
Observation vs Data Analysis As Astrophysics Research Method (I) By Gerges Francis Twadrous

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The Assumption Of S. Virgin Mary -Written in Cairo – Egypt – 4th July 2019

Abstract

We have 2 basic arguments:

1st Argument

- Planet Data Analysis Should Be Considered The Astrophysics Research Basic Method.
- The Observational Results Without Data Analysis Deceives The Researcher And Causes Imaginary Concepts Creation

2nd Argument

- 1- **The Solar Group is One Geometrical Structure** or one building and each planet is a part of this same building- i.e. Each Planet is created to be a complementary to the other planets and **No solar planet is created or move independently**
- 2- Also, The solar group can be similar to one trajectory of Energy and each planet is a point on it.
- 3- Also the solar group can be similar to one body, and each planet is a member in this same body. All solar planets and their orbital distances are created by the same energy (by the same blood all body members are created)
- 4- Also, The solar group be similar to one machine each planet is a gear in this same machine... so the machine job depends on the gears different tasks.. and that means **the cooperation and integration between the solar planets data** is the main base on which the solar group is created and move.

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1- Introduction

Are The Observational Results Trustee?

i.e.

How We Understand And Explain The Observational Results?

Simply we don't trust the direct vision- When we see a broken spoon in the tea Cup- we don't accept that as a fact because we may talk the spoon and see that it's not broken and the direct vision is un-trustee

But

If we can't talk the spoon from the Cup – how can we know if what we see is a real or not? Let's consider the vision reasoning for a little in following..

The human daily experience provides classical concepts – for example – because we see the solar planets as independent bodies from each other we consider that each planet is independent from the others - now this consideration depends on weaken basics because we have no Definition For Space – and – we don't know if the space separates the planets from each other or bind them – here the classical concepts ignored the space definition and built a description in mind supports the direct vision regardless the truth –

Let's consider one more example

The moon revolves around Earth once each 27.3 days –

Is the space around Earth found with or without the moon motion?

Because may the moon motion creates the space around Earth and based on that we see the other solar planets and all heavenly bodies through the moon motion which means that the moon motion effects on our vision for the heavenly bodies.

Space Definition will always be one point against the classical concepts

In fact this discussion should be more complex

Why? Let's try to think

We see the planet motion trajectory as an ellipse – but – how the ellipse is created?- Einstein had answered this question – when he left the rock to drop from the train travels with uniform velocity – he saw the rock dropped in a straight line – but the people on platform saw the rock dropped as in parabola – so he concluded that – the motion trajectory is relative....

And what about us – we see the planet motion trajectory as an ellipse - how this elliptical trajectory is created? What's Earth velocity and this planet velocity and based on what we see the trajectory as an ellipse?

The explanation here based on the gravity concept... !

In fact – we may discuss some doubts against the sun gravity concept soon -

I want to say that.....

The theory accepts the observational results as facts without any analysis for the vision reasoning- based on that – the theory creates imaginary concepts explaining

these observational results... where the concepts are proved only by these observational results....

By such method we have in our astrophysics book many imaginary concepts

Let's provide 2 proves for this claim –

(1st PROOF)

The Solar Planets Order Doesn't Support The Sun Gravity Concept

Let's analyze the solar planets order in following:

(1)

The inner planets order (Mercury – Venus – Earth) shows that there's some relationship between the planet diameter (or mass) with their orbital distance, means Greater Diameter (Or Mass) needs Greater Orbital Distance ...

(2)

The outer planets order (Jupiter- Saturn- Uranus- Neptune – Pluto) tells that the rule is reversed (after Mars) where Greater Diameter needs Shorter Orbital Distance But.... **The order depends on diameter and NOT on Mass** because Uranus Diameter is greater than Neptune where Neptune Mass is greater than Uranus..

(3)

Primary Conclusion

There's some relationship between The Planet Diameter And Orbital Distance but this relationship is reversed after Mars for some reason- (Note Please/ The Data Direction doesn't support the relationship between the planet mass and orbital distance which disproves the sun gravity concept)

Objection

When I asked this question... the answer was "because of the Initial Points"

But where are these initial points?

The inner and outer planets orders provide 2 different forms for THE SAME RULE So the nearest conclusion is that there's a relationship between the planet diameter and orbital distance where Mars position in the solar group order causes disturbance for this relationship.

FINAL CONCLUSION

The solar planets order doesn't support the sun gravity concept – so – on what proves the sun gravity concept is created? If there's no any proof for the gravity concept how the gravitational equation is created and accepted?

(2nd PROOF)

How The Planets Diameters Were Created?

What the Big Bang theory tells us? a big star followed the sun later exploded and from this star material, the solar planets were created..!

What we understood from this idea?

Based on Random Process the solar planets were created... "random process" based on this 2 words ("random process") all big bang theory (or theories) were created!

Pure imagination based on unreal vision... why? Because no one ask what's the planet diameter? What's the planet mass? What's the planet data?

So- the big bang theory is built in fact without any theoretical reasoning...

The next table disproves simply this theory

Table No. 1		No Error More Than 1.5%
The Relationship		The Rate
Earth Diameter / Venus Diameter	=	A
= Mars Diameter / Earth Radius	=	
Mars Diameter / Venus Radius	=	A ²
= Venus Diameter / Moon Circumference	=	
= Moon Radius * Π/ Mercury Diameter	=	
= Pluto Circumference / Mars Diameter	=	
= Uranus Circumference / Jupiter Diameter	=	
= lunar apogee radius / lunar perigee radius	=	
Pluto Circumference / Earth Radius	=	A ³
= Mercury Circumference / Earth Diameter	=	
= Earth Diameter / Moon Circumference	=	
= Uranus Radius / Mars Circumference	=	
= Jupiter Diameter / Saturn Diameter	=	
= Saturn diameter / Uranus Diameter	=	
Venus Radius / Mercury Diameter	=	A ⁴
= Uranus Diameter / Earth Circumference	=	
Uranus Diameter / Venus Circumference	=	A ⁵
Jupiter Radius / Uranus Diameter	=	A ⁶
= Mercury Diameter / Moon Diameter	=	
= Mars Diameter / Mercury Diameter	=	

Discussion

When the planets diameters are created by random process- they may have such rates relative to each other! Can that be possible?

THE MAIN CONCEPT IS MISTAKEN- the solar planets can't be created by any random process – and the solar planets aren't independent from each other – on the contrary – the solar planets are created to consist together one building (or one machine) for that reason each planet is created to be complementary to the other planets - because all of them consists one machine- that tells us also – the planets

motions are not independent from each other and that's the planets motions general harmony reason.

General Comment

I have analyzed the solar group data –may I did that correctly or wrongly – but

(1)

No one can refuse our analysis based on a claim– "this data direction which concerning our solar system can be disproved by data from Other Solar Systems"

Because

We analyze the solar planets data to explain it and not to explain the other solar systems data- now our solar system data is our task to be analyzed and we need to know how this data is created– and if there's no disproving data in our solar system – so the conclusion is proved.

(2)

No one may claim that – our solar system Historical Development disproves the conclusion – because the planets current data is trustee more than any historical stories.

What we try to do here?

We'll discuss here 4 phenomena–in series of papers- in each phenomena – I'll try to prove that –

The Vision Reasoning Can Change The Basic Conclusion We Reach By The Observational Results –

This discussion contains the following subjects

- 1- The Unit Definition Is Relative
- 2- The Planet Motion Elliptical Trajectory Analysis
- 3- Moon Motion effect on the solar planets observational results
- 4- The Observational Results Contradicts The Solar Group Energy Direction.

In this paper we discuss the following argument

"The Unit Definition Is Relative"

Let's start immediately in following....

2- Methodology

- I use Planet Data Analysis As Astrophysics Research Method -
- I use NASA Planetary Fact Sheet (<http://nssdc.gsfc.nasa.gov/planetary/factsheet/>)

3- The Unit Definition Is Relative

3-1 The Basic Argument

3-2 Data

3-3 Discussion

3-1 The Basic Argument

What's the space? How to create the space?!

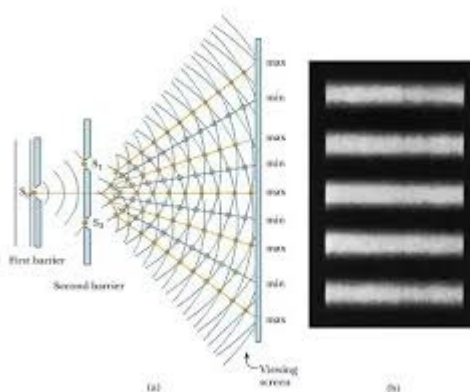
What's 1 meter or even 1 million km? It's some measurement – one meter is a length of a solid rod kept in some museum! But how to create 1 meter of Space?

How the space is created? We imagine that "the space is some emptiness- space is nothing and found without creation because it's mere nothing!"

It's some description in our mind – but let me provide another description to provide some doubt in this direct vision...

Why the Space is emptiness or nothing? Why we think so? Because it's some darkness –empty area has no matter or even light so it's mere space (emptiness)

In Young Experiment (Double Slit Experiment) – Young created a light coherence and the produced interference consisted of bright fringes and dark fringes – as the figure show –



The interference consists of Bright fringes and dark fringes –

Now imagine that – the light coherence was so huge where the dark fringe breadth is so wide (for example =10000 km) – and we live inside the dark fringe- what we will see there? Darkness....

So the space is not mere nothing – the space which is darkness can be produced by light coherence –

Now the question – how to create the space – will not be some very strange question- in fact – based on this idea we can create the space...

We still follow this same idea – how to define the unit based on this idea?- because what we see as space and distance – in fact – it's created by some light coherence – and that means – what we measure in kilometers can be evaluated in Newton, joules or even watts – the definition of unit here depends on the direct vision and personal evaluation!

All what I try to do is to plant some doubts against concepts have no real proves and still working as facts.

Let's consider another example to discuss...

Mercury Orbital Circumference = 360 million km and also =360 degrees

That means for Mercury Motion each 1 degree = 1 million km

That means

If Mercury moves daily 4.095 million km that means it moves in fact 4.095 degrees – both units are equal to each other – and based on that – both units are exchangeable...

The Most Important Idea

The solar group is one machine – each planet is a gear in this same machine – that means – all planets move together by cooperating motion – that guarantees the planets motions general harmony –

Why this vision is strange?

Because we think that the space separates the planets from each – as the sea separates the sailor from his home – this naïve description prevents us to see the most important idea in the solar group that "The solar group is one machine" – we can't accept this idea because the space is the sea which prevents the planets to reach each other...!

Please review

The Unit Definition Is Relative

<http://vixra.org/abs/1906.0379>

Earth Velocity Proves "The Unit Definition Is Relative"

<http://vixra.org/abs/1906.0465>

3-2 Data

Group No. 1

The Main Equation (Equation 3-2)

$$6585.39 = 232.7 \times 28.3 = 278.4 \times 23.6$$

Where

- 232.7 degrees = Solar Inner Planets Axial Tilts Total
- 28.3 degrees = Neptune Axial tilt
- 278.4 degrees = Solar Our Planets Axial Tilts Total
- 23.6 degrees = Solar Outer Planets Orbital Inclinations Total

And we know that

6585.39 days = Saros Cycle Period (Eclipse Calendar)

Group No. 2

25920 years = Precession Cycle (Precession of the equinoxes)
25920 mkm = 86400 seconds x light velocity (0.3 mkm/sec)

Group No. 3

Satrun Orbital Distance = 1433.5 million km

Table No.1	error
-1433.5 days x Mercury velocity daily 4.095 mkm = 5870 mkm Pluto Orbital Distance	0
-1433.5 days x Venus velocity daily 3.02 mkm = 4329 mkm Venus Neptune Distance	0
-1433.5 days x Earth velocity daily 2.58 mkm = 3699 mkm Jupiter Neptune Distance	0
-1433.5 days x Mars velocity daily 2.082 mkm = 2984.5 mkm Uranus Pluto Distance	0
-1433.5 days x Jupiter velocity daily 1.1318 mkm = 1622.4 mkm Uranus Neptune Distance	0
-1433.5 days x Saturn velocity daily 0.838 mkm = 1201 mkm Mars Saturn Distance	0.3%
-1433.5 days x Uranus velocity daily 0.5875 mkm = 842 mkm	
-1433.5 days x Neptune velocity daily 0.4665 mkm = 670 mkm Venus Jupiter Distance	0
-1433.5 days x Pluto velocity daily 0.406 mkm = 582 mkm Mercury Earth distance*2Π	1%

3-2 Discussion

Group No. 1

The Main Equation

$$6585.39 = 232.7 \times 28.3 = 278.4 \times 23.6$$

Where

232.7 degrees	= Solar Inner Planets Axial Tilts Total
28.3 degrees	= Neptune Axial tilt
278.4 degrees	= Solar Our Planets Axial Tilts Total
23.6 degrees	= Solar Outer Planets Orbital Inclinations Total

And we know that

6585.39 days = Saros Cycle Period (Eclipse Calendar)

How to understand the previous data?

Let's try to divide this question into smaller parts?

How the degrees can be days? So the value 6585.39 degrees became 6585.39 days (Saros Cycle Period)

shortly...How 1 degree = 1 day?

Earth Moon Orbit regresses each year 19 degrees and this regression causes regression for the eclipse calendar with 19 days –means – 19 degrees causes 19 days i.e. 1 degree = 1 day...

Again How to perform that? By the moon orbit regression (motion)...!

Now the motion has a new vision! What we know about the moon motion? We know that the moon moves by Earth gravity forces – moon motion is a mechanical motion produced based on his mass relative to Earth mass – the idea is clear –the moon motion has no relationship with the any planet orbital inclination or axial tilt..

But

The Data tells another idea....

The classical idea which we keep by heart –simply –is a pure imagination- in fact the moon orbit motion depends on Saros Cycle which is produced by the planets orbital inclinations and axial tilts cooperation according to the previous Equation...

i.e. **Saros Cycle is produced as a result of Planets Data Cooperation**

The Data – simply supports us

6585.39 days (Saros Cycle Period) = 239 x 27.55 days (anomalist month)
= 19 x 346.6 days (Nodal Year)
= 223 x 29.53 days (lunar Synodic Year)

Nodal Year is produced by The Moon Orbit Motion

Lunar Synodic Month is produced by The Moon Motion

Anomalist Month is produced by The Moon Orbit Motion

Simply – the data tells us that – many motions are cooperated to produce Saros Cycle.... So what we have seen in degrees we see again in motions

Let's see Metonic Cycle – which can support this idea so strongly in following:

$$\mathbf{6939.75 \text{ days (Metonic Cycle Period)}} = 19 \times 365.25 \text{ days (Sidereal Year)}$$
$$= 20 \times 346.6 \text{ days (Nodal Year)}$$
$$= 235 \times 29.53 \text{ days (lunar Synodic Year)}$$

Sidereal Year is produced by Earth Motion
Nodal Year is produced by The Moon Orbit Motion
Lunar Synodic Month is produced by The Moon Motion

So Earth, Moon And Moon Orbit Motions should be in harmony with each other to produce Metonic Cycle....

The usual answer "Pure Coincidence" has no any effect here – because we have seen the cooperation is degrees and then we have seen this same cooperation in the motions themselves...

Based on that – the description that – Each planet moves independently from the other solar planets - is a pure imaginary description – has no proves at all – on the contrary – Planet Data Analysis and Direction disproves this idea strongly.

Let's discuss another example to see much better in following:

Example (1)

$$\frac{25.2 \text{ Mars axail tilt}}{23.4 \text{ Earth axail tilt}} = \frac{26.7 \text{ Satrun axail tilt}}{25.2 \text{ Mars axail tilt}} = \frac{28.3 \text{ Neptune axail tilt}}{26.7 \text{ Satrun axail tilt}} = 1.0725$$

How to explain the previous Equation?

I have tried to explain this equation before- nevertheless - let's try to conclude the basic idea behind this equation

What can we conclude here?

There's **A Dependency** Between these 4 Planets Axial Tilts

Someone will claim that's "Pure Coincidence"! but we see it's somehow difficult to accept the same pure coincidence **three times**

So we have to conclude that there's some relationship between these planets axial tilts

So- the Equation explanation is hard – but **The Data Direction** is clear- there's some relationship between These Planets Axial Tilts...let's see the next equation..

$$\frac{115.2 \text{ Mars axail tilt}}{113.7 \text{ Earth axail tilt}} = \frac{116.7 \text{ Satrun axail tilt}}{115.2 \text{ Mars axail tilt}} = \frac{118.3 \text{ Neptune axail tilt}}{116.7 \text{ Satrun axail tilt}}$$

The Previous equation supports **The Same Data Direction** –it tells – there's a deep relationship between These Planets Axial Tilts – and this relationship is seen between these planets axial tilts on the horizontal level as well as on the vertical level.

We concluded that – there's some dependency here – but what does this mean? in fact we need better understanding – let's do that with the following example...

Example (2)

1. 17.4 deg. (Inner Planets Orbital Inclinations Total) x **0.99** = 17.2 deg (Pluto orbital inclination)
2. 23.6 deg. (Outer Planets Orbital Inclinations Total) x **0.99** = 23.4 deg (Earth Axial Tilt)
3. $(180/2\pi) = 28.66$ deg (But 28.66 deg x **0.99** = 28.3 deg (Neptune Orbital Inclination))

Discussion

The rate 0.99 we have discussed frequently in my previous papers- where the previous 3 equations are mere examples for huge number of similar data

I try to support the same idea – the direct observation gave us mere imaginary description more than any truth –

On the contrary

The data analysis – simply shows the geometrical design depth – we simply accepts that the planets are created and move depending on each other –

The data gives us no chance to escape

Let's see one more example in following

Example (3)

- **4.095 mkm daily (Mercury velocity) x 1.535 mkm daily (Ceres velocity) = 2π mkm²**
- **3.02 mkm daily (Venus velocity) x 2.08 mkm daily (Mars velocity) = 2π mkm²**
- **2.58 mkm daily (Earth velocity) x 2.41 mkm daily (Moon supposed velocity) = 2π mkm²**

Simply the planets define their velocities based on 2 factors (1st the value $2\pi^2$) and (2nd other planet velocity) –

Again the dependency which we have seen in planets orbital inclinations and axial tilts we see again this same dependency in the planets velocities..

Yes – I don't know yet the geometrical mechanism by which this happens –

But

The data direction is strong enough to make my claim simply acceptable

Shortly...

The planet motion classical theory completely mistaken

Let's discuss Data Group No. 2

Group No. 2

25920 years = Precession Cycle (Precession of the equinoxes)

25920 mkm = 86400 seconds x light velocity (0.3 mkm/sec)

We know Precession Cycle = 25920 years – It's The Earth Axis Cycle – which considered the basic Cycle in the solar group..

But

Light passes during a solar day period (86400 seconds) a distance = 25920 mkm

To be both value = 25920It's NOT pure coincidences.... It's part of the geometrical design by which the solar group is created – spite the geometrical mechanism still far to be realized we simply conclude that these 2 values are equal because both of them are produced depending on each other

(As -Mercury orbital circumference 360 mkm and 360 degrees so 1 degree = 1 mkm)

These 2 values are similar – they equal each other because they depend on each other – but we need the geometrical mechanism to prove that.

Group No. 3

Saturn Orbital Distance = 1433.5 million km

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-1433.5 days x Uranus velocity daily 0.5875 mkm = 842 mkm	
-1433.5 days x Neptune velocity daily 0.4665 mkm = 670 mkm Venus Jupiter Distance	0
-1433.5 days x Pluto velocity daily 0.406 mkm = 582 mkm Mercury Earth distance*2Π	1%

Data Group No. 3 provide a clear claim as following:

The time and distance values can be equivalent – and that means – what we see as distance can be working as time

This idea I have discussed deeply in my previous paper

Time And Distance Equivalence (Proves) <http://vixra.org/abs/1904.0125>

Special Theory Of Relativity (Questions For Discussion) <http://vixra.org/abs/1906.0008>

Other Papers

Gerges Equations For Solar Group Geometry <http://vixra.org/abs/1906.0564>

Direction Of Energy Through The Solar Group <http://vixra.org/abs/1906.0541>

Uranus Is Perpendicular on Earth Moon Orbit <http://vixra.org/abs/1906.0316>

There's A Light Beam Travels With 1.16 mkm per sec (My Claim)

<http://vixra.org/abs/1904.0236>