

Subtle Energies, Conscious Intent, and our Expanding Universe

by

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Abstract

Many publications demonstrate that some scientific experiments can be affected by the act of observation, as well as the mind being affected by local astronomical forces and factors, such as gravity, electromagnetism, spin, and orientation. Subtle Energies of an unknown nature are also associated with these phenomena, and hence are a subject of this research. This paper builds on the counter intuitive findings published in NeuroQuantology Dec 2011 ⁴⁰, which details the ability of the mind to filter out all of the above “local” factors and visualise experiments as if they were being undertaken in intergalactic space without these physical forces. In order to research this phenomenon further, it is necessary to produce quantitative experiments that isolate the above factors which cause significant superimposed perturbations in measurements. This has been achieved by adopting the techniques of scientific Noetics (or mind science), and measuring the actual physical dimensions of simple geometric shapes, and comparing them to the dimensions of the same geometric shapes perceived “mentally” by the body’s senses.

The findings strongly suggest that Subtle Energies seem to be inextricably connected to consciousness and intent. This unexpected conclusion is supported by mathematical results obeying power laws that involve universal constants and no arbitrary constants: such as Phi ϕ (The Golden Ratio 1.61083..), and Feigenbaum’s Constant δ (delta 4.6692...) These formulae cannot be random results, especially as their correlation coefficients are > 0.9 . The implications are (1) that phi and delta form part of the structure of space-time, and (2) the important quantified discovery that the mind can interface with the fundamentals of space-time, the laws of physics, and objects in the cosmos.

In addition, these findings could address and help explain several topics of current academic research into fundamental areas of physics and cosmology that involve: -

1. The act of making a conscious *observation* may affect the results of quantum physics experiments.
2. Using Noetics for the experiments in this paper – i.e. specializing in the intersection of science and human experience.
3. The structure of the universe and the role of Geometry is a more recent topic of growing academic interest.
4. Further research into Entanglement – not only in the quantum world, but also in the everyday macro world.
5. Discussions and evidence on the theory of a “universal consciousness”.
6. Tentative evidence of a connection between subtle energies, dark energy, and the expanding universe.

<https://D.Docs.Live.Net/3680ed601257c2d8/Documents/Noetics/Research/58.SubtleEnergiesConsciousIntentAndOurExpandingUniverseV1712Oct2021.Docx>

There are at least 9 different detectable subtle energies. These conclusions are supported by further evidence detailed in the Appendices which summarise relevant historical published research. This paper was initially restricted to our Solar System, but subsequent research and data provided convincing mathematical evidence to extend the findings to the centre of the Galaxy.

Key Words

Subtle Energies, Noetics, the mind, consciousness and intent, macro-entanglement, planets in our solar system, cosmology, the geometric structure of the universe, stars in our galaxy, and Dark Energy.

Background

This paper forms part of my 37-year study into the physics of Subtle Energies and contributes to the growing belief that the extended mind is somehow involved. Subtle Energies have been known and recorded for thousands of years: often associated with the Earth (such as searching for minerals), as well as with life-forms and astronomical sources (such as numerous examples of the Moon's effect on many species of life). They criss-cross the landscape, especially around Neolithic stone circles (possibly providing the motivation to build them). They easily pass through large solid objects, even the Earth, without any diminution. Yet to date, there is no explanation or comprehension of them. It does not help that only a few people can feel them, and even less can see them. Furthermore, currently, there are no detectors or accurate meters to measure them. Interestingly, some children under about 10 years old have the inbuilt ability to both see and feel them. Subtle Energy beams usually consist of geometric shapes including lines, circles, spider web patterns, aura fields comprising ovoidal shells, and conical vortices, with 3, 7, or 9 turns or repeats. As is apparent, there are many unknowns motivating this extensive scientific research.

Technique and Protocol

Noetics is usually associated with **physical objects**. But **geometrical shapes** are also associated with, or emit Subtle Energy lines, even if the source geometry is drawn on paper, or is abstract, such as being visualised by conscious intent in 3-dimensions as floating in air. Many sensitive people can easily detect them weeks later. Subtle Energies also vary over time and are influenced by the mind's intent as well as by many natural forces and fields such as gravity or rotation etc. For those researchers who are unable to see or feel Subtle Energies, the following section details a very accurate technique for their detection when making Noetic measurements.

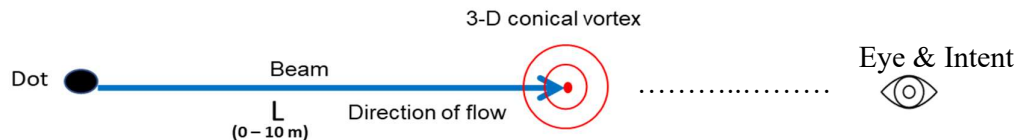


Figure 1. Noetic Observation of a Dot

Using Noetics when studying geometrical shapes produces unique patterns of Subtle Energies⁴¹. The most practical and accurate protocol for scientific measurement is to use the simplest

geometry – a dot²³. Although scientists often avoid a singularity, I am happy to research them for the reasons detailed in Appendix 1.

As depicted in Figure 1, a dot produces a tubular Subtle Energy beam with a perceived outward flow towards the observer, wherever located. This beam ends in a clockwise spiral, which is perceived as a 3-dimensional conical vortex with a vertical central axis¹³. The perceived length of this beam I have defined as **L**, which is measured from the easily located source dot, to the central vertical axis of the conical vortex which can readily be detected by an experienced Noetic researcher. **L** is not only very quick and simple to measure, it is a very good accurate quantitative measure of intensity, field strength, direction, and vector properties of the Subtle Energy in which the dot has been immersed. In practice, **L** has values between 0-10 m. (The width of the beam is about 10 cm diameter, but as this width is not used it is irrelevant in this paper). An important benefit of this technique is that the geometry of the dot takes on the properties of the Subtle Energies being associated with the object of the mind’s conscious intent. This unexpected connection will be addressed in many of the following experiments in the Appendix, such as Entanglement or alignment beams.

Findings

Figure 2 is a summary of the findings of this paper in graphical form with linear axes. These graphs are plots of the distance between each planet and the Sun, **D_s**, against the Noetic field strengths **L**, which is the associated Subtle Energy from the planets, as far as Pluto. As is apparent, 3 sets of data were taken on 9th December 2020, 9th January 2021, and 16th April 2021. On inspection of their superimposed graphs, these 3 sets of data are in exceptionally good agreement, as are their Excel calculated trendlines. Their resultant equations are of a logarithmic form, with incredibly good correlation coefficients, ($R^2 > 0.93$), as depicted in Figure 2.

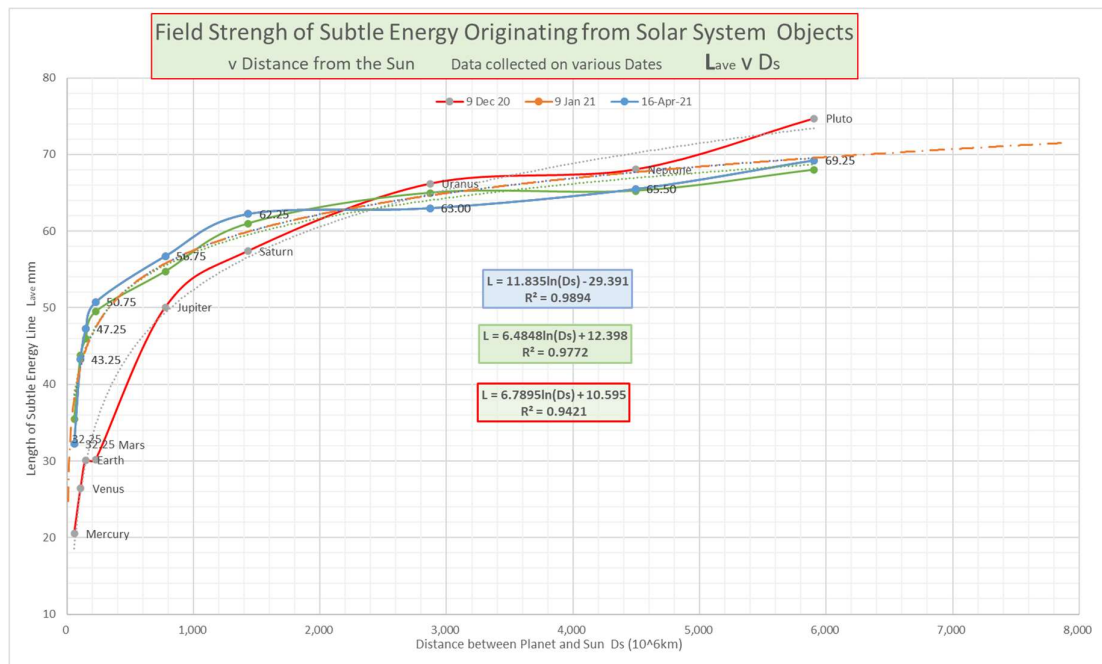


Figure 2. A Plot of the Length of the Noetically Perceived Line Generated by a Dot Against the Distance of a Planet from the Sun

This provides further confidence that adopting the unusual technique involving **L**, was an appropriate protocol.

It was initially thought that a reasonable hypothesis is that these graphs are equivalent to plots of **L** against the gravitational force between the Sun and the planet in question. However, this interpretation may be incorrect, and is discussed later in the Conclusions. Visual inspection of the graphs confirms that the unexpected findings are that planets **closer** to the Sun have **lower** associated Subtle Energy field strengths, and planets **further** from the Sun have **higher** associated Subtle Energy field strengths. It would seem this effect is caused by the **inverse** of **gravity**. But this interpretation could be wrong and is just the consequence of using the Sun as the origin for the initial measurements.

If Subtle Energies can be detected from Pluto, how far can the graphs in Figure 2 be extrapolated? As a cynical joke, data was measured with new extended experiments, finalising in September 2021, for a selection of bodies between the Earth-bound observer and the Centre of our Galaxy. Table 1 summarises these findings, where **D** is the distance in AU of an observer on Earth, and **L** the Noetic field strength associated with the astronomical body of the mind's intent. Figure 3 is a plot of this data. As the distances are so vast the x-axis data in AU (**D**) has a logarithmic scale.

Time	Date	Intent	L ave	Distance from Earth	Distance from Earth	L1	L2	L3	L4	Types of Subtle Energy
11:00:00	30/9/21		mms	AU	Light Years	mms	mms	mms	mms	
12:30:00		Sun	32.25	1		31	32	33	33	(4), 8, 9
		Mercury	35.50	0.78		34	37	39	32	(4), 8, 9
		Venus	43.75	0.93		45	43	43	44	(4), 8, 9
		Earth	46.00	0		47	48	46	43	(4), 8, 9
		Mars	49.50	2.64		52	52	43	51	(4), 8, 9
		Jupiter	54.75	4.23		54	55	55	55	(4), 8, 9
		Saturn	62.25	9.38		63	61	60	65	(4), 8, 9
		Uranus	66.75	18.94		66	66	65	70	(4), 8, 9
		Neptune	67.75	28.94		65	74	65	67	(4), 8, 9
		Pluto	71.75	34.04		67	82	70	68	(4), 8, 9
		A Centauri	105.75	276,169	4.367	106	105	106	106	(4), 8, 9
		Sirius A	119.25	543,864	8.6	115	120	121	121	(4), 8, 9
		Procyon A	120.75	724,730	11.46	121	121	122	119	(4), 8, 9
		Vega	130.25	1,583,530	25.04	130	130	131	130	(4), 8, 9
		Pollux	155.00	2,136,880	33.79	155	155	154	156	(4), 8, 9
		Aldebaran	171.00	4,214,314	66.64	170	170	172	172	(4), 8, 9
		Gacrux	199.25	5,600,534	88.56	198	199	200	200	(4), 8, 9
		Hadar	217.00	24,791,345	392.02	216	217	218	217	(4), 8, 9
		Adhara	227.25	25,622,318	405.16	225	227	228	229	(4), 8, 9
		Betelgeuse	262.75	31,490,358	497.95	250	275	268	258	(4), 8, 9
		Galaxy Centre	318.75	1,631,592,000	25,800	318	327	310	320	(4), 8, 9

Table 1. From an Observer on Earth, Distance and Field Strength of Planets and Stars within our Galaxy

Time	Date	Intent	L ave	Distance from Earth	Distance from Earth	L1	L2	L3	L4	Types of Subtle Energy
11:00:00	30/9/21	Intent	mms	AU	Light Years	mms	mms	mms	mms	
12:30:00		A Centauri	105.75	276,169	4.367	106	105	106	106	(4), 8, 9
		Sirius A	119.25	543,864	8.6	115	120	121	121	(4), 8, 9
		Procyon A	120.75	724,730	11.46	121	121	122	119	(4), 8, 9
		Vega	130.25	1,583,530	25.04	130	130	131	130	(4), 8, 9
		Pollux	155.00	2,136,880	33.79	155	155	154	156	(4), 8, 9
		Aldebaran	171.00	4,214,314	66.64	170	170	172	172	(4), 8, 9
		Gacrux	199.25	5,600,534	88.56	198	199	200	200	(4), 8, 9
		Hadar	217.00	24,791,345	392.02	216	217	218	217	(4), 8, 9
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		Betelgeuse	262.75	31,490,358	497.95	250	275	268	258	(4), 8, 9
		Galaxy Centre	318.75	1,631,592,000	25,800	318	327	310	320	(4), 8, 9

Table 2. Restricting Table 1 to non- Solar System planets in our Galaxy

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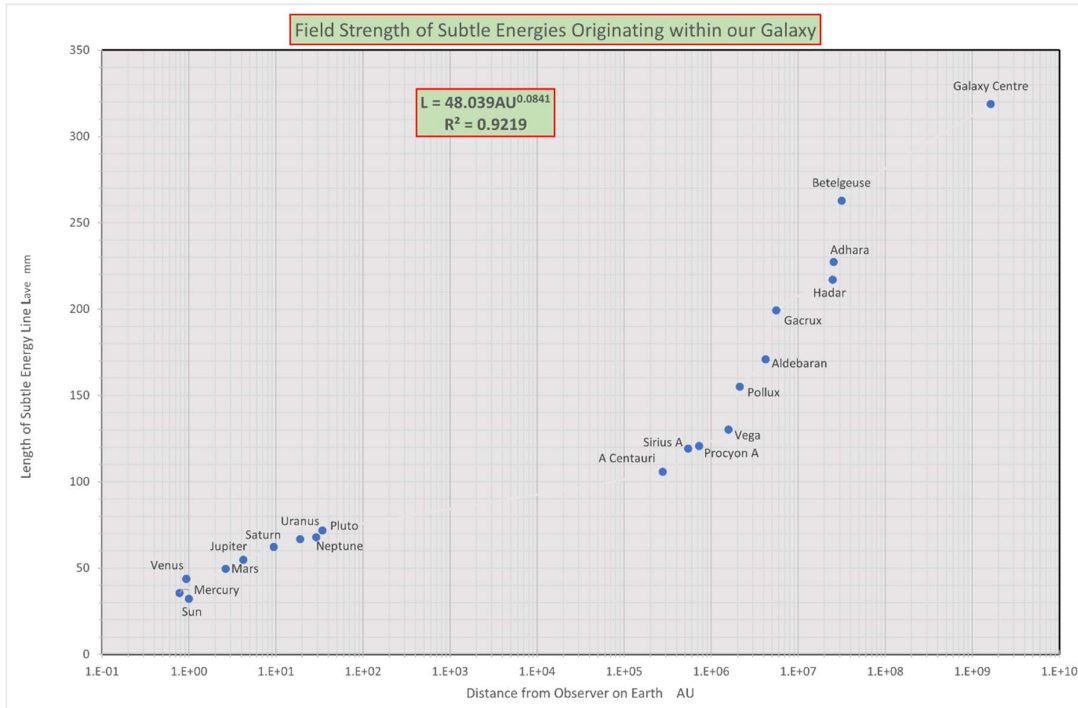


Figure 3. A Plot of the Length of a Noetically Perceived Yardstick Dot, against the Distance of the Planet, Arbitrary Star, and the Centre of the Milky Way, from the Earth-Bound Observer

It is immediately apparent that the Solar System planets have a different mathematical relationship (which previously has been established as logarithmic) to the stars in our Galaxy (which seems to be exponential).

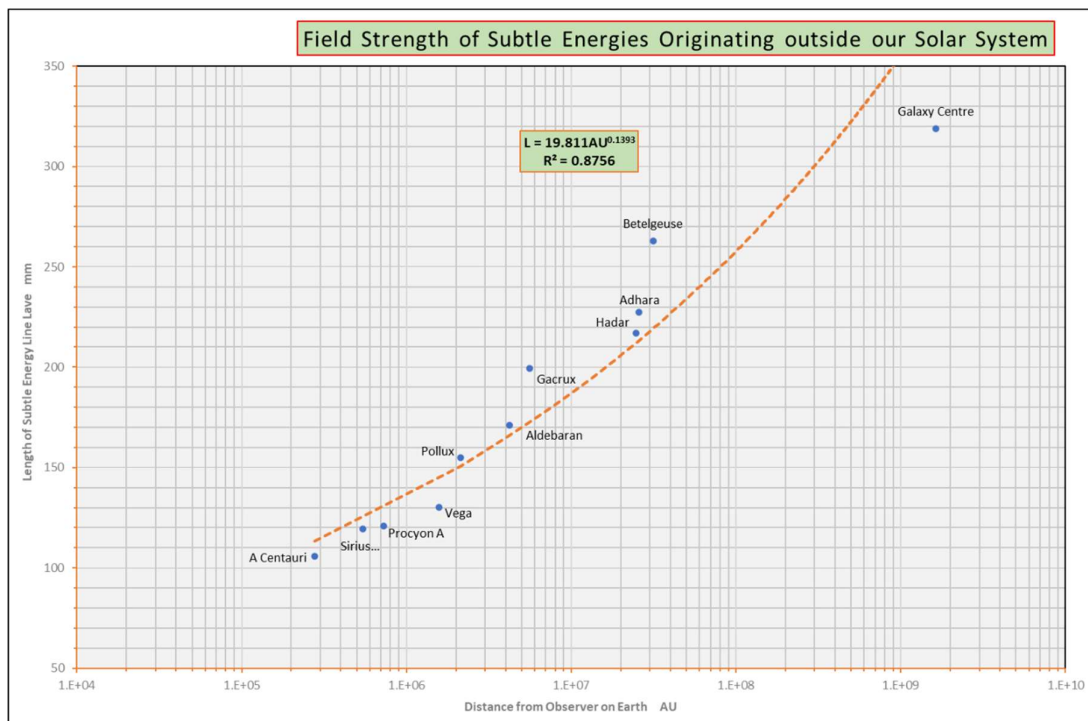


Figure 4. Trend line for a Selection of Stars in our Galaxy, excluding our Solar System planets

To examine this disparity in detail, Table 2 eliminates from Table 1 all the Solar System data which relates to planets, and the subsequent plot of stars leads to Figure 4. On inspection of Figure 4, the Excel trend line has a close fit to the actual data plot, which confirms the exponential relationship, but the correlation coefficient is slightly lower than for previous equations. However, as this experiment has not been done before, its accuracy is not expected to be high, as historically, it can take months of practical Noetic experience to produce higher accuracy with R^2 above 0.92.

These findings provide further confidence in the unusual technique that was adopted, (involving **L**), is an appropriate protocol. But possibly more unbelievable is that the joke that led to Figure 3 suggests that the conscious mind's intent can in fact link to the centre of the galaxy! Is this another example of Universal Consciousness?

To date, nine different types of Subtle Energy have so far been detected ⁴⁹. In the experiments in this paper, only 3 of these have been identified – Types 4, 8, and 9. Type 4 is very faint, but is usually associated with terrestrial experiments. Types 8 and 9 occur in astronomical experiments across the solar system, such as eclipses and conjunctions. As proven in the Appendices, they have speeds not only greater than light but are often instantaneous ³¹.

Experimental error

After hundreds of years of astronomical measurements, most of the reputable published mathematical factors, such as astronomical distances at the times of the experiments, and planetary mass, are very accurate. These relevant static data sources used in this research include NASA, US Navy Tables, and Royal Astronomical Society of Canada Observers. As the Earth orbits the Sun, using static data sources needs to be replaced by Stellarium software and Time and Date.com at the actual date and time of the experimental measurement.

The main source of experimental error is in the dates and time of the measurements of **L**. As explained elsewhere, **L** can be measured to ± 2 mm. Although the radio clock used was accurate to better than 0.1 seconds, the main problem was in synchronising the measurement of **L** with the clock. Therefore, a conservative figure is that time could be measured to an accuracy of ± 10 seconds. As is apparent, superimposing this experimental error has little effect on the findings and conclusions. To avoid criticism that the observer is influencing their own measurements, the data was analysed weeks or months after the events.

Conclusions

The major findings can be summarised in the following bullet points.

- Subtle energies are associated with the Sun, and planets in the solar system, seeming to extend to the stars and the centre of our Galaxy and possibly beyond. This observation can be added to many other sources of Subtle Energies, both terrestrial and astronomical sources, already studied and published.
- These experiments are another demonstration that the Extended Mind can not only reach across the solar system, but unbelievably at least to the centre of our Galaxy, and possibly to other galaxies!
- The intensity or field strengths of Subtle Energies measured by an observer on Earth indicates a significant increase with strong correlation to the observer's distance from the

source of the Subtle Energy. This correlation does not involve either rotation, spin, or mass. Instinctively a result opposite to expectations.

- Surprisingly, it is probably not gravity that causes the observed effects of higher gravity creating lower Subtle Energies.
- Solar System Subtle energies have a linear Log relationship with distance measured from the observer (**D**) of the form

$$L = x * \ln D + c \quad (i)$$

where **x** has a value between 6 and 12, and **c** is a constant in the range between 13 and -30. **L** is a measure of the strength of the local Subtle Energy as influenced by intent. This equation has an extremely high correlation coefficient **R² > 0.9**.

In summary, Figure 2, is a graphical representation of equation (i) which resulted when the mind's intent was limited to the Solar System. It is also a pictorial representation of this equation (i) on the 3 dates when the measurements were made. Simplistically, **lower** field strengths of Subtle Energies are perceived as gravity **increases**. Vice-versa, Subtle Energies **increase** asymptotically as gravity **decreases** (or distance increases). This is counter intuitive.

- To test the validity of this strange conclusion, subsequent cynical readings were taken in September 2021, when the mind's intent was extended to the centre of the Milky Way. Not expecting a sensible result, Figure 4 was the result, with the following trend line equation.

$$L = 20 * D^{0.14} \quad (ii)$$

$$R^2 = 0.87$$

But its correlation coefficient value is so unbelievably high, it needs an independent challenge!

- However, the above equation and its unexpected findings are exciting because they are compatible with the findings of other experiments discussed later. This relationship between Subtle Energies and Gravity produced a completely different but compatible exponential equation,⁴⁶ as detailed in Appendix 2. These findings also concluded that the mind can detect changes in the Newtonian gravitational force, **F_g**, that was caused by the Earth's orbital annual rotation around the Sun, and its daily spin around its axis. Over the course of a year, and because of the Earth's elliptical orbit, a plot of **L** produces the equation

$$L = 6E + 105 * F_g^{-\delta} \quad (iii)$$

which also has an extremely high correlation coefficient, **R²=0.9745**. The power index is Feigenbaum's constant within 0.013% error. Figure 9 in Appendix 1 is a pictorial representation of this equation. Simplistically, an observer perceives **lower** field strengths of Subtle Energies when positioned in **greater** gravity, and asymptotically **increased** Subtle Energy strength when located in **decreased** gravity. Another unexpected result, but identical to equation (i) above!

- The above equation (iii) is another example of the mind's ability to interact with natural forces and produce a universal constant, suggesting that once again consciousness is intimately connected to the fabric of the universe.

- The data for Figure 2 was measured on 3 different days and collected over a 5-month period. Figure 2 was then plotted as 3 closely superimposed graphs, each with remarkably high correlation coefficients. It would seem in this experiment, that **L** is time independent
- Studies in 2009 ²⁷ on tides and their dependence on new and full Moons are summarised in Figures 6 and 7 of the Appendix. They came to the same conclusion as statements (iv) and (v) below.
- Summarising this paper's findings, it would seem (after 12 years of research) that Subtle Energies exist from the Moon to at least the centre of the Galaxy, and they obey the following 2 laws: -

Their field strength **L** decreases as gravity increases **(iv)**

Their field strength **L** increases as gravity decreases **(v)**

- As the above two statements (iv) and (v) have been demonstrated to be true in several experiments in this paper, statement (v) supports the contention that **distance** measured from the **observer** and **not** gravity is the factor determining **L** in these cosmic experiments. This follows for 5 reasons:

- a. Because the initial experiments were local, it was natural to conclude that the changes in strength of subtle energies was due to gravity. However, it was only after interplanetary and inter galactical measurements were taken was it apparent that cosmic distance could be the prime reason.
- b. Because of law (iv) above, the vast gravitational strength caused by the black hole at the centre of the galaxy would incorrectly cause minimal Subtle Energies, when, in fact, the experimental findings are the opposite with maximum Subtle Energy strength at the galaxy centre.
- c. Philosophically, the conclusions of this paper are more satisfying by putting the observer as the origin of measurements rather than our Sun, which is an arbitrary point in our galaxy. This also makes the findings of this paper compatible with special relativity, where time and distance are not absolute, but depend on the observer's location and when the measurement is taken.
- d. It is hoped that explaining the reasons for the above equations and utilising the new knowledge and data in this paper, may make a contribution to achieving some of the 6 aims detailed in the Abstract of this paper.
- e. This would support ideas such as the mind's interaction with macro entanglement and the Universal Consciousness theory.

Postulations

- The reason for the exponential relationship of Subtle Energies associated with stars in the Galaxy differing from the logarithmic relationship of the planets in our solar system could be due to the orbiting of the planets round the sun, plus their spinning around their axes.

- The mind interacts with geometry, the laws of physics, and finds universal constants, such as Phi (ϕ) (The Golden Ratio 1.61083..).
- Universal Consciousness, which started with the Big Bang, is intimately connected to the structure and fabric of the Universe, and chaos theory⁴⁵. The solution to quantum gravity possibly involves consciousness.
- Experimental data suggests that the Extended Mind reaches beyond our Galaxy.
- This appendix summarises the unbelievable, non-intuitive but quantified findings of numerous experiments ranging from the local and parochial observer's mind, to extending the mind to intergalactic space. What is now left to research is what are Subtle Energies, how do they link to conscious intent, and why their intensity varies over vast distances? These topics for future research augment the objectives stated in the initial section of this paper.
- The mind can detect gravitational changes and universal constants.
- Information can be transmitted by the mind not only faster than light, but instantaneously.
- The findings in this paper have many consequences for cosmology. For example, the existence of instantaneous communication may avoid the need for *Inflation Theory*, just after the Big Bang, to explain the rapid expansion of the early Universe.
- These findings, which are in the macro world, are often compatible with quantum effects, such as entanglement of particles, in the micro world. It has long been known that observation, or in our case conscious intent, affects measurements.
- It would seem that the structure of the Universe enables 2 or more bodies to “know” where they are in space-time. Similarly, 3-interacting bodies must also “know” when they are in alignment. They all have instantaneous communication.
- Therefore, we should encourage a new meaning to the concepts of “mind” “intent” and consciousness”. So, more research is needed into how and why the mind interacts with the cosmos.
- Is it both the distance or gravity that changes L? If so, how and why? A possible answer is that L is a Subtle Energy beam created by the geometry of space-time. Using the language of General Relativity, higher gravity causes a higher distortion (or greater curvature) in the local geometry of space-time. It is postulated that this diminishes L in a similar way that clocks run more slowly when gravity is stronger. On the other hand, low gravity produces little distortion in the geometry of space-time so L can expand unhindered.
- Although seemingly unbelievable, by changing the intent of the mind, Entanglement can easily be created between any aspect of the solar system and the mind.
- Are Types 8 and 9 Subtle Energies the answer to *action at a distance*, and Entanglement in general?

- Is the inverse connection to gravity a suggestion that certain Subtle Energies (such as Types 8 and 9) are connected to Dark Energy, and the unexplained expansion of the Universe against the attraction of gravity?

The way forward

1. My objective for this paper is to find readers who would be interested in complementing their more orthodox academic research by further investigating and confirm my findings, leading to the inclusion of the mind, consciousness, and cosmology into their new physics research conclusions.
2. More people need to be trained in this technique of measuring L and repeat these experiments to improve confidence in not only the technique but in the accuracy of the results.
3. More research is required to understand the similarity or otherwise of the astronomical Subtle Energies studied here, to other Subtle Energies such as psi-lines, peace grids, and beams such as those emanating from Jupiter's Red spot, sunspots, geodes, or even the L beam created by a dot.
4. Figure 9, in the following Appendix 2, is an example of such Subtle Energy structures. The diagram represents the side view and cross-section of the internal structure of an Alignment Beam.
5. Why not attempt to extend Figure 3 to our nearest galaxy – Andromeda?

Appendix 1

Further Technical Aspects of L

As discussed above, and for the convenience of the reader, my original method for taking very accurate Noetic measurements is depicted in the copy of Figure1 below. Using a dot produces a tubular Subtle Energy beam, with an outward flow towards observers wherever they are located. This beam ends in a clockwise spiral, which is often perceived as a green 3-dimensional conical vortex with a vertical central axis ¹³. The perceived length of this beam I have defined as **L**, which is measured from the source dot to the central vertical axis of the spiral. In practice, **L** has values between 0-10 m (The width of the beam is about 10 cm diameter, but as this width is not used it is irrelevant in this paper).

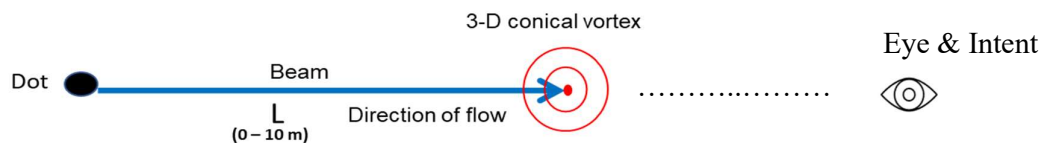


Figure A-1. Noetic Observation of a Dot

This Subtle Energy Beam should not be confused with auras which radiate out in all directions in an ellipsoid form from both physical bodies and geometric shapes. The size of these

ellipsoidal auras depends on many factors which include the shape, size and composition of the source object.

The author's preferred technique is to draw a dot, in pencil, on a small sheet of white paper fixed vertically to a wall at floor level. The act of observing the dot is key in producing the tubular Subtle Energy beam: this is analogous to observing quantum mechanics experiments. The orientation of the paper or the wall is irrelevant. It is the observer and the non-dimensional dot, not the 2-dimensional wall or paper that is important.

A tape measure is placed on the floor between the observer and the dot. The observer moves towards the dot using any method of Noetics until the central axis of the spiral is detected. To obtain the most accurate reading of **L**, attempting to use traditional pendulums or angle rods is probably not good enough. Device-less Noetics (obtained after many years of practice) is required by using a pointer no thicker than 1 mm. The observer kneels at floor level moving the pointer along the tape-measure until the spiral's vertical axis (suggesting local gravity is involved) is easily and accurately detected. The spiral may have a perceived colour of green, but its vertical axis may be perceived as white. This procedure also has the benefit of removing any parallax errors in measurements, between the observer's eyes and the tape-measure. Ideally, the data should be analysed days or weeks after the events to avoid sub-consciously influencing the measurements.

There are 3 reasons why **L** is a powerful technique for scientific research

1. **L** can be measured very accurately to within 1-2 mm.
2. **L** is very sensitive to both local and astronomical forces such as gravity, spin, magnetism, tides, light / electromagnetic fields, and (importantly), geometric alignments.
3. **L** is also affected by other subtle fields under investigation, such as their flow, colour, ability to pass through solids, or any vector properties. The latter is important because measurements of some Subtle Energy fields are affected by their orientation when taken. This is especially important for practical fieldwork such as the study of "earth energy" lines or psi-lines.

No doubt, some readers will be sceptical of these claims about **L** and require some proof. In March 2008 I introduced 13 cynical UK Dowsing Research Group members to this technique. Without any practice, they individually dowsed the dot and measured **L** without any difficulty. This was repeated on 6 occasions over 2 days. A summary of the results of the personal variations and group statistics appears in Table 1 and shows a 13% variance.

Repeating the group experiment 3 months later produced an interesting improvement in members of the group's performance ²⁴. As shown in Table 2, the standard deviation had improved from a group variance of 13% to 7%. Practice makes perfect! It took me about 3 years to reach an accuracy to 2 mm. These results give confidence in the protocol when using this technique.

When adopting Noetics to detect and then measure Subtle Energies, one does not perceive a physical entity, but is creating a model in the observer's mind ²⁰. A good analogy is with sight. Sight is a model in the brain – not just an image on the retina, but a perception in brain cells via the eyes' retina, colour separation, rods and cones, stereo vision, and information

transmissions along optic nerves to the brain. These separate components are combined in the brain and very young children learn to associate the 3-dimensional sight model in the brain with physical reality using touch.

	8/3/08 12:30:00 metres	8/3/08 16:00:00 metres	8/3/08 21:00:00 metres	9/3/08 09:30:00 metres	9/3/08 13:00:00 metres	9/3/08 15:00:00 metres	
DRG Member a	3.95	4.37	3.10	3.95	3.65	3.55	
DRG Member b	3.75		2.11	3.80	3.16	4.30	
DRG Member c	3.10	2.60	2.32	3.80	3.05	3.90	
DRG Member d	3.98		2.35	3.87	3.73		
DRG Member e	2.50	3.60	3.40	3.83	3.45	3.40	
DRG Member f	4.60	4.95	4.75	4.55	4.50	4.72	
DRG Member g	3.80	3.67	3.30	2.90		3.00	
DRG Member h	3.87	3.40	3.50	3.86	3.88		
DRG Member i	3.86	3.93	3.49	3.87	3.61	3.76	
DRG Member j	3.50	3.80	4.30		3.85	4.40	
DRG Member k	3.80	3.90			3.80	3.60	
DRG Member l	2.60	2.60	2.50	2.90	2.65	2.60	
DRG Member m		4.10	3.70	4.40		4.30	
Average	3.61	3.72	3.24	3.79	3.58	3.78	3.62
Stnd Deviation	0.46	0.50	0.63	0.32	0.36	0.50	0.46
%	12.64%	13.34%	19.55%	8.56%	10.12%	13.22%	12.76%
Maximum Value	4.60	4.95	4.75	4.55	4.50	4.72	4.68
Minimum Value	2.50	2.60	2.11	2.90	2.65	2.60	2.56
Max:Min Ratio	1.84	1.90	2.25	1.57	1.70	1.82	1.85

Table A-1. DRG initial variation in the measurement of L

	14/6/08 11:30:00 metres	14/6/08 16:00:00 metres	14/6/08 22:30:00 metres	15/6/08 09:30:00 metres	15/6/08 12:30:00 metres	
Average	5.46	5.38	5.49	5.48	5.21	5.40
Stnd Deviation	0.43	0.42	0.36	0.40	0.37	0.39
%	7.86%	7.79%	6.58%	7.22%	7.01%	7.29%
Maximum Value	5.98	6.16	6.32	6.01	6.00	6.09
Minimum Value	3.90	4.05	4.70	4.20	4.30	4.23
Max:Min Ratio	1.53	1.52	1.34	1.43	1.40	1.45

Table A-2. DRG subsequent variation in the measurement of L

In contrast, when using Noetics to “perceive” the same phenomenon as being viewed by normal sight, the two images are subconsciously placed in slightly different locations in the brain. The brain tries to superimpose its Noetic model onto its sight model. The two are not always synchronised, especially if the observer can neither see nor touch the Subtle Energy being investigated. Therefore, there are differences how each person’s brain superimposes its Noetic model onto its sight model. Everyone’s measurements are not absolute, but consistent. This explains the variances in Table 1 and 2.

Appendix 2 – Evolution of my Research that Led to my Unexpected Conclusions in this Paper

My research into Subtle Energies has extended over 40 years and resulted in 58 published papers and 2 published books. Noetic experiments have evolved via local terrestrial to the Earth and Moon interaction, to planets in the Solar System, leading to our galaxy and intergalactic space. They have included experiments involving Subtle Energy Beams created and measured during alignments across the solar system, such as eclipses of the Sun and Moon, to transits of Neptune and other planets by the Moon, as well as the alignment of 3 planets, one of which is the Earth. Some of these experiments are set out below.

Daily Variations in L

It will be noticed from Tables 1 and 2 that L changes during the course of the day. Figure 4 is a plot of the data in Table 1 and is typical when measuring L in any environment. This sinusoidal curve motivated me into researching the causes of these changes and I will now briefly discuss my findings of 13 significant measurements of L that challenge science.

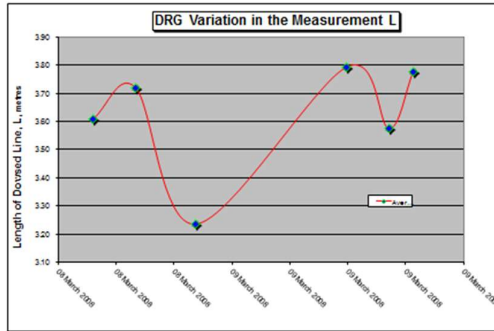


Figure A-2. A graphical representation of Table 1

Figure 5 is a graph of L over an arbitrary 30-hour period²⁶. Initially it looks like a graph of the stock market! The main factors are local sunrise and sunset, indicating peaks at sunset at 8:00 pm, and a trough at sunrise at 6:18 am on the date of measurement. There is a 25% variation in L from peak to trough.

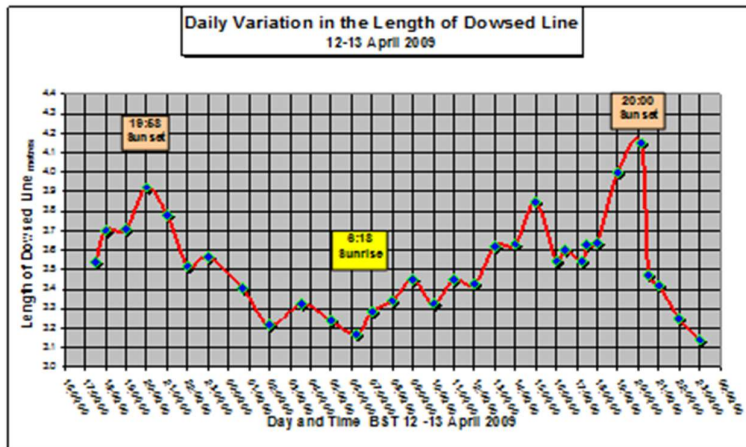


Figure A-3. Typical daily variations in L

Perturbations such as the Lunar Effects on L

Figure 6 is a plot of L over a Lunar Month²⁷. The main variations are due to the interaction of the Earth's and Moon's gravity. As depicted in Figure 7, a new Moon produces a higher gravitational force to an observer on Earth, as the Sun and Moon's gravity are pulling in the same direction. Counterintuitively, L forms a trough and shrinks to 0 metres near a new Moon. On the other hand, a full Moon produces a lower gravitational force on Earth, as the Sun and Moon's gravity are pulling in opposite directions. However, L increases near full Moon, and in this instance, L climbs to a peak of over 7 meters.

This is not the same as the cause of tides. Tides are daily. Full and new Moons are every 2 weeks. The effect on L is opposite to higher gravity causing higher tides. In general, higher gravity results in shorter lines. Lower gravity results in longer lines. The reasons for this are discussed in the following sections.

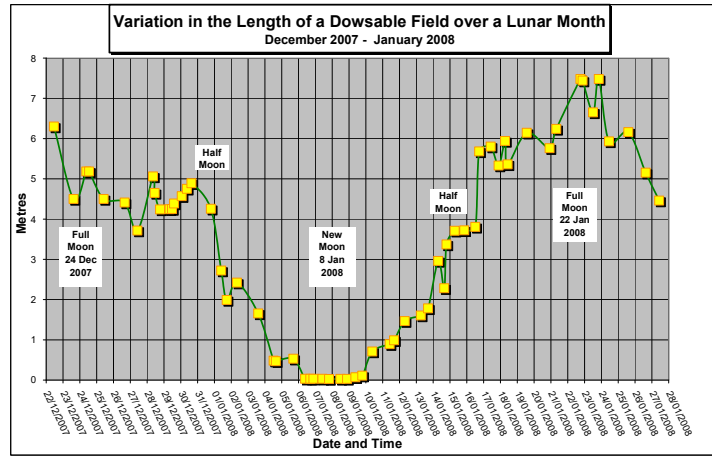


Figure A-4. The Moon’s Lunar Month effect on L

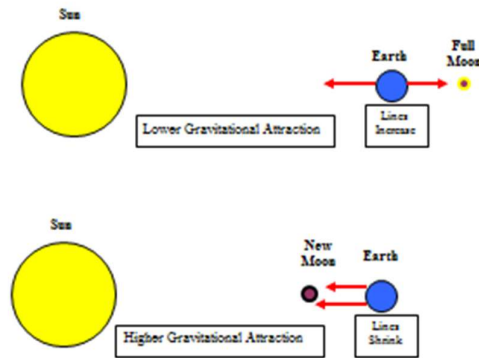


Figure A-5. The effect of the Moon’s gravity on Noetic Measurements on Earth

Over thousands of years, there has been anecdotal evidence of new Moon and full Moon affecting both plants and animal life. If the cosmos affects Noetics and our minds, what else does it affect: possibilities include health, mood swings, menstrual cycle, turtles hatching, and even lunacy?

L and Gravity in General

This section explores gravity in general, ambitiously, across the Solar System. Many years’ ago, I discovered that the dimensions of auras and subtle energies increased when climbing up low hills or up mountains. The effect is even greater when flying at 32,000 feet over the Atlantic: my experiments causing much consternation amongst the cabin crew!

These observations, together with those just discussed in relation to the Moon, caused me a Gravity Paradox as they presented 3 problems: -

1. Lower gravity producing longer lines did not seem logical. (It is opposite to tides)

2. The decrease in Newtonian gravity at the top of a hill, or even at 32,000 feet is insignificant compared to the significant increase in **L**
3. Why should the increased length of **L**, be many orders of magnitude greater than the inverse of the change in the Newtonian force of gravity?

With hindsight, these observations made in December 2007, are compatible with the conclusions of this paper 14 years later!

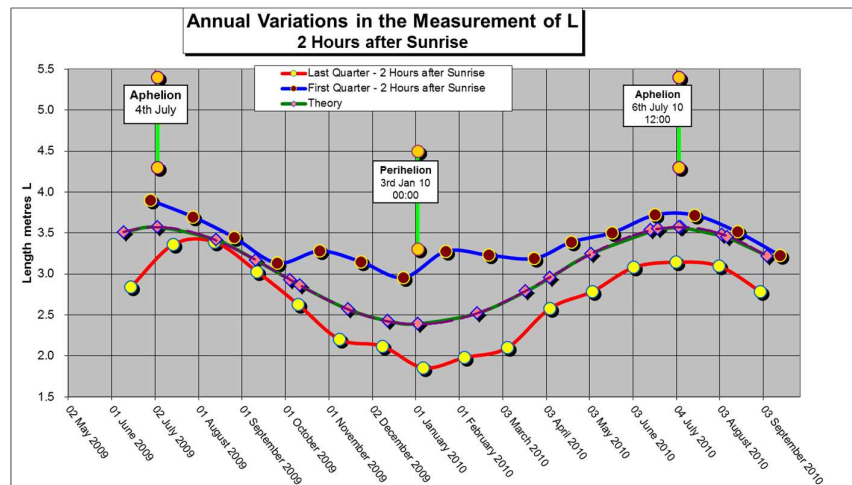


Figure A-6. The measurement of L over an 18-month period

Perturbations caused by the Planets in the Solar System

To solve this paradox, I measured L over an 18-month period, as the Earth's elliptical orbit provided a varying gravitational force between the Sun and Earth. The protocol was refined numerous times, to eliminate all non-gravitational variations. For example, measurements were made at the same time every day to overcome daily variance. In addition, dates were chosen to compensate for spin and rotation of the Moon. The findings are presented graphically in Figure 8.

Measurements on the top line were made when the Moon's orbit was in the same direction as the Earth orbiting the Sun. The bottom-line plots measurements taken when the Moon's orbit was in the opposite direction to the Earth going round the Sun. The middle line is an average of these two lines, in order to eliminate the effects of spin from gravity. The main features are:-

- Perihelion (when the Earth is closest to the Sun) produces a higher gravity: but a trough in L
- Aphelion (when the Earth is furthest from the Sun) produces lower gravity: but a peak in L

It is very reassuring, that after this 18 month experiment, these findings are compatible with Figure 6 and the earlier findings detailed above. However, these results did not resolve my double paradox –

1. Why was L affected by gravity? and

2. Why did weaker gravity produce longer lines?

Using the well-established Stellarium program, the data in Figure 8 was reanalysed about 1 year later to find the actual distance between the Sun and Earth each date and time L was measured. Using the standard inverse square law (involving the masses of the Sun and Earth, and G the gravitational constant) this actual distance enabled the precise Newtonian gravitational force between the Sun and Earth, on each date and time L to be measured ⁴⁶. Hence, as the Earth circled the Sun, L was plotted against the actual Newtonian gravitational force involved. This is shown in Figure 9 and led to my discovery of an enhanced Newtonian gravity equation, which is exponential,

$$L = 6E+105 F_g^{-\delta} \quad \text{A-(i)}$$

For the non-mathematical reader who finds equations off-putting, the essence of this formula is as follows: -

The length of the Subtle Energy Beam emanating from the dot (which is measured to be in the range 0 to 10 m for observations on Earth) is determined by a very large number divided by a similar number having 1 less nought (the Newtonian force of gravity F_g raised to the inverse power of a constant).

Encouragingly, just from inspecting the graph in Figure 9, and without any knowledge of mathematics or graphs, this equation is compatible with all the previous findings –

L increases as gravity decreases.

L decreases as gravity increases.

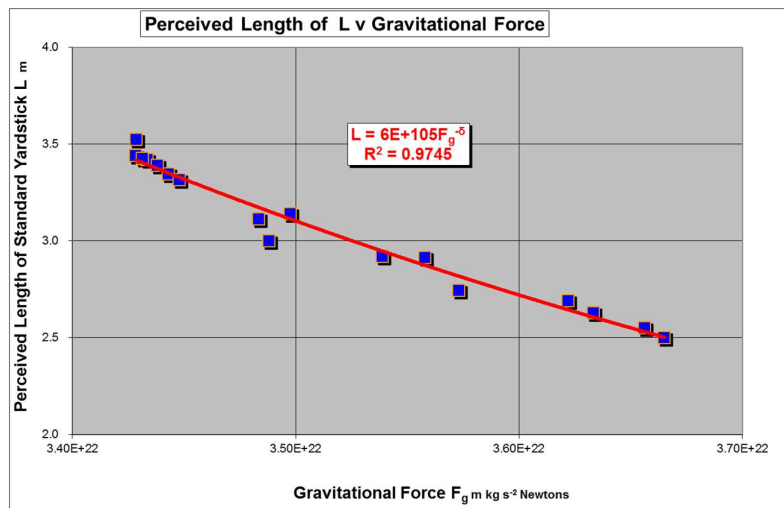


Figure A-7. The results of plotting the data in Figure A-6 against the actual gravitational force between the Earth and the Sun at the time of data measurements

Looking at this equation in more detail, it is immediately apparent that this formula has a very strong correlation coefficient $R^2 = 0.9745$ indicating that the data fits the equation to a very high accuracy. Even more important is that the power index, δ , is Feigenbaum’s first universal

constant. Data that produces universal constants are the gold standard for producing recognised scientific discoveries. Moreover, the power index in the equation (i) is within a remarkably accurate 0.013% error of the accepted accurate value of Feigenbaum’s constant, as depicted in Table A-3.

Power Index from Equation	4.6698
Feigenbaum's Constant	4.6692
Difference	-0.0006
% Difference	-0.0129%

Table A-3. Gravity, chaos, and the mind

Feigenbaum’s Constant is usually associated with bifurcation, fractals, turbulent flow, and chaos theory. (This seems to reflect the structure of the Universe and the evolution of life). I was obviously not only astounded by this unexpected relationship, but also with its very high accuracy. However, this still leaves 2 challenges.

1. How and why does gravity change L? A possible answer is that L is a quantification of the field strength of a Subtle Energy Beam created by geometry in space-time. Using the language of general relativity, higher gravity causes a higher distortion (or greater curvature) in the local geometry of space-time. I postulate that this diminishes L in a similar way that clocks run more slowly when gravity is stronger. On the other hand, low gravity produces little distortion in the geometry of space-time so L can expand unhindered.
2. Each side of the equation has totally different units: Length and Newtons (kg m s^{-2}). Normally, I would reject this result as bad data. However, as this equation has a very high accuracy, involving a universal constant (also to a very high accuracy), I feel this result should be taken seriously!

Subtle Energy and Geometric Alignment

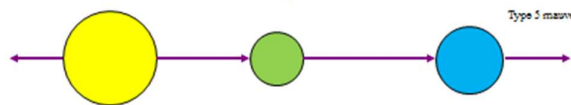


Figure A-8. A representation of a 3-body alignment beam

Any three objects in alignment, be they 3 grains of sand, 3 trees, 3 coins, 3 stones, 3 abstract circles drawn on paper, or even 3 objects in the solar system all form a strong Subtle Energy beam that experimentally has been perceived to extend endlessly. In each case, they always form a strong alignment Subtle Energy Beam, having the same properties. This is depicted in Figure 10. The Beams are perceived to go on endlessly. They are also perceived as having a mauve or violet colour ²⁸.

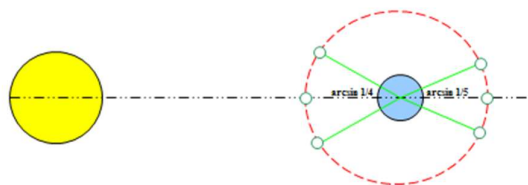


Figure A-9. The angular limits of 3-body alignment

What is the geometric tolerance of 3-body alignment in practice? As depicted in Figure A-9, for an observer on the blue sphere, the maximum deviation out of perfect alignment depends on the position of the observer in relation to the third body ³⁰.

- For observations from a “full Moon”, or inner body situation, the deviation from a straight line through the centres of the 3 bodies must be less than or equal to arcsine $\frac{1}{4}$ (14.4775°)

For observations from a “new Moon”, or outer body location, the deviation must be less than or equal to arcsine $\frac{1}{5}$ (11.537°). These integer constants of $\frac{1}{4}$ and $\frac{1}{5}$ cannot be coincidental, and their explanation presents a research challenge!

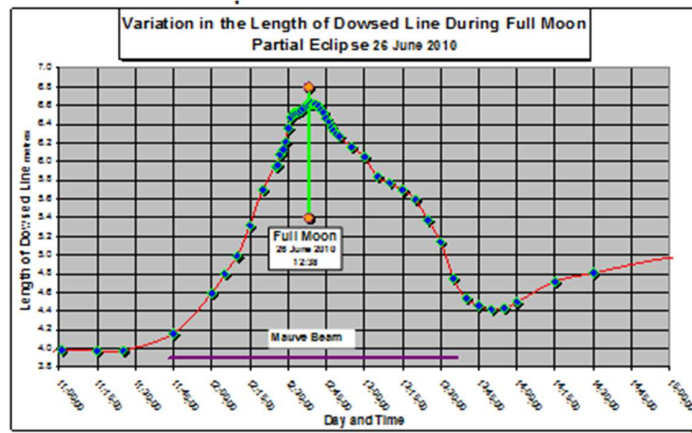


Figure A-10. An example of a 3-body alignment beam produced by an eclipse of the Moon

It is instructive to examine a lunar eclipse, which is a practical example of a 3-body alignment. The following eclipse was not even visible in the UK, where the measurements were made. The 3-body alignment Subtle Energy beam, which passed through the Earth, caused a peak in L. The data for this experiment is represented graphically in Figure 11. Note that the dot's white Subtle Energy beam, L, has been affected by the alignment beam's mauve colour. This shows that the alignment beam extends over the 2-hour duration of the peak and is the cause of this peak.

Subtle Energy Faster than Light

All astronomy is history, as it assumes that the light being observed has left its source sometime in the past. The published predictions for the exact times of astronomical events and alignments are based on observations made on Earth. Excitingly, alignment beams can be used to measure the velocity of the mauve Subtle Energy beam, and hence, the speed of the mind's perception of information can also be measured ³¹.

As in all Noetics, the mind's intent is important. I repeated the experiment in Figure A-12, but this time before starting, my mind's intent was on the speed of communicating Subtle Energy information along the 3-body interaction beam, with the relevant solar bodies. I have repeated minute by minute, accurate measurements of L on numerous Full Moons. Figure A-11 is two of many examples showing the difference between the predicted time of full Moon and the peak of L. In all cases, the detected peak was 5 - 10 minutes earlier than the published time of the full Moon, which is depicted as the vertical green lines. This time difference is the same

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order of magnitude as the time Sunlight takes to reach Earth from the Sun. This suggests faster than light communication by the mind.

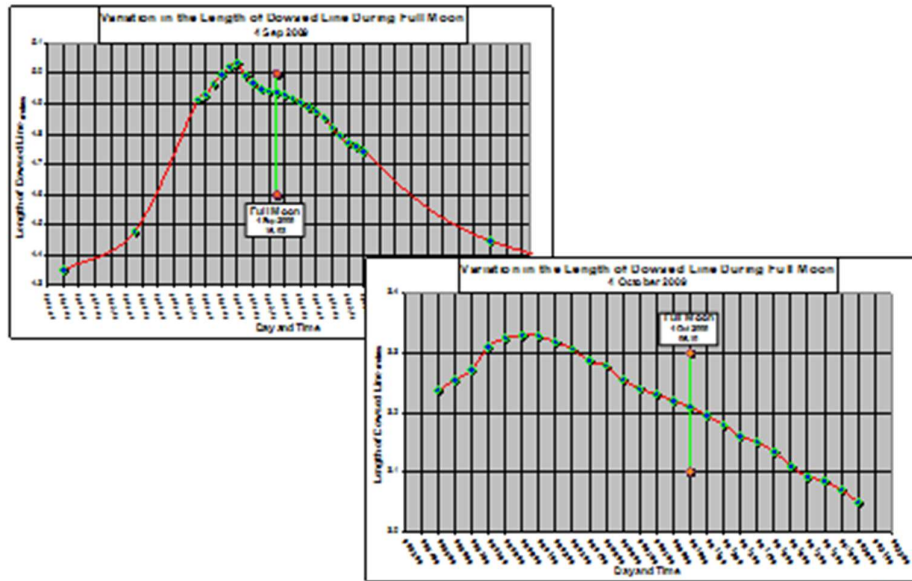


Figure A-11. Initial examples of faster than light experiments

What happens when accuracy is increased by using longer distances, and hence times, in the solar system? The following Figures plot the experimental values of L for Jupiter, Saturn, and Neptune conjunctions. In all cases, the mauve alignment beam lasts for the duration of the peak, and changes L from white to mauve.

In all these alignments, weeks after the experiment, and days after plotting the graphs, the accurate actual distance between the Earth and the planet under investigation on the day of the experiment, was ascertained from Stellarium as well as using the very accurate US Navy astronomical tables. Similarly, accurate prediction times were obtained by running Stellarium backwards, together with information from the International Occultation Timing Association.

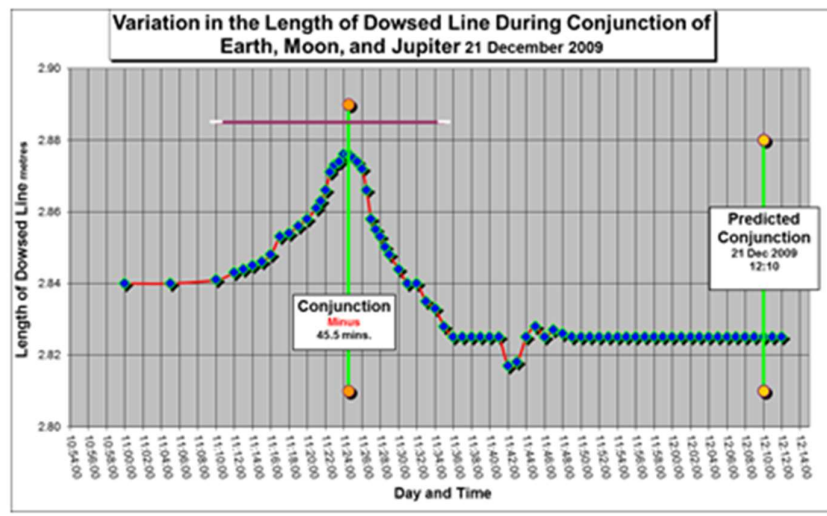


Figure A-12. Instantaneous communication across the solar system to Jupiter

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As shown in Figure A-12, the Jupiter peak was 45 minutes before the predicted time of conjunction, which is identical to the time light took to reach Earth from Jupiter²⁹. Using the speed of light in a vacuum, the accurate time reflected Sun light from Saturn took to reach an observer on Earth (on the day of the experiment), was 1 hour 18 minutes. Again, as shown in Figure A-13, this is in remarkable agreement with the 1 hour 19 minutes obtained from the Noetic data plotted weeks earlier.

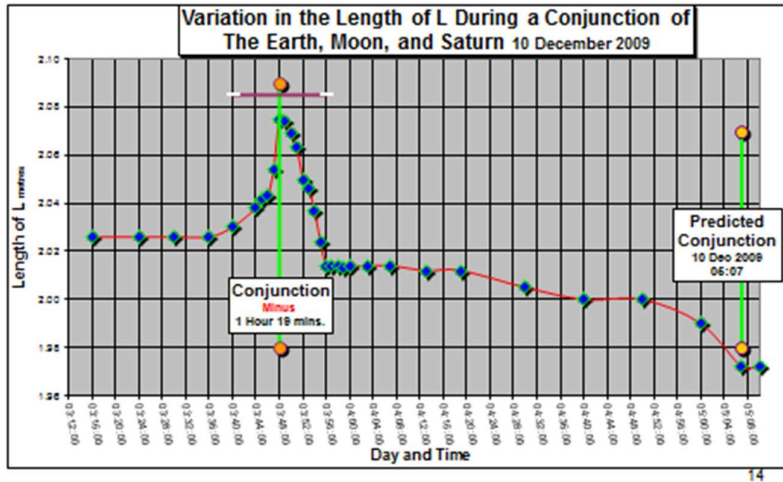


Figure A-13. Instantaneous communication across the solar system to Saturn

I wanted to discover if the extended mind could receive information much faster than light from the furthest planet. There was a good opportunity in September 2016 when there was approximately a 50% transit of Neptune by the Moon. As is apparent from Figure A-14, the graph shows all the same features as the previous alignments. The peak's maximum, as detected by the mind at 16:37:30, was 3 hours 51.43 minutes before the predicted time of the conjunction at 20:28:56. Light took 4.016 hours to reach Earth from Neptune at the time of transit. This demonstrates again instantaneous communication within a 3.95% experimental error.

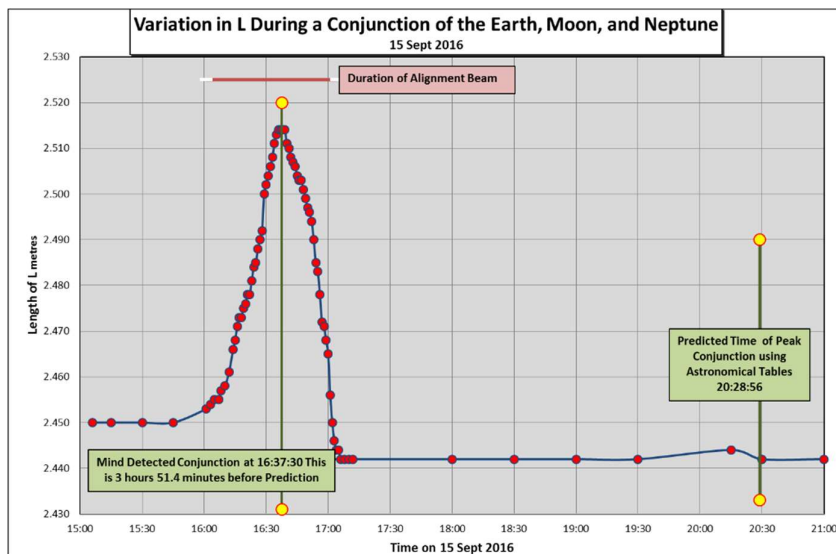


Figure A-14. Instantaneous communication across the solar system to Neptune

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Although the same methodology was used for all the above planetary alignments, a summary of these calculations for Neptune are set out in Tables 4, 5, 6 and 7, which also give an indication of the data's source. Table 7 combines the conclusions of the previous tables to prove that the mind can communicate instantaneously to Neptune with a better than 4% experimental error.

Stellarium/ IOTA		
End of Transit	Start of Transit	Duration
20:52:43	20:05:10	00:47:33

	h:m:s
Predicted Time at Peak Conjunction	20:28:56
Time at Mind Measured Peak Conjunction	16:37:30
Difference	03:51:26

Table A-4. Start and end times of conjunction Table A-5. Astronomical tables and mind detected peaks

US Navy			
Earth - Neptune distance at Conjunction	28.970749	AU	Speed of Light
1 AU =	149.597871	MioKm	metres per sec
Earth - Neptune distance at Conjunction	4333.96236	MioKm	299,792,458

Table A-6. The Earth - Neptune distance at conjunction

	mins
Time Light takes to reach Earth from Neptune at Conjunction	240.942372
Time Difference between Predicted and Mind Measured Conjunction	231.430000
Difference	9.512372
% Difference	3.95%

Table A-7. Calculation of the time light takes to reach the Earth from Neptune at conjunction

It is also of interest to note that for Neptune in Figure 15, the peak of L is 2.61% above the initial baseline; this is a similar order of magnitude as for Jupiter and Saturn. However, none of the above 3 conjunctions had the centres of their 3 bodies in perfect alignment. If rarer perfect alignments at conjunction were selected, it is possible that the peaks of L would be higher, and their percentage increase would be more consistent. Even so, it is with some confidence to postulate that a Subtle Energy alignment beam does not diverge across the solar system, and in this respect, it is similar to terrestrial psi lines.

These experiments demonstrate that the mind can communicate not only faster than light, but instantaneously across the solar system, and the structure of the universe is such to enable this to happen. It begs the questions: -

1. How do any 3 bodies of any composition, millions of kms apart know when they are in alignment?
2. How do they produce an alignment beam?
3. Is a form of universal consciousness involved?

It also confirms that macro entanglement is possible.

Intergalactic Space

There are several examples of visualising different geometric shapes in intergalactic space. The mathematical transformation between the two images is often a simple formula involving phi (ϕ). A few examples are given below, The experimental data is from Reference 40.

1 Line

On Earth, a noetic viewed line is transformed into 2 groups, each comprising 7 or 9 parallel lines either side of the source line, depending on whether the latter line was physical or abstract geometry. Again, how do the noetic sources “know” if they are abstract geometry, or physical bodies. These 7 or 9 parallel lines are affected by, and probably created by, the local forces such as varying gravity and spin, which also affect their separation distances.

In comparison, in intergalactic space, a line of length l (not to be confused with the yardstick L) is transformed into one parallel line either side of the source line, and of equal length, l . The observations (in reference 40) are the blue diamond data points in Figure 16, which plots the separation distance, d , between the perceived noetic lines and the source line, against the length of the source line l

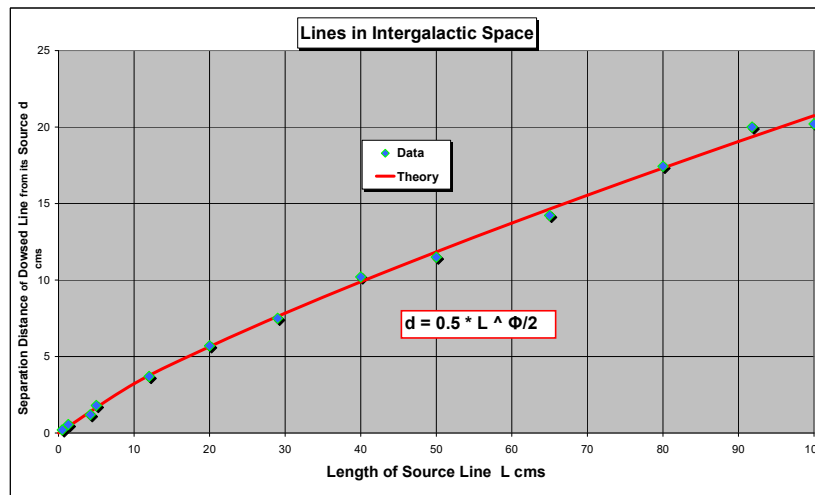


Figure A-15. Lines in Intergalactic Space

The graph demonstrates a very good fit between this data obtained noetically, and the heuristic power equation superimposed.

$$d = 0.5 * l ^ \phi / 2 \quad (i)$$

Equation (i) only involves the two length variables and the universal constant Phi (ϕ). As equation (i) was only discovered many days after the data was collected, the accusation is eliminated that the noetic observer was only seeing and measuring what he was expecting.

1 Circle

Noetically viewing and measuring the radius of the aura of an Earthbound circle, unexpectedly, is not an exact concentric circle. An accurate value of a can only be obtained after taking an average of about 20 points around the circumference. This is demonstrated in Figure A-16.

As is apparent, the size and shape of the aura depends on the orientation and direction of the measurement. Aura maxima occur at 0° , 135° , and 270° . i.e. north, south-east, and west. This suggests that the Earth’s magnetic field extends auras towards the north pole; the Earth’s rotation on its axis from west to east extends auras to the west; whilst a Coriolis effect could be the vector force causing the south-east maxima.

[https://D.Docs.Live.Net/3680ed601257c2d8/Documents/Noetics/Research/58. Subtle Energies Conscious Intent And Our Expanding Universe V17 12 Oct 2021.Docx](https://D.Docs.Live.Net/3680ed601257c2d8/Documents/Noetics/Research/58.Subtle.Energies.Conscious.Intent.And.Our.Expanding.Universe.V17.12.Oct.2021.Docx)

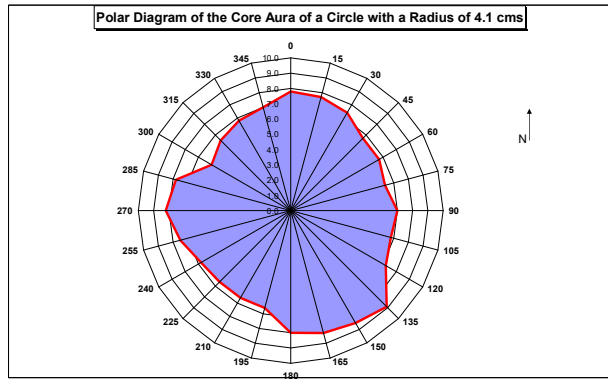


Figure A-16. Core Aura of a Circle on Earth

In comparison, Figure A-17 shows the aura for the same sized source circle in intergalactic space. This is a near perfect concentric circle with none of the above perturbations, proving once again that the Earth's local forces affect observations and perception.

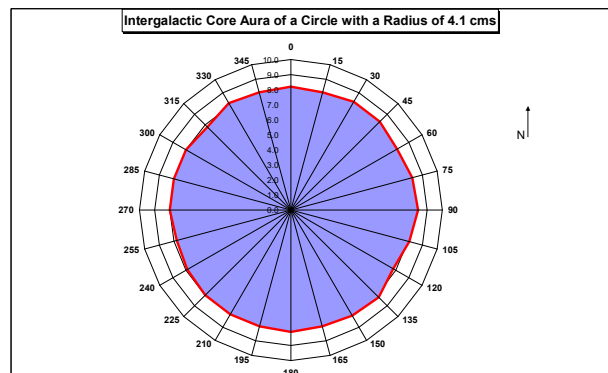


Figure A-17. Core Aura of the Same Circle in Intergalactic Space

Other Geometric Examples in Intergalactic Space

As long suspected, Phi (ϕ) is part of the structure of the cosmos, but up to now no scientific quantitative connection existed to consciousness. This has now been rectified and confirmed formally and scientifically. Several simple formulae have been discovered that involve the mind linked to the universal constant phi (ϕ), with no arbitrary constants, and a 2 : 1 ratio. As these equations were discovered weeks after the data was obtained, these discoveries could not have been made by chance or with pre-meditation. To illustrate the importance of Phi (ϕ) in intergalactic space, the following summarises further examples.

- The length of a perceived line, d , compared to its physical length, l is

$$d = 0.5 * l ^ \phi / 2 \quad \text{(i)}$$

- For a circle of radius, r , the radius of that circle's core aura, a is

$$a = 2r \quad \text{(ii)}$$

- The radius of a perceived circle's outer aura, a , compared to its physical radius, r is

$$a = \varphi * r \wedge \sqrt{\varphi} \quad (\text{iii})$$

- The maximum distance, S_{\max} , between 2 bodies of radius r , for their interaction is

$$S_{\max} = 2 * r \wedge \varphi \quad (\text{iv})$$

- S_{\min} , the closest 3 bodies, each of radius r , can interact is

$$S_{\min} = 4(r + r \wedge \varphi) \quad (\text{v})$$

The Structure of Subtle Energy Beams

The internal structure of the alignment beams is 7 or 9-fold fractal geometry, and is similar to mind generated psi-lines⁴³. One of several internal structures is shown in Figure A-18. This cross-section comprises 3 rings each with 7 Subtle Energy “rods” and a central core, held together by a web that keeps the beam parallel indefinitely. This fractal geometry pattern is repeated smaller and smaller for each rod and core. Alignment beams created by solar bodies probably have diameters greater than that of the Earth. Because these alignment beams are fractal, the local L beam acquires the same geometry but at a much smaller size than the beam being investigated.

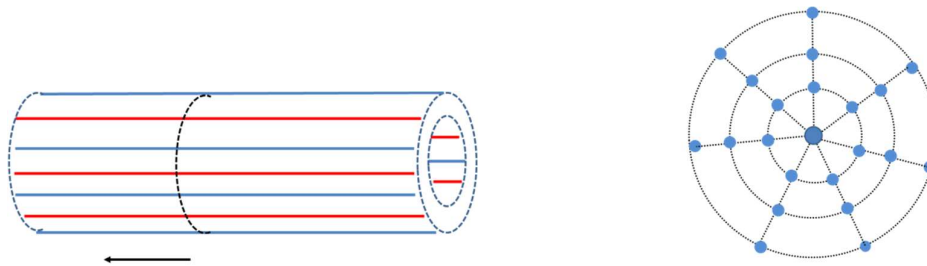


Figure A-18. An example of the side view and cross-section of the internal structure of an alignment beam

Is this how Subtle Energies communicate information across the cosmos?

Author’s References

Author’s Website - <http://www.jeffreykeen.co.uk/>

Author’s Latest Book - **The Mind’s Interaction with the Laws of Physics and Cosmology**

<https://www.jeffreykeen.co.uk/buy-the-book>

For the convenience of the reader not having to search for the relevant Journal, the following reference numbers relate to a copy of the original published paper on the author’s website.

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