

## **Statistical findings of time-based stable human aura**

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**Abstract** Aura is an electromagnetic field located outside living things which has a number of vibrational energy waves in it. For human being, this vibrating energy waves are related to energy level of the mind, the individual's emotion and physical. The measurement of this energy can be made indirectly using biomedical devices like biosensor instead of direct snapping by optical camera. The aura pattern of the individual involved can be monitored by video capturing of the output produced by the device. Since the subject's feelings affect aura readings, his emotion will be put to a level as low as possible through a simple meditation. The data however, will be captured even before meditation to see the changes in the aura pattern and to find if there is any convergence to a stable or a final stage aura. This is what we define as the pure or characteristic aura of the individual. The stable or pure aura might be a little different from session to session but within the statistically accepted range. A sample of 10 students regardless of gender had been taken their aura color and analyzed at solar plexus chakra. The personal details of them had also been taken. Some repeated and stable aura images had been observed. It is found that almost everyone has a stable aura regardless of how unstable his aura normally. In general, good students tend to have a more stable aura compared to those with lower academic performance.

**Key words:** human aura, chakra, bio-field, psychology, emotion, aura capture

### **Introduction**

Auras are like an energy signature surrounding each individual that governs his behavior and his way of thinking (C.E.Lindgren, 2000). It is the electromagnetic field surrounding an object. Some people on the other hands refer to this as field of bio-energy (Kadir, Murat, Hashim, & Muhamad, 2011). Journal of Research in Recent Trends stated that aura is an electronic signature of a person and speaks who we are (G.Malathi, Ponnammal, & Thirukoil, 2011). In line with many of its definitions, aura has been given many names over the centuries like ch'i, prana, karnaem, and Illiaster, depending on the culture of its origin and had been documented for over 5,000 years (C.E.Lindgren, 2000).

Not only that, if one knows the pattern of his own aura, that knowledge can help him in determining his life path. Some higher learning institution for example, can benefit from this idea to help selecting students' talent for a more promising academic result.

Since aura depends on the individual state of emotion, its pattern is highly time dependent. This means one may signals to the world that he has totally different talent every time his aura is read which logically makes little sense. It is, however, believed that there exists a base aura pattern that is emitted by the individual when he is not influenced by any emotion or thought. This pattern is defined as a stable or signatory pattern and this is the focus of our research (Nur Eliza et al., 2013). The purpose of this article is to publish the pattern that has been obtained from our undergraduate students.

Work on aura also involved the work to predict human behavior. Human behavior's determinism has remained unpredictable due to the numbers of variables which shape behaviors. These are the outcome of the bio-sociological processes produced by a specific culture and society in which the individual is born or reared as well as the product of the interaction between socialization processes and the biological composition (Teixeira, 2007/2008). Chakra based model described the group development based on 7 stages namely; security, sensation, power, love, creativity, integration and fulfillment. Throughout these stages the leader of the group would display various leadership styles and stages (Gilchrist & Mikulas, 1993).

The way we analyze the aura is through image processing. Image processing technique is not uncommon in aura research. For example, the technique was used in assessing the enhancement of human energy field or aura through Yoga (G.Malathi et al., 2011). The difference in image was obtained and compared by computing the differences between all pairs of corresponding pixels from the energy field image before and after Yoga training.

Our long term aim is to classify academic achievement based on aura. However, such aura based classifications have also been done on many other more basic characteristics like gender. Since every activity of living tissue is correlated with electrical changes, that EM field will vary with the activity and the health of the body. The characteristic of human body radiation frequency can be used to classify the gender (Jalil, Taib, Abdullah, Megawati, & Yunus, 2011). This is understood since genders are different physiologically.

Numerous experimental data which are obtained in the scientific measurements of EMW are accepted as relevant proofs that bioenergy really exists. Every cell emits radiation within infrared to ultraviolet spectrum which depends on the state of health, time of day and time of year (Ristovski, 2011). Even without involving EMW, aura can also be detected indirectly through measurement of the energy of one's fingertips and toes (C.E.Lindgren & Baltz, 1997; Maxwell). As time flies, devices and techniques of aura measurement has improved to ensure accurate findings which include the addition of meditation practice (Rangachari, 2009).

### Definition of Pure Aura

Some of the above literatures discussed various interpretation of aura color and its uniqueness, it is believed that each individual has his own aura pattern (G.Malathi et al., 2011). However, the aura pattern is highly influenced by emotion.

This research focuses on eliminating these contaminating colors, in order to capture the pure aura color. We believe that a valid scientific conclusion must be based on this pure aura. Hence, for any research related to aura, it is vital to first obtain the stable aura.

### Methodology

#### Aura Capturing Process

A simple photo shooting session is not enough to capture a stable aura since the aura changes overtime. We conducted an experiment to capture the aura in video format to see a convergence to a stable color. This convergence is not necessarily at the end of the reading session. The experiment also involves meditation whose purpose is to eliminate emotion. This is to increase our chances to capture the pure aura during the data collecting session. Figure 1 shows a typical stable aura pattern.

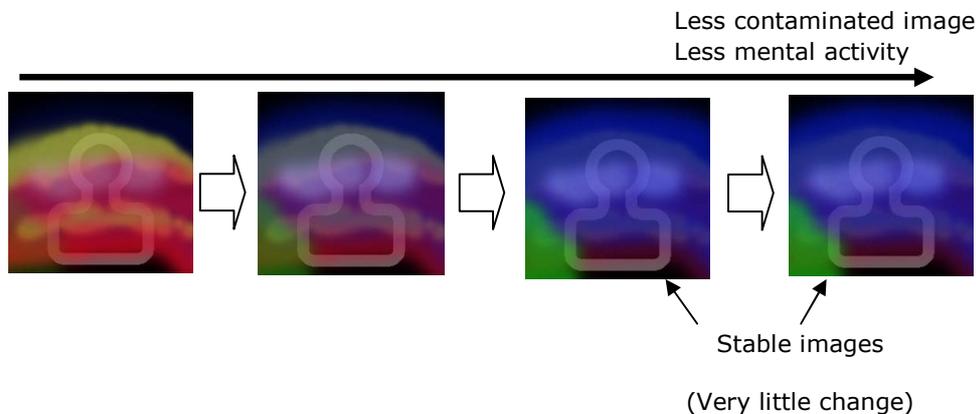


Figure 1. Progressive changes of aura towards stable image overtime

We detailed our procedure of data collection and raw data extraction in our first publication (Nur Eliza et al., 2013). For completeness of this article that detail is summarized in Figure 2.

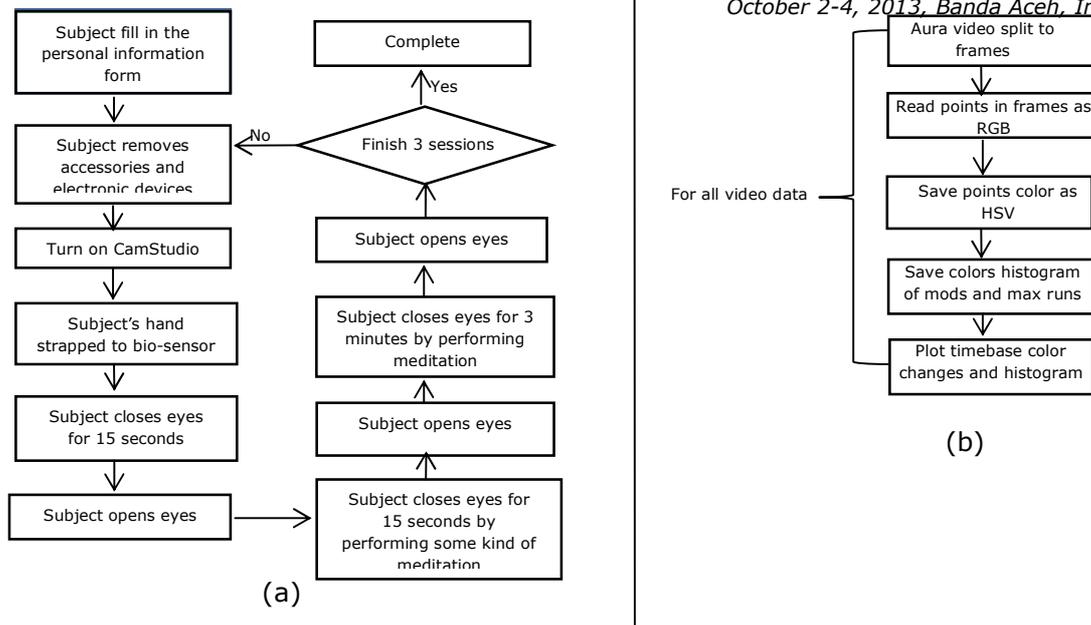


Figure 2. (a) Flowchart of data collecting sessions. (b) Flowchart of raw data extraction.

We reported that the aura reading from solar plexus chakra might not be enough for a conclusive finding about stable aura (Nur Eliza et al., 2013). The reason is because we found that there is an example of good student that has unrepeated (multiple) stability. Figure 3 and 5 show two examples of the outputs that are obtained from the process of raw data extraction. Figure 3 shows a student whose aura was very stable during the session while Figure 5 did not show any stability. The tagger line in the time-based graph indicates the state of mind of the subject during the session.

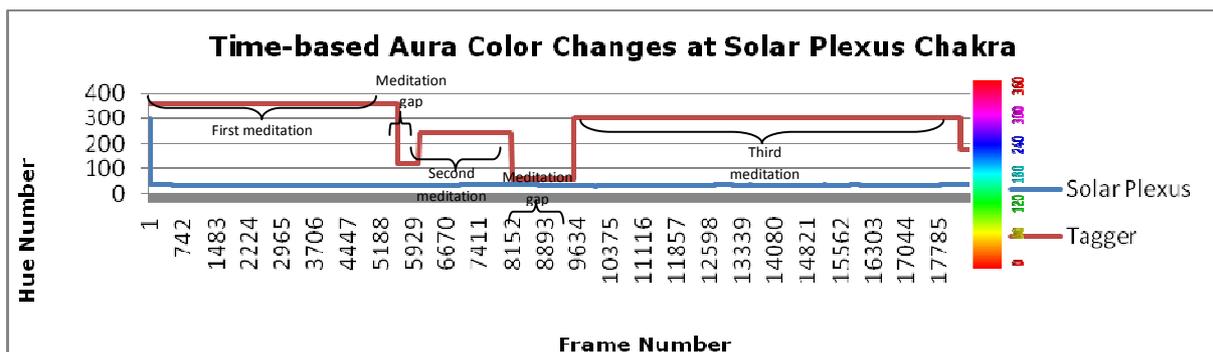


Figure 3. Time based aura color of Student 1.

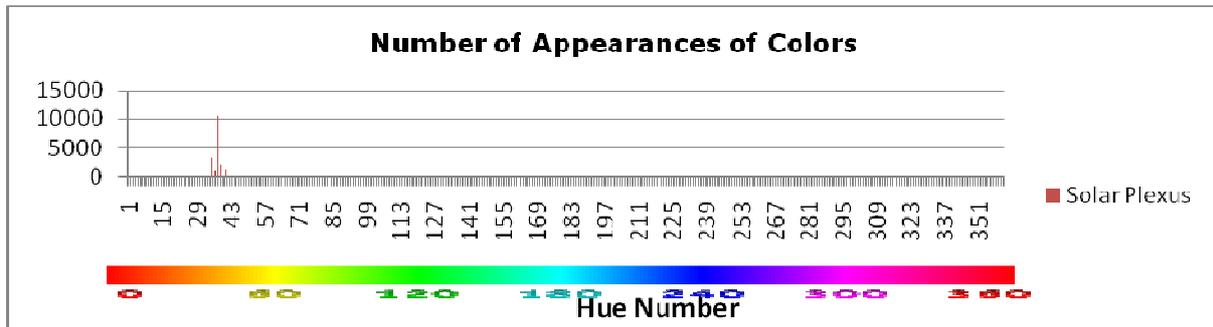


Figure 4. Histogram of colors at solar plexus of Student 1.

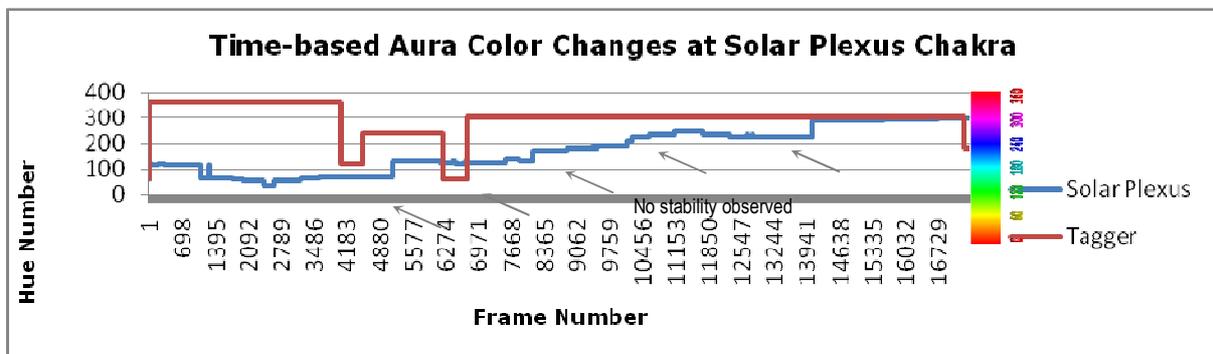


Figure 5. Time based aura color of Student 2.

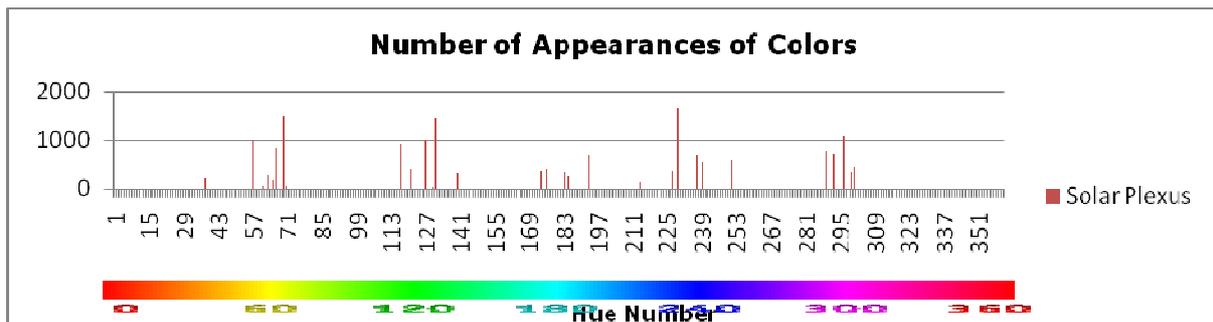


Figure 6. Histogram of colors at solar plexus of Student 2.

### Preliminary Analysis

In this publication we present our progress in analyzing the data that we acquired so far. Since the process of raw data extraction is highly time consuming (around 3 hours per video), only videos of 10 subjects have been completely extracted. This totals up to 30 videos for 3 sessions each.

It is found that out of 10 participants all exhibit stability at single solar plexus color at least in one out of three sessions. However, 2 of them did not show any repeated stable color – meaning all stable colors are different in all sessions. This is shown in Table 1.

Another observation is that in the second and the third session, there are tendencies for more than 1 considerably stable color to appear. This contradicts to our earlier theory that we expect the subjects to exhibit convergence to a single more significant stable color.

Qualitatively, it is also observed that good students have tendency to have better stability compared to not-so-good ones. It is actually recorded that there are good students that do not show good stability. In order to quantify and put this on graph, a kind of measure for stability needs to be developed. This will be for our next publication.

Table 1. Stability and repeatability analysis of raw data

Subject	Stability	Repeatability			Peaks		
		in at least 2 sessions	Session 1	Session 2	Session 2	Session 3	
Student 1	1	1	1	1	1	1	
Student 2	1	1	1	1	1	1	
Student 3	1	1	1	1	1	1	
Student 4	1	0	1	Many	Many		
Student 5	1	1	1	2	1	1	
Student 6	1	1	2	1	1	1	
Student 7	1	1	1	2	1	1	
Student 8	1	1	1	1	1	1	
Student 9	1	1	1	1	1	3	
Student 10	1	0	1	2	2	2	

### Conclusions

As mentioned above, the preliminary observation seems to be contradicting to our earlier theory: later session's exhibit more widely spread colors instead of converging to a single one. This might indicate a need to revise our theory. The effect of meditation may be the opposite of what we expected. We added meditation in our procedure in order to remove emotion and we expected it to converge to the color, but it actually might have spread it. We might have been successful in removing emotions, but the side effect is that we might also have altered the behavior of the brain. This is not totally surprising as meditation is known to cause the activities of the mind to be more evenly spread throughout the brain which might cause more color to appear. In this case, focusing to a color on the hue wheel might not be a good idea. Instead, focusing to the stability of the content of 'white' (luminosity) might show more correlation between academic and aura characteristics. Since now we have more peaks in our histogram of color mods we also need a formula to decide which peaks to count as peaks of multi-stable aura color.

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