

The Astronomy and Astrology of 2012

Integrating Classical Astronomy - Hindu Cosmology and Culture - Vedic Astrology and Mayan Prophecy - Vedic Astrologer Sam Geppi Looks Toward The New Paradigm.



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Introduction - The Mayan Question

This e-book is a brief overview and introduction to the material covered in the “Astrology and Astronomy of 2012” video course that is currently being developed. Also, the materials in this e-book are the same ones I use when I give public classes on this subject.

First of all, why should you care about the subject? Well, there are unprecedented shifts on our globe and with humanity. Certainly the Earth we live on and our place in the cosmos will show those shifts. What is fascinating is these shifts were predicted thousands of years ago, both literally by the Mayans and their “2012 prophecies”, and more generally by the ancient Vedic people when we closely assess their cycles of Time (Yugas).

This e-book gives a general overview of how these unprecedented modern changes are shown in the current cosmology. It explores the connections to Vedic and Mayan cultures and prophecies. It assesses these things relative to astrology, astronomy, cycles of time and Vedic culture. In ancient times astronomy and astrology were lumped together under the rubric of what we would now call “cosmology”.

One thing to say at the outset. There is not a lot known about the Mayan culture relevant to the 2012 prophecies, other than this is the end time of their calendar. This is because, in truth, we really do not know much about them and their culture. It was largely wiped off the map except for The Dresden Codex. There are other things that could be said about their cycles of time and calendars (A calendar that emulates the Venus lunation cycle, etc) But those things have no real bearing on the 2012 subject and the end of the “Great Year”.

This can be said for certain though. We do know that this shift represents an “end time” prophecy. Their calendar ENDS, the full calendar. How do we know this? Because their calendar is broken up into 5 subcycles and five does not divide evenly over the course of a 360 degree circle. The end of THIS cycle (based on what I describe astronomically in this text) is the end of THE cycle itself.

Plus, there is so much that we do know about the ancient world from the preserved Vedic culture that more attention is put there.

There are unprecedented shifts on the Globe and with Humanity in General. Certainly the Earth we Live on will show those shifts

1. Sun, Moon, Earth, Time

At the beginning of the public classes I teach I always the question, “What are the two things, that if you take them away from us, there would be no life”. “What are the two reasons for life, the two things that make life exist and without which there would be nothing”. It may seem simple to you now, reading this, because I've given you the answer in the title of this chapter. The answer is, the Sun and the moon. It is the Sun that gives warmth and power to you. But the sunlight would be inert without the creative principle of the moon orbiting the Earth, regulating the seasons, the oceanic tides and the rhythms of life on this planet.

Together they create life on Earth. In your minds now you are probably saying to yourself “oh yeah, that's right – the Sun and Moon create life”. Then the mind moves on to a subject little more complex and complicated, because certainly that's just “the basics”. But this is where humanity misses the point.

Every being that has ever been created and everything that has ever happened on Earth happens as a result of the sun and moon. Every thought, idea, act of digestion, act of photosynthesis, victory, loss and everything we could ever imagine - is possible only because the Sun and Moon are still there.

The only reason you are alive to read this now is because the Sun hasn't exploded today and the Moon is still in orbit. What is the guarantee that the sun will keep shining? Do we ever stop to appreciate the Sun and Moon, even though we owe our life to them? In spite of this, do they stop shining and moving around the Earth, leaving us to die? Of course not, they keep giving and giving and giving.

Right now, stop reading – close your eyes and let that sink in. None of this will be relevant to you unless you reclaim a connection to the cosmos. Our place on Earth, in the Galaxy and Solar system, is why these shifts are happening to you – your money fears, job fears, etc.

The Number 108

So how exactly does the Sun and Moon create life on Earth. We'll of course, their exact nature and origin is a mystery. There are things we can observe about their relationship to Earth and to each other that shed light on their deeper, energetic vibrations.

In Vedic mysticism the number 108 is the most sacred. There are a lot of explanations why, but they all originate from the concept of the Sun and Moon and their relationship to us.

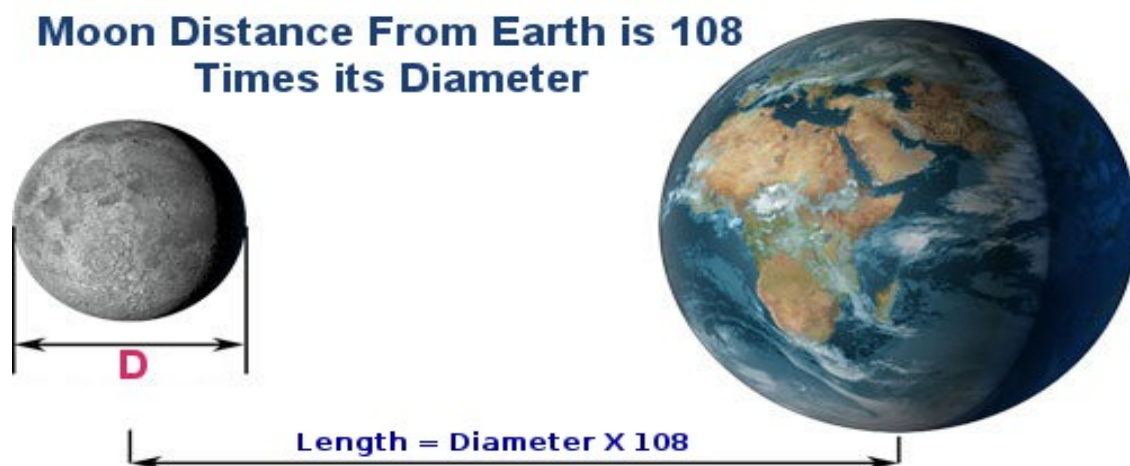
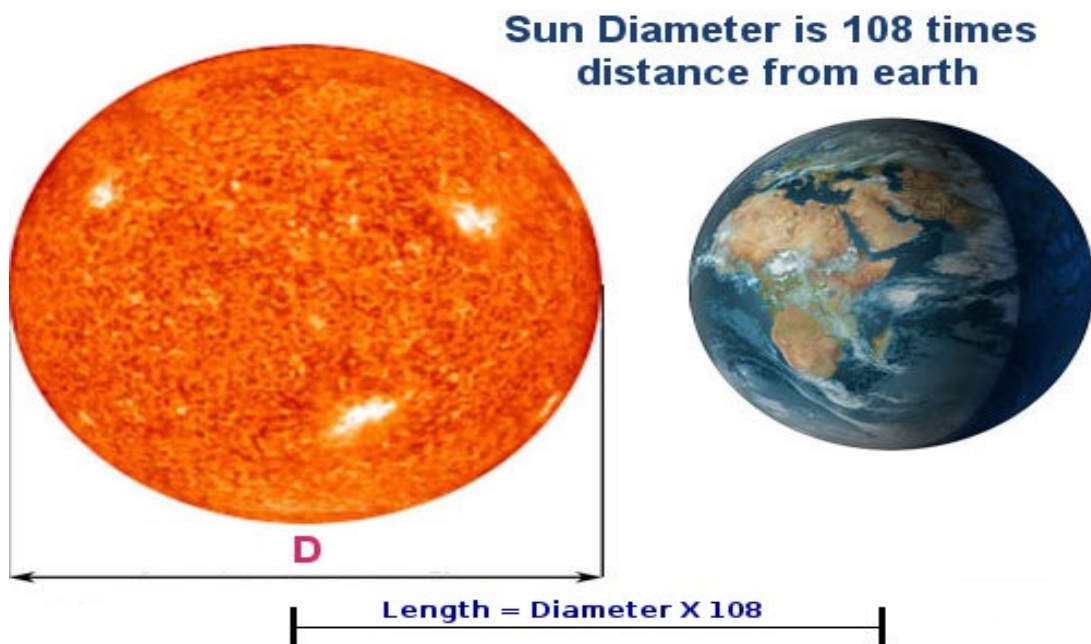
Ponder this:

Although the sun and moon are two completely different sized objects placed at a “random” distance from us in the sky, they appear exactly the same size to us on earth.

What are the odds of this?

Well, it is hard to say does not have much to compare to. We don't know how many planets, Suns and

moons there are. It is pretty “astronomical”. There is a formula that shows exactly how this works and why this works. The diagrams below show that formula.



The distance from the Earth to the Sun is 108 times the diameter of the Sun.
The distance from the Earth to the Moon is 108 times the diameter of the Moon.

Or, you can fit 108 moons between the Earth and the Moon – you can fit 108 Sun between the Earth and the Sun.

The relationship between scale and distance is why each appear to be the same size from our vantage point on Earth.

The moon being this distance away is a phenomenon limited to about 100 million years – 50 million years on either side of a center point.

About 50 million years ago, the moon was closer to the Earth, so it blocked out the entire Sun. In fact,

the accelerated growth of Life on Earth, into sentient, intelligent beings started as the Moon reached this critical equi-distance with the Sun.

Time Cycles on Earth

SUN and EARTH are 4.5 billion years old

First single Cell creatures = 3 Billion Years Ago

Multi Cellular Creatures = 1 Billion Years ago

FACT: For 70% of the Earth and Sun's Age there was not even a Multi cell creature, like a sponge or a fungus.

350 Million years ago - first plants with roots evolve

200 Million Years ago Mammals evolve

65 million years ago Dinosaur extinction

15 million Years ago Chimpanzee Lines evolve

200,000 years that humans looked similar to today

25,000 years since Neanderthals died out

6,000 Since Earliest writings (proven)

4,500,000,000 divided by 200,000 = 22,500

4,500,000,000 divided by 25,000 = 180,000

During the Early stages of our solar system, the moon had not yet cycled to that "108" vibration. The Sun was 108 times the distance from the Earth, but the Moon was not.

To put life on Earth into perspective, human beings in relationship to the Sun, Moon and Earth can be understood by this analogy.

If the age of the Sun, moon and Earth was a book with 180,000 words, which would be about 700 pages, The Age of Humanity Would Be the **Last Word in the Book.**

2. Vedic Mysticism

In Vedic culture, the sacred number 108, as well as the sun and moon, are represented in many different ways.



Above is a string of mala beads, prayer beads. They're used in both Indian and Buddhist traditions. Each string has 108 beads. You can imagine each one of these beads being a Moon or Sun, taking us to the Sun and Moon within, as we pray. In Eastern thinking to Sun and Moon are co-creative forces of life. The yin/yang, masculine/feminine are but a representation of the sun and the moon. It is the sun and the moon that creates this duality. This is also reflected in the Hindu deities.



Above are the Hindu gods Shiva (On the left) and his wife Parvati (on the right). The ancient Vedic sages understood the human mind. They knew it was easier for us to connect to symbols that have faces and create stories that we can relate to. The interplay between masculine and feminine Gods of Shiva and Shakti (another name for Parvati) Is just a literal representation of the interplay between the sun and moon. In fact you can literally see the sun and moon in each of the drawings above.

For one thing, Sun exists behind both of them. The sun is the power of everything. But you can see on the forehead of Lord Shiva is the moon, showing a balance of the feminine forces. Also, we see the sun behind Parvati. She is riding on a lion, which is literally the animal represented by the sun. The feminine, creative force, rides on the back of the masculine energy and power.

In Yoga and other Vedic mystical practices, it is said that we are to “unite the Sun and the Moon”. Many think that is poetry, but it is literally what we are trying to do. The solar (masculine) force is always being harmonized with the lunar (feminine) force.

When we say mantras (sacred sounds) using a necklace of 108 beads, it is a way to literally connect our inner vibrations with the outer vibration that creates life. This is not poetry. As we discovered, The sun and moon literally create life on Earth through the sacred vibration of 108.

Each one of these bodies are 108 times their diameter from Earth. Life on Earth accelerated once the Moon moved to within the range of his sacred vibration, with the Sun.

AMAZING STUFF!!

These mystical/scientific truths were known the world over and expressed by all ancient cultures. The Vedic system is the best preserved and stands as the best reference point for metaphor and Science.

In order for this new global paradigm to be navigated (rather than avoided out of fear or complacency) we need to reconnect to what is actually happening, what is creating life everyday. This starts with the Sun, Moon and Earth.

In reconnecting to these truths, we also reclaim the innocent wonder for the miracle of life. This innocence has been so dulled by the objects of our modern sophistication – objects and systems that now threaten our very survival. We must return to honoring these spiritual truths and sciences in hopes of preserving the life we have been gifted.

The “2012 End Times Prophecy” is based on our Earth in the Sky, relative to the Sun and the Galaxy it inhabits. These things are heady and hard to visualize.

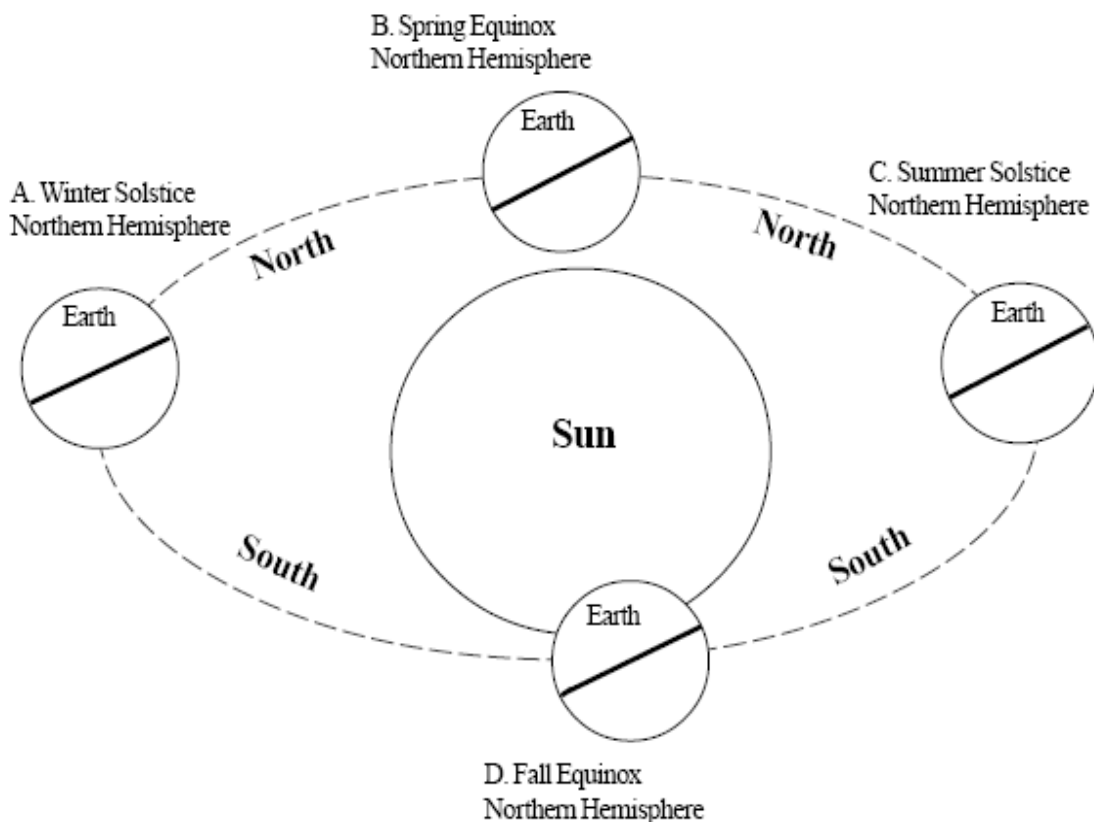
These concepts turned the Vedic Rishis into poets who constructed elaborate myths and deities to uplift us and indicate the sciences we will approach more literally in the rest of this text.

3. Our Solar System – Earth Transitions

***Note – This Material is very dense. I am finishing a video course for you that goes into greater detail.**

The Earth we live on revolves around the sun and spins on its axis.. Of course we've heard this and we all “know” it's true. Yet, most of us do not understand this, rarely think about it and cannot imagine or visualize what is actually happening with our solar system. Understanding this is to understand why the phenomenon of 2012 is so important.

At different times in the Earth's orbit, the Sun appears to “change direction” in the sky. The summer and winter solstices are when the sun appears to change direction. The equinox points, the first days of Spring and Fall, are halfway points in between these places of directional shift. These are the points when the most direct rays of the sun fall on the equator.



The Diagram above describes the earth and its motion around the sun.

A. On the winter solstice the Earth begins its Northern course. On this day we see the Northern Hemisphere of the Earth tilted back from the Sun. The Sun's most direct rays are felt in the Southern hemisphere that day. (the first day of Summer for them)

B. On the Spring equinox day, the celestial equator intersects with the ecliptic as the Sun moves North. The Sun's rays fall equally everywhere on earth that day as the most direct point of contact of Sunlight to the Earth is at the equator.

C. On the summer solstice the Earth begins its Southern course. On this day we see the Southern Hemisphere

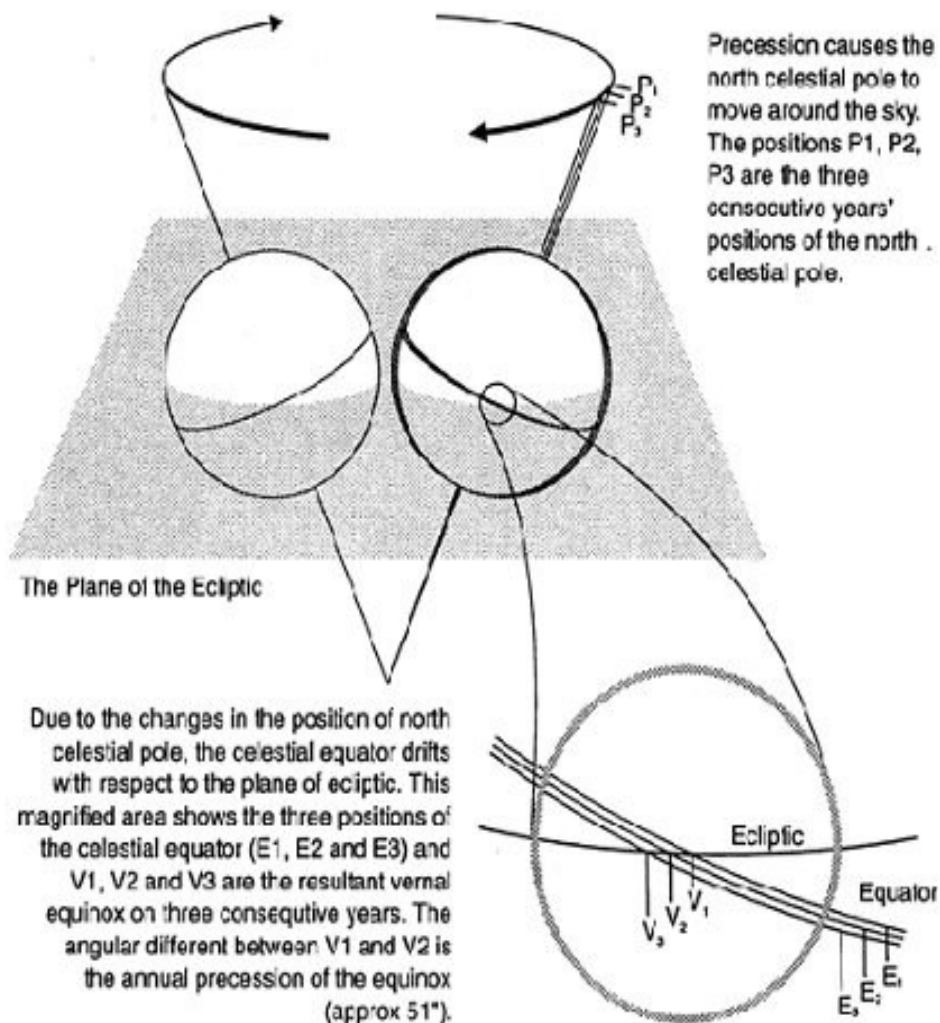
of the Earth tilted away from the Sun. The Sun's most direct rays are felt in the Northern Hemisphere that day. (the first day of Summer for them)

D. On the Fall equinox day, the celestial equator intersects with the ecliptic as the Sun moves South. The Sun's rays fall equally everywhere on earth that day as the most direct point of contact of Sunlight to the Earth is at the equator.

Precession of the Equinoxes

The Earth also has a very slight wobble, like a top. The wobbling effect of the Earth changes our orientation to the backdrop of stars we see. Essentially, the stars appear to move one degree every 75 years based on its effect. See the illustration below.

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4. The Mayans, Our Galaxy & The Astronomy of 2012

**Note – This Material is very dense. I am finishing a video course for you that goes into greater detail.*

Our Solar system is part of the Milky Way galaxy. The orientation of our solar system in our galaxy has a lot to do with the astronomy of 2012. The correlation between the end of the Mayan calendar and the unprecedented astronomical phenomena that's happening is certainly not a coincidence.

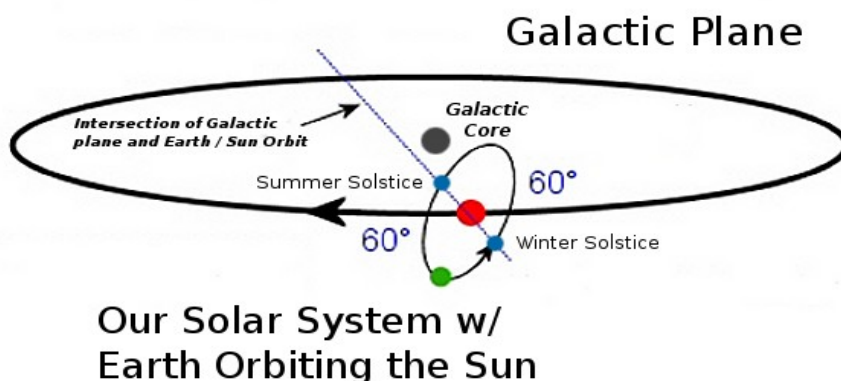
As represented in the diagram below, the orientation of our solar system relative to the galactic plane is that it sets at a tilt of about 60 degrees perpendicular.

If you were to visualize a flat pancake, and then stick a quarter in the pancake at a 60 degree angle, the quarter represents our solar system and the pancake the plane of the Milky Way galaxy.

At two times each year, the earth orbit around the sun, crosses the galactic plane. Currently, Based on the procession of the equinoxes the Sun is changing directions in our sky (the solstice points mentioned above), At the exact same time that we are crossing the galactic plane.

This only happens once every 26,000 years, the length of procession.

Annual Planetary Alignments



Why is this so important?

The power of our solar system emanates from the center of our galaxy in most mystical traditions. The Vedic people call this the "Vishnu Navel" (Navel of Vishnu). Obviously the Mayans also found this to be important, with their entire calendar ending when these two points intersect.

Multi Zodiac Implications

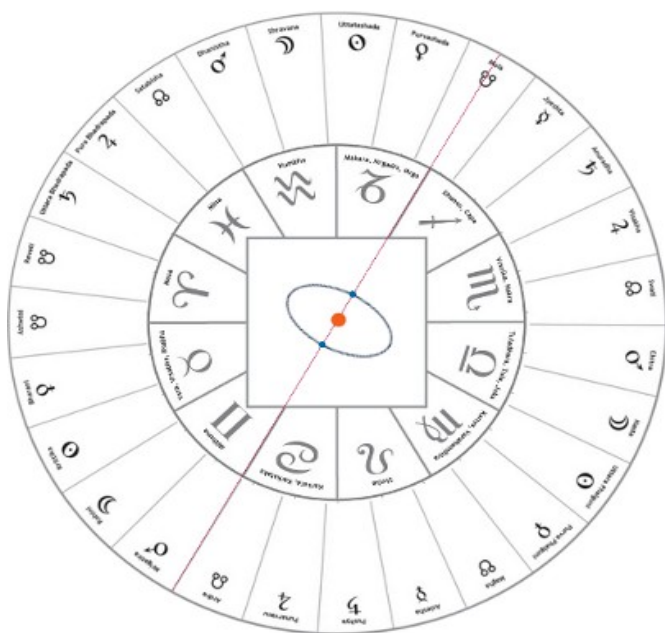
As You can see on the diagram above, the Earth crosses the galactic plane two times each year. If we were riding on the edge of the quarter stuck inside the pancake, two times each year we would actually cross over the plane of the pancake (Galactic plane). As was said, those “crossover points” now correspond to first days of summer and winter. Not only those days, but at the exact moment. These are exact moments - one second the Sun in moving one direction in the sky (from Earth) the next moment it is moving in another direction.

One of the most fascinating things I discovered is that these points are now corresponding to crucial sections on each zodiac. For those who are not astrologers or who do not understand astrology, I will explain the zodiac difference.

Vedic Astrology uses the zodiac that is accurate with the stars, the constellations in the sky. Western Astrology uses the zodiac that is accurate with the seasons, the solstice points and equinox points. Now, due to procession of the equinoxes, these two zodiacs are off by close to 24 degrees.

On December 21, 2012 (and on the first day of winter each year) we hit the degrees of Capricorn in “Western astrology”. This is because the most direct rays of the sun fall on the Tropic of Capricorn that day. The opposite this is the first day of summer, the most direct rays of the sun falls on the Tropic of Cancer. That is why Western astrologers call this the first day of summer, and the first day of the zodiac sign “Cancer”.

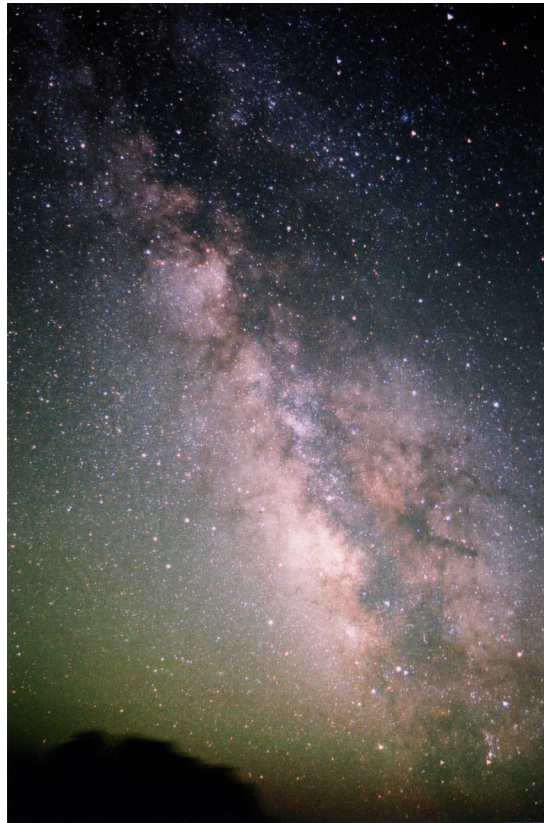
Yet, Those points have nothing to do with the zodiac signs, the actual stars in the sky that are behind the Sun, and whose energies are being referred to. The zodiac that is accurate with the stars in the sky is called a sidereal zodiac, it is the one used by Vedic astrologers. Vedic astrologers actually use the stars in the horoscope itself.



However, currently, as we pass through The solstice points, two very important points in each zodiac get activated. The winter solstice, as mentioned above, is the first degrees of “Capricorn” In Western astrology. Now the Summer solstice occurs, and we crossed the galactic plane, at the exact point where the Nakshatra of Ardra begins. The diagram to the left illustrates this. There was a time when the constellations and the seasons occurred simultaneously. Yet now, due to the procession, they no longer line up. Therefore, even though in Western astrology, the first day of winter happens on the first day of “Capricorn”, the actual stars of the constellation Sagittarius or what we see in the sky.

When We look at the constellation Sagittarius, we are looking back into the center of our galaxy.

Because of the way the Earth is turned, and the way our solar system is oriented toward the galactic plane, this constellation looks to us as it is represented below in the photograph.



The Center of the Milky Way Galaxy
as seen from Earth

5. Vedic Time Cycles

Even Though we see this unprecedented conjunction between zodiacs, solstices and our galactic center / galactic plane – we hear no specific mention of this in the Vedic texts. This is caused many Vedic scholars to overlook the phenomena of 2012. In fact, I was one of them for quite a while. I decided to speak about it because it was a popular subject. I had no idea I would uncover what I did while doing the research.

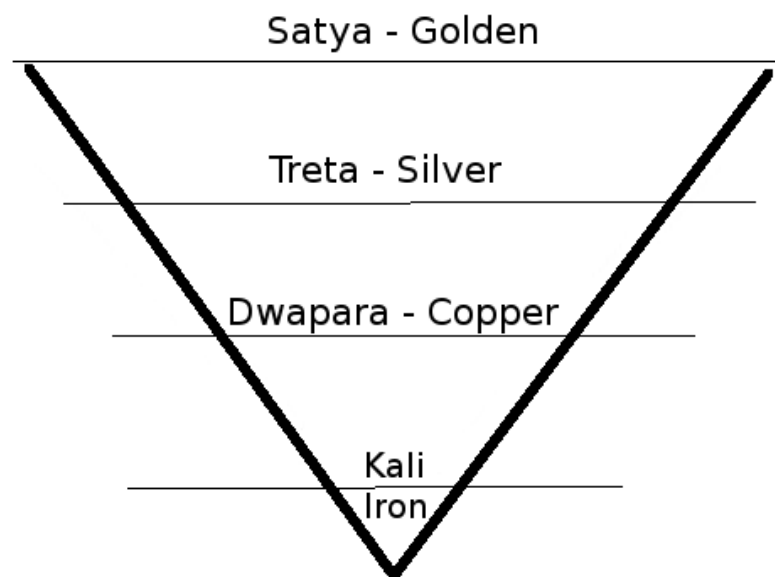
But still I wonder why the Vedic sages never mentioned this. I don't have an answer. It's my feeling they knew about this important astronomical event. Perhaps we will find some writing at some point. We certainly have not found every piece of Vedic literature.

Regardless, the Vedic people were masters of time and their cycles of time “Yugas” are very accurate and predictive.

At the beginning of the 20th century, Sri Yukteswar (An enlightened yoga master and astrologer from India), unraveled the riddle of the Vedic Yugas. In the literal sense, they have numbers which are astronomically large, much larger than our life on Earth. But Sri Yukteswar put the Yugas into a perspective that is relative to our times.

Our Current Place in the Yuga Cycles

Vedic Yugas - Cycles of Time



The Diagram above shows the four Yuga cycles. They unfold from highest to the lowest. The depth of human ignorance and darkness happened in the Kali Yuga.

According to Sri Yukteswar, The four cycles of time last 12,000 years. That is very close to half the age of procession, which would be 13,000 years out of a 26,000 year procession cycle. We are currently in the ascending Dwapara Yuga, having just started it in 1900. We entered that era after ascending from the previous Kali Yuga that began at the height of the darkest times known to man, around 500 AD.

David Frawley (Vamadeva Shastri) has proposed to break up the Yugas into smaller and smaller sub cycles, just like Vedic astrology works with the Dasas. Consult the table below for where we are in that scheme. You will see that the times we are in now, correspond closely with incredibly transitional points.

After ascending from the darkest era, for 1400 years, we entered the age of electricity (Dwapara Yuga) in 1900 and now find ourselves in the darkest part of this new ascending cycle. We are ascending from darkness, rather than descending from light. Notice how rapidly technology has progressed since 1900. In all areas of life. The population explosion alone is remarkable.

In 1850 there were 1.2 billion people
 In 1955 There were 2.5 billion people
 Now there are almost 7 billion people on Earth

1900 – 1920 Dwapara Kali Kali
1920 – 1960 Dwapara Kali Dwapara
1960 – 2020 Dwapara Kali Treta
2020 – 2100 Dwapara Kali Satya

All the great spiritual texts from thousands of years ago were from a time when they had previously been more enlightened and were losing it. From a more enlightened perspective they were slipping into darkness.

Now we are coming from a darker place and trying to ascend toward the light.

The important thing to know is that these shifts have been happening for 20 or 30 years and will continue for years to come. Most who perpetuate these big “End of the World” theories do not understand why the Mayan calendar is ending, the Yugas, the gradual nature of these things, etc. We have been within 1 degree / 1 day of the EXACT alignment for 50-75 years as the rate of precession is about 75 years per degree. (1 solar day)

Having said that, What is being referred to is mind blowing. The paradigm is shifting / has shifted.

We will have time. We will survive. In fact we are entering a more enlightened era, but ascending from a darker one. The changes are real and will be intense.

In Ayurveda (the medical system of India) there are many treatments that cleanse and purge toxicities in the body incurred from past abuse. Many of these treatments have us vomiting, defecating (enemas) sweating profusely and other things that are not necessarily “pleasant”. I see this current transition as such a time.

In order for the new Global culture to take hold, we must uproot the entrenched mistakes of the past. That is what we are seeing now. Interestingly, the Nakshatra that exists at the Galactic core is Mula, (“root” in Sanskrit) This is exactly the type of energy that comes from this Nakshatra / from the Galactic core.

6. Astrology of the Past and Future

Astrology is a system of divination. It is a way for us to connect our worldly experiences with the greater cycles of cosmic time unfolding. Patterns repeat themselves, yet take on new and important meanings, relevant to the here and now.

The Astrology cycles leading up to 2012 are quite remarkable. There are several very important astrological associations and returns that have to do with the outer planets of Uranus, Neptune and Pluto as well as recent and near future eclipses (The Nodes).

- * **Eclipse of July 21, 2009** we had the longest and most intense solar eclipse we will have for the rest of our lifetimes. Its duration and intensity was the most powerful of the next 135 years. Solar eclipses refer to major global shifts and spiritual “resetting”.
- * **Saturn and Uranus opposition until Mid 2010.** Saturn and Uranus are planets of structure and sudden changes and shocks to established paradigms.
- * **Pluto is in Sagittarius until 2021** - occupying this sign of the Galactic center. Pluto is the planet of dissolution and change, restructuring power – especially hidden forces.
- * **The north and south nodes** will also occupy the signs of Sagittarius and Gemini from November 2009 until mid 2011. Gemini and Sagittarius are signs that exist along these winter and summer solstice points.
The Nodes are at the eclipse points that transport us into the cosmic dimension, a dimension beyond time. The nodes are related to the kundalini, the deeper energy currents in our body.
- * **The Solar eclipse of January 2011** will occur at the exact solstice points being mentioned – 6 Degrees Sidereal Sagittarius and Gemini.

These unprecedented shifts are showing previous (unsustainable) structures sliding in all directions. Humanity must change – and change we will do. There is enormous hope in all of this.

FINAL THOUGHTS:

The Information in this Ebook is meant to be an outline to this very comprehensive subject. I am trying to walk the fine line between informing and not overwhelming people.

I am working on a book, doing workshops and finishing a video course that is 3+ HOURS long. I will be in touch when i have more things ready for you.

They will certainly include some more FREE stuff. :-)

I have some live video that I think will be helpful for you to have.



Best wishes,
Sam (Sadasiva)

P.S. If you enjoyed this, let others know too: <http://2012answers.info/invite.html>