

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# The Book of Life

## The Contracted Genetic Code

The image to the right illustrates the “contracted code”.

This is the standard genetic code with “redundancies” removed.

		Start		Stop			
		Phe	Leu	Ser	Tyr	Cys	Trp
1st	1st	T	T	T	T	T	T
	3rd	T	T	C	A	G	G
		Y	R	N	Y	R	H
Leu		Pro		His Gln		Arg	
C		C		C		C	
T		C		A		G	
N		N		Y		N	
		Start					
Ile		Met		Thr Asn Lys Ser Arg			
A		A		A		A	
A		T		A		G	
T		T		A		G	
H		G		Y		Y	
		Val		Ala Asp Glu		Gly	
		G		G		G	
		T		C		G	
		N		A		G	
				Y		N	

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# The Book of Life

## Rumer's Bisection

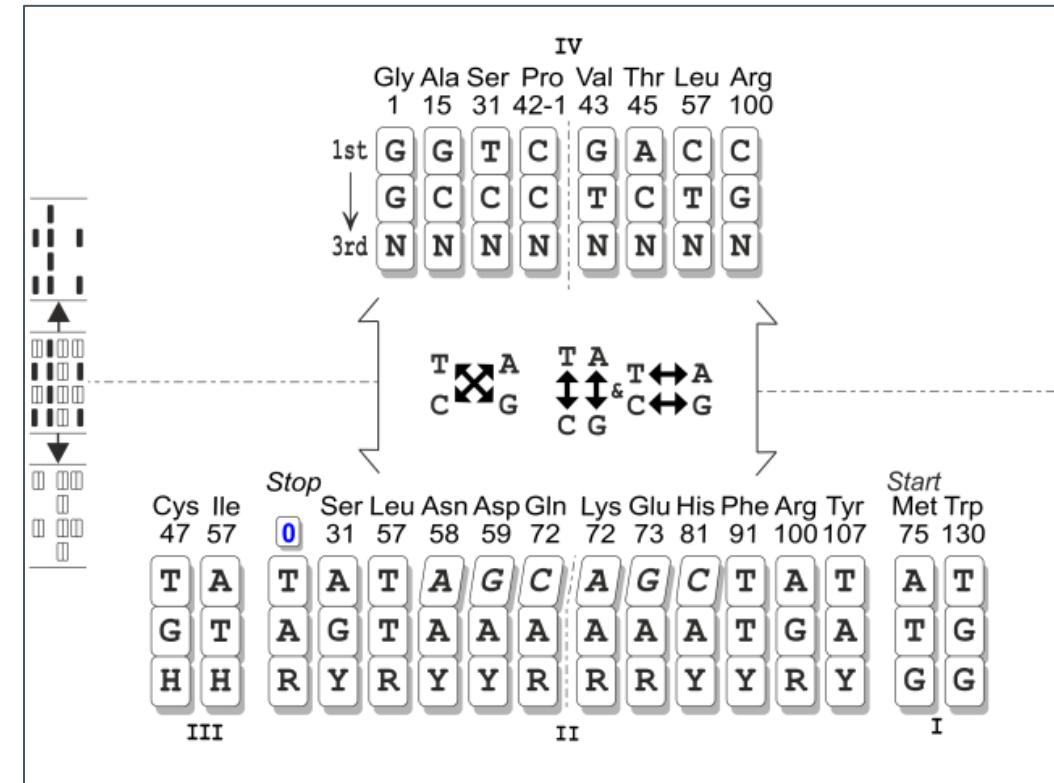
Yury Borisovich Rumer (1966) bisected the code by redundancy.

There are **8** whole families and **8** split families in the code.

Rumer found that codons in these families are mapped to each other in a one-to-one fashion with a simple relation:

$$T \leftrightarrow G, C \leftrightarrow A,$$

This is now known as Rumer's transformation.



Rumer's Bisection

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# The Book of Life

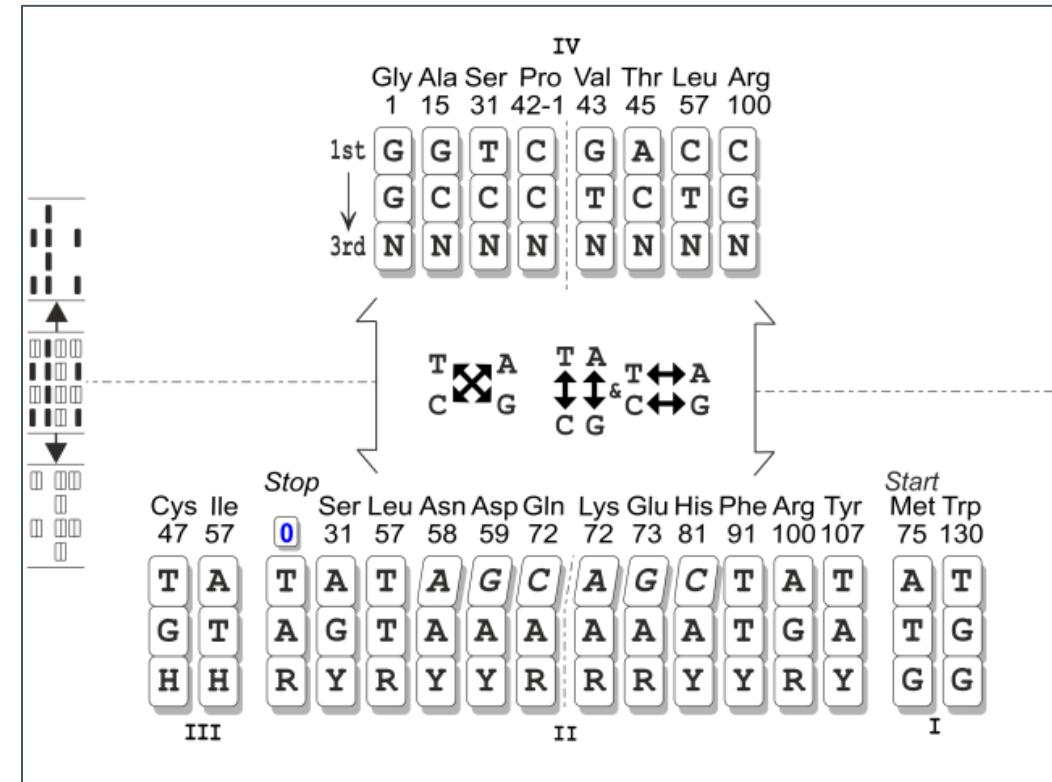
## Rumer's Bisection

There are two more transformations of such type:

$$T \leftrightarrow C, A \leftrightarrow G$$

$$T \leftrightarrow A, C \leftrightarrow G$$

They also appear in Rumer's bisection, and each makes half of what Rumer's transformation makes alone.



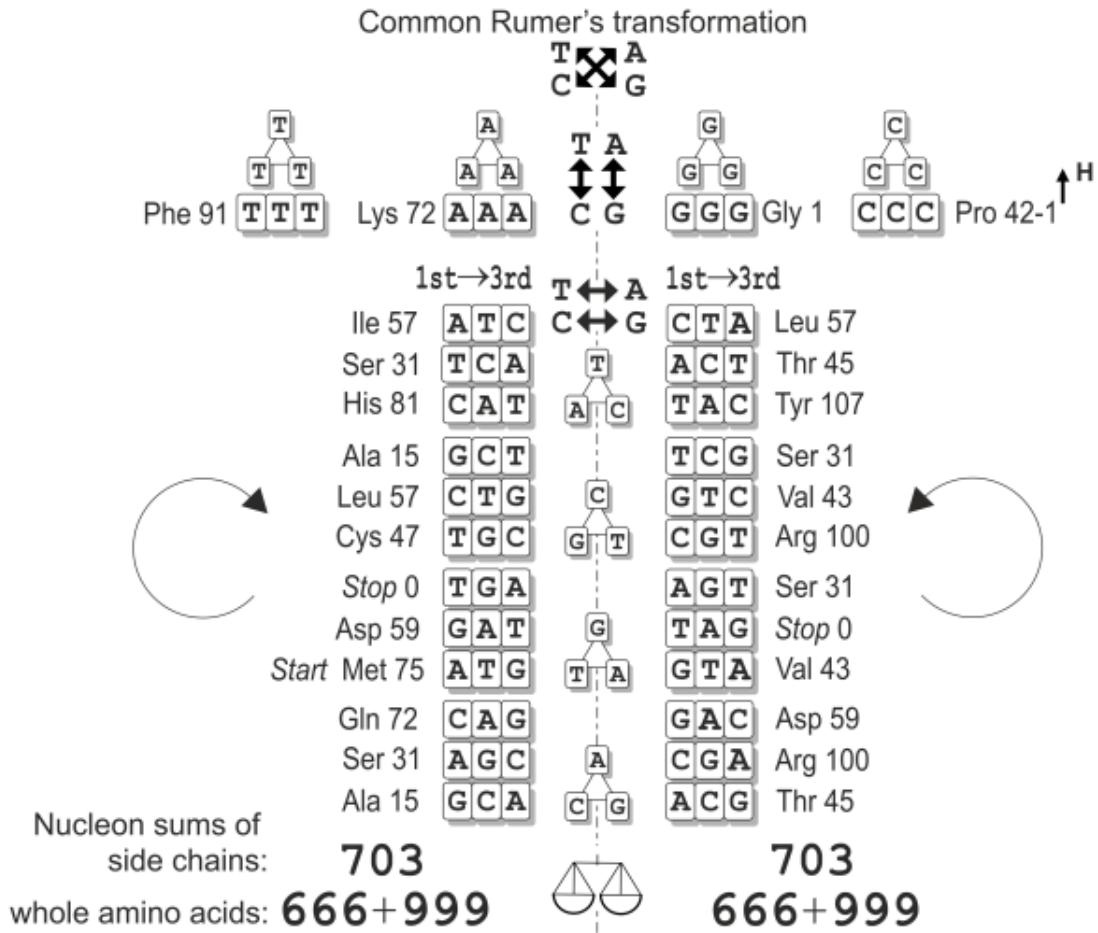
Rumer's Bisection

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# The Book of Life

## Rumer's Bisection

The image below illustrates a common Rumer's transformation with the nucleon and amino acid sums in decimal "format".



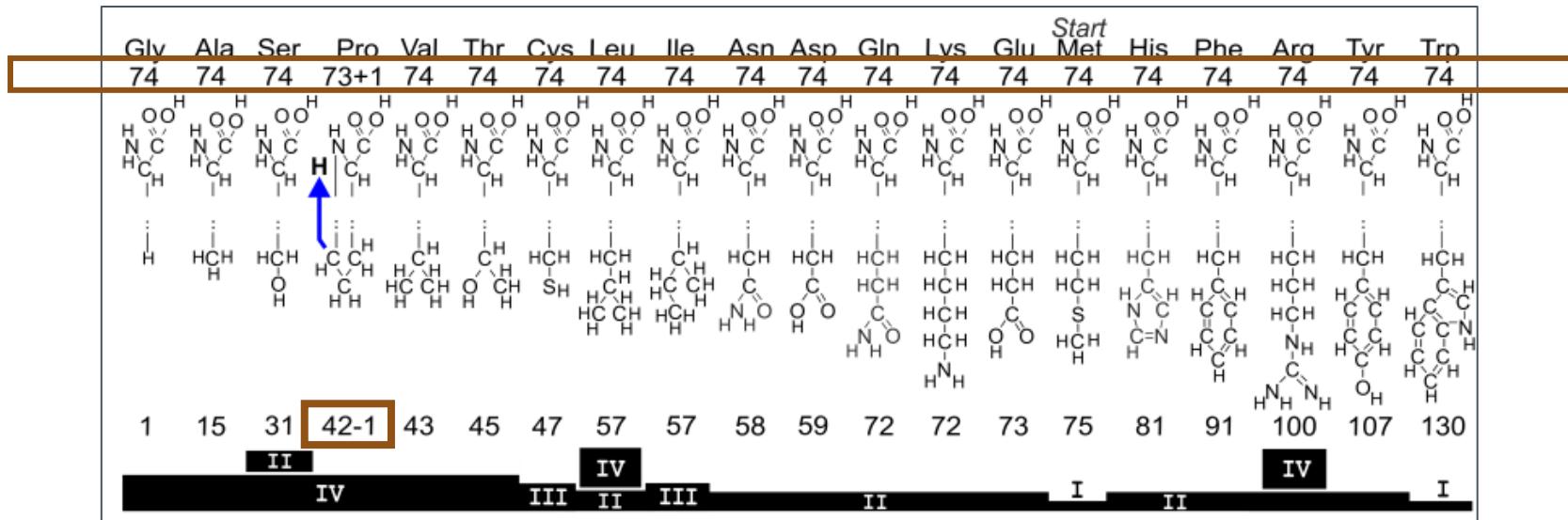
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# The Book of Life

## Amino Acid Nucleons

Masami Hasegawa and Takashi Miyata (1980) arranged amino acids in order of increasing nucleon number which, unlike other amino acid properties, does not rely on arbitrarily chosen system of units.

The image below shows this arrangement. Note the repetitive occurrence of the number **74** (*Earth average orbit = 7.4 pr*). Also note the proline transfer of **42 – 1 = 41** (**41 pr = Jupiter Max Orbit**).

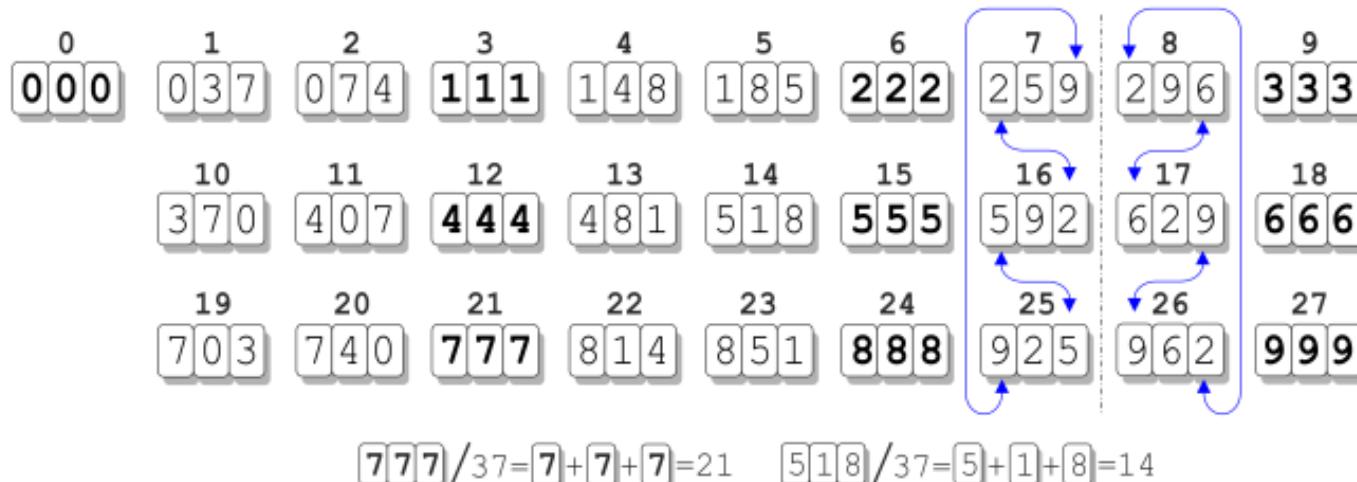


# The Book of Life

## Decimalism

Arithmetical patterns should hold true in any numeral system (*base* – 10, *base* – 12, etc.). However, as it turns out, when expressed in positional decimal system (**base – 10**), the genetic code acquires a conspicuously distinctive (and familiar) notation.

The image below shows a portion of the genetic code expressed in positional decimal system (*base* – 10). Note the occurrence of triplets with identical digits (**111**, **222**, etc.).



# The Book of Life

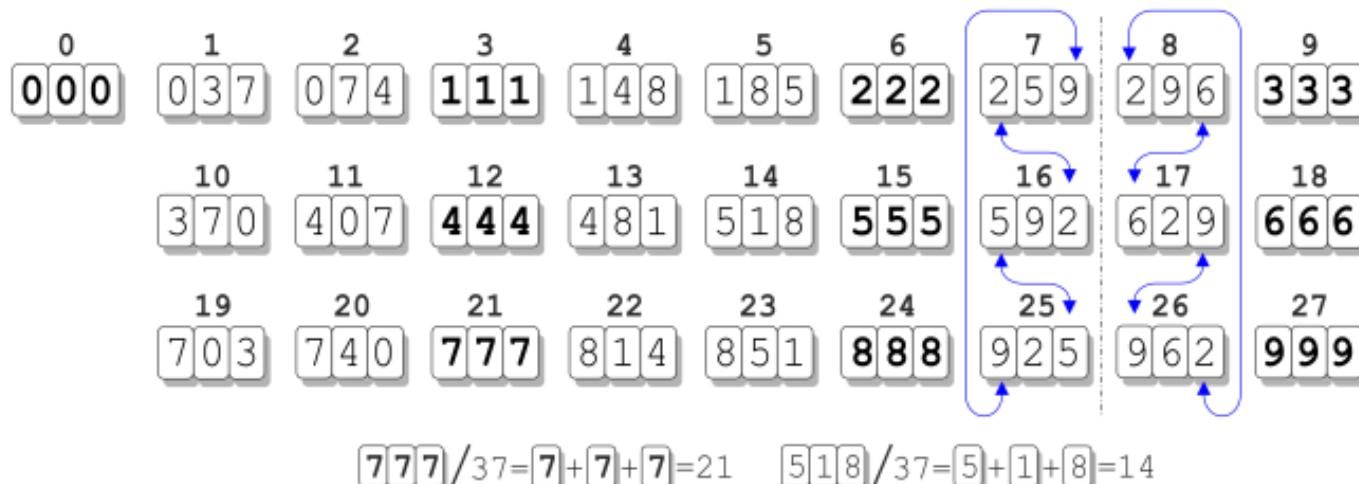
## Decimalism

The genetic code (in positional decimal system) exhibits the digital symmetry of decimals divisible by 037.

*37 pr = Jupiter Minimum Orbit*

*$3.7 \times 2 = 7.4$  pr = Earth Average Orbit*

Leading zero emphasizes its equal participation in the symmetry.



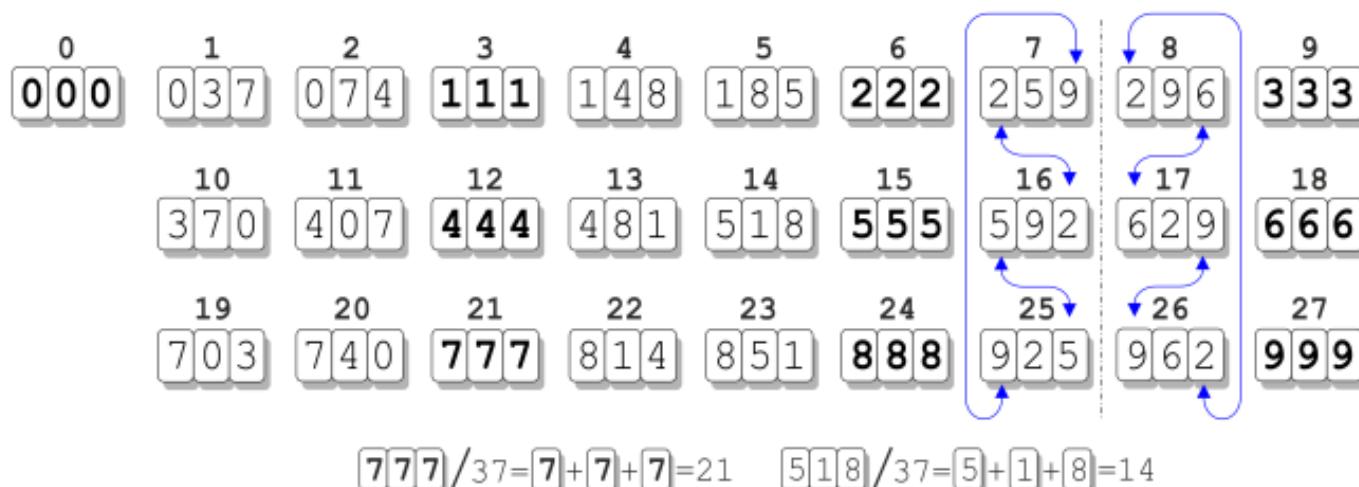
# The Book of Life

## Decimalism

All three-digit decimals with identical digits (**111**, **222**, **333**, **444**, **555**, **666**, **777**, **888**, and **999**) are divisible by **037**.

In addition, the sum of three identical digits gives the quotient of the number divided by **037**.

Note that the **cubit** represents the length from the elbow to the tip of the middle finger (of a human) and the ratio of this length to the height of the measured individual is **3.7**.



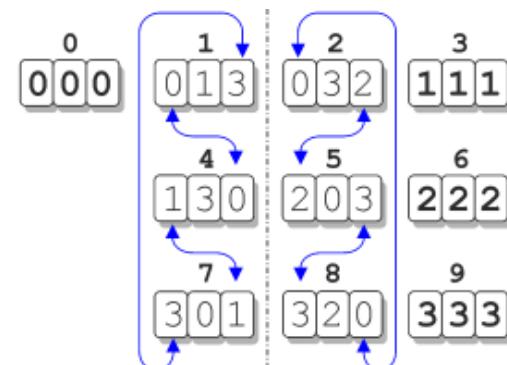
# The Book of Life

## Decimalism and the Anunnaki Calculation

Analogous sum for numbers with unique digits gives the central quotient in the column. Digits in these numbers are interconnected with cyclic permutations that are mirror symmetrical in neighbor columns. Addition instead of division provides an efficient way to perform checksums.

The scheme extends to decimals with more than three digits, if they are represented as  $a + 999 \times n$ , where  $n$  is the quotient of the number divided by 999 and  $a$  is the remainder, to which the same symmetry then applies (for three-digit decimals  $n = 0$ ).

*This scheme is identical to the Anunnaki Calculation.*



Quaternary **013** and **320** = Decimal 7 and 63

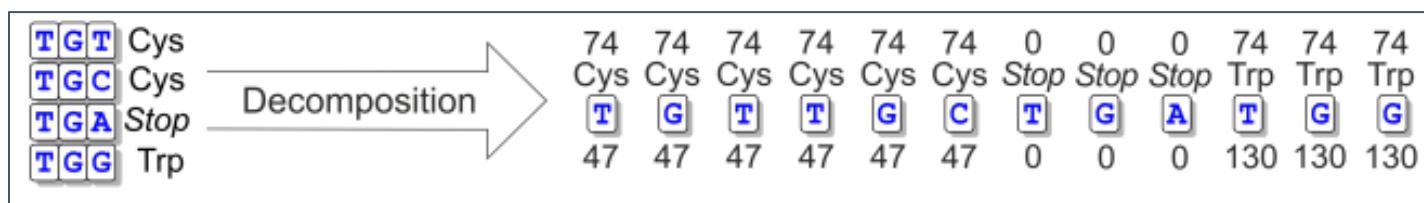
# The Book of Life

## The Decomposed Standard Code

Another arrangement of the code is brought about by decomposition of its **64** full-size codons. This yields **192** separate bases and reveals a pattern of the same type as in full-size format.

Identical bases make up four sets of **48** bases in each (*yax'xu calibration value = 48,000,000*). Each base retains the amino acid or **Stop** of its original codon. Thus, the four sets get their individual chain and block nucleon sums.

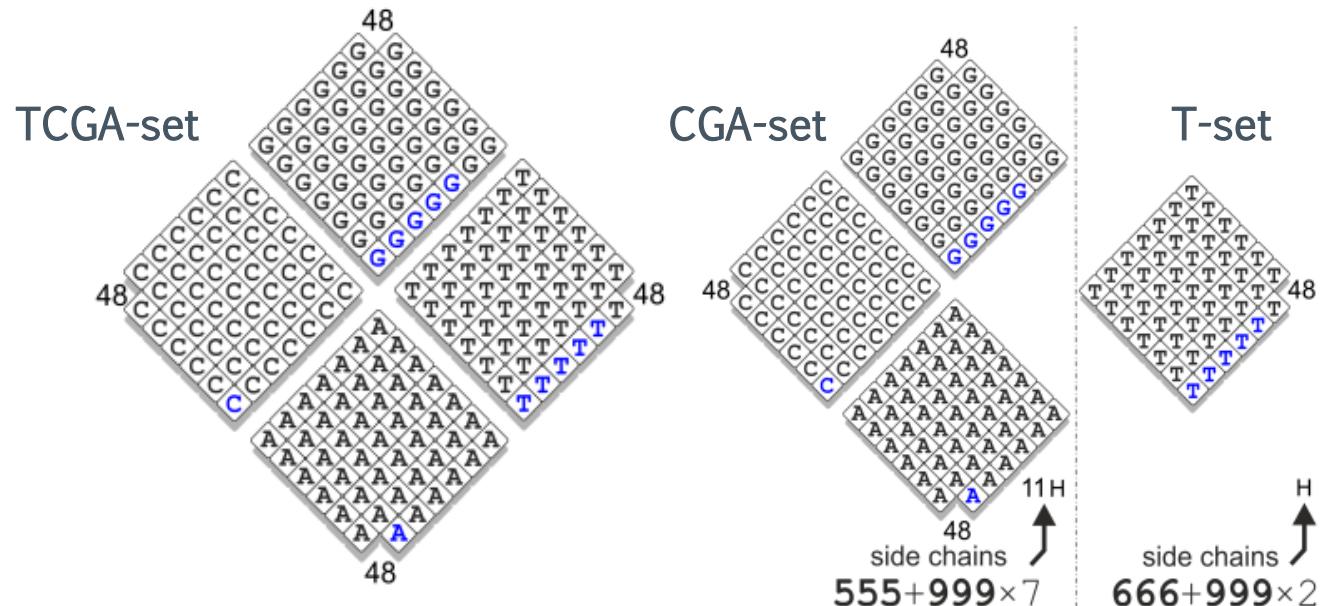
The image below shows the decomposed standard code for one family of codons. Note the repetitive occurrence of the number **74**.



# The Book of Life

## The Decomposed Standard Code

In total, there are **222 + 999 × 10** side chain nucleons in the decomposed code. Only one combination of the four sets displays distinctive decimalism of side chain nucleon sums. These are **666 + 999 × 2** nucleons in the T-set and **555 + 999 × 7** nucleons in the joint CGA-set.

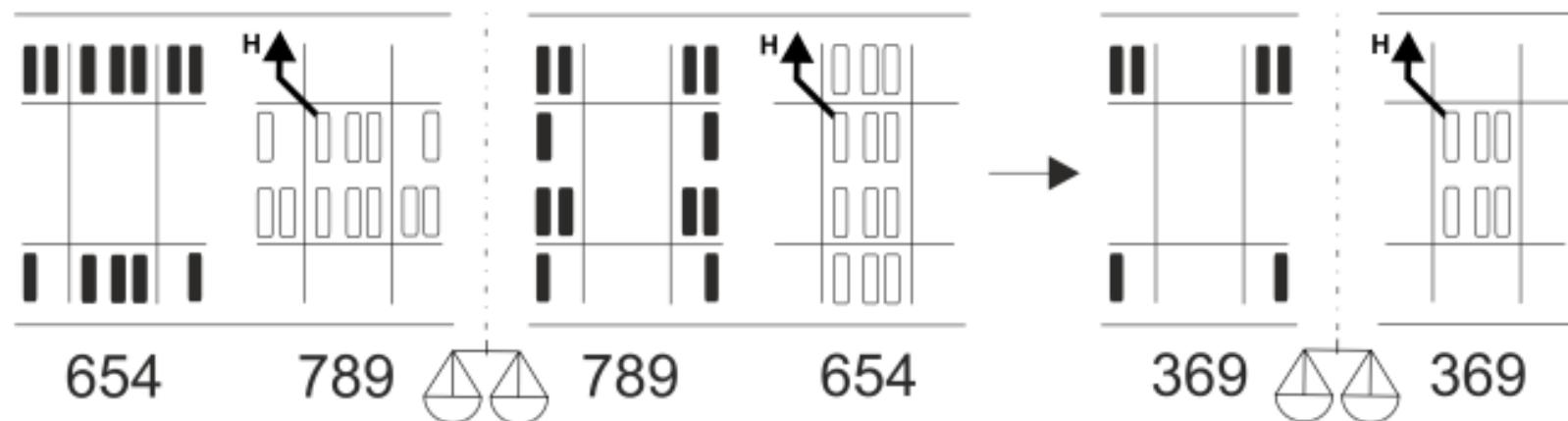


# The Book of Life

## Arithmetical Pattern

An arithmetical pattern is found when the “contracted code” is divided according to whether first bases are K or M (left) or whether central bases are K or M (center). Both divisions produce halves with identical chain nucleon sums.

As algebraic consequence of these divisions, series with K in first and central positions and series with M in first and central positions are chain-balanced (right). Each of the three divisions is accompanied by half-transformations and remarkably, also produces equal numbers of series in each half.



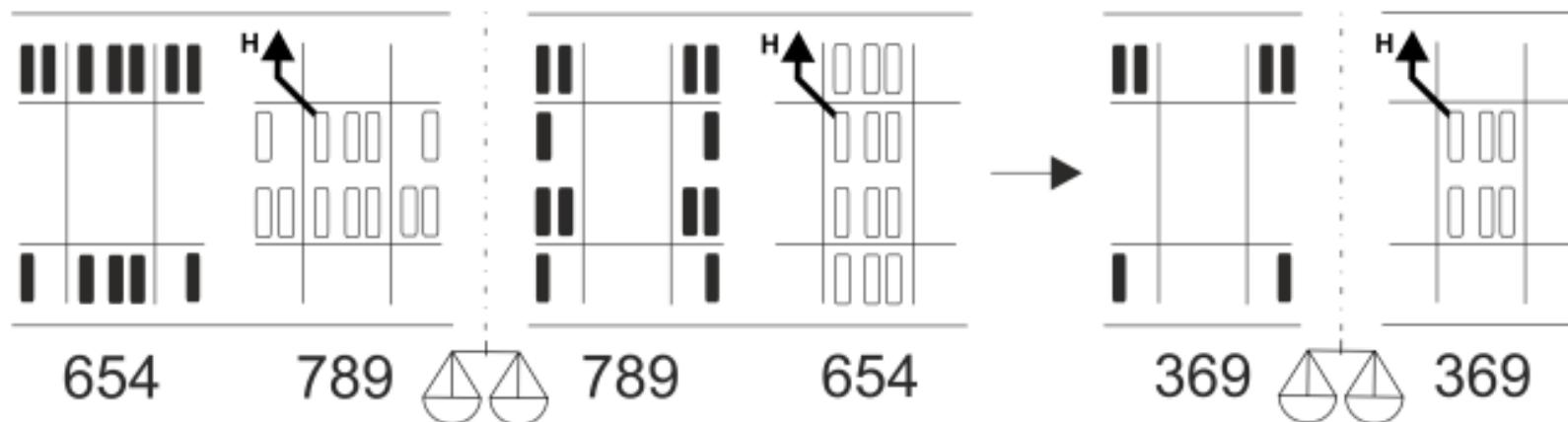
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# The Book of Life

## Arithmetical Pattern

This pattern is the only one that shows no divisibility by **037**.

However, all three numbers – **654**, **789** and **369** – are again specific in decimal notation where digits in each of them appear as arithmetic progressions (**sequential**).



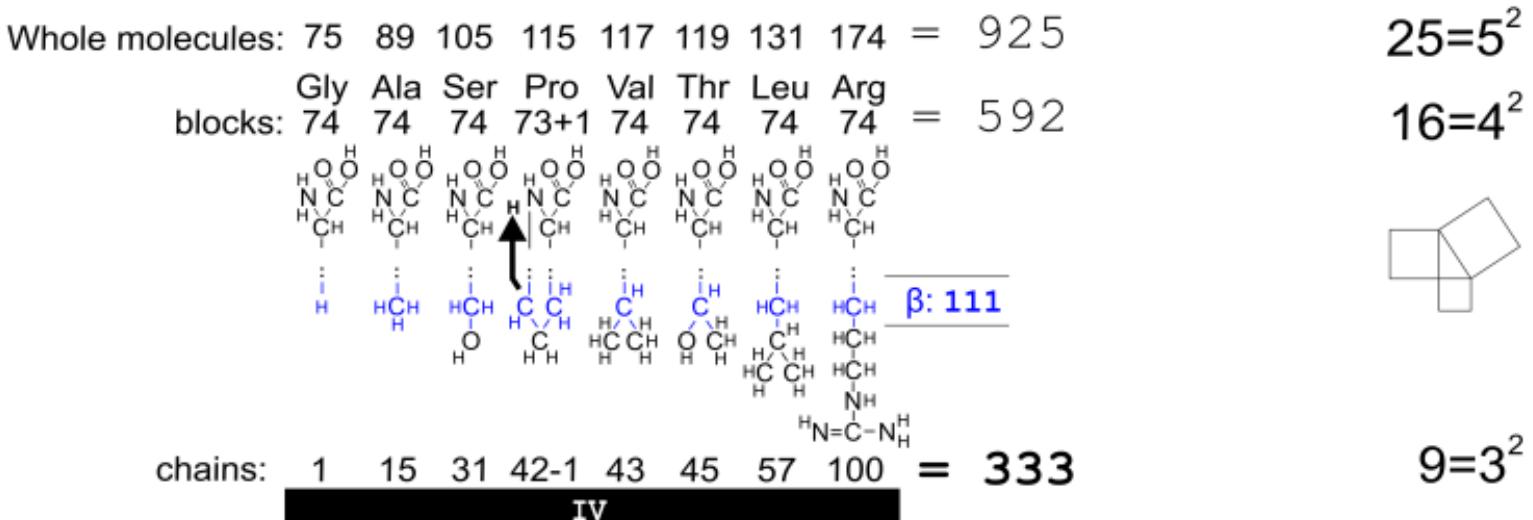
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# The Book of Life

Arithmetical Pattern: The Egyptian Triangle

Another arithmetical pattern is illustrated in the image below.

In this “contracted code“ set, there are **333** chain and **592** block nucleons and  $333 + 592 = 925$  nucleons of whole molecules.



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# The Book of Life

## Arithmetical Pattern: The Egyptian Triangle

With **037** cancelled out, this leads to  $3^2 + 4^2 = 5^2$ , which is a numerical representation of the Egyptian triangle (a right triangle of sides 3:4:5 and exhibits the golden ratio) possibly as a symbol of two-dimensional space.

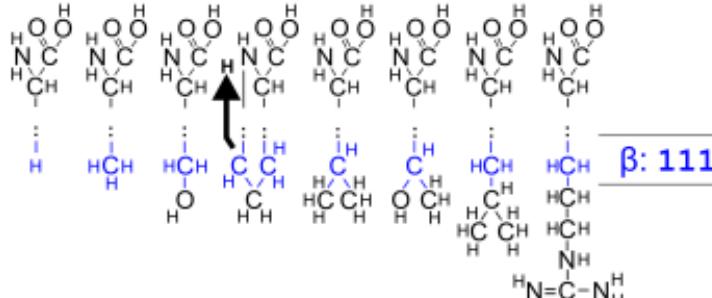
Incidentally, codon series in the ideogram are arranged in the plane rather than linearly in a genomic fashion.

Whole molecules: 75 89 105 115 117 119 131 174 = 925

$$25=5^2$$

blocks: 74 74 74 73+1 74 74 74 74 = 592

$$16=4^2$$



chains: 1 15 31 42-1 43 45 57 100 = 333

$$9=3^2$$

IV



# The Book of Life

## Two-Dimensional Data

The table to the right is a simple multiplication table. It displays the products of the numbers **1 – 10**.

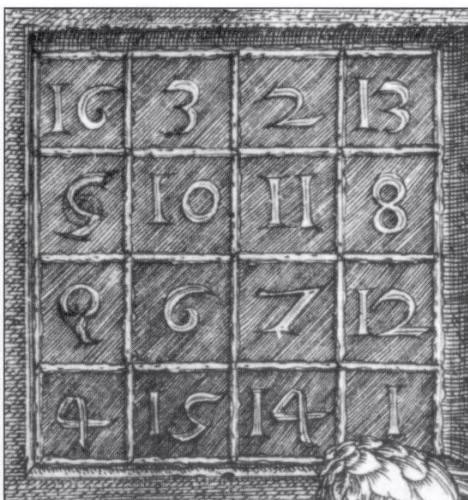
This tabular data is considered two-dimensional.

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

# The Book of Life

## Two-Dimensional Data

Any data structure consisting of a virtual x and y axis is two-dimensional.



	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

# The Book of Life

## Two-Dimensional Data

“Embedded” in this simple table is the value for Plato’s War Chariot (the remainder).

This value is highlighted in red and can be found in the number 4 column, starting on the third row.

At that starting position and working down the number 4 column, the first digit of each number is used to construct the value.

**11,222,334**

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

# The Book of Life

## Two-Dimensional Data

Also embedded in this table is the value **6048**. This represents the orbital radius of the **Moon** in sacred cubits.

**604,800,000 sc**

This value can also represent the calibration values of the ant and the yax'xu, respectively.

**60,000,000 a**

**48,000,000 y**

However, the appearance of those calibration values independently are statistically inevitable in this table.

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	1 6	20	24	28	32	36	40
5	5	10	15	2 0	25	30	35	40	45	50
6	6	12	18	2 4	30	36	42	48	54	60
7	7	14	21	2 8	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

# The Book of Life

## Two-Dimensional Data

Many of the “unique” nucleon sums in the genetic code are also embedded within this table.

Listed below are a few of these values.

**369**

**925**

**814**

**703**

**456**

**789**

Their color corresponds to the color of their highlighted number in the table to the right. **369** and **925** “share” the **9** (possible data pivot point).

	1	2	3	4	5	6	7	8	9	10
1	1	2	<b>3</b>	4	5	6	7	8	9	10
2	2	4	<b>6</b>	8	10	12	14	16	18	20
3	3	6	<b>9</b>	12	15	18	21	24	27	30
4	4	8	<b>1 2</b>	16	20	24	28	32	36	40
5	5	10	<b>1 5</b>	20	25	30	35	40	45	50
6	6	12	<b>1 8</b>	24	30	36	42	<b>4 8</b>	54	60
7	7	14	<b>2 1</b>	28	35	42	49	<b>5 6</b>	63	70
8	8	16	<b>2 4</b>	32	40	48	56	<b>6 4</b>	<b>7 2</b>	80
9	9	18	<b>2 7</b>	36	45	54	63	72	<b>8 1</b>	90
10	10	20	<b>3 0</b>	40	50	60	70	80	<b>9 0</b>	100

# The Book of Life

## Two-Dimensional Data

The way the values are extracted by “slicing” numbers from the data table may be an indication of data structures embedded within the genetic code.

These structures would require data transformations and logical groupings of numbers from the code. These transformations/groupings are not known at this time.

However, these “known” embedded values could serve as a starting point for developing a method for extracting or constructing any embedded data structures within the genetic code.

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

# Section IV:

## Neighbors

The following section examines the ***Kepler – 90*** and ***TRAPPIST – 1*** planetary systems, which are in the same region of the Milky Way Galaxy as Earth. The purpose is to compare the configuration of these planetary systems with Earth's planetary system (the solar system) as well as their orbital alignments with the geography of Atlantis.

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# Neighbors

## Multiplanetary Systems

From the total of **3,670** stars known to have exoplanets (as of **March 2, 2022**), there are a total of **813** known multiplanetary systems, or stars with at least three confirmed planets.

The star with the most *candidate* planets is **HD 10180**, with a maximum of **9** planets – **6** confirmed and **3** candidates.

Star System	Number of Planets
Sol (Sun)	<b>8</b>
Kepler-90	<b>8</b>
TRAPPIST-1	<b>7</b>
Kepler-20	<b>6</b>
HD 10180	<b>6</b> confirmed ( <b>3</b> candidates)
HD 34445	<b>6</b>
HD 40307	<b>6</b>
HR 8832	<b>6</b>
K2-138	<b>6</b>
TOI-178	<b>6</b>

# Neighbors

## Multiplanetary Systems

The stars with the most *confirmed* planets are **Sol** (the Solar System's star, also referred to as the Sun) and ***Kepler* – 90** with **8** confirmed planets each, followed by ***TRAPPIST* – 1** with **7** planets.

This section will examine the ***Kepler* – 90** and ***TRAPPIST* – 1** planetary systems.

Star System	Number of Planets
Sol (Sun)	8
Kepler-90	8
TRAPPIST-1	7
Kepler-20	6
HD 10180	6 confirmed (3 candidates)
HD 34445	6
HD 40307	6
HR 8832	6
K2-138	6
TOI-178	6

# Neighbors

## Kepler-90

Kepler-90 is a G-type main sequence star located  $\sim 2,840$  light-years ( $\sim 870$  pc) from Earth in the constellation of Draco. It is notable for possessing a planetary system that has the same number of observed planets as the Solar System.

Kepler-90 Distance from Earth
<b><math>2,840</math> ly</b>
<b><math>P - Ratio = 1.323 \times 10^9</math></b>
<b><math>3.968 \times 10^{19}</math> la</b>

Planet	Circumference	Orbit P-Ratio
Kepler-90a (Star)	$7.860 \times 10^9 a$	<b><i>N/A</i></b>
Kepler-90b	$7.860 \times 10^7 a$	<b><i>0.553 pr</i></b>
Kepler-90c	$7.080 \times 10^7 a$	<b><i>0.665 pr</i></b>
Kepler-90i	$7.920 \times 10^7 a$	<b><i>0.800 pr</i></b>
Kepler-90d	$1.728 \times 10^8 a$	<b><i>2.390 pr</i></b>
Kepler-90e	$8.010 \times 10^7 a$	<b><i>3.137 pr</i></b>
Kepler-90f	$1.734 \times 10^8 a$	<b><i>3.586 pr</i></b>
Kepler-90g	$4.878 \times 10^8 a$	<b><i>5.304 pr</i></b>
Kepler-90h	$6.792 \times 10^8 a$	<b><i>7.47 pr</i></b>

# Neighbors

## Kepler-90

Kepler-90's **8** known planets all have periods that are **very close** to being in integer ratio relationships with other planets' periods; that is, they are close to being in **orbital resonance**.

The period ratios b:c, c:i and i:d are close to **4: 5, 3: 5** and **1: 4**, respectively and d, e, f, g and h are close to a **2: 3: 4: 7: 11** period ratio. Planets f, g and h are also close to a **3: 5: 8** period ratio.

Planet	Circumference	Orbit P-Ratio
Kepler-90a (Star)	$7.860 \times 10^9 a$	<b>N/A</b>
Kepler-90b	$7.860 \times 10^7 a$	<b>0.553 pr</b>
Kepler-90c	$7.080 \times 10^7 a$	<b>0.665 pr</b>
Kepler-90i	$7.920 \times 10^7 a$	<b>0.800 pr</b>
Kepler-90d	$1.728 \times 10^8 a$	<b>2.390 pr</b>
Kepler-90e	$8.010 \times 10^7 a$	<b>3.137 pr</b>
Kepler-90f	$1.734 \times 10^8 a$	<b>3.586 pr</b>
Kepler-90g	$4.878 \times 10^8 a$	<b>5.304 pr</b>
Kepler-90h	$6.792 \times 10^8 a$	<b>7.47 pr</b>

P-Ratio (pr) values are rounded to the nearest half.

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# Neighbors

## Kepler-90

Note that Kepler-90d, Kepler-90f, Kepler-90g, and Kepler-90h share the same P-Ratio's as Mercury (min), Mercury (max), Venus, and Earth (respectively)

Kepler-90 Planet	Sol Planet	Orbit P-Ratio
Kepler-90a (Star)	N/A	N/A
Kepler-90b	N/A	0.5 pr
Kepler-90c	N/A	0.5 pr
Kepler-90i	N/A	1.0 pr
Kepler-90d	Mercury (min)	2.5 pr
Kepler-90e	N/A	3.0 pr
Kepler-90f	Mercury (max)	3.5 pr
Kepler-90g	Venus	5.5 pr
Kepler-90h	Earth	7.5 pr

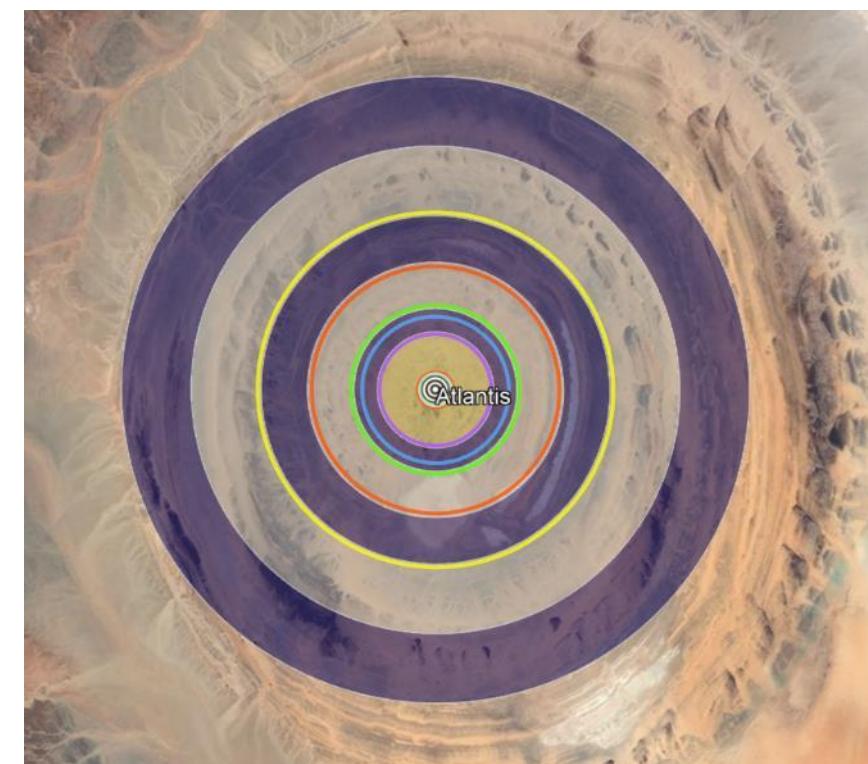
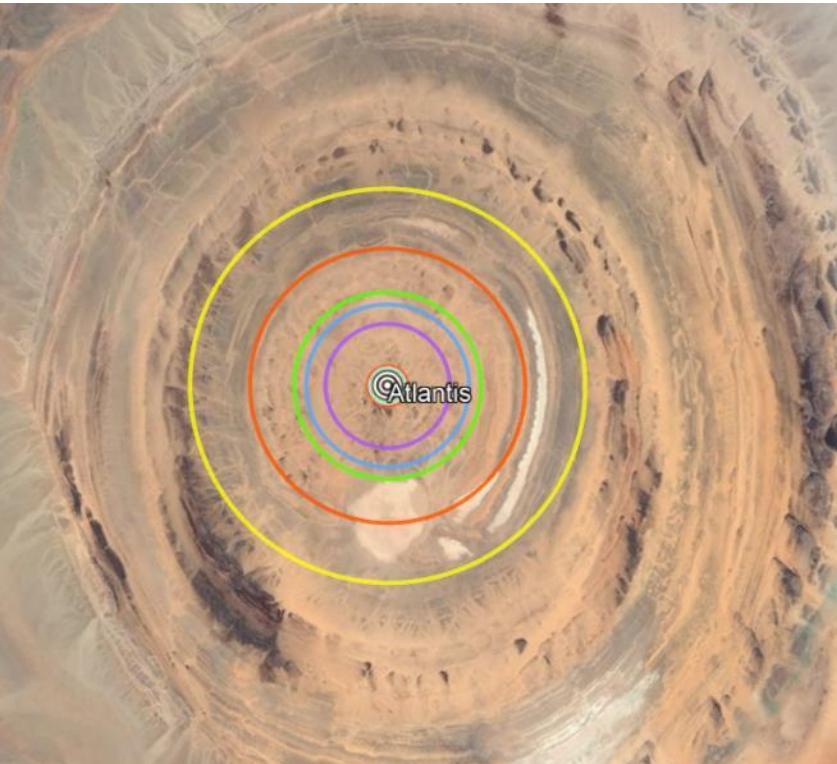
P-Ratio (pr) values are rounded to the nearest half.

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# Neighbors

## Kepler-90 Orbital Projection: Ants

The images below show the orbits of the Kepler-90 planetary system. Note their alignment with the zone boundaries of Atlantis.

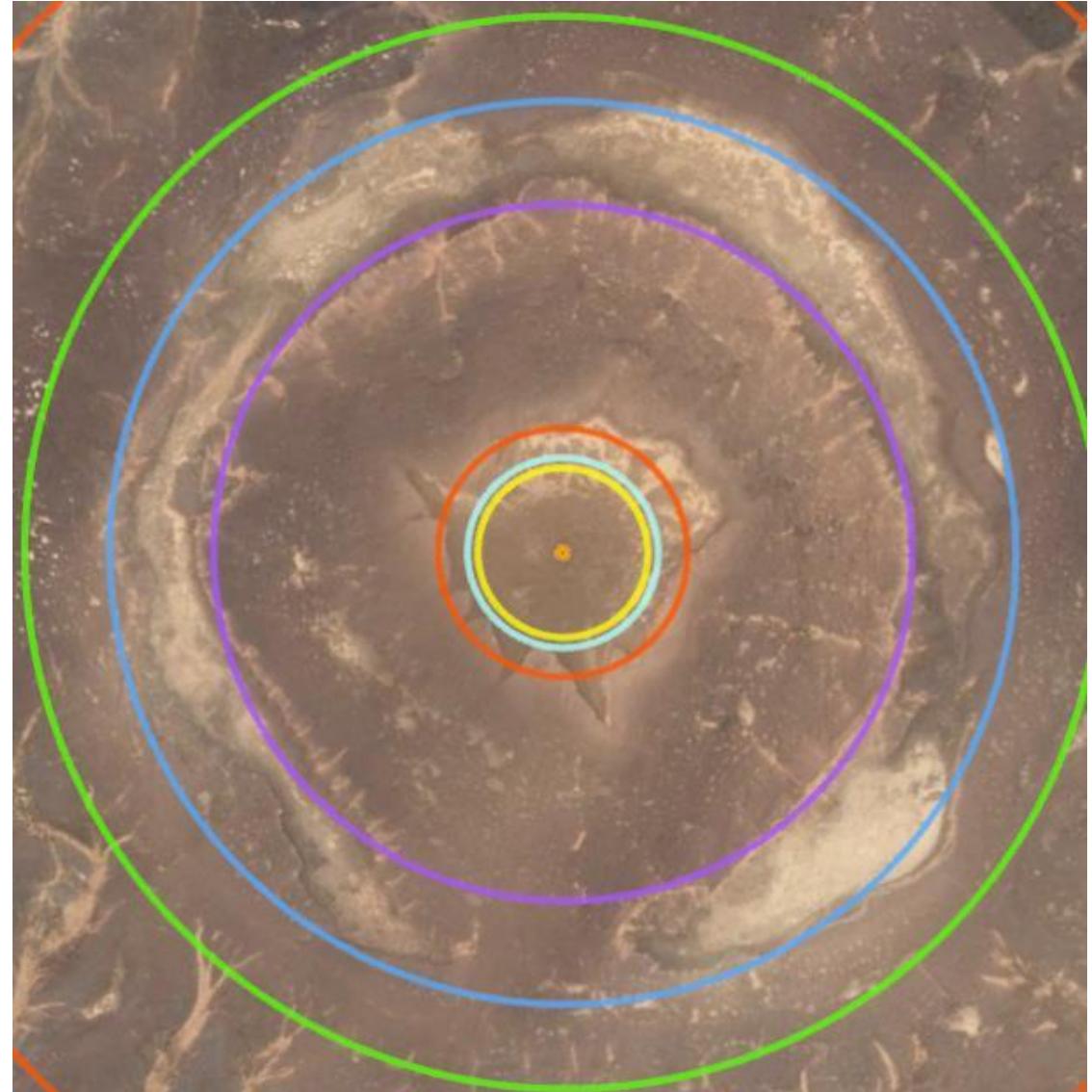


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# Neighbors

## Kepler-90 Orbital Projection: Ants

The image to the right shows the alignment of the orbits of the Kepler-90 planetary system with the Mountain of Saturn (structure at Atlantis).

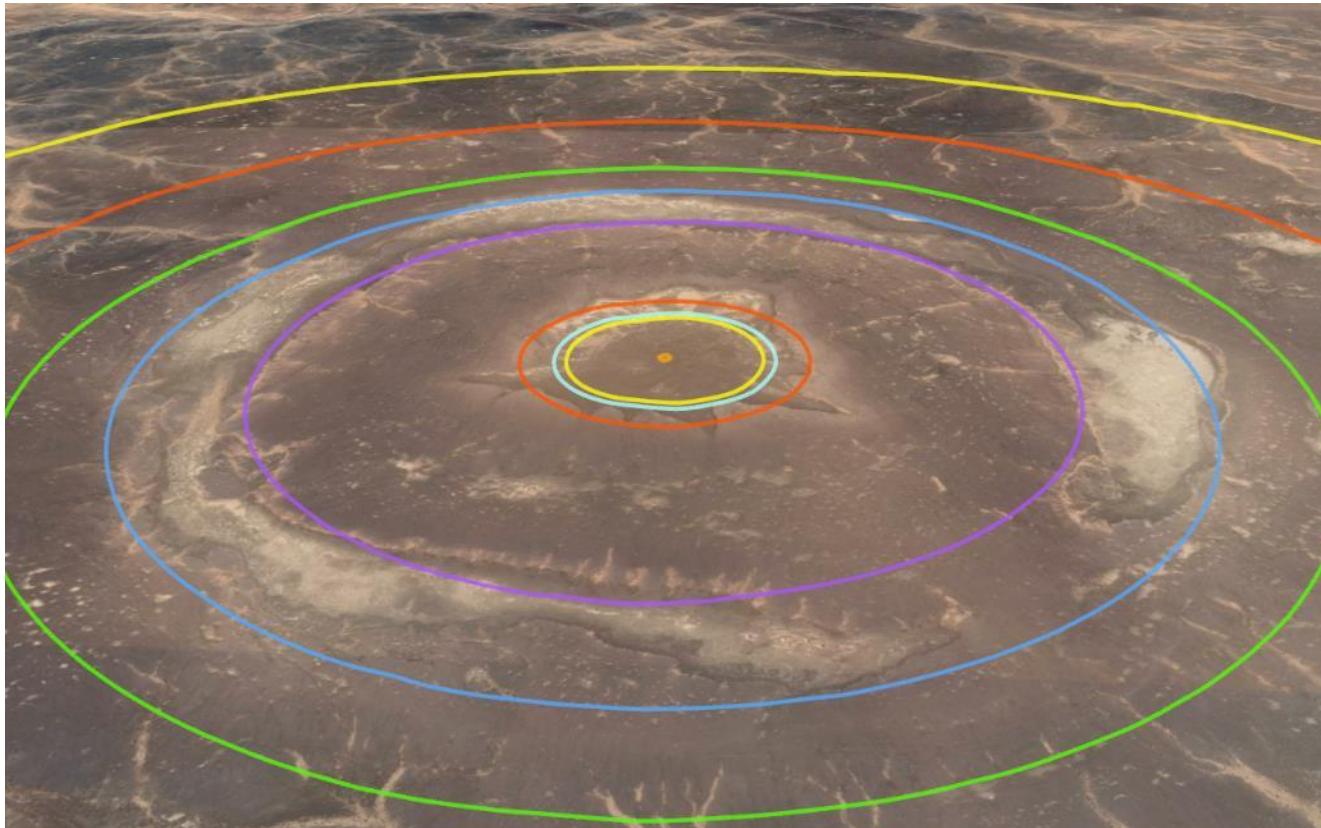


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# Neighbors

## Kepler-90 Orbital Projection: Ants

The image below shows the alignment of the orbits of the Kepler-90 planetary system with the Mountain of Saturn (structure at Atlantis).

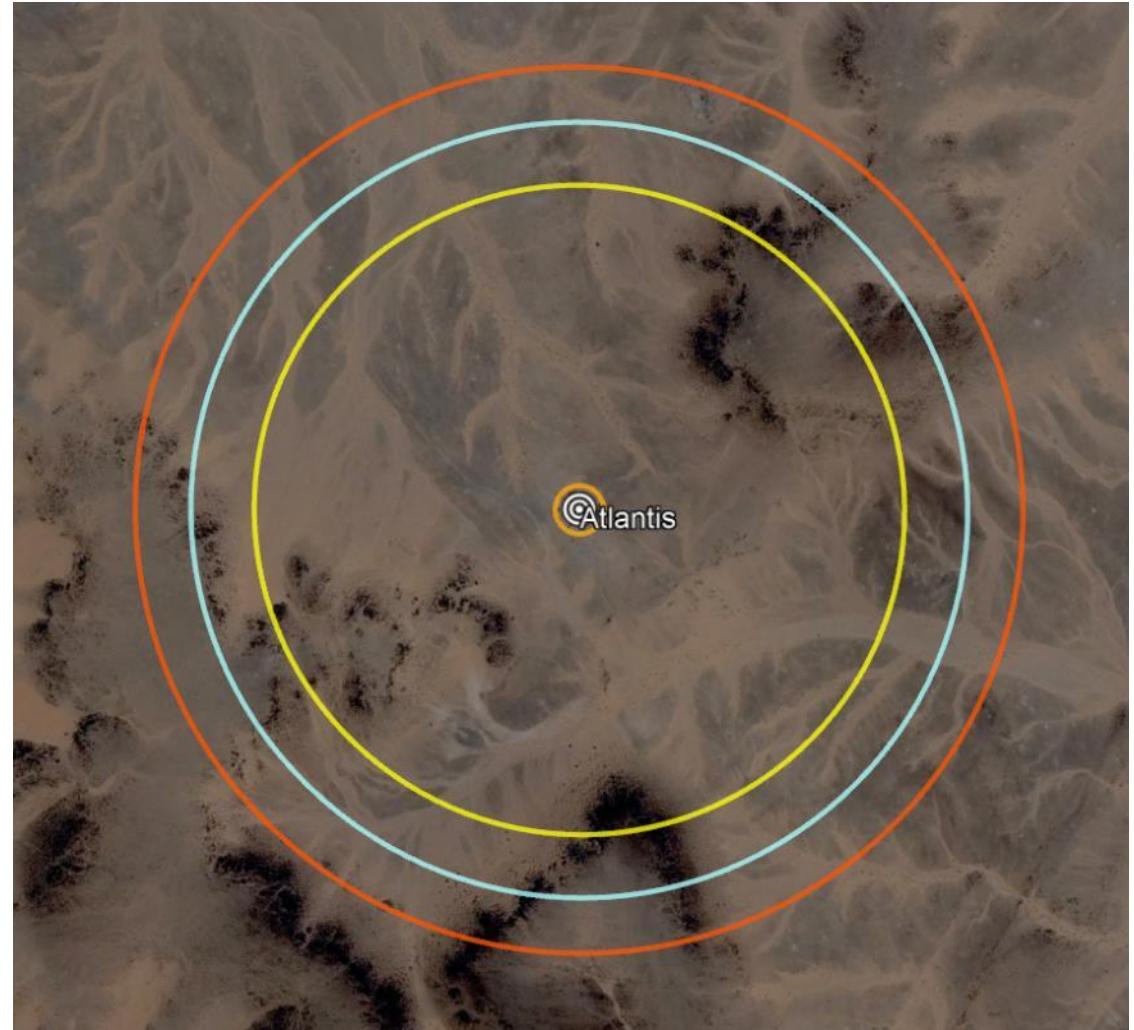


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# Neighbors

## Kepler-90 Orbital Projection: Ants

The image to the right shows the orbits of the inner planets of the Kepler-90 planetary system over the center island of Atlantis.



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## Neighbors

### Kepler-90 Orbital Projection: Ants

The image to the right shows the radius of Kepler-90a (star) over the center island of Atlantis.

Notes the star's circumference alignment with the existing structures at the center of the center island.



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# Neighbors

## TRAPPIST-1

TRAPPIST-1 is an ultra-cool red dwarf star in the constellation **Aquarius**. It has a mass of about **9%** that of the Sun. It is  $\sim$ **39** light-years (**12** parsecs) from the Sun and is estimated to be about **7.6** billion years old, making it older than the Solar System. The star was discovered in the year **2000**.

TRAPPIST-1 Distance from Earth
<b>39 ly</b>
<b><math>P - Ratio = 1.843 \times 10^7</math></b>
<b><math>5.528 \times 10^{17} la</math></b>

Planet	Circumference	Orbit P-Ratio
TRAPPIST-1 (Star)	$7.802 \times 10^8 a$	<b>N/A</b>
TRAPPIST-1b	$6.696 \times 10^7 a$	<b>0.086 pr</b>
TRAPPIST-1c	$6.582 \times 10^7 a$	<b>0.118 pr</b>
TRAPPIST-1d	$4.668 \times 10^7 a$	<b>0.166 pr</b>
TRAPPIST-1e	$6.696 \times 10^7 a$	<b>0.218 pr</b>
TRAPPIST-1f	$5.520 \times 10^7 a$	<b>0.288 pr</b>
TRAPPIST-1g	$6.774 \times 10^7 a$	<b>0.350 pr</b>
TRAPPIST-1h	$4.650 \times 10^7 a$	<b>0.462 pr</b>

# Neighbors

## TRAPPIST-1

In **2016** and **2017**, observations with numerous space- and ground-based telescopes, including the Transiting Planets and Planetesimals Small Telescope (TRAPPIST) telescope at La Silla Observatory, led to the discovery of initially **3**, then **7** terrestrial planets around the star.

The orbital periods have *precise* numerical ratios of **8:5, 5:3, 3:2, 3:2, 4:3, and 3:2**.

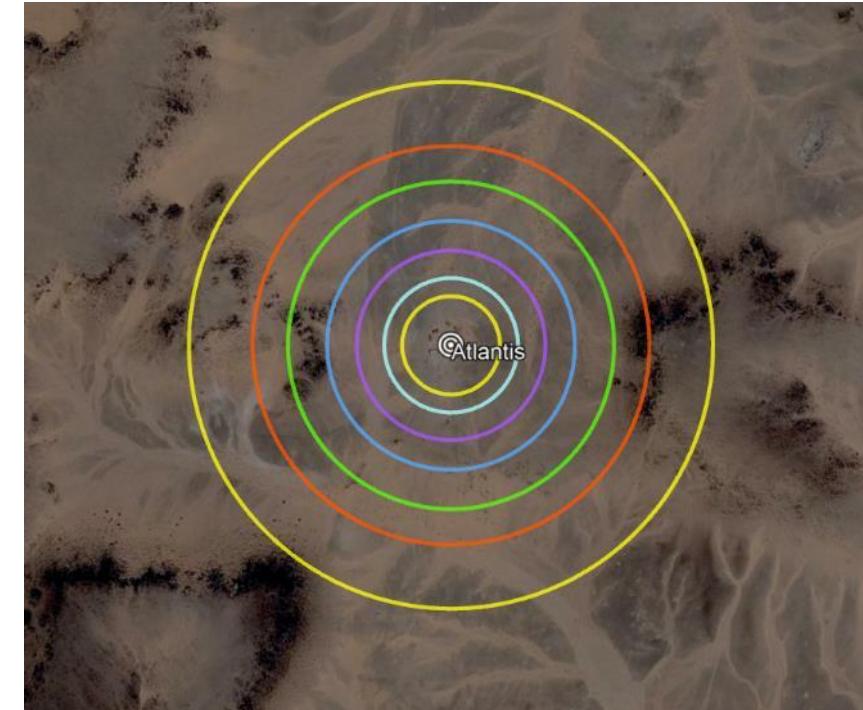
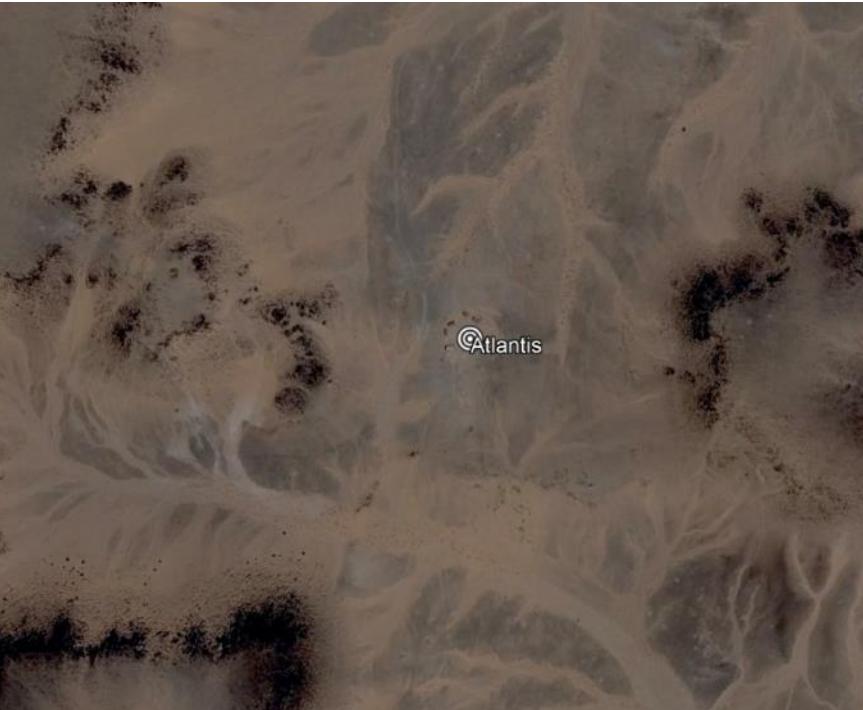
Planet	Circumference	Orbit P-Ratio
TRAPPIST-1 (Star)	$7.802 \times 10^8 a$	<b>N/A</b>
TRAPPIST-1b	$6.696 \times 10^7 a$	<b>0.086 pr</b>
TRAPPIST-1c	$6.582 \times 10^7 a$	<b>0.118 pr</b>
TRAPPIST-1d	$4.668 \times 10^7 a$	<b>0.166 pr</b>
TRAPPIST-1e	$6.696 \times 10^7 a$	<b>0.218 pr</b>
TRAPPIST-1f	$5.520 \times 10^7 a$	<b>0.288 pr</b>
TRAPPIST-1g	$6.774 \times 10^7 a$	<b>0.350 pr</b>
TRAPPIST-1h	$4.650 \times 10^7 a$	<b>0.462 pr</b>

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# Neighbors

## TRAPPIST-1 Orbital Projection: Ants

The image to the right shows the orbits of the TRAPPIST-1 planetary system over the center island of Atlantis.

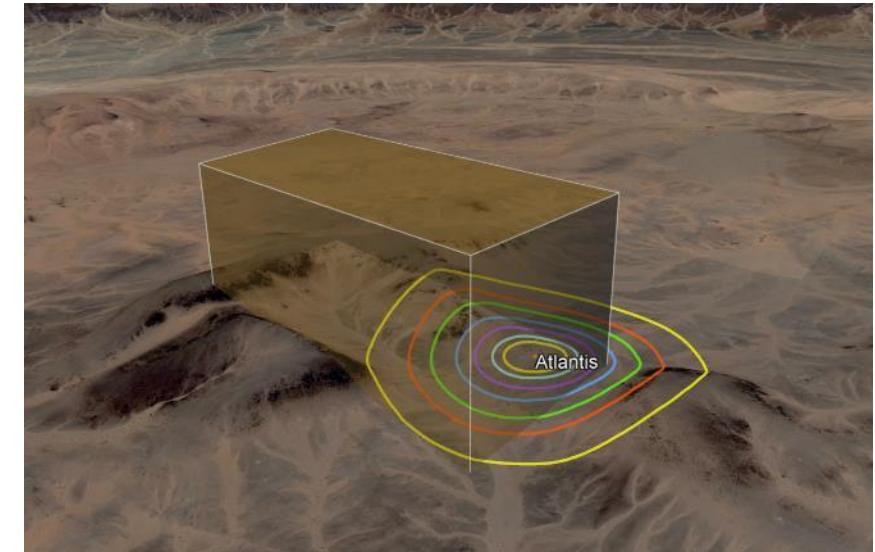
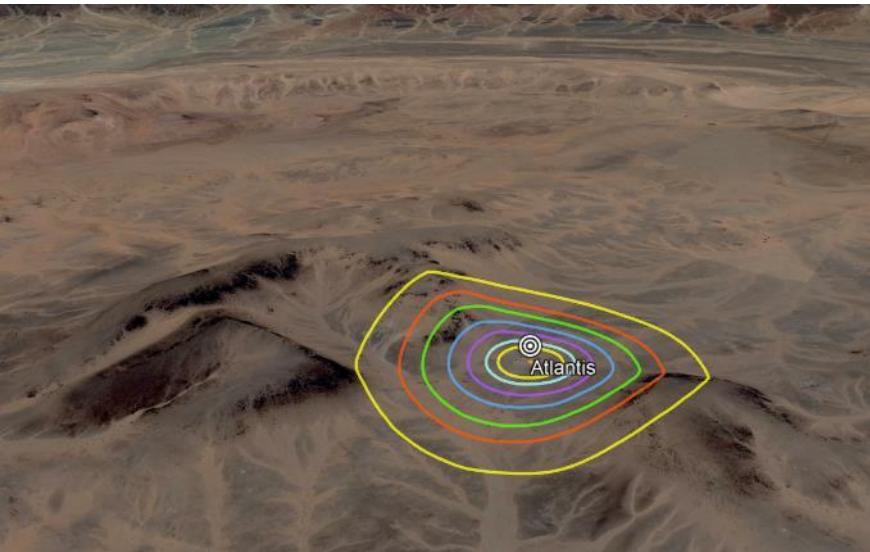


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# Neighbors

## TRAPPIST-1 Orbital Projection: Ants

The images below show the orbits of the TRAPPIST-1 planetary system over the center island of Atlantis. The Temple of Poseidon is overlayed in the image on the right.

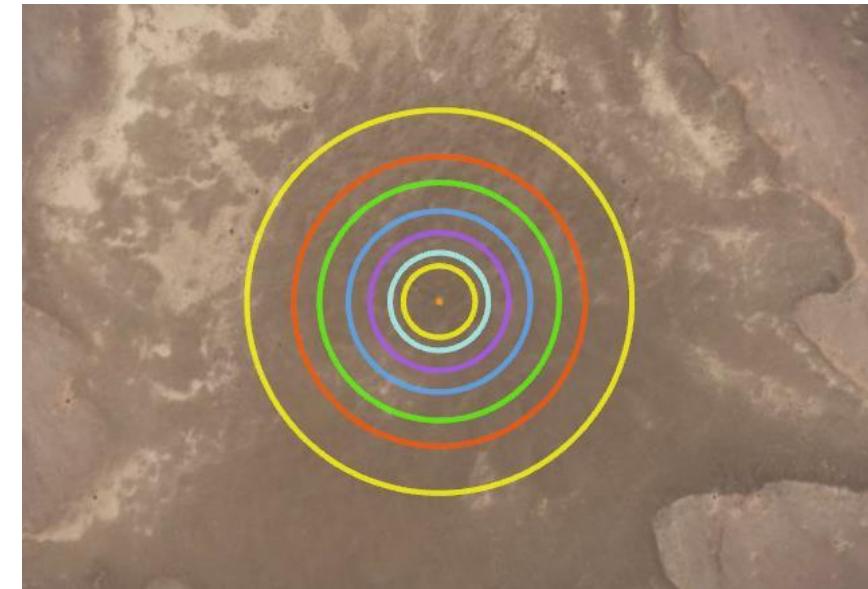


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# Neighbors

## TRAPPIST-1 Orbital Projection: Ants

The image to the right shows the orbits of the TRAPPIST-1 planetary system over the Mountain of Saturn (structure at Atlantis).

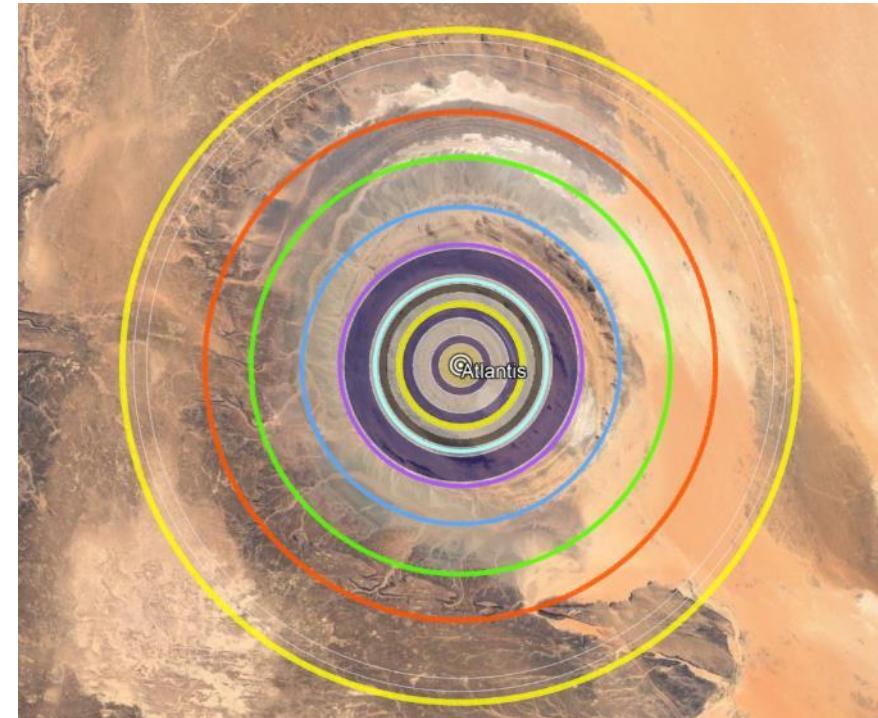
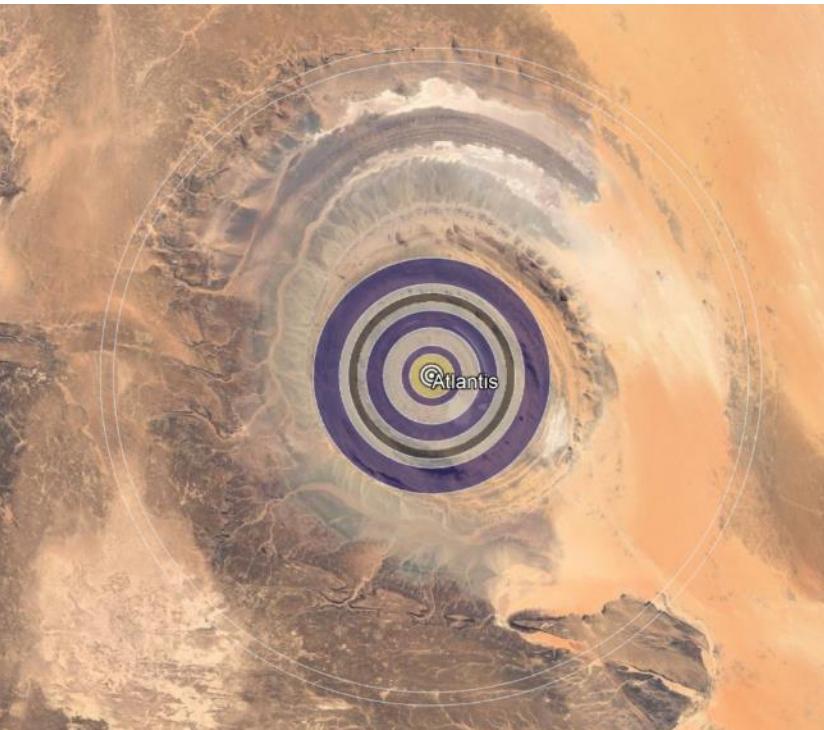


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# Neighbors

## TRAPPIST-1 Orbital Projection: 720

The images below show the orbits of the TRAPPIST-1 planetary system. Note their alignment with the zone boundaries of Atlantis. This orbital projection uses the Global Projection 720 calibration value.

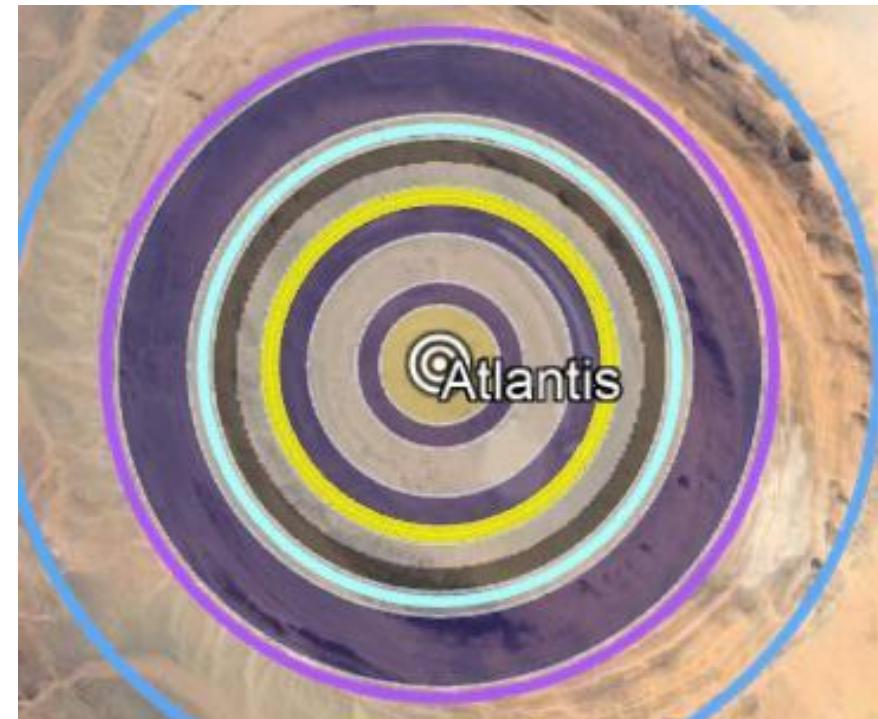


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# Neighbors

## TRAPPIST-1 Orbital Projection: 720

The images below show the alignment of the orbits of the TRAPPIST-1 planetary system. This orbital projection uses the Global Projection 720 calibration value.

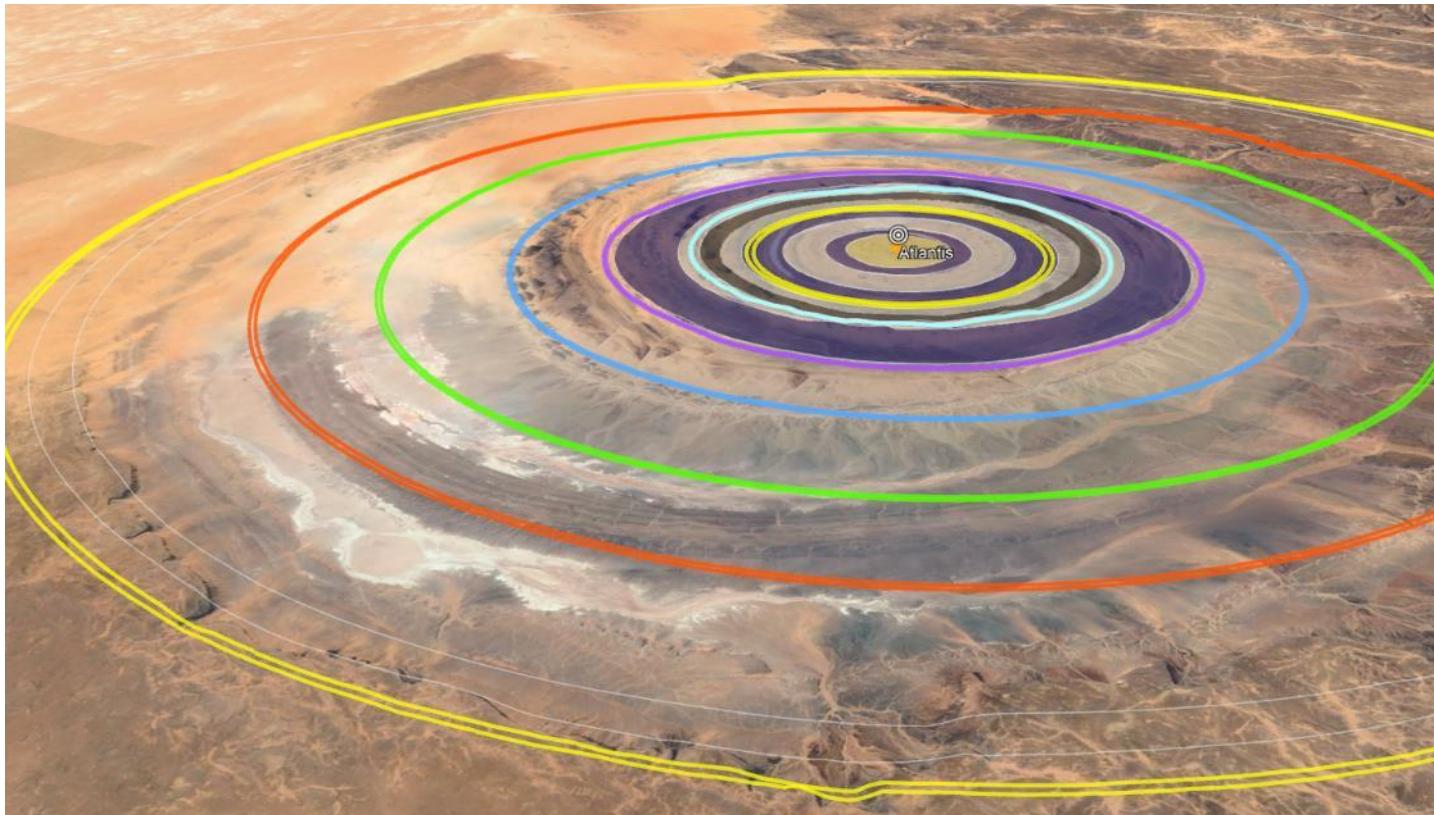


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# Neighbors

## TRAPPIST-1 Orbital Projection: 720

The image below shows the alignment of the orbits of the TRAPPIST-1 planetary system. This orbital projection uses the Global Projection 720 calibration value.

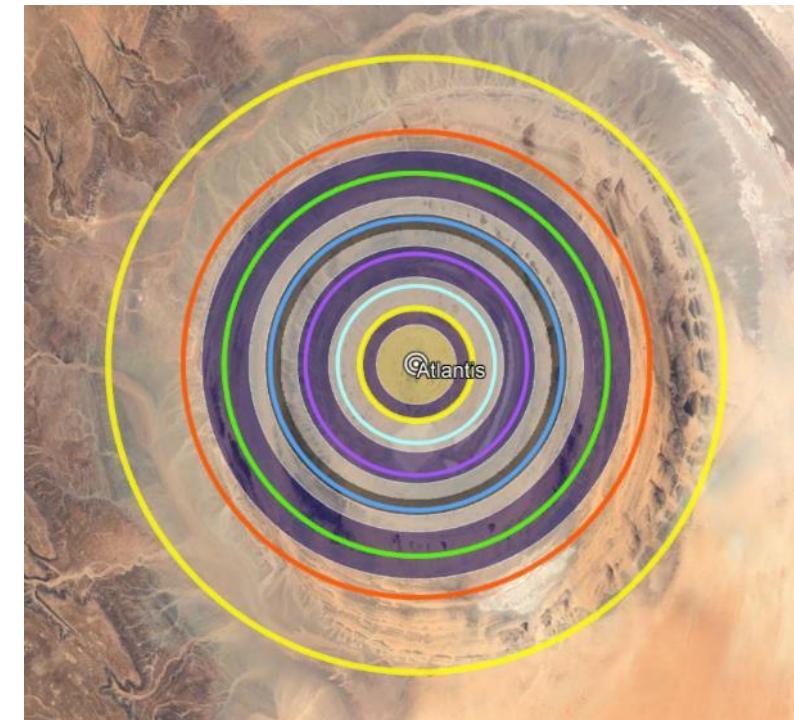
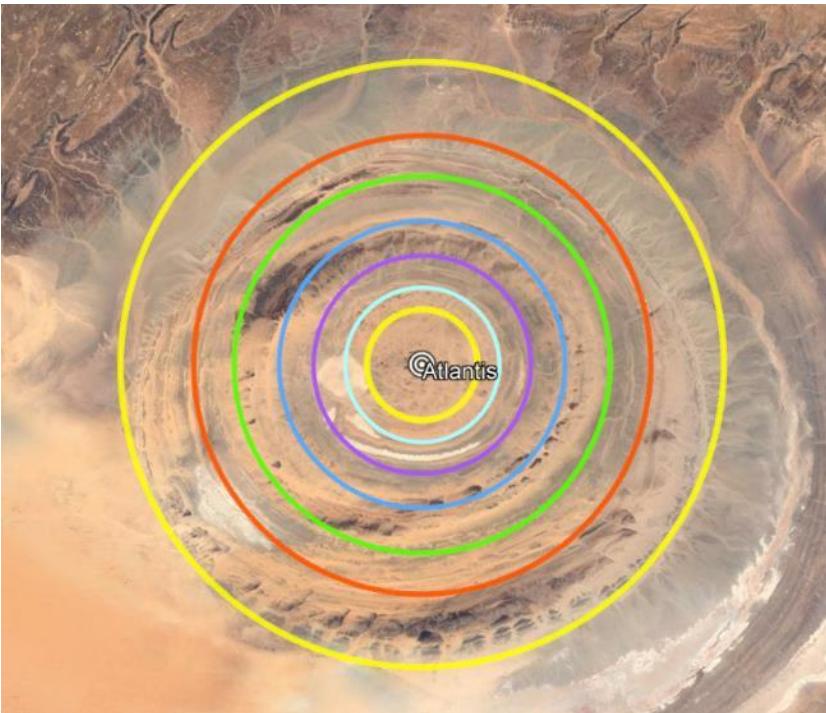


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# Neighbors

## TRAPPIST-1 Orbital Projection: 1440

The images below show the alignment of the orbits of the TRAPPIST-1 planetary system. This orbital projection uses the Global Projection 1440 calibration value.

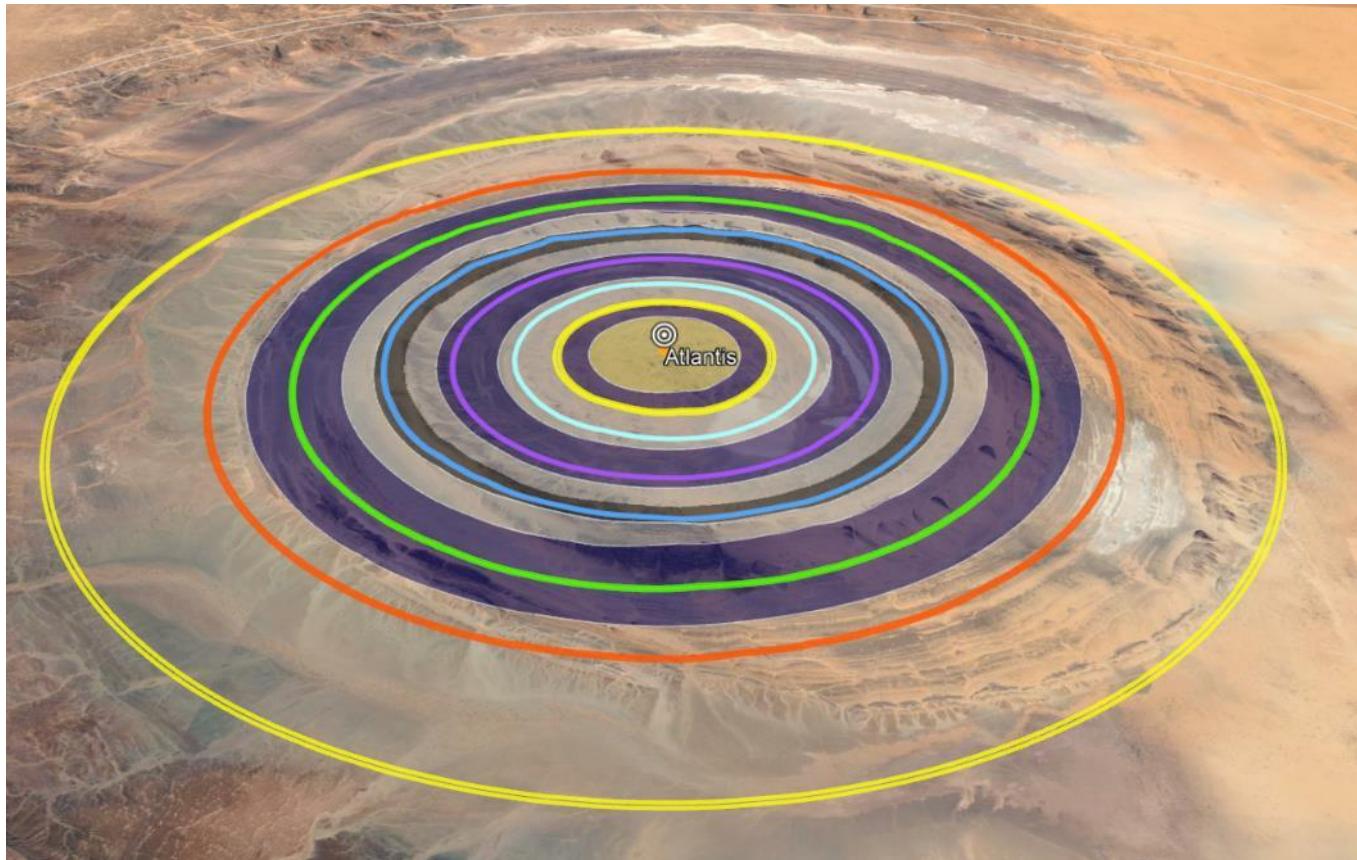


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# Neighbors

## TRAPPIST-1 Orbital Projection: 1440

The image below shows the alignment of the orbits of the TRAPPIST-1 planetary system. This orbital projection uses the Global Projection 1440 calibration value.



# Section V:

## The Remnants

The following section explores a **hypothetical scenario** relating to a massive cataclysm that nearly destroyed the Earth as well as the entire solar system. The purpose is to provide a logical explanation for some of the phenomenon associated with **UFO/UAP's** (unidentified aerial phenomenon). The scenario is presented in "story form".

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# The Remnants

## Scenario: The Civilization

An advanced civilization once existed on Earth. This civilization was capable of interstellar travel (travel between star systems).

In addition to interstellar travel, this civilization had the capability of traveling at the speed of light. Specifically, the technology to move an object of arbitrary mass from point *A* to point *B*, through space, and at a velocity equal to **100%** of the speed of light.

For mathematical simplicity, the percentage of the speed of light will be **100%**. However, for this to be the case, the object traveling would have to have zero effective mass.

Many of this civilization's citizens frequently engaged in interstellar travel. The destinations of these travelers ranged anywhere from a few dozen light-years, to several million light-years away.

A light-year is the distance light travels in **365.256** days (in a vacuum).

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# The Remnants

## The Travelers

From the perspective of the traveler, any journey, no matter the distance, would have been instantaneous. This is because for an object (and its occupants) traveling at **100%** of the speed of light, time ceases to advance ( $t = 0$ ). This is called time dilation.

However, from the perspective of those left at “home” as well as those awaiting at the destination, the duration of the journey would have been equal to the number of light-years (distance) of the journey.



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# The Remnants

## The Travelers

For example, if a traveler took a journey from Earth to a star system that is **7,000** light years away, the duration of the trip for the traveler would be **0** seconds (instantaneous).

But, for a person (at the destination) that is awaiting the arrival of this traveler, the duration of the trip would be **7,000** years. A very long time to wait.

Furthermore, any person (at Earth) awaiting the return of this traveler would be waiting twice as long (**14,000** years) in addition to the amount of time the traveler spent at their destination.



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# The Remnants

## The Stargate

Many of the travelers eventually established permanent “homes” at their individual destinations, but they still had the need (or desire) to travel back and forth to Earth.

This presented a problem because the travelers had created families for themselves at these homes. And they could not journey back to Earth if they wished to see the ones they left behind again.

So, together, the travelers constructed the Stargate



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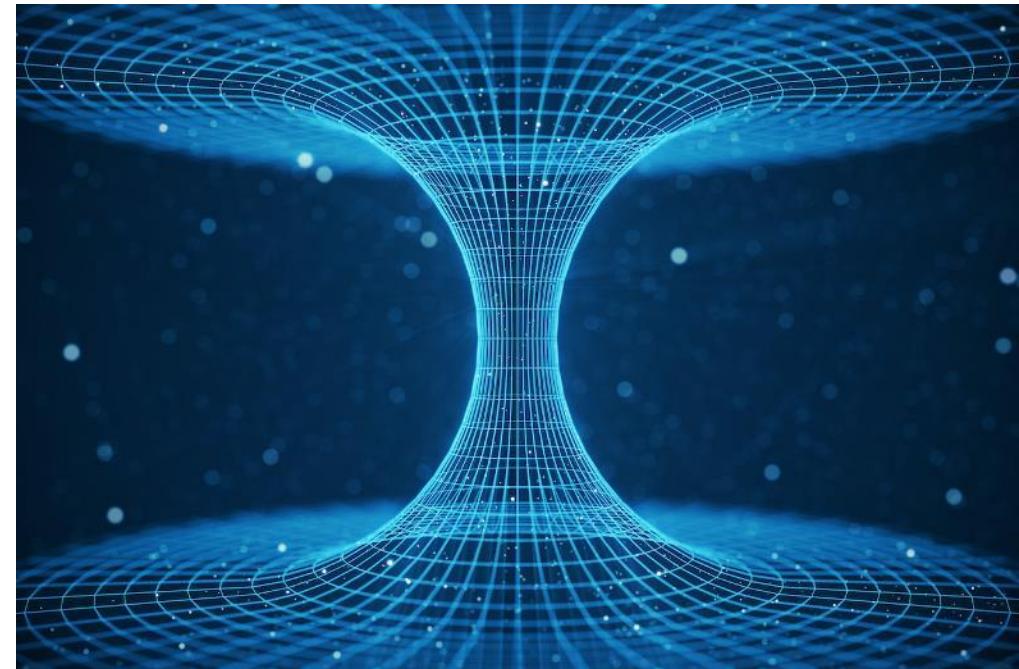
# The Remnants

## The Stargate

The Stargate was a technology that created wormholes.

A wormhole is effectively a tunnel through space that connects two (**2**) points of spacetime that would otherwise be at great distances (or time) from one another.

Wormholes are often referred to as shortcuts through space.



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# The Remnants

## The Stargate

The travelers placed the hub of the Stargate just outside of the solar system.

And each traveler placed an endpoint of the Stargate just outside the star system of their respective homes.

The Stargate allowed the travelers (and all those awaiting their arrival and return) to experience the same passage of time relative to one another.

In other words, it kept the times of the travelers, their homes, and Earth synchronized.



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# The Remnants

## The Stargate

The “length” of the tunnels created by the Stargate varied from destination to destination. However, never more than a fraction of a light-year.

The number of travelers soon doubled and then tripled. And their numbers kept rising.

And at any given moment, the tunnels of the Stargate were full of travelers, carrying them on their way back and forth to Earth.



# The Remnants

## The Stargate

For thousands of years, the Stargate functioned, and the number of travelers grew.

And a portion of the solar system was turned into a “celestial” harbor. Filled with the many travelers arriving or waiting to depart.

This portion of the solar system was located between the inner and outer planets of the solar system.



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# The Remnants

## The Cataclysm

On the day of the fall of Phaethon, the Sun expelled the poisonous stone of iron, and filled the solar system with fire. The fire engulfed the Stargate and the idle travelers.

The hub of the Stargate collapsed and exploded inwards, still feeding on the energy that powered it. This uncontrolled energy created a singularity in place of the wormhole.

The travelers that were inside the tunnels of the Stargate during the collapse became trapped within the singularity.



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# The Remnants

## The Cataclysm

As designed, the endpoints of the Stargate severed their link to the hub during the energy surge. All communication to Earth was severed as well.

The information of the event propagated from Earth's star system in all directions, but at the speed of light.

It would take millions of years for this information to reach some of the star systems of the travelers.



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# The Remnants

## The Cataclysm

The travelers that survived the cataclysm were those that were neither near the Earth, nor inside the tunnels of the Stargate during its collapse.

So, the travelers were scattered throughout the galaxy (and perhaps the universe).

Most had no knowledge of the details of the event, just that the Stargate seemed to no longer exist.



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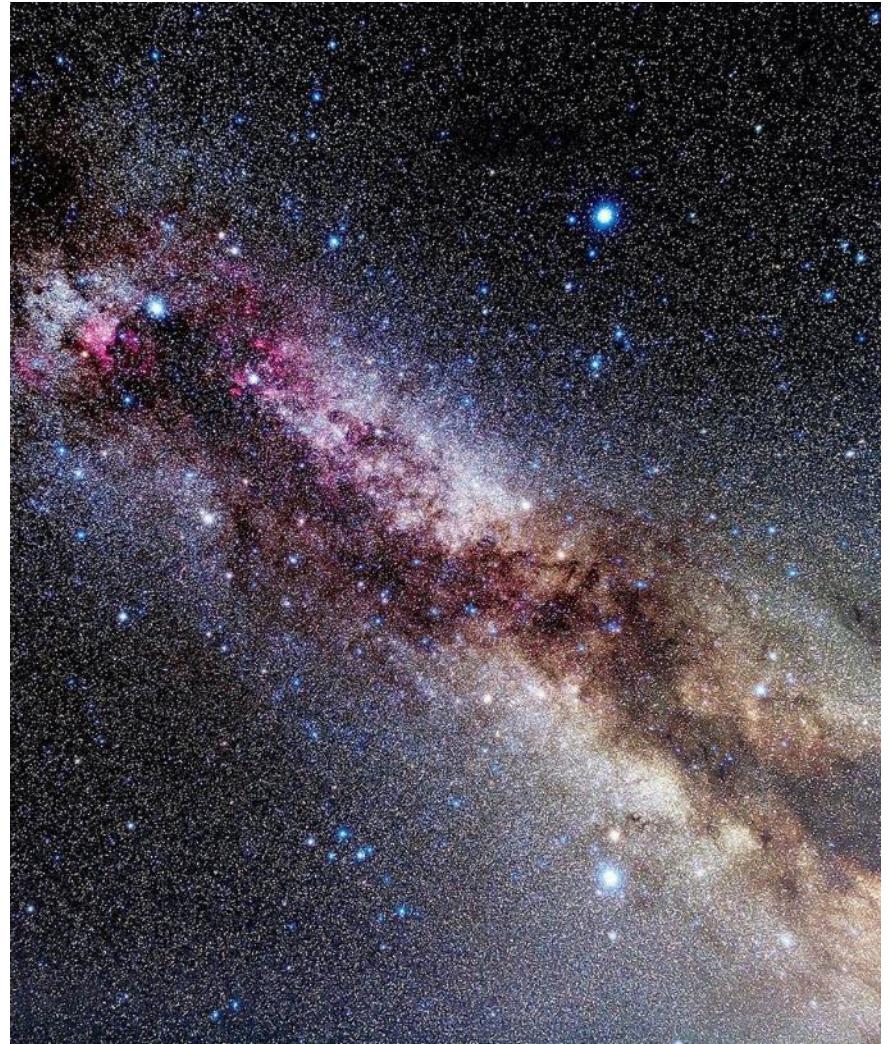
# The Remnants

## The Long Road

Still possessing the ability to travel at the speed of light, many travelers decided to return to the Earth, for they had homes there as well.

So, the travelers departed for Earth, each from varying distances away.

Some were located just a few light-years away. While others were located thousands (or even millions) of light-years away.



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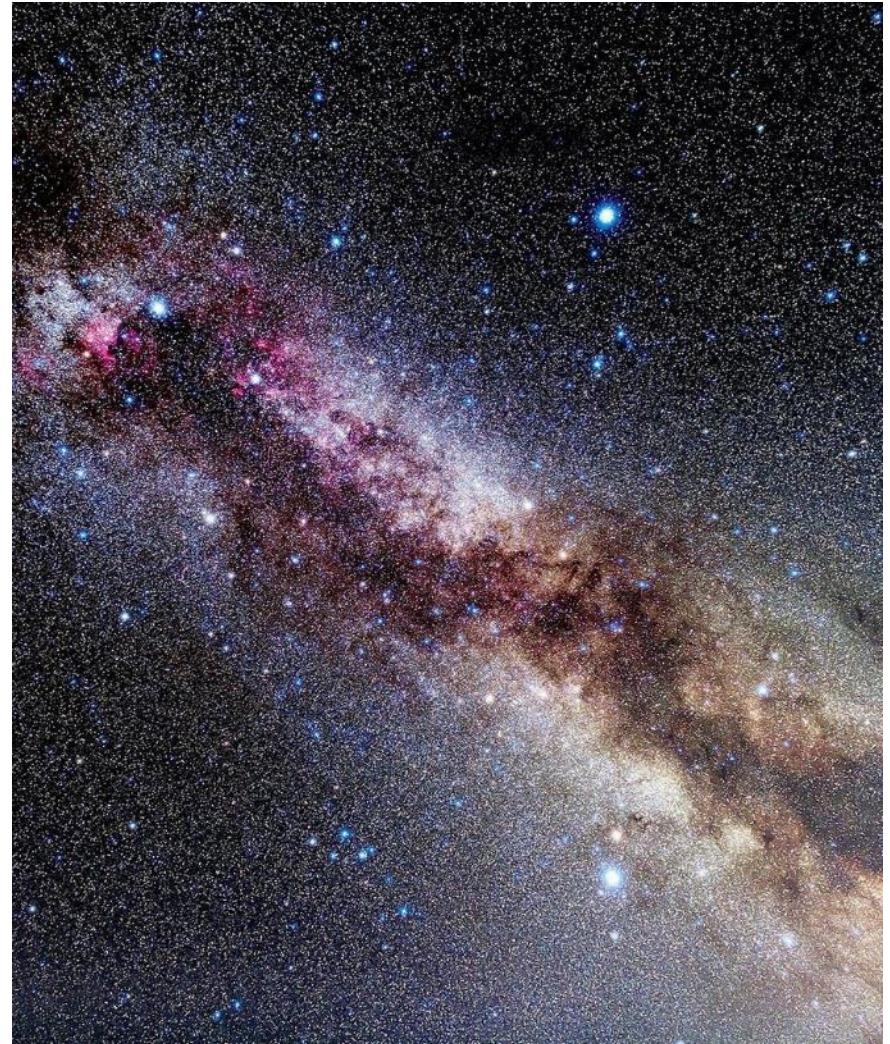
# The Remnants

## The Long Road

Although the journey to Earth was instantaneous for the travelers, the time (on Earth) of their arrivals varied wildly.

Some arrived only a few years after the cataclysm. And some several centuries later.

This continued for thousands of years. The sporadic appearance of travelers returning to Earth, with the horror of the cataclysm still fresh in their minds.



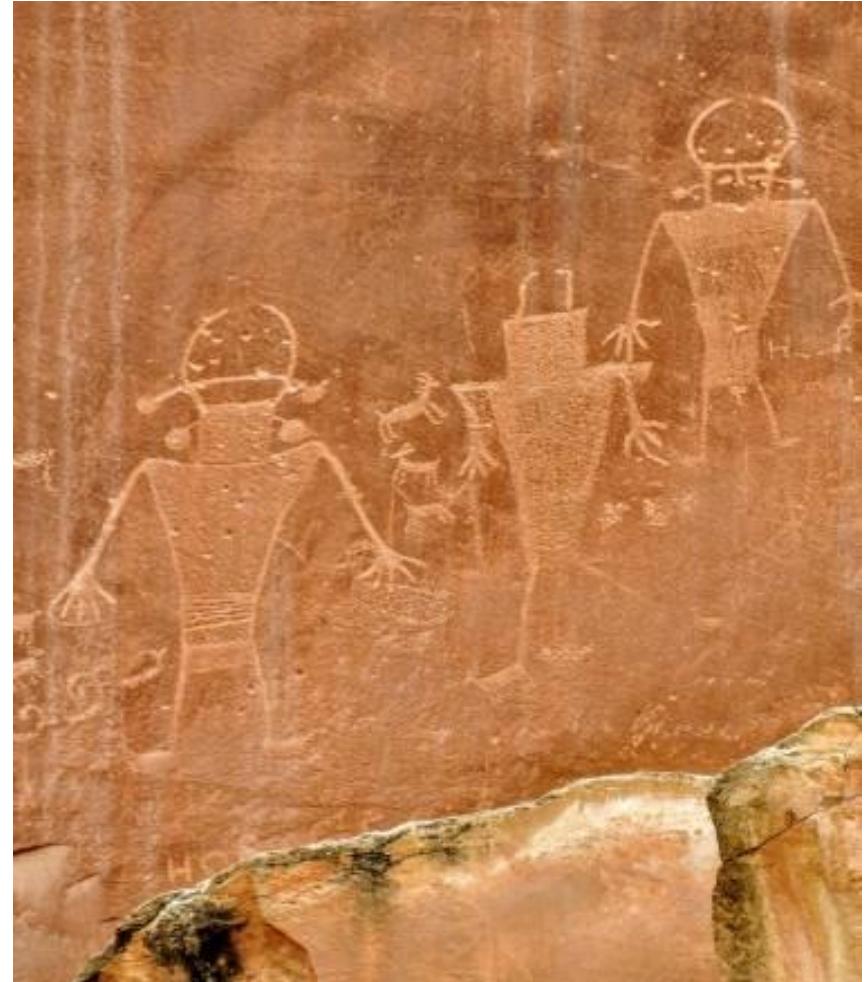
# The Remnants

## Those Who From the Heavens Came

The surviving human population on Earth had to rebuild civilization from nothing. All the technology of the previous civilization was lost.

And soon the memory of the civilization was lost as well. What wasn't forgotten, was erased by the new kings. For you cannot be seen as great and powerful when contrasted against such an advanced civilization.

And what wasn't lost, forgotten, or erased became myth.



The Hopi “Ánu-Naki” (Ant Friends)

# The Remnants

## Those Who From the Heavens Came

These newly primitive humans would occasionally witness extraordinary events in the skies above. With centuries passing between each event.

Events such as lights brighter than the Sun, darting back and forth in the sky.

They saw great flying serpents of fire, and many forms unfamiliar to them.

And then there was the descent of beings that seemed to possess the power of the gods.

Some were newcomers, but the rest were the travelers returning home.



The Tuatha Dé Danann

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# The Remnants

Those Who From the Heavens Came

And finally, there are those who are still on their way...



# Links:

## Documents and Source Code

The following section contains links to all the documents and source code included with this series (Archeological Renaissance). These include content files (such as the document you are reading now) in multiple formats as well as data reference files. These data reference files are Excel spreadsheets that contain the data referenced throughout this series.

# Links

Archeological Renaissance Download Links: [Data Reference Download Links:](#)

**PDF Format:**

[Part I: Ants](#) (includes technical primer)

[Part I: Ants](#) (no technical primer)

[Part II: Pivots](#)

[Part III: Projections](#)

[Part IV: Frames](#)

**PowerPoint Format:**

[Part I: Ants](#) (includes technical primer)

[Part II: Pivots](#)

[Part III: Projections](#)

[Part IV: Frames](#)

**Excel Spreadsheets:**

[Ancient Site and Pole Location Reference](#)

[Measurement System Reference](#)

[Solar System Reference](#)

**GitHub Links (Source Code):**

**Repository:**

<https://github.com/pmeaster/ArcheologyTools>

**Clone Repository:**

<https://github.com/pmeaster/ArcheologyTools.git>

END OF PART IV



Archeological Renaissance