

28. The Causes of Variations when Making Dowsable Measurements Part 4 - The Effects of Geometric Alignments and Subtle Energies

by

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Pre-amble and Abstract

Comprehension of the structure of the universe requires a theory of quantum gravity. Attempting to link quantum physics with general relativity is one current approach. Many researchers, including the author, believes that the solution lies not just in physics, but involves consciousness and cognitive neuroscience together with understanding the nature and perception of information. As dowsing involves all the latter factors it has proved to be a powerful and relevant research tool. This paper combines these ideas in a non-orthodox approach linked by geometry.

This is the fourth of a 5-part complementary series of papers examining several local and non-local factors which affect dowsing measurements, and hence giving an insight into perception and consciousness. Previous papers identified daily, lunar monthly and annual cycles caused by gravity having a significant effect on consciousness and information.

Via the use of a standard yardstick, significant discoveries are announced in this paper, including the following:-

1. Certain geometric alignments of any three bodies, be they 3 pebbles, 3 circles drawn on paper, or 3 astronomical bodies produce significant resonance peaks and troughs that are readily detectable by the yardstick.
2. These peaks and troughs are shown to be the varying intensity of a subtle energy beam (of a currently unknown nature).
3. These sharp peaks and troughs augment the slower gravitational changes at new and full moon (identified in Part 2) that affect animal behaviour.
4. Properties are measured and comparisons are made between these subtle energies and the more usual earth energies or mind created psi-lines.
5. Measurements demonstrate that the sun, earth, and the moon behave identically to these subtle energies when in geometric astronomical alignments (such as new and full moon or eclipses).

These findings lead to the following deductions.

6. The structure of the universe, from the Planck level to galaxies, enables 2 or more geometrical bodies to be “aware” of each others existence and precise location.
7. Similarly, the structure of the universe enables 3 geometrical bodies to “know” instantly when they are in perfect alignment.
8. As the same results are obtained for 3 large interacting cosmic bodies as for 3 micro objects, the findings support Global Scaling Theory (GST).
9. Applying GST, quantum entanglement could be explained using the same process involving subtle energy and geometrical alignment as demonstrated for macro objects.

Yardstick and Protocol

A standard yardstick and protocol (*See Reference 20*), has been established which involves geometry and the simple measurement of the length of a dowsable line. This has been adopted as the basis for the experiments detailed here relating to subtle energies resulting from geometric alignments.

As an introduction, background and context, this paper should also be read in conjunction with Part 1 (*See Reference 21*) and Part 2 (*See Reference 22*). These relate to personal and daily variations in dowsable measurements respectively. Part 3 (*See Reference 23*) relates to the effects on consciousness of gravity.

Predicted dates and times for new and full moons were from several websites which all gave the same dates and times. The main reference used was the US Navy's website <http://aa.usno.navy.mil/data/docs/MoonPhase.php>.

Variations at New Moon

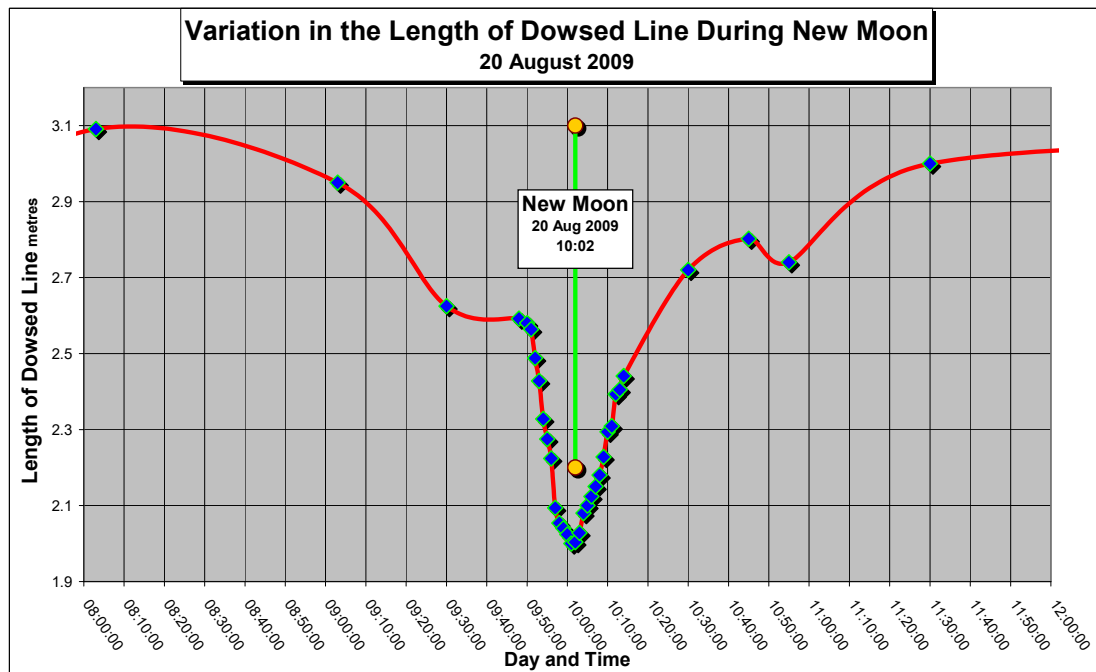


Figure 1

The data for the graphs in previous papers were collected over long time frames – weeks, months, and years. This section details how the length of a dowsable yardstick line changes at new and full moon with measurements made over short periods of time measured in seconds and minutes. There is a sudden drop in length at new moon. This same phenomenon has been confirmed for several new moons.

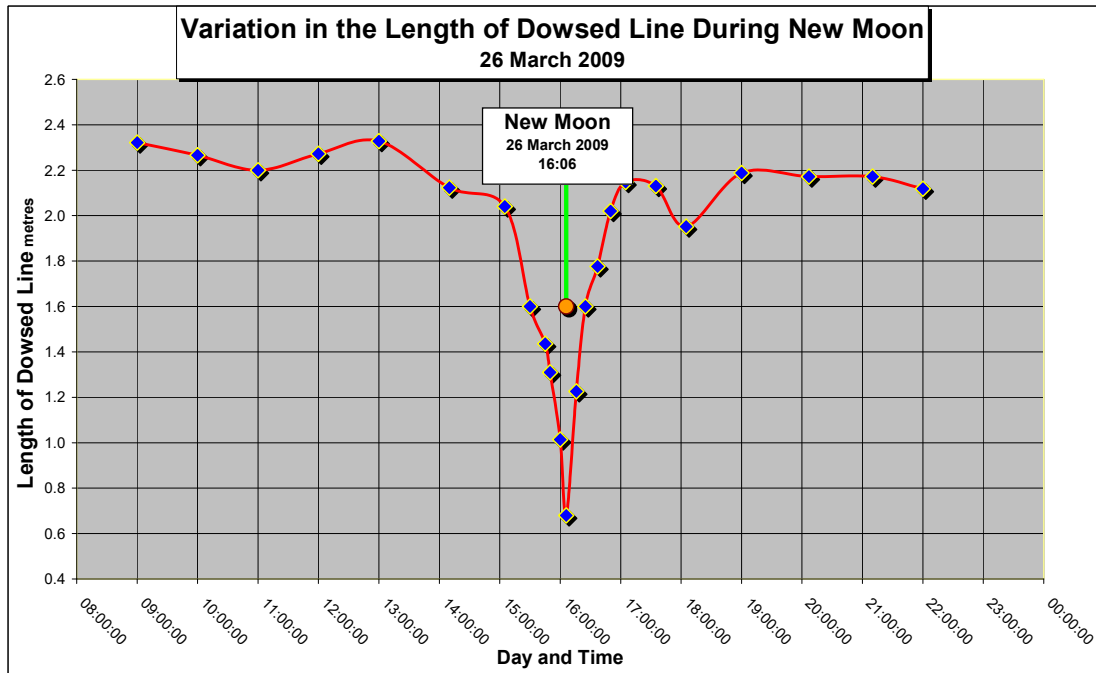


Figure 2

Figure 1 shows the variation of the yardstick length at the predicted time of the new moon which occurred on 20th August 2009 at 10:02 am. As is apparent, there was a significant drop in length, about 1 hour either side of actual new moon, from about 2.9 metres down to 2.0 metres; a dip of about 31%.

Figure 2 shows the same experiment on the new moon of 26th March 2009 at 4:06 pm. This also produced a significant drop in yardstick length - the sharp trough occurred at the predicted time of new moon, and extended, as before, about 1 hour either side of actual new moon. On this occasion, the line reduced from about 2.3 metres down to 0.7 metres; a dip of about 70%.

Variations at Full Moon

If significant dips occur at new moon, what happens at full moon? Figure 3 shows the variation over the course of a 18 hour period during the full moon on 11th March 2009 which was at 2:38 am GMT, when there was a significant peak in length, about 6 hours either side of actual full moon. The measured length increased from 4.2 metres to 6.4 metres; a peak of plus 52%.

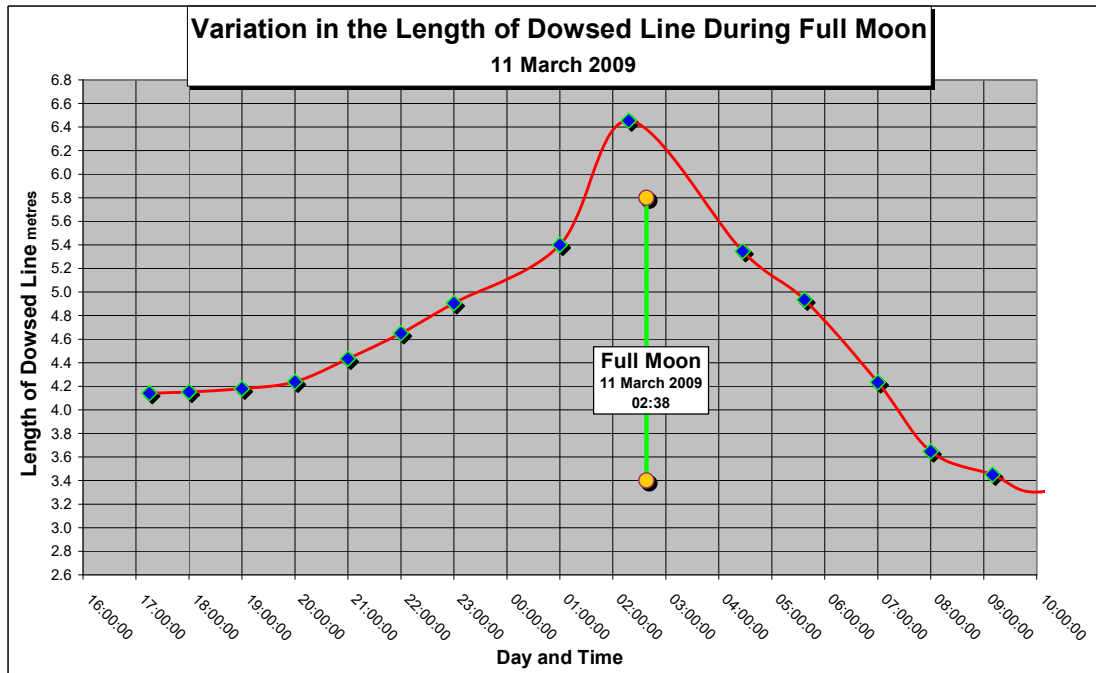


Figure 3

Figure 4 shows a similar variation over the course of a 12 hour period during the full moon on 7th June 2009 which was at 18:12 GMT, when there was the same sharp peak in length, about 6 hours either side of actual full moon. The measured length increased from 5.0 metres to 9.3 metres; a peak of plus 86%.

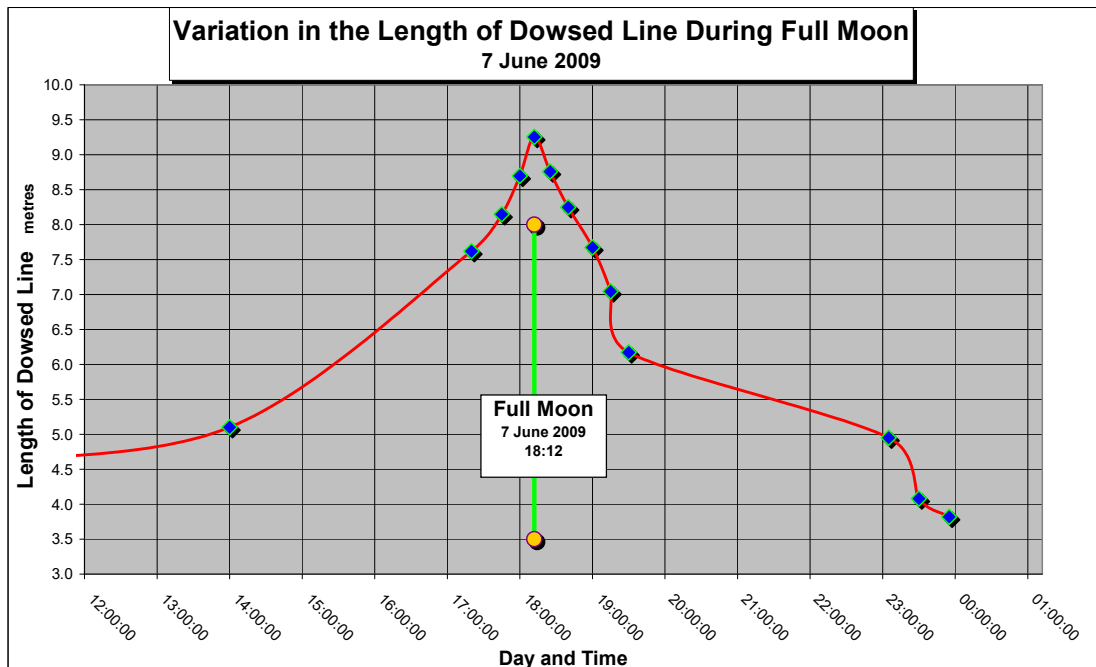


Figure 4

What causes the sudden peaks and troughs at full and new moons, and why is the effect 6 times longer at full moon compared to new moon?

Gravity or Resonance

On initial inspection, the above results would appear to be consistent with Part 3 of this complementary series of papers. It was shown there that lower gravity at full moon produces a line of maximum length, whilst higher gravity at new moon results in a shorter line of minimum length.

But are the above peaks and troughs also due to gravity, or is it a resonance peak from a different cause?

In Part 3 gravitational changes associated with the orbits of the earth and the moon occurred slowly over a period of time. For example, in relation to the moon's gravity, the maxima extend over 10 days and the minima over 4 days, while in relation to the sun's gravity the minima extends over weeks rather than days or hours. Gravity, therefore, makes slow changes over weeks.

In contrast, on the new and full moon graphs in Figures 1- 4, the peaks are sensitive over seconds, and minutes. This suggests a different effect than gravity. The sudden peaks suggest a resonance effect. The 6:1 ratio between the duration of the effects at new and full moon is also not explained by gravity.

To answer these questions it is first instructive to take a general look at earth energy lines, mind created psi-lines, and other subtle energy lines.

Subtle Energies and their Properties

The properties of the following different forms of subtle energies have been measured and compared.

- “Natural” earth energy & psi lines.
- 2-body interactions between solid bodies.
- 2-body interactions between pure geometrical shapes.
- The interaction of 3 aligned solid objects.
- The interaction of 3 aligned pure geometrical shapes.
- A “laboratory” simulation of new and full moon.
- Actual cosmic alignment of the sun, earth, and moon at full and new moon.

Of particular interest is the subtle energy beam created at full and new moon, which has strange properties shared by some of the above.

Using the yardstick and protocol, these experiments measured the length, frequency, type of dowsable field, and Mager colour of the yardstick line when immersed in the different subtle energy beams. Two important advantages of the dot yardstick are that

(a) It is non destructive and does not interfere with the subtle energy fields under investigation.

(b) It takes on the properties of the subtle energy field in which it is immersed.

All these subtle energy beams have a direction of “flow”. A major part of the research is to discover what happens when measurements are made in different directions – along the flow or against it.

Earth Energy & Psi Lines

Earth energy lines, or mind created psi-lines are a useful starting point to illustrate “flow” and that measurements are significantly affected by it. Measurements may be stretched or compressed depending if made with or against the direction of **flow of the energy line**. Table 1 gives specific examples of this interesting effect, on arbitrary days.

Mary Line at Glastonbury

Outside the Mary Line	0.915 metres	
With the flow	1.955 metres	+114%
Against the flow	0.670 metres	-27%

Psi Line

No Psi line	2.332 metres	
With the Psi flow	4.155 metres	+78.2%
Against the Psi flow	0.507 metres	-78.3%

Table 1

When placing the yardstick on the Mary Line at Glastonbury, its measured length in the direction of flow increased by 114% compared to its length just outside the line. However, when measured against the flow its length decreased by 27%.

An arbitrary mind created psi-line created indoors increased the yardstick’s length by 78.2% with the flow, but decreased its length against the flow by 78.3%. It is unusual for the percent increase and decrease values to be the same.

The above findings suggest that the inexplicable subtle energy “flow” is a vector that affects dowsing, and this general phenomenon is consistent with all the earth energy and psi lines investigated by the author. This leaves the obvious question, to be discussed later: What is “flow”?

2-Body Interaction

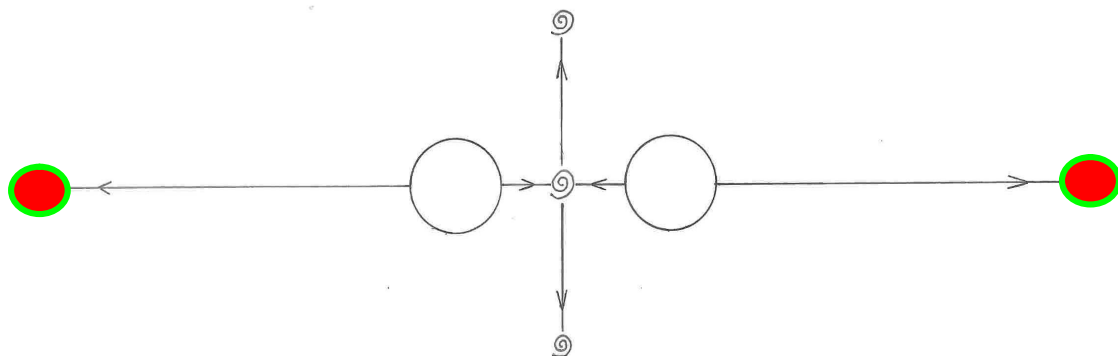


Figure 5

Another type of dowsable subtle energy beam is produced when two bodies interact. This can be observed by conscious intent. (See references 7, 19). These may be 2 circles drawn on paper, 2 coins, 2 stones – in fact any 2 objects. The main condition is that the 2 auras (see reference 8) must overlap, as this creates a subtle energy beam through the 2 centres, as depicted in Figure 5. The length of the beam is relatively short and depends on the separation distance between the two objects. The beam is a Type 4 category, (see Reference 9) and is terminated by spirals at each end. These spirals bifurcate: each split produces a similar line which has half the length of previous curved lines and also terminating with a bifurcating spiral.

Comparison 1

Table 5 compares the properties of earth energy lines, psi-lines, 2 interacting stones, and 2 interacting circles. To facilitate comprehension, the findings are summarised in a bullet point format, with the detail in Appendix 1. All the yardstick lengths are increased when measured with the subtle energy flow, but decreased when measured against the flow. The frequency of all these types of subtle energies dowses in the in kHz range. But this needs to be independently confirmed. The Mager colour is usually white.

	Natural Earth Energy Line	2 Stones	2 Circles
Length of Yardstick in the Subtle Energy Beam			
% change when measured with flow	56%	21%	33%
% change when measured against flow	-34%	-35%	-50%
Invariant to direction of measurement	X	X	X
Frequency			
Subtle Beam frequency	195 kHz	300-400 kHz	776 kHz
Yardstick frequency when not in beam -Type 1 Line	115 kHz	94 kHz	
Yardstick frequency when not in beam -Type 3 Spiral			377 kHz
Yardstick in beam (T1 & T3)	116 kHz	300-400 kHz	776 kHz
Yardstick takes on beam frequency	?	√	√
Mager Colour			
Beam Mager colour	None	White	White
Yardstick Mager colour	White	White	White
Yardstick in beam	White	White	White
Yardstick takes on beam colour	?	√	√

Table 5

The unexpected conclusions from Table 5 are that two interacting bodies have similar properties to earth energy and psi lines. Even more surprising is that 2 stones are equivalent to 2 circles. This suggests that in consciousness studies, pure geometry is equivalent to matter without mass.

3-Body Interaction

The conscious intent of dowsing three aligned geometric shapes produces a subtle energy beam with very interesting properties. These may be any 3 objects: 3 pure geometric circles drawn on paper, 3 coins, or 3 stones. But in this case their auras must **not** overlap in order to create a subtle energy beam passing through the 3 aligned centres. This beam has a perceived flow emanating outwards from the largest object.

Unlike the relatively short beams produced by 2-body interaction, the length of the beam produced by 3-body interaction tends to infinity. It does not possess any spirals, nor does it bifurcate. This beam affects dowsing measurements in a different way to the earth energy lines, psi lines and 2-body beam, as summarised in Figure 5, and Table 5. A further complication is that the properties of this subtle energy are different near the central object compared to one of the outer objects.

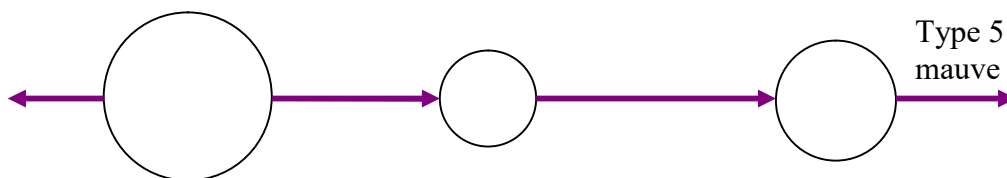


Figure 6

Comparison 2

To investigate the latter claim, let us examine the properties of the yardstick line near the central object. This is equivalent to the earth in the full moon configuration. The details are contained in Appendix 1, but the findings are summarised in Table 6, which relates to several actual full moons, as well as 3 drawn circles or 3 solid bodies.

	Central Stone	Central Circle	Actual Full Moon
Length of Yardstick in the Subtle Energy Beam			
% change when measured with flow	114%	123%	144%
% change when measured against flow	103%	133%	144%
Invariant to direction of measurement	√	√	√
Frequency			
Subtle Beam frequency	77 mHz	776 mHz	300 mHz
Yardstick frequency when not in beam -Type 1 Line	75 kHz		177 kHz?
Yardstick frequency when not in beam -Type 3 Spiral		370kHz	
Yardstick in beam (T1 & T3)	77 mHz	760 mHz	300 mHz
Yardstick takes on beam frequency	√	√	√
Mager Colour			
Beam Mager colour	Mauve	Mauve	Mauve
Yardstick Mager colour	White	White	White
Yardstick in beam	Mauve	Mauve	Mauve
Yardstick takes on beam colour	√	√	√

Table 6

As is apparent, in all cases lengths are always **increased**. Length is **invariant** to the

direction of measurement. The frequency is in the mHz range, which is 3 orders of magnitude greater than earth energies or 2-body beams discussed previously. The beam dowses Type 5 characteristics with a Mager colour as indigo/mauve, compared to Type 4 and white previously. (See reference 19).

Comparison 3

Let us examine the properties of the yardstick near the outer object. This is equivalent to the earth in the new moon configuration. The findings are summarised in Table 7, which includes several actual new moons, as well as 3 drawn circles or 3 solid bodies.

	Outer Stone	Outer Circle	Actual New Moon
Length of Yardstick in the Subtle Energy Beam			
% change when measured with flow	-29%	-39%	-86%
% change when measured against flow	-29%	-31%	-86%
Invariant to direction of measurement	√	√	√
Frequency			
Subtle Beam frequency	75 mHz	777 mHz	300 mHz
Yardstick frequency when not in beam -Type 1 Line	75 kHz		75 kHz
Yardstick frequency when not in beam -Type 3 Spiral		370kHz	376 kHz
Yardstick in beam (T1 & T3)	77 mHz	760 mHz	300 mHz
Yardstick takes on beam frequency	√	√	√
Mager Colour			
Beam Mager colour	Mauve	Mauve	Mauve
Yardstick Mager colour	White	White	White
Yardstick in beam	Mauve	Mauve	Mauve
Yardstick takes on beam colour	√	√	√

Table 7

In all cases, lengths are always **decreased**. Length is again invariant to the direction of measurement. This is the only difference to the central object in Table 6. All other properties are the same. The frequency is in the mHz range, and the Mager colour is mauve.

Observation	3-objects	2-objects
Auras must overlap	x	√
Short beam length dependent on the separation	x	√
Vortex produced	x	√
Bifurcation	x	√
Type 4 lines	x	√
Lengths measured are not invariant to direction	x	√
Mager colour when aligned	mauve	white
Frequency of perceived beam vibrations	mHz	kHz

Table 8

Comparison between 2 and 3-Body Interaction

It is instructive to re-examine the arguments in favour of the 3-body experiments emulating the sun, earth, moon situation. Table 8 summarises the findings for multi-body interactions. As we have discussed, the subtle energy beam produced by 2 interacting objects has very different properties to the subtle energy beam produced by 3 aligned objects. All the properties measured at actual new and full moons are identical to the 3-objects column in Table 8.

Extrapolations to the Sun, Earth, and Moon

It is now opportune to extrapolate to the sun, earth, and moon, the conclusions discussed above from the experiments with earth energies, psi lines, 2-body and 3-body subtle energy beams. Subtle energy always flows out from the larger body. In this case it is the Sun. As depicted in Figures 7a and 7b, one would have thought that the following model would explain these variations:-

- Figure 7a illustrates the alignment of the sun earth and moon at full moon. X marks the location of the person observing the full moon. The subtle energy beam flows away from the observer. This expands the length of any dowsed lines, as observed.

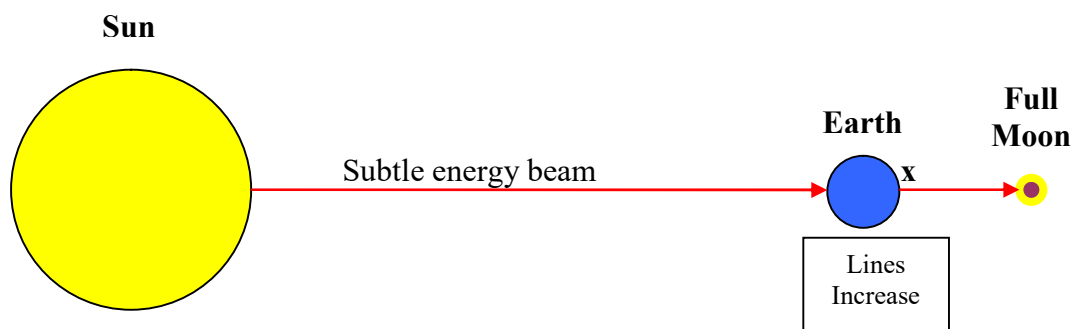


Figure 7a

- Figure 7b illustrates the alignment of the sun, earth, and moon at new moon. X marks the location of the person observing the new moon. The subtle energy beam flows towards the observer on Earth. This contracts the length of any dowsed lines, as observed.

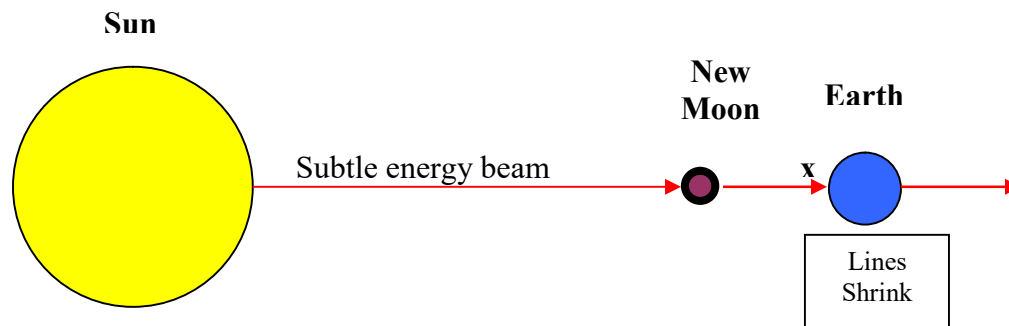


Figure 7b

Unfortunately, this simplistic view is wrong. It does not represent what actually is observed.

The increase or decrease in the yardstick lengths is the same at day or night. As the earth spins on its axis, the directions of flow, as perceived by the observer, become reversed. But at full moon the lines remain increased, while at new moon they remain decreased. They are not affected by the 24 hour change of flow direction. In contrast to earth energies, psi lines, and 2-body subtle energy beam, the flow direction of a 3-body subtle energy beam is irrelevant when measuring dowsed lengths. In this case, measurements using 3 stones or 3 circles are decreased if made near the outside of the 3 objects, or increased if measured near the middle of the 3 bodies. This effect is identical to dowsing at new moon and an eclipse of the sun, or at full moon, as detailed in Parts 2 and 3 of this series of papers, and depicted in Figure 7, and as shown in Tables 6 and 7.

There is the same effect as **gravity** (e.g. lines become shortened near new moon because of stronger gravity), but in this case lines become shortened by the **location** of the observer in the subtle energy beam, which is a totally different cause. The properties of the beam change around the middle object. Philosophically, is this a coincidence, or is there a connection?

Shape of the 3-Body Subtle Energy Beam

Experiments to dowse the shape of the subtle energy beam are instructive. Figures 8 and 9 illustrate the shape of the subtle energy beam around the 3 interacting bodies.

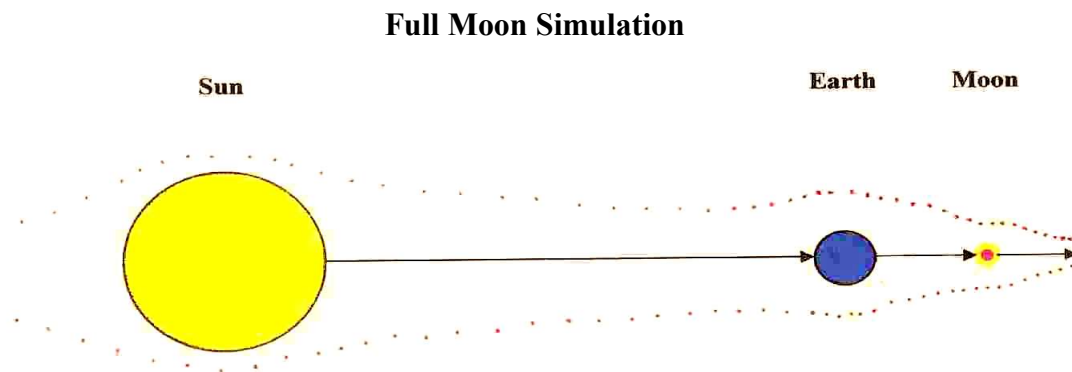


Figure 8

As mentioned earlier, provided their auras are not overlapping (so there are no 2-body interactions), identical results are obtained for the shape of the beam by moving any 3 small pebbles, or 3 coins, or 3 circles drawn on paper, so they are in alignment.

In Figure 8, the central object is larger than the outer object. This configuration is equivalent to full moon. Note the width of the beam, which was obtained by dowsing the boundaries. It expands around the middle object to about twice its diameter, but about 7 times the diameter of the outer object. The latter is the last to receive the “flow” via the larger object. The length of the yardstick line increases around the middle object. Further research is required to understand why.

New Moon Simulation

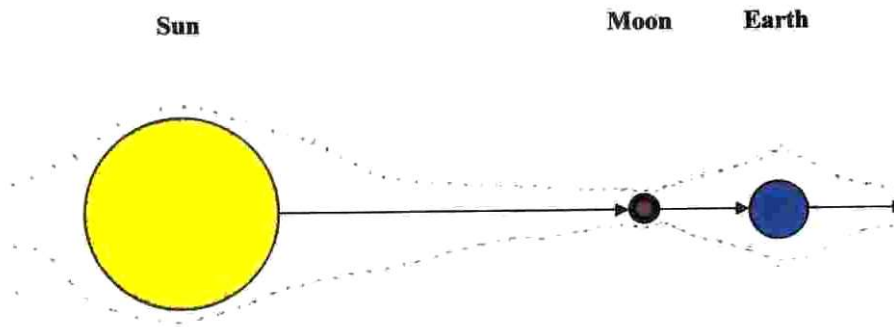


Figure 9

In Figure 9, if the middle object is now the smallest, the width of beam becomes very narrow round the middle object. It is about the same as its diameter. The yardstick line shrinks when measured near the outer object. This configuration and findings are the same as at actual new moon.

This invites the question how far does the beam extend and is the beam parallel or divergent. As an illustrative experiment 3 stones with diameters of 5.3cms, 2.2cms, and 2.4cms were separated, in that order, so they formed an alignment resonance beam. The average diameter of the beam after it had left the 3 stones was 1.35cms when measured 2 metres from the 2.4cms outer stone. The diameter of the beam had almost doubled to 2.66cms after 48 metres.

The beam is therefore not parallel but slightly divergent. This equates to a divergence angle of the beam on exit of $\arctan 0.000137$. This is the 4th time the author has found the reciprocal of the Fine Structure Constant (FSC) when dowsing geometric shapes. (*See Reference 19*). This invites the question as to why, and suggests yet another example of consciousness closely connected to the structure of the universe.

This reasoning leads to the interesting problem for future research into all 3-body interactions. Using the new and full moon scenario, when does the moon's orbit around the earth trigger the creation of the subtle energy beam? In other words how does the moon know it is about to align with the sun and earth, and is touching the subtle energy beam if this beam has not yet been created!

The Moon's Transit Times

Having established the shape of the subtle energy beam, and the geometry involved, it is now appropriate to return to the question posed earlier. Why is the resonance peak only 1 hour either side of new moon, but 6 hours either side of full moon?

Even if one ignores the numerous parameters required to define the moon's complex orbit around the earth and sun, an order of magnitude calculation is helpful in attempting to understand the dynamics of the new and full moon resonance. Only two key figures are required:

1. The moon's diameter = 3,475 kms
2. The moon's mean orbital speed = 1.022 kms per second

Consequently, on average, in 1 hour the moon travels $60 \times 60 \times 1.022$ kms. This equals 3,679 kms, which is the same as the moon's diameter of 3,475 kms within a 6% error.

When discussing earlier the shape of the subtle energy beam in Figures 8 and 9, the 3 objects used for simulation of new and full moon were not in the exact ratios of their mass or dimensions for the sun, earth, and moon. Nor were they separated by the correct relative distances. The following calculations can therefore only give approximate answers.

Extrapolating the above findings to the new moon configuration in Figure 9, the beam width narrows to about the diameter of the central object, which in this case would be the moon. It would therefore take about 2 hours transit time for the moon to clear the beam.

In Figure 8, which equates to the full moon configuration, the beam width widens around the outer object (i.e. the moon) to about 7 times its diameter. It would therefore take about 8+ hour transit time for moon to clear the subtle energy beam.

This is a good desk top approximation to the actual results of 2 hour troughs at new moon, and 10-12 hours duration for the peaks at full moon. It is safe to conclude that the observed peaks at full moon and troughs at new moon are caused by resonance when the moon passes through its self created alignment beam.

Why the 3-body Model is Correct

The question was posed earlier whether the effects discussed in this paper were caused by gravity or resonance. This section summarises the evidence.

Gravity has slow time scales measured in weeks and months. These peaks and troughs occur in minutes and hours. Experiments on 3-bodies have demonstrated that geometrical alignments produce a dowsable subtle energy beam that seems to extend over vast distances, and is not restricted by their separation distances. Table 8 confirms that all the measurements at new and full moon are identical to the 3-body model.

By inference, the critical alignment, which occurs at both new and full moon, is when the centres of the earth, moon, and sun are in a straight line, and this produces a subtle energy beam that also passes through their centres. This suggests that the peaks and troughs in Figures 1-4 are a resonance effect and an additional, but transient dowsable effect, to that produced by gravity. We are seeing an effect of cosmic geometry, not just gravity.

The fact that alignment produces a subtle energy beam is confirmed by two experimental results.

1. The transit times for the moon have good agreement with the theory
2. The divergence angle of the beam includes the Fine Structure Constant.

Only at eclipses will, these effects be at a maximum, as the centres of the sun earth and moon will be in perfect alignment. Usually at new or full moon, the sun earth and

moon are not in perfect alignment. The resonance effect is still present, but is not so pronounced.

There is additional evidence in favour of our 3-body model. 2-bodies interact to produce a variable length subtle energy beam depending on separation distance (see references 7 and 9). However, this phenomenon is not relevant here because of 2 reasons.

To interact, and produce a subtle energy beam, the 2-bodies need to be separated by a distance equal to or less than their combined aura radii. Due to the logarithmic relationship between mass and aura size (see references 4, 7 and 9), the auras of the earth, moon and sun only extend over tens and hundreds of miles, not thousands and millions of miles.

The length of the subtle energy resonance line generated by two interacting bodies varies according to the separation distance between them. However, at the optimum separation distance the maximum length of this line is about 50 times the aura radius, which again is insufficient to extend to the sun or even the moon.

Conclusions

A major achievement of this paper is that the properties of subtle energies have, for the first time, been measured, analysed and documented. The findings here have also been shown to be repeatable. Subtle energies significantly affect dowsing measurements. For certain subtle energies, the observed length may depend on the direction of its measurement.

The subtle energy beam leaving either side of 3 interacting bodies extends over large distances and is slightly divergent. When dowsing, pure geometry (i.e. images not involving matter or mass) has the same effect as solid bodies and mass. It is relatively easy to accurately simulate new and full moon by drawing circles on sheets of paper. Geometric astronomical alignments, not gravity, cause resonance effects at new and full moon.

How does the sun, earth, and moon (or any 3 bodies) know when they are in alignment? Conventionally, the information for this alignment via electromagnetic or gravitational waves would travel at the speed of light and would take about 9 minutes from the sun to earth. In addition, the bodies would need some awareness or consciousness to know they were aligned, and then be able to produce the subtle energy beam. None of these concepts seems possible with current main stream physics.

However, if geometry and consciousness are built into the structure of the universe, it is possible to start understanding 3-body alignment. Also as a result of the structure of the universe, it would also seem that the information transfer required for this phenomenon is instantaneous. This is proved in Part 5 of this series of complementary papers by comparing the velocity of light from the Sun, Jupiter, and Saturn to the actual time of the alignment resonance peaks, using the protocols discussed here.

The unexpected conclusion from comparisons 2 and 3 is that actual full and new moons have identical properties to interacting small stones or mass-less geometric shapes. Again, there seems to be an equivalence between pure geometry, and matter without the effects of mass. The fact that the sun, earth, and moon behaves identically to small stones and geometric patterns is the ultimate example of Global Scaling Theory.

These findings support the theory that the structure of the universe seems to be based on a geometry, which is repeated from the Planck level (10^{-35} m) to galaxies. This geometry is between 5-11 dimensions depending on the academic source; from 5-D holograms to string theory. The structure of the universe must also enable the 3-bodies to know when they are aligned, and then be able to produce a subtle energy beam.

Perception, even by the sub-conscious mind, is affected by subtle energies which originate both terrestrially and astronomically. It would appear that the mind is aware of information, via the Information Field, not the body as a direct physical reaction from the subtle energy beam. Although it is well known that some subtle energy beams affect both mental and physical health, the beams discussed here are only transient lasting a few minutes. It is therefore unlikely that this form of subtle energy is detrimental. This 3-body beam could be the trigger that causes fish to spawn at full moon, or the menstrual cycle, and many other documented biological events at full moon.

All the above evidence supports the usefulness of dowsing as a research tool.

The Way Forward, and Suggestions for Future Research

As always, discoveries in research generate more questions than answers. Interesting questions and suggested topics for future research include the following:

1. In earth energy lines, 2-body interactions, or mind created psi-lines, measurements are stretched or compressed depending if the measurements are made with or against the direction of **flow of the energy line**. *Why?*
2. What is the “**Flow**”?
3. Any 2 interacting objects, be they solid bodies or pure geometric shapes, produce identical effects. The same applies to 3 aligned circles drawn on paper or 3 solid bodies. There seems to be an equivalence between pure geometry, and matter without the effects of mass. *Why?*
4. How do the 3-bodies know when they are aligned? Is this a consequence of the structure of the universe?
5. Why does alignment produce a subtle energy beam?
6. Why does 3-body resonance produce peaks and troughs?
7. The subtle energy beam produced by 2 interacting objects has very different properties to the subtle energy beam produced by 3 aligned objects. *Why?*
8. Unlike earth energies, or the subtle energy produced by 2 interacting bodies, yardstick measurements made in the 3-body subtle energy beam are invariant to the direction of flow. *Why?*
9. In 3-body alignment, measurements are decreased if made near the outside of the 3 objects, or increased if measured near the middle of the 3 bodies. This effect is

identical to dowsing at new moon and an eclipse of the sun, or at full moon. The reason is possibly the shape of the subtle energy beam. *Why?*

10. Why does resonance cause changes in measurements?
11. Why has high gravity a similar effect as resonance, in shortening lines near new moon?
12. And why has lower gravity a similar effect as resonance in lengthening lines near full moon?
13. The effects of gravity seem similar to those of resonance. Philosophically, is this a coincidence, or is there a connection?
14. Why does the beam's divergence angle contain $\arctan 137$?
15. How does the moon know it is about to align with the sun and earth, and is touching the subtle energy beam if this beam has not yet been created!

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References and Bibliography

1. The British Society of Dowsers, Earth Energies Group : *An Encyclopaedia of Terms*
2. The British Society of Dowsers website <http://www.britishdowsers.org/>
3. James Spottiswoode, Journal of Scientific Exploration : June 1997, Vol. 11, No. 2, Cognitive Sciences Laboratory, Palo Alto
4. *Measuring Range*, September 2001, Vol. 39 No. 273 The Journal of the British Society of Dowsers
5. The Journal of the British Society of Dowsers : *Measuring Dowsing*, Volume 39 No. 273, September 2001
6. *The Physics of Dowsing & the Brain*, December 2001, Vol. 6 No 24 The BSD Earth Energy Group Newsletter
7. *Two Body Interaction Parts 1&2*, December 2002 & March 2003, Vols. 39 & 40, Nos 278 & 279 Dowsing Today
8. Dowsing Today : *Auras Revisited - Parts 1, 2, 3*, December 2003 – March 2005, Vol. 40 Nos. 282, 285, 287
9. Keen, Jeffrey : *Consciousness, Intent, and the Structure of the Universe*, Trafford, 2005, 1-4120-4512-6, <http://www.trafford.com/robots/04-2320.html>
10. The American Dowser : *The Anatomy of Conical Helices, Consciousness, and Universal Constants* – Parts 1- 4, February - October 2007, Vol. 47 Nos. 1, 2, 3, 4
11. Physics World : *Dark Energy*, December 2007, Vol. 20 No. 12
12. Dowsing Today : The Journal of the British Society of Dowsers : *Angkor Wat, Consciousness, and Universal Constants* – Parts 1- 2, September - December 2007, Vol. 41 Nos. 297, 298
13. ASD Digest : *The Tree of Life and Universal Constants*, Winter 2008-09, Vol.49 Issue No. 1
14. Further details can be found on the author's website www.jeffreykeen.uk
15. Physics World : *The Digital Universe*, Seth Lloyd, November 2008, Vol. 21 No. 11
16. Dowsing Today : *Measuring the Size of a Dowsable Field*, September 2008, Vol. 41, No. 301
17. Network Review : *From Banks and Ditches to Dowsing Two-Dimensional Geometry*, Spring 2009, No. 99
18. *A Model of Consciousness*, April 2009, Vol. 65 No 4 World Futures – The Journal of General Evolution, Taylor & Francis
19. Keen, Jeffrey : *Dowsing Geometry - A Database of Patterns Analogous to X-ray Crystallography*; September 2009, e-paper.
20. Keen, Jeffrey : *A Standard "Yardstick" and Protocol for Dowsing Research Measurements*; October 2009, e-paper.
21. Keen, Jeffrey : *The Causes of Variations When Making Dowsable Measurements; Part 1 - Introduction and Personal Factors*, 28 November 2009
22. Keen, Jeffrey : *The Causes of Variations When Making Dowsable Measurements; Part 2 Daily Variations Caused by the Earth Spinning on Its Axis*, 10 December 2009,
23. Keen, Jeffrey : *The Causes of Variations When Making Dowsable Measurements; Part 3 Monthly and Annual Variations caused by Gravity* , 24 December 2009.

Further Reading

- a. Bekenstein, Jacob : *Information in the Holographic Universe*, Scientific American, 2003
- b. Bohm, David : *The Undivided Universe*, Routledge, 2005, 041512185X
- c. Bohm, David : *Wholeness and the Implicate Order*, Routledge, 1980
- d. Bird, Christopher : *The Divining Hand*, Shiffer Publishing, 1993
- e. Curran, Jude : *The Wave*, O-Books; 2005, 1-905047-33-9
- f. Dyer, Dr Wayne : *The Power of Intention*, Hay House 2004
- g. Edwards, Lawrence : *The Vortex of Life*, Floris, 1993, 0-86315-148-5
- h. Greene, Brian : *The Fabric of the Cosmos*, Allen Lane, 2004
- i. Hansard, Christopher : *The Tibetan Art of Positive Thinking*, Hodder, 2003
- j. Hawking, Stephen : *The Universe in a Nutshell*, Bantam Press, 2001
- k. Keen, Jeffrey : *Consciousness, Intent, and the Structure of the Universe*; Trafford; 2005; 1-4120-4512-6; <http://www.trafford.com/robots/04-2320.html>
- l. Laszlo, Ervin : *The Connectivity Hypothesis*, SUNY Press, 2003
- m. Laszlo, Ervin : *Science and the Akashic Field*, Inner Traditions; 2004;
- n. 1-59477-042-5
- o. Lyons, James : *Quantifying Effects In Consciousness*, University of Hull 1998
- p. McTaggart, Lynne : *The Field*, Harper Collins, 2001
- q. Merrick, Richard : *Interference (A Grand Scientific Musical Theory)*, 2009, 978-0-615-20599-1
- r. Mitchell, Edgar : *Nature's Mind: the Quantum Hologram*,
<http://www.edmitchellapollo14.com>
- s. Penrose, Roger : *Shadows of the Mind*, Oxford University Press, 1994
- t. Penrose, Roger : *The Emperor's New Mind*, Oxford University Press, 1999
- u. Pribram, Karl : *Consciousness Reassessed*, Mind and Matter, 2004
- v. Radin, Dean : *Conscious Universe*, Harper, 1997, 0062515025
- w. Radin, Dean : *Entangled Minds*, Paraview, 2006, 1-4165-1677-8
- x. Rosenblum, Bruce & Kuttner, Fred : *Quantum Enigma*, OUP/Duckworth, 2007, 978 07156 36541
- y. Sheldrake, Rupert : *Morphic Resonances*, Inner Traditions, 2000
- z. Sheldrake, Rupert : *The Sense of being Stared At*, Arrow, 2004
- aa. Smolin, Lee : *The Trouble with Physics*, Allen Lane, 2006, 978-0-713-99799-6
- bb. Stewart, Malcolm : *Patterns of Eternity*, Floris Books, 2009
- cc. Talbot, Michael : *The Holographic Universe*, Harper, 1996, 0586091718
- dd. Tiller, William : *Conscious Acts of Creation*, Pavior, 2001, 01929331053
- ee. Tiller, William : *Subtle Energies, Intentionality and Consciousness*, Pavior 1997, 0964263742
- ff. Wallace, Alan : *Hidden Dimensions (The Unification of Physics and Consciousness)*, Columbia University Press, 2007

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Appendix 1 Detailed Findings

1. Variance due to a Natural Earth Energy Line

- a. Subtle earth energy lines increase the length of a dowsable line by over 56% if the measurement is made in the direction of flow.
- b. Subtle earth energy lines reduce the length of a dowsable line by more than 34% if the measurement is made in the opposite direction of flow.
- c. The length of yardstick lines is not invariant to the direction of measurement.
- d. The frequency of the yardstick line does not change from 115 kHz in the earth energy line, suggesting frequency is invariant in an earth energy line.
- e. The frequency and colour are invariant to the direction of measurement.
- f. The Mager colour of the yardstick line remains white.

2. Subtle Energy Created by the Interaction of 2 Stones

- a. By simple observation the 2 stones were separated to be within each other's aura so their interaction produced a subtle energy beam. (See references 7 and 8)
- b. In a beam created by 2 interacting objects, the dowsable yardstick line shrinks or expands dependent on the direction of measurement.
- c. Subtle energy lines increase the length of a dowsable line by over 21% if the measurement is made in the direction of flow.
- d. Subtle energy lines reduce the length of a dowsable line by more than 35% if the measurement is made in the opposite direction of flow.
- e. The frequency of the subtle energy beam depends on the size of the 2 objects, and their separation distance, not necessarily their mass. The range is between 300 and 400 kHz.
- f. When placed in the subtle energy beam, the frequency of the yardstick line becomes the same as the frequency of the beam.
- g. The Mager colour of the yardstick line remains white.

3. Subtle Energy Created by the Interaction of 2 Circles

- a. Circles having radii of 3.5mm and 0.5mm were drawn on 2 sheets of A4 paper. See Table 6.
- b. Their auras from the centres of the circles were measured as 0.600m and 0.410m. Two objects do not interact and produce a subtle energy beam if their separation distance is greater than the sum of their auras, which in this case was 1.010m. (See references 3, 5, 6, 7, 8). The two circles were therefore separated by a distance of 0.5m to produce a subtle energy beam for this experiment.
- c. The length of yardstick lines is not invariant to the direction of measurement when placed in a subtle energy beam created by 2 interacting circles. The dowsable line shrinks or expands dependent on the direction of measurement.
- d. The subtle energy beam increases the length of a dowsable line by over 33% if the measurement is made in the direction of flow.
- e. The subtle energy reduces the length of a dowsable line by more than 50% if the measurement is made against the direction of flow.
- f. When placed in the beam, the frequency of the yardstick line changes from 377 kHz and becomes the same as the frequency of the beam which was 776 kHz. i.e. the yardstick line doubles in frequency.

- g. The frequency and colour of a yardstick line are invariant to the direction of measurement
- h. The Mager colour of the yardstick line remains white.

4. Subtle Energy Created by the Interaction of 3 Aligned Stones (Simulation of New & Full Moon)

- a. The 3 stones were olive sized (moon), plum (earth), and large orange (sun). They were separated so there was no interference from 2-body interaction between the stones. Only 3-body subtle energy was present.
- b. The subtle energy beam from 3 aligned objects more than doubles a measurement of length near the centre object; the full moon simulation.
- c. The subtle energy beam from 3 aligned objects reduces a measurement of length by about 28% near the outer object; the new moon simulation.
- d. Within experimental error, the length of a yardstick dowsable line in the subtle energy beam is invariant to the direction of its measurement.
- e. The frequency of a subtle energy beam created by 3 solid objects depends on size of objects and their separation distance, not necessarily their mass
- f. The frequency of the yardstick line becomes changed to the same as the frequency of the 3-object created beam in which the yardstick is placed.
- g. This frequency change of the yardstick line is 3 orders of magnitude greater, from about 75 kHz to 76 mHz.
- h. The Mager colour of the yardstick line changes from white to mauve when the 3 stones are in alignment.

	Simulating	Radius	Aura
Circle 1	Sun	9 cms	2.025 m
Circle 2	Earth	3.5 mm	0.600 m
Circle 3	Moon	0.5 mm	0.410 m

Table 9

5. Subtle Energy Created by the Interaction of 3 Aligned Circles (Simulation of New & Full Moon)

As summarised in Table 9, circles having radii of 9cms (sun), 3.5mm (earth), and 0.5mm (moon) were drawn on separate sheets of A4 paper. Their auras from the centres of the circles are also shown in table 9. To ensure that any two objects do not interact and produce a 2-body subtle energy beam, their separation distances were kept greater than the sum of their auras. (See references 4, 5, 7, 8). In this case, the moon-earth separation has to be greater than 1.010 metres, and the sun-earth separation greater than 2.625 metres. The centres of the circles were therefore separated by distances of 6.470 metres (sun-earth) and 1.630 metres (moon-earth) to produce a 3-body subtle energy beam, with no errors introduced by 2-body interactions.

The findings can be summarised as follows:

- a. Within experimental error, the length of a dowsable line is invariant to the direction of measurement in a beam produced by 3 aligned interacting circles. i.e. a dowsable line remains the same length, irrespective of the direction of measurement.

- b. The subtle energy beam from 3 aligned circles more than doubles (about 130%) a measurement of length made near the centre circle. This is the full moon simulation.
- c. The subtle energy beam from 3 aligned circles reduces a measurement of length by about 30% when made near the outer circle. This is the new moon simulation.
- d. The frequency of the subtle energy line depends on size of the circles and their separation distance. Obviously mass is not involved, confirming the findings for 3 stones.
- e. The frequency of the yardstick line becomes changed to the same frequency as the 3-circle beam.
- f. This change in frequency is 3 orders of magnitude greater from about 376 kHz (which is equivalent to long radio waves) to about 770 mHz (which is equivalent to VHF radio waves).
- g. The frequency and colour are invariant to the direction of measurement.
- h. The Mager colour of the yardstick line changes from white to mauve when the 3 circles are in alignment.

6. Actual Full Moon - Subtle Energy Beam Created by Sun Earth Moon Alignment

The yardstick was measured about 7 hours either side of an actual full moon. The findings are similar to those in Figure 3 at the 11th March 2009 full moon.

When dowsing a 3-body resonance, it is difficult and tiring keeping the 3 bodies in ones intent, at the same time as dowsing a yardstick dot being placed in the subtle energy beam. Including the dowser, there are 5 interactions involved! It is easy for the mind to flip out of 1 or more of these interactions and dowse a 2-body beam or just an isolated line. This is not a problem when standing on an Earth energy line, or at full and new moon. The mind is automatically immersed in the substantial subtle energy beam.

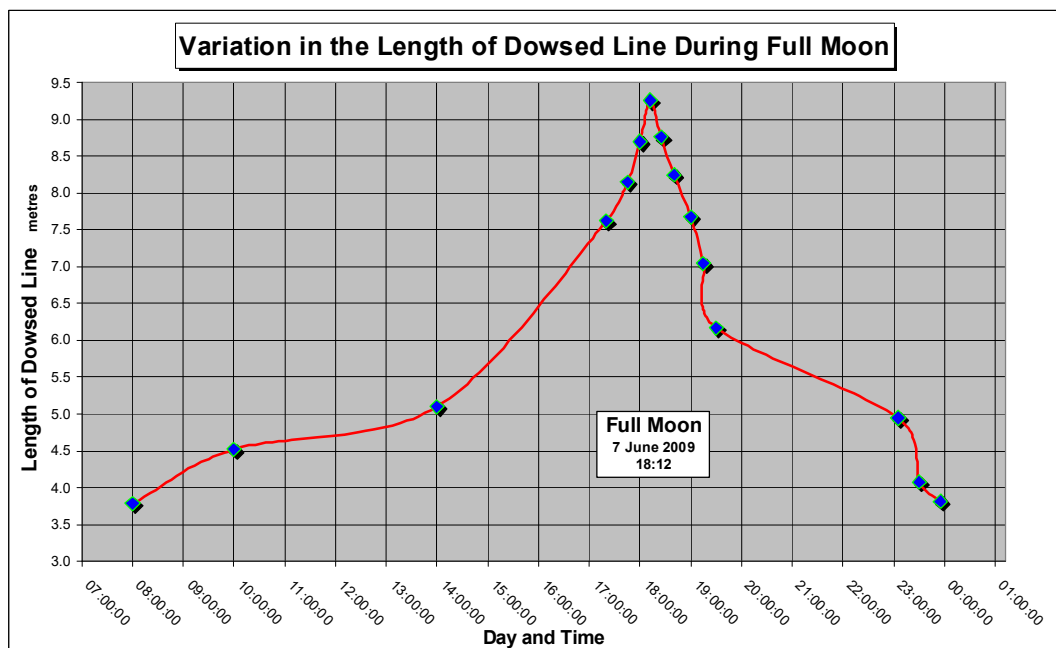


Figure 10 (Repeat of Figure 4)

The findings can be summarised as follows:

- 5-6 hours before and after full moon, the length of the yardstick line increases to a resonance peak at the time of full moon. This length increases by over 144%. (See graph in Figure 10).
- Within experimental error, a dowsable yardstick line remains the same length, irrespective of the direction of its measurement. This is confirmed as day/night measurements give identical effects as the earth rotates with the observer pointing to the sun against the flow, and away from the sun with the flow.
- The yardstick line takes on the frequency of the subtle energy beam. About 5-6 hours before and after full moon, the frequency of the yardstick line increases by 3 orders of magnitude; from 177 kHz to 300 MHz. (See graph in Figure 11)

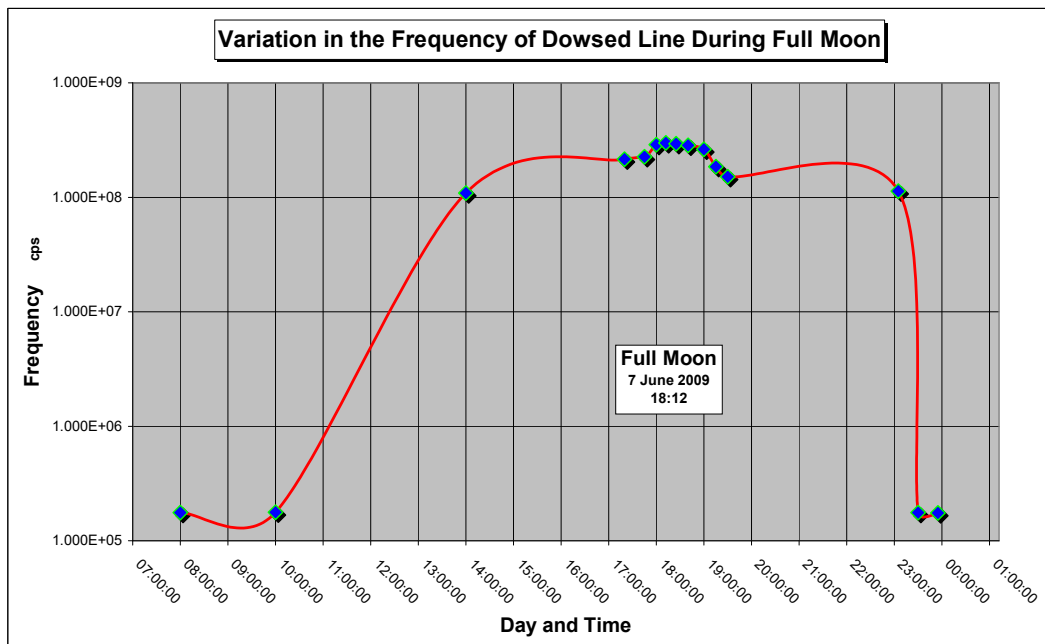


Figure 11

- 300 MHz is equivalent to VHF radio waves, but subtle energy is obviously not electromagnetic radiation as we know it. If it were it would disrupt world communications at new and full moon. It would also be possible to detect it with current technology.
- The Mager colour of the yardstick line changes from white to mauve about 10 minutes either side of full moon, i.e. when the sun, earth, and moon are in alignment.
- The frequency and colour are invariant to the direction of measurement.

7. Actual New Moon - Subtle Energy Beam Created by Sun Earth Moon Alignment

The yardstick was measured about 3 hours either side of an actual full moon. The findings are similar to those in Figure 2 at the 26th March 2009 new moon.

The findings can be summarised as follows:

- a) 1½-2 hours before and after new moon, the length of the yardstick line decreases to form a resonance trough at the time of new moon. This length decreases by over 86%. (See graph in Figure 12).

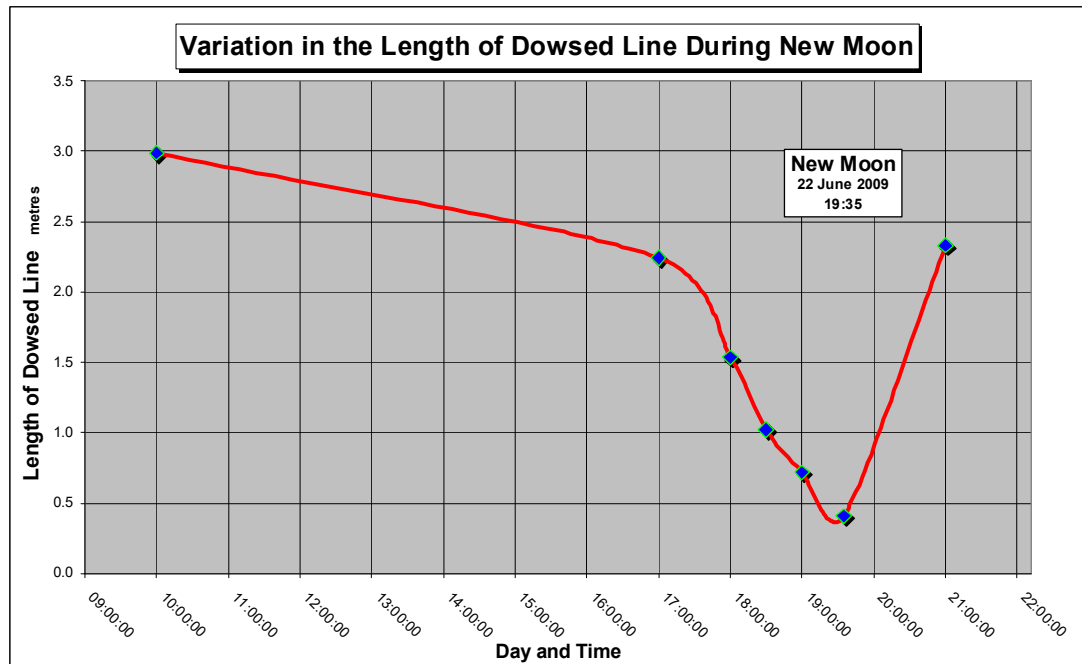


Figure 12

- b) Within experimental error, the dowsable yardstick line measures the same length, irrespective of the direction of its measurement. This is confirmed as day/night measurements give identical effects as the earth rotates with the observer pointing to the sun against the flow of the subtle energy beam, and away from the sun with the flow.
- c) The frequency of the subtle energy beam, at 300mHz, is the same as at full moon. About 1½ hours before optimum alignment the beam's frequency gradually increases from 277 mHz.
- d) The yardstick line and spiral take on the frequency of the subtle energy beam. About 1½ hours before and after new moon, the frequency of the yardstick line and spiral increase by 3 orders of magnitude; from approximately 75 kHz and 370 kHz to 300 mHz. (See graph in Figure 13).
- e) 300 mHz is equivalent to VHF radio waves, but subtle energy is obviously not electromagnetic radiation as we know it. If it were it would disrupt world communications at new and full moon. It would also be possible to detect it with current technology.
- f) The Mager colour of the yardstick line changes from white to mauve about 1½ hours either side of new moon, i.e. when the sun, earth, and moon are in alignment.
- g) The frequency and colour are invariant to the direction of measurement.

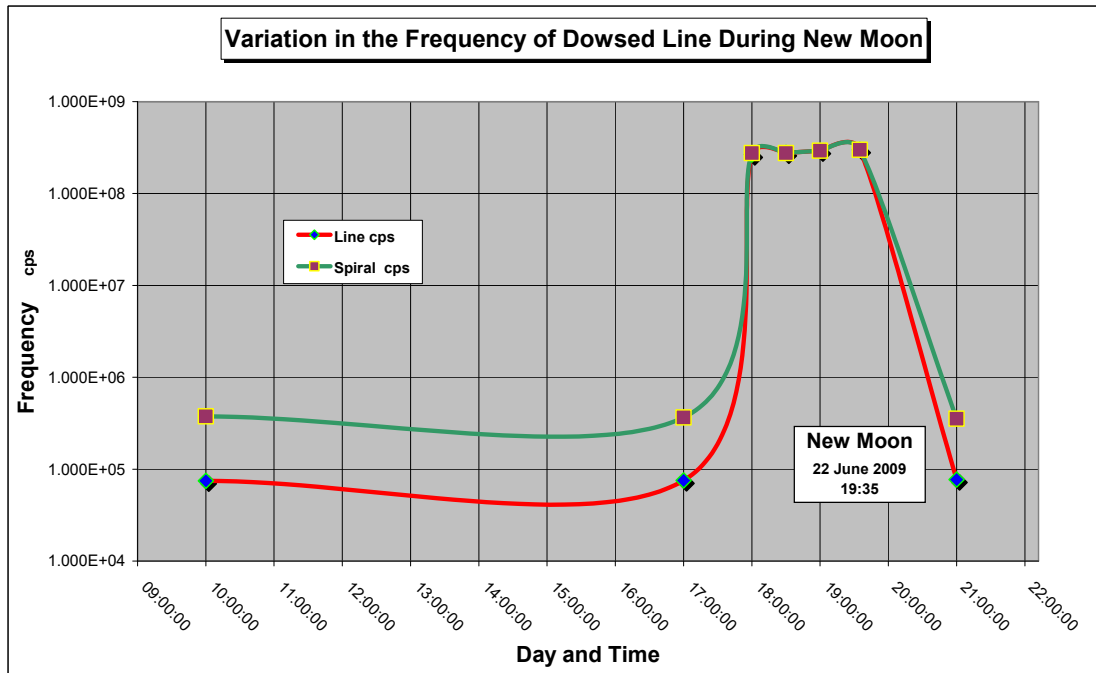


Figure 13