Energetic Influence of Ayahuasca as Measured Using Bio-Well Technology (GDV) during an Ayahuasca Ceremony.

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Introduction

Ayahuasca is a very special herbal medicine that originated with the Indigenous peoples of Amazonian Peru. Evidence from pre-Columbian rock drawings suggests hundreds of years of Ayahuasca use in the Amazon, although Western scientists and explorers have only been exposed to the brew over the last 150 years.

Ayahuasca is a powerful psychedelic, capable of producing profound states of altered consciousness, and is not a recreational drug. Some who consume the brown-reddish, bitter tasting brew have experiences of universal love, bliss and oneness. However, for many, Ayahuasca reveals startling new perspectives on life that can result in overwhelming feelings of grief and anger, as well as other powerful emotions. Its hallucinogenic effects begin to be felt about 20 to 30 minutes after ingestion, and usually peak in about two hours, lasting for a total of four to six hours. However, the real effects manifest approximately two days after the first ceremony when the transformation is in its final stage, when a tenfold increase of DHEA sulfate is experienced.

Previous studies of Ayahuasca have concluded that the DMT and MAOi present in the brew increase Catecholamine levels and receptor activity, and furthermore, the increases in Serotonin, Dopamine, GABA levels are responsible for the heighted state. HRV studies in the same environment under similar conditions showed a remarkable increase in High Frequency signals, indicating an increase in sympathetic arousal. This was also observed within the Endocrine activities with a tenfold increase of DHEA sulfate observed forty-eight hours after baseline recording. (Baseline was 8am on the morning prior to the ceremony.) Symptoms experienced were also reflective of the high level of arousal. [1-6].

Materials and Methods

A device with a specially designed sensor called the “Sputnik Antenna” is used to monitor the energy of the environment and its effects on emotional status. The Sputnik Antenna is a specialized Bio-Well device that measures the environmental energy in a room, and enables the observer to witness energetic variance when people meditate, pray or listen to a presentation [7-9]. This is a factor of Electrophotonic Imaging Technology [10-12]. The physical principle of sensor activity is based on measuring the electrical capacitance of a space by using two

connected resonance contours. A schematic representation of the experimental setup is shown in Figure 1.

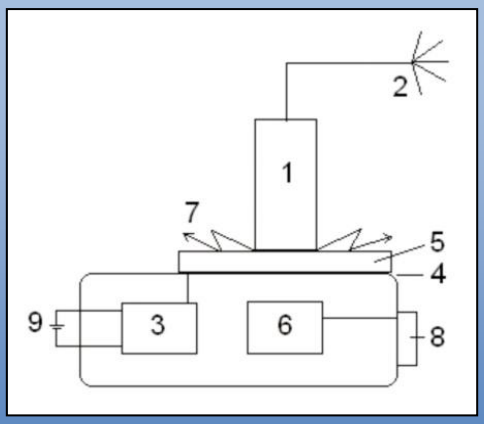


Figure 1. The Experimental Setup

1. Metal Cylinder
2. Antenna "GDV Sputnik"
3. High-voltage Pulse Generator
4. Transparent Conductive Coating
5. Transparent Quartz Electrode
6. Video Converter
7. Glow

A titanium cylinder, 15mm in diameter, is connected to Antenna 2, and positioned on the quartz surface of the Electrode 5, the reverse side of which is covered with a transparent conductive Coating 4. From Generator 3, every five seconds a voltage in the form of a pulse sequence of up to 7kV amplitude 10 microsecond duration at a frequency of 1kHz, is applied to the coating. Ultraviolet Light 7 is transformed by Optoelectronic System 6 in a series of images, which are analyzed in a computer. Experimental system in case of being in the room can be represented as an equivalent circuit of the connected LC circuits (see Fig. 2).

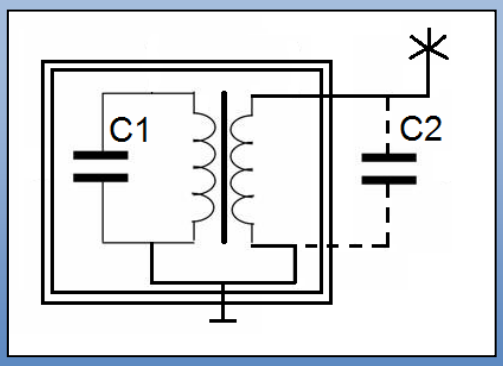


Figure 2

Equivalent circuit diagram of the experimental setup, where C1 corresponds to the capacity of the electronic circuit of the Bio-Well device, and C2 is the equivalent capacitance of the antenna in the premises.

Discharge develops due to displacement currents between Antenna 2 and grounded or conductive objects in the environment. Depending on the availability of fields of different nature in the environment, the chemical composition of the air, and the state of the conductive objects (which includes humans), conditions of electromagnetic wave propagation in space change. Therefore the currents in the system are redistributed, thus influencing parameters of the glow.

This experimental system is designed to react both to changes in the electrical capacitance of the space surrounding it, and to the presence of the conductive objects. Changes in the functional state of the human body lead to a change in the impedance of the

body, the field distribution around the body, the chemical composition of the ambient air due to exhaled air, and emissions of endocrine substances through the skin.

Data processing was carried out in cloud-based Bio-Well software in automatic mode. For analysis purposes, both the absolute values of the parameters and their standard deviations in the series were taken into consideration. During the measurements, the control of the environmental parameters including relative humidity, temperature and pressure was undertaken. In some cases, where available through the Internet geophysical parameters, phases of the moon, the geomagnetic situation on the day of measurement, and a number of other parameters were taken into account as well.

Sputnik sensor may be useful for the following purposes:

1. Testing different places in a search for locations that are calm or contain turbulent energy.
2. Testing the energy status of different sites that are significantly affected by the position of the sun, moon, season or time of the year, etc.
3. Measuring the energy in the Places of Power – both natural and man-made, such as temples and other houses of worship, sacred places, ancient cities, etc..
4. Testing Geoactive Zones, in particular, Geopathic Stress Zones.
5. Detecting the influence of emotions, meditation and focused attention on the parameters of the device.

It has long been observed that people feel differently depending on environmental factors that may include temperature, humidity, atmospheric pressure and geographic location. There are some places on earth where one can sleep like a baby, have wonderful dreams and wake up full of energy. But there are others where sleeping is disrupted, fatigue is frequent and there is increased susceptibility to illness. Western science has no explanation for this other than it represents a confluence of geomagnetic influences, subterranean anomalies, hollows, water streams, natural and industrial atmospheric gases, electromagnetic fields, and especially solar and cosmic emanations. It is practically impossible to distinguish between all these factors, or to determine what each contributes, and therefore our ability to measure the cumulative effect at any particular place can best be described as primitive and rudimentary.

Figure 3 - Bio-Well Device and Sputnik Sensor

The software automatically performs a statistical analysis of a time series of data. The program calculates the mean and standard deviation for each interval, and statistical comparisons of adjacent intervals by the method of Student's and Mann-Whitney tests. All input data are stored in a file for further processing in the statistical programs.

A large series of studies and field trials in Russia, Venezuela, Colombia and England, in the period between 2008-2014 showed that the instrument is sensitive to changes in

environmental parameters as well as the influence of human emotions to the environment [7-9]. Based of the results a special coefficient of the environment activity “k” was developed:

$$k = StD(350)*q,$$

where StD(350) – standard deviation from 350 points and q is empirical coefficient.

The Bio-Well device takes readings in automatic mode every five seconds, so to define coefficient k, we need at least 30 minutes of measurements. This diminishes the influence of random variations. This coefficient has the following interpretation (Table 1):

Activity of the environment	Coefficient k
Very low	26-40
Normal activity	41-55
High Activity	56-75
Hyperactive	76-100
Abnormal	> 100

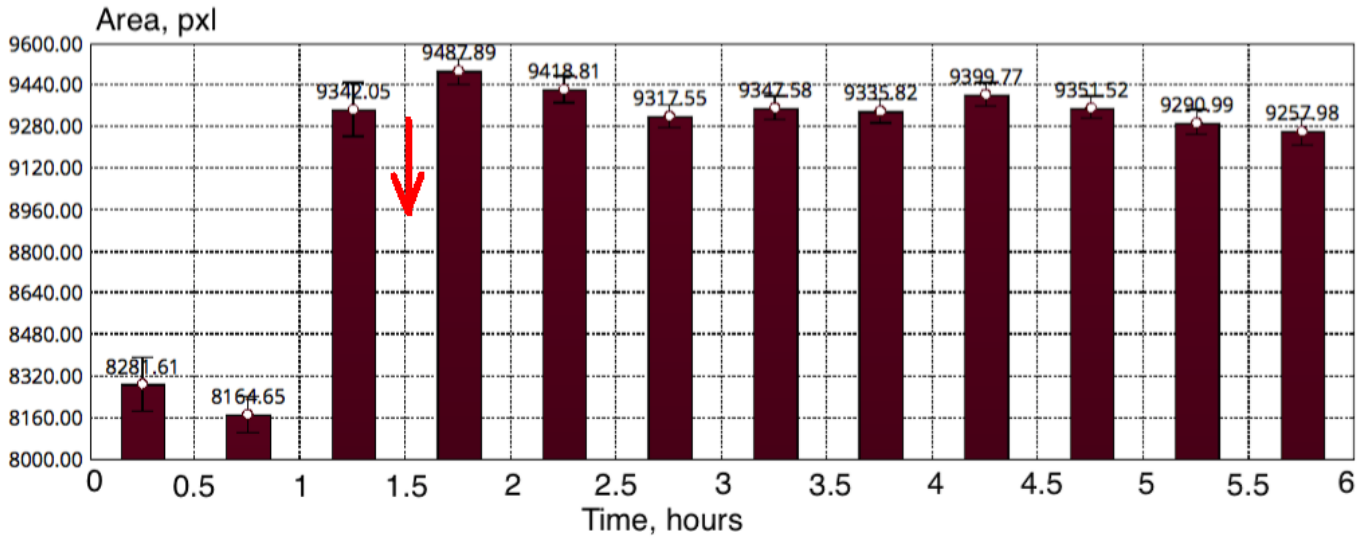
Table 1. Interpretation of the Environment Activity index

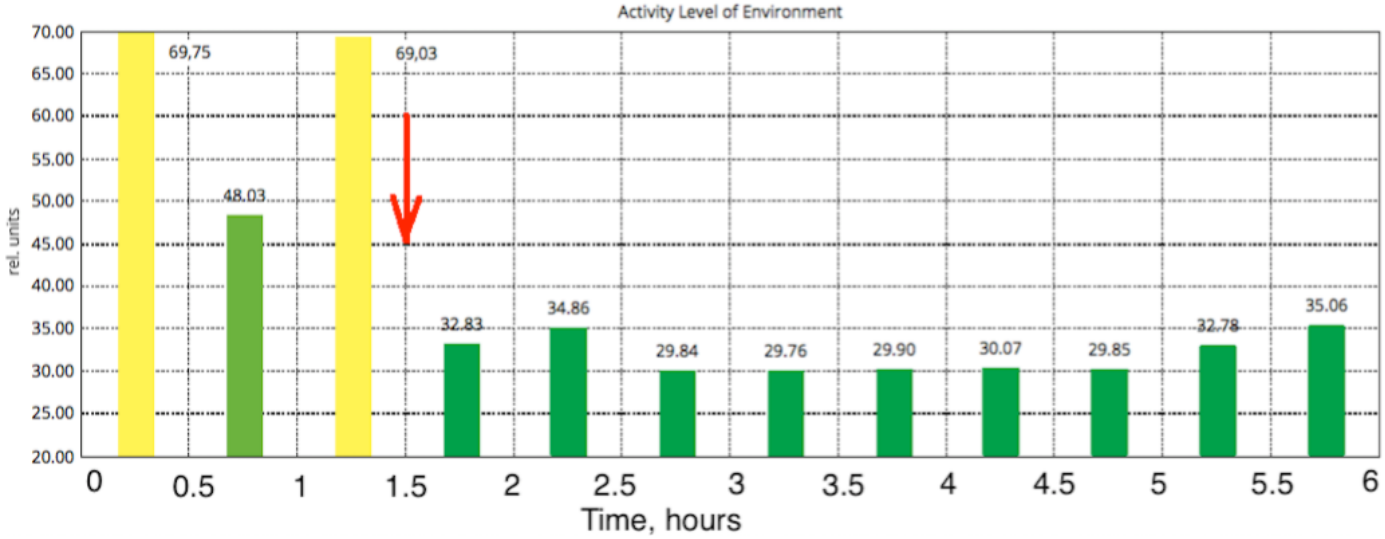
Results

Two measurements done on February 20 and February 24 in daytime without any interference demonstrated a hyperactive level of environment activity: k = 90 and k = 117; this explains the very high level of individual energy measured with Bio-Well device for all the participants of the study.

Ceremonies were conducted on February 25 and February 27 at the Dr. Borkin’s hacienda in Panama at the open veranda from 8:30pm to 1:00am. Six Panamians with musical instruments joined a gathering of others who were all in good health and have no history of disease, neurologic damage, drug or alcohol abuse that may alter any parameters of the study. Sputnik sensor was positioned about 2 meters from people.

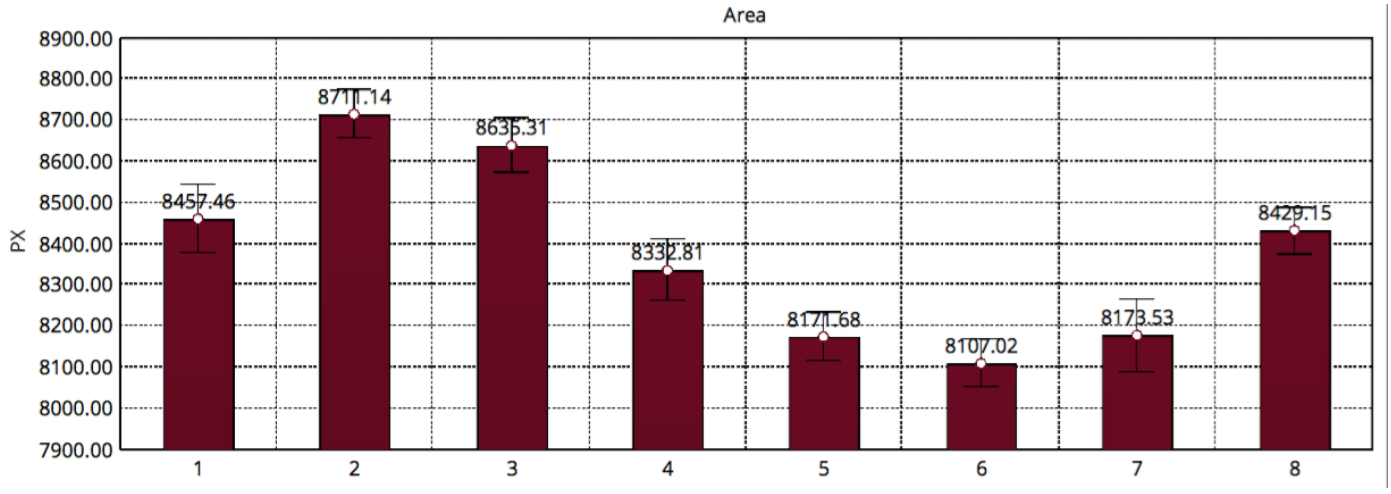
25 February - Ayahuasca Ceremony

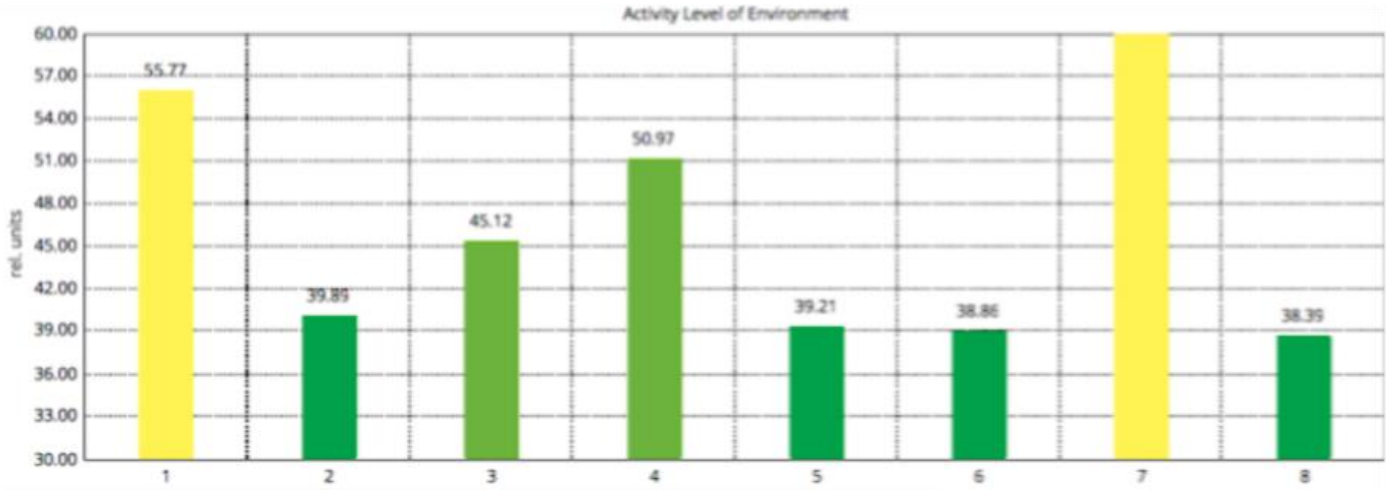




The red arrow represents the moment the ceremony began. As we see from the graphs, Energy (Area) increased during the ceremony, while Activity of the environment became very calm.

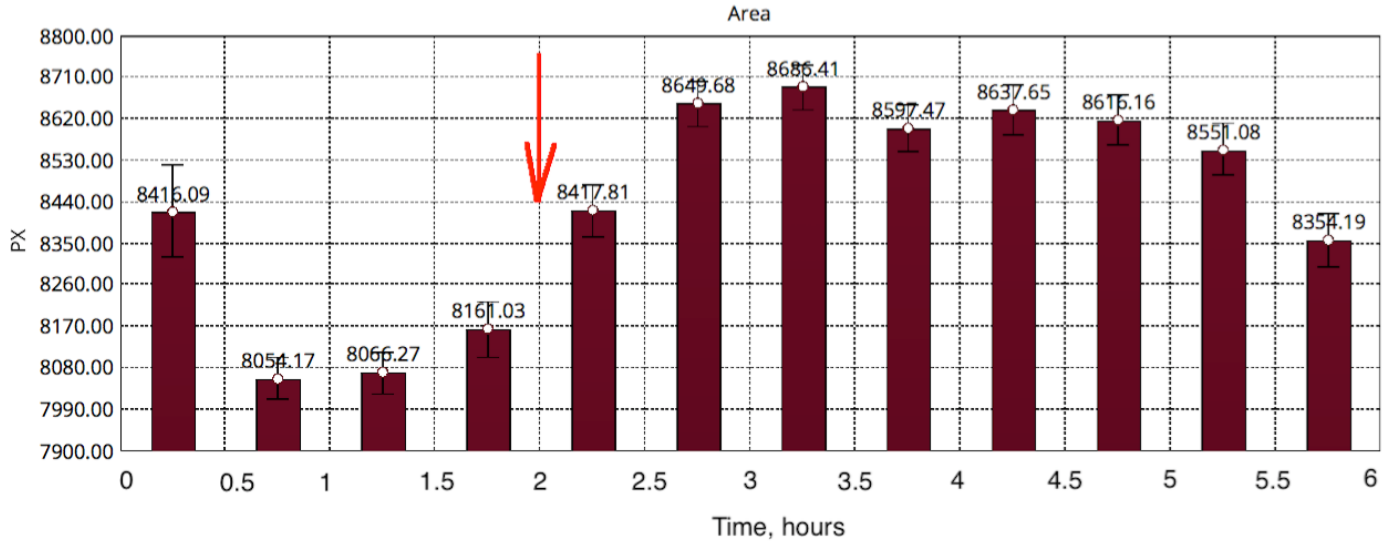
26 February – The Night Following the Ayahuasca Ceremony

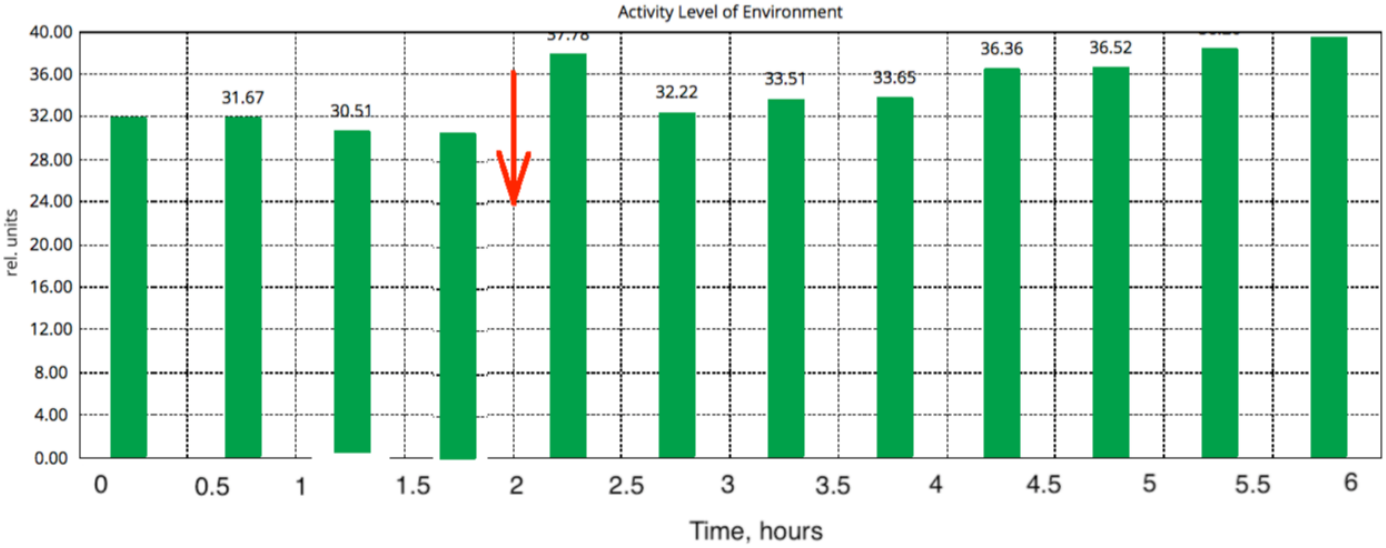




Each bar is averaged on 30 minutes. The Sputnik Sensor was positioned at the veranda and everyone left. We arrived three hours later and danced for 30 minutes (bar N 7). As we see, as Energy was diminishing, the level of Activity was high during the first 30 minutes, and then diminished. Energy strongly increased during dancing. The Energy measurements done at the veranda on the night February 26 from 7:00pm to 11:30pm demonstrated high levels of Energy at the beginning (55.77), which then diminished from 38 to 50 until people came and started dancing. Activity jumped to k = 60 and then dropped down to 38 when people left.

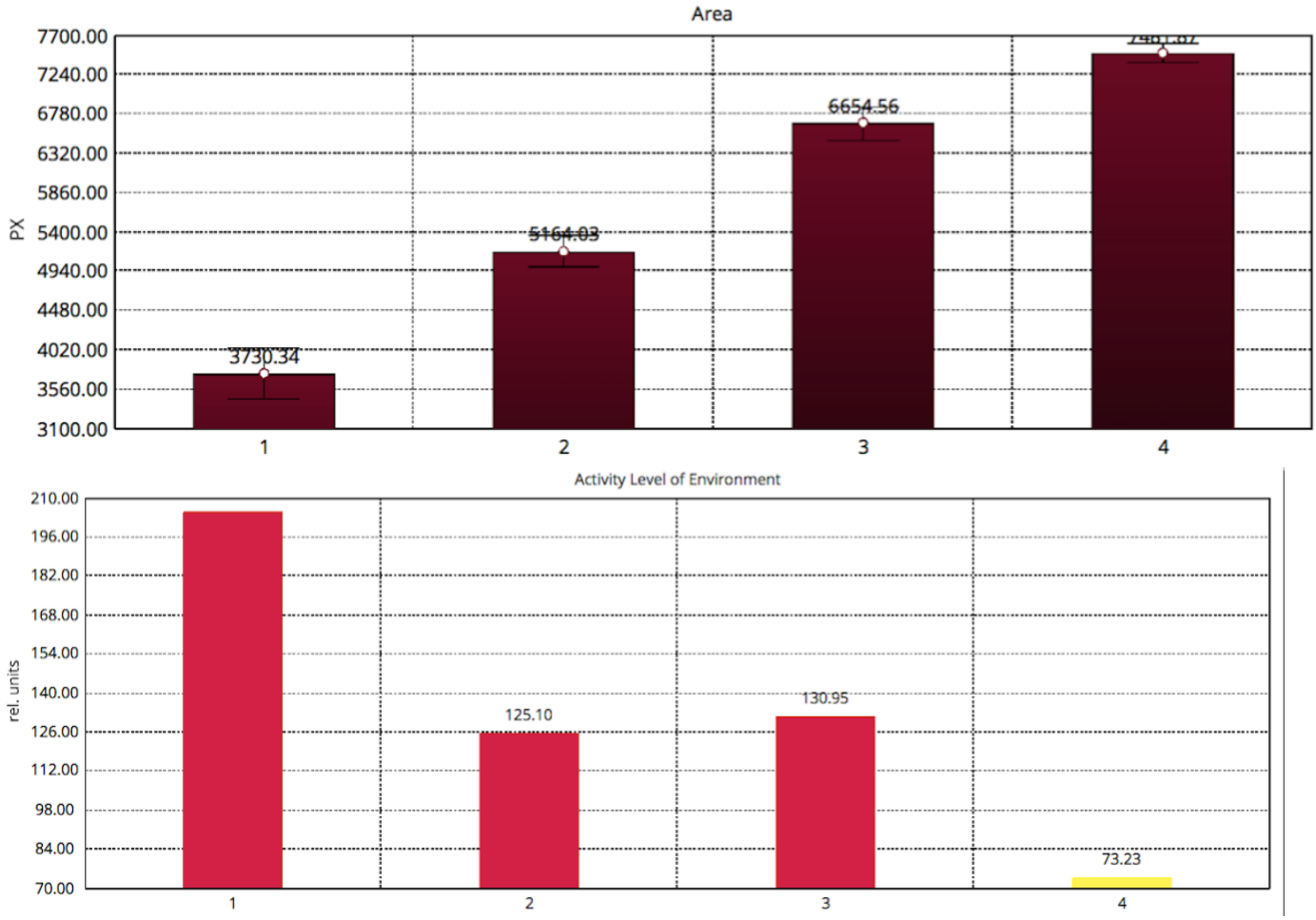
27 February - Ayahuasca Ceremony





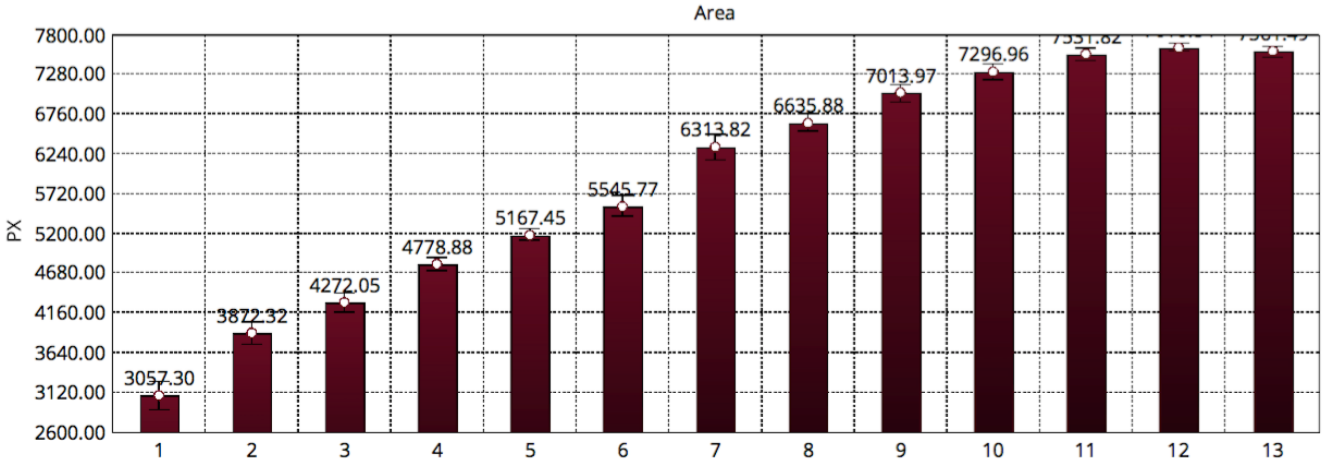
Energy increased from the beginning of the ceremony, while Activity was quite low.

28 February – Morning after Ceremony

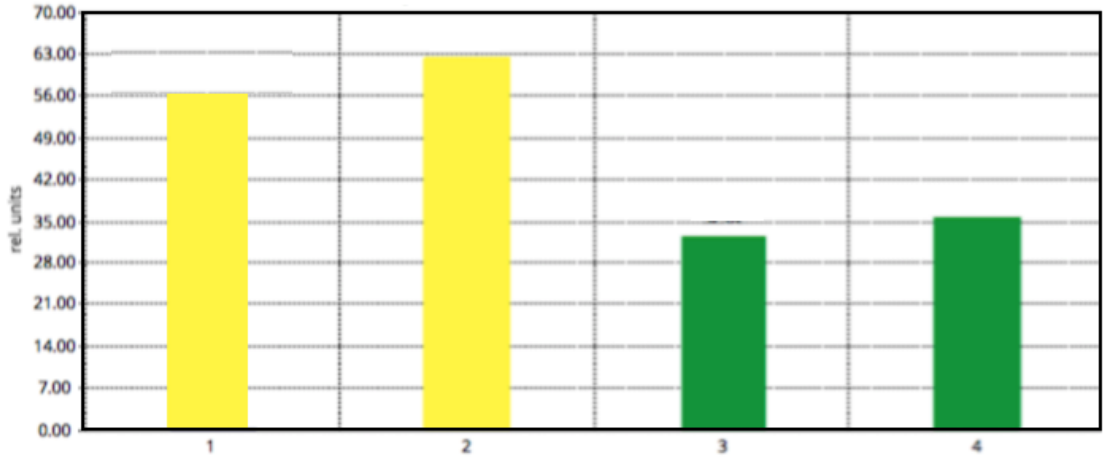


Every bar is averaged on 30 min. Energy was increasing, but lower than at the ceremony night, while Activity was extremely high.

05 March – One Week After Ceremony



Every bar is averaged on 10 min.



Every bar is averaged on 30 minutes. Energy increased, but was lower than ceremony night, while Activity was high in the beginning and after 60 minutes became low.

Transformation of Chakras

People responded to Ayahuasca ceremonies differently. Some experienced amazing visions and had a very nice, relaxing time; for others it was a very unpleasant and frightening experience that they wanted to stop; for several people there was no influence at all. Measurement of Bio-Well parameters before and after the ceremony did not reveal any strong effects. At the same time next morning after the ceremony for several people balancing of Chakras was observed (see examples in the Appendix).

Conclusion

Before the ceremony, the Energy registered at level 7500 pxl and Activity registered at 90-117 units. At the beginning of both Ayahuasca ceremonies, Energy increased to 9400 pxl and 8600 pxl, while Activity of the environment decreased to 30 - 36 units.

The following night after the ceremony on February 26, Energy decreased from 8700 pxl to 8400 pxl, while Activity was in an optimal range and increased during dancing to 59 units.

The morning after the ceremony on February 28, Energy increased from 3700 pxl to 7400 pxl, and Activity was very high decreasing from 200 to 72 units.

On March 05, Energy increased from 3000 pxl to 7300 pxl - much lower than on the ceremony night - while Activity was high in the beginning (62 units) and after 45 minutes became low.

As we see from the data, Activity of the environment at this place was high in the presence of people, but strongly decreased during both ceremonies, while Energy increased. This may be interpreted as an energizing effect and a strong harmonization of space.

Ayahuasca may further increase energy readings by acting on the physiology and biochemistry of the participants. Further study may also show long-lasting energetic effects of Ayahuasca associated with the spiritual experience that users describe.

We should accept these data as observational in nature only. There is not enough data present to draw any final conclusions. Data supports the idea that spiritual ceremonies change the structure of space, and these changes persist for some time. More data will provide more conclusive evidence.

References

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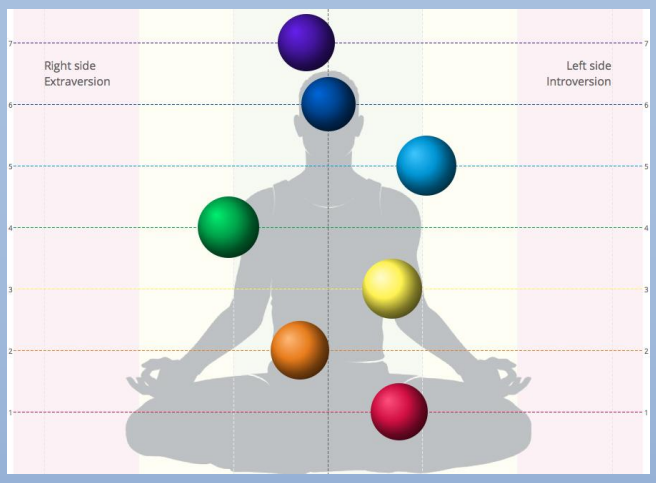
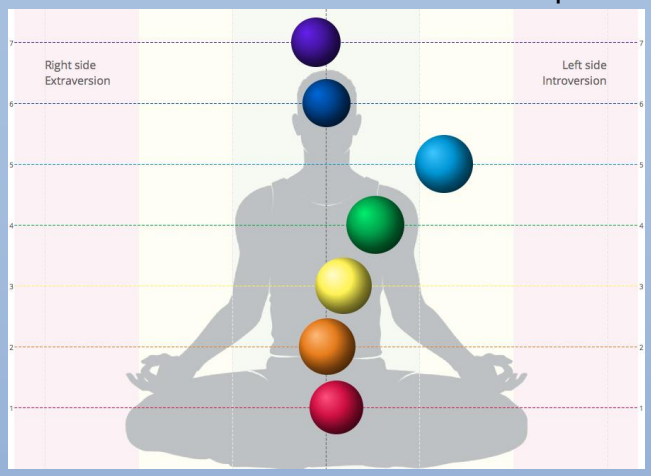
Appendix: Change of Chakras - Before and After Ayahuasca Ceremonies

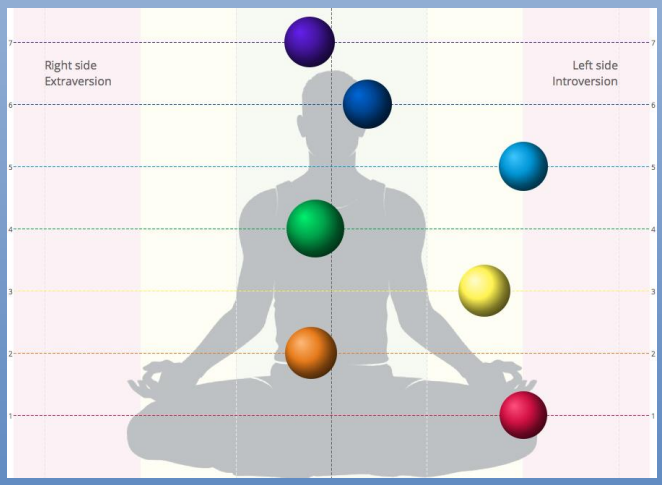
Participant 1



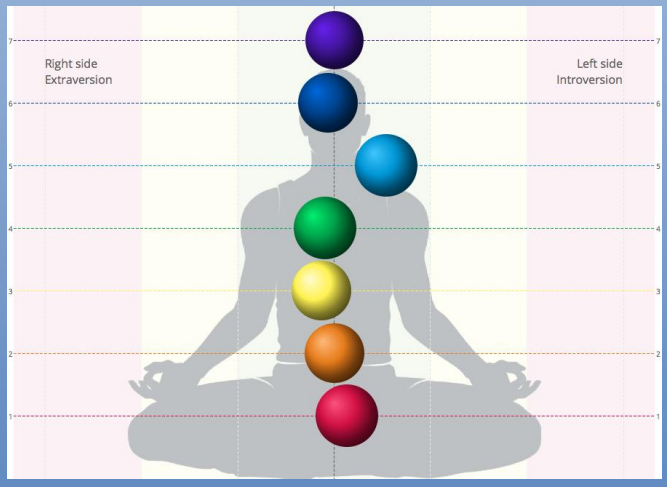
20 February



21 February

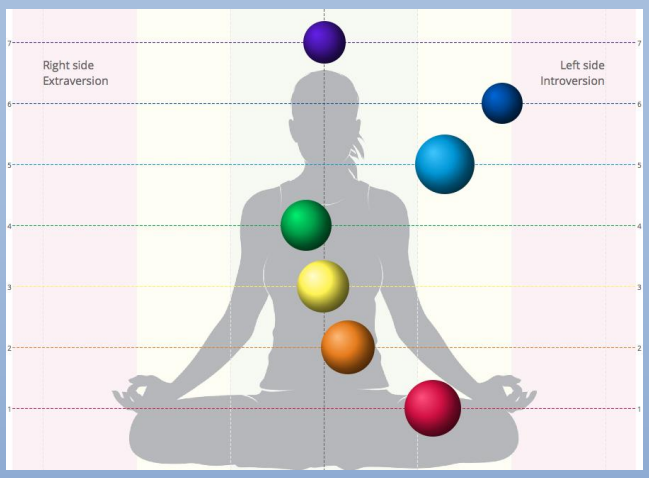


26 February - Morning After Ceremony



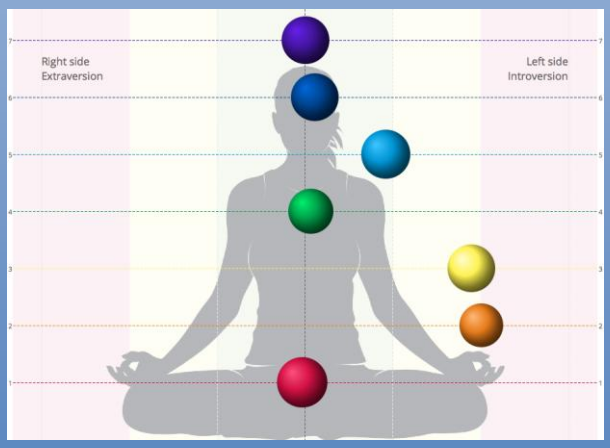
26 February - After Sleep

Participant 2

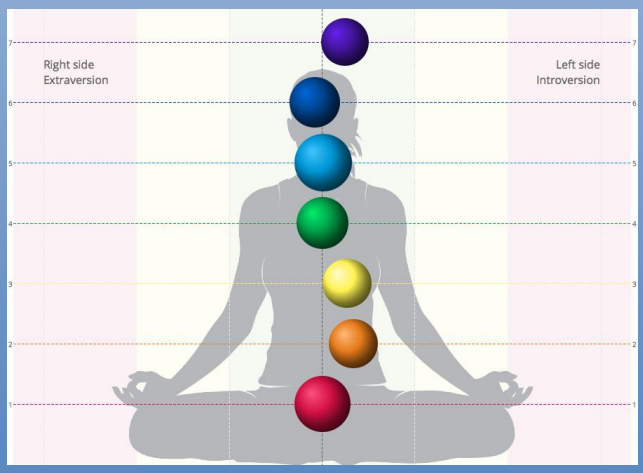


20 February

21 February

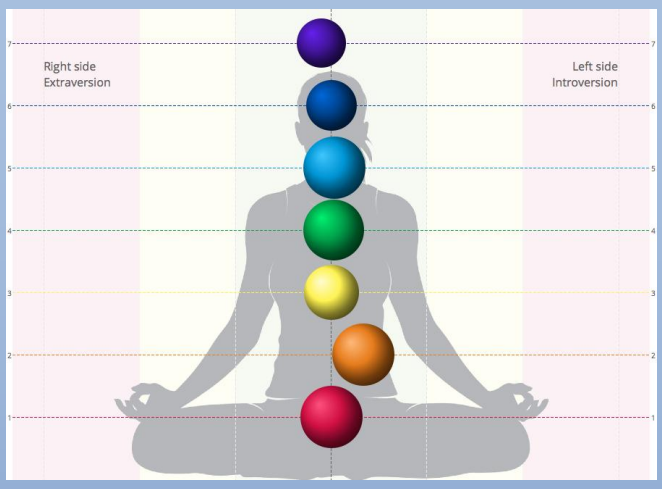


25 February - Before Ceremony



26 February - Morning After Ceremony

Participant 3



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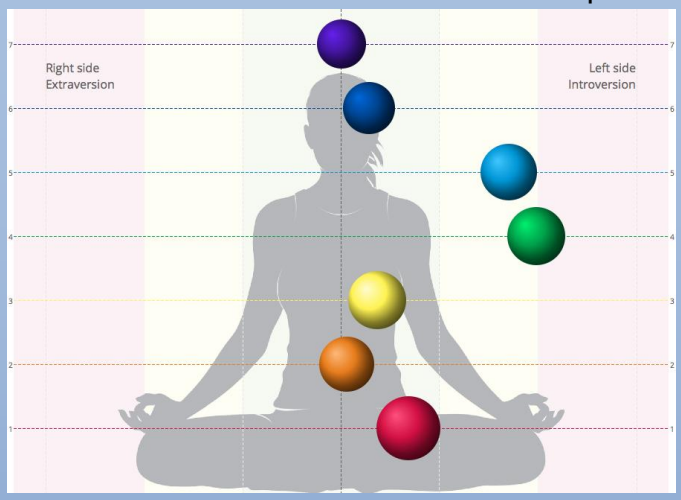

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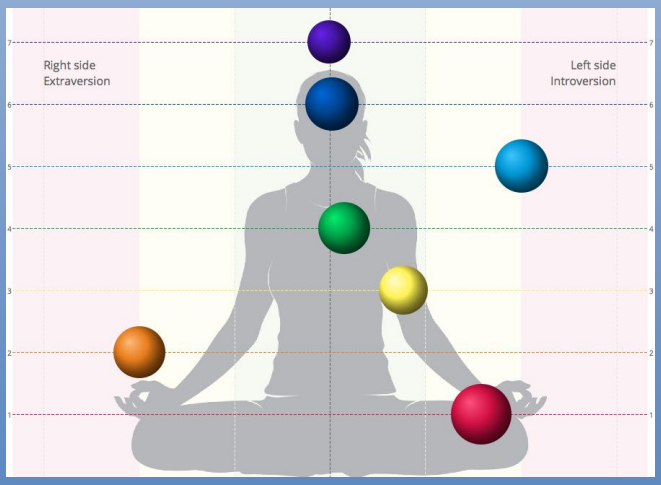
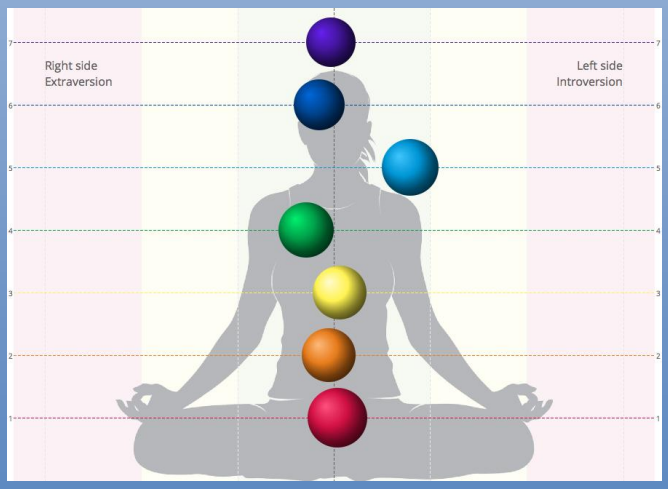
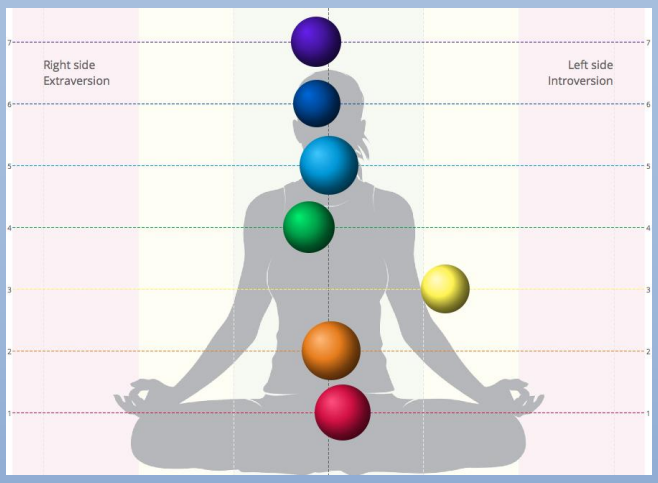


25 February - Before Ceremony

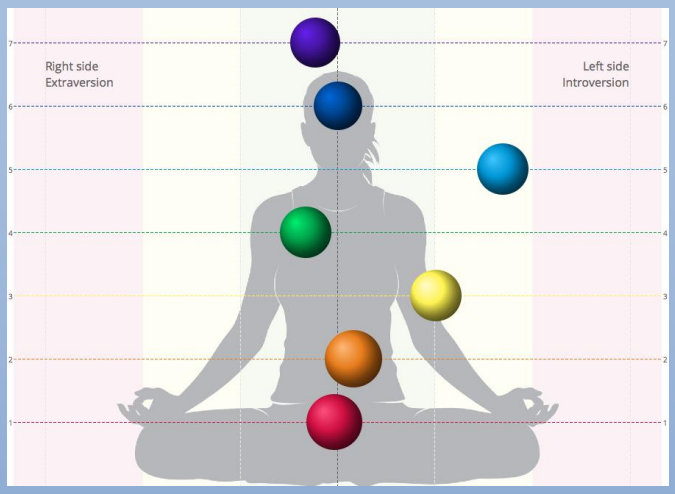


26 February - Morning After Ceremony

Participant 4



23 February



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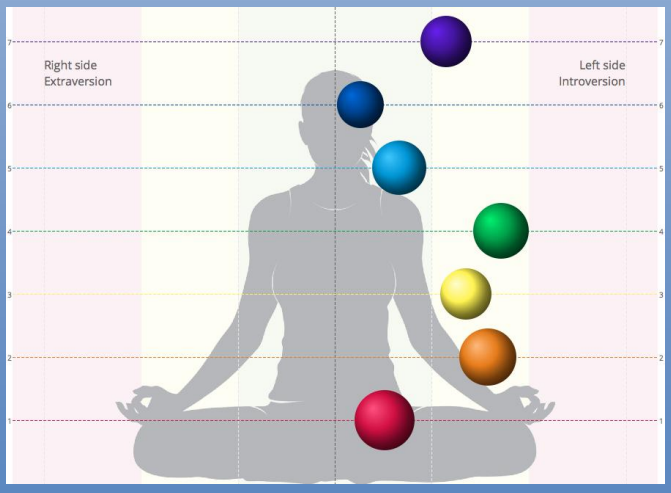
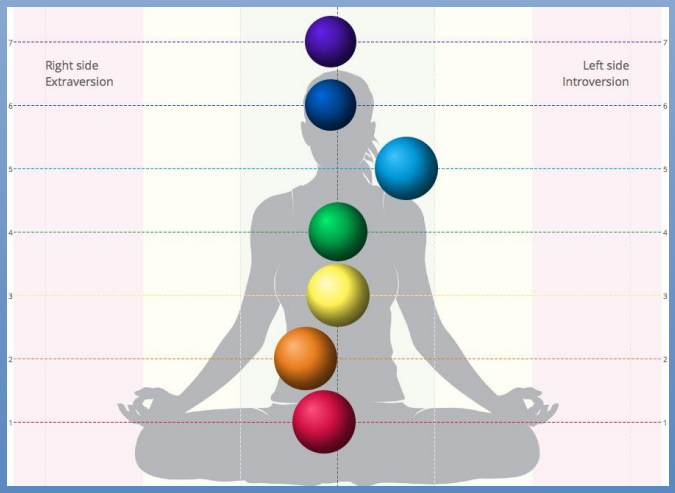


25 February - Before Ceremony



26 February - Morning After Ceremony