

C-60 OR HUMAN RESONANCE CYCLE. AN IMPORTANT CYCLE IN THE PROGRESSION OF A NATAL CHART

Introduction: who was Demetrio Santos?

Apart from a few astrologers in Spain, worldwide students and practitioners of Astrology are not used to practicing the “60-year cycle” or “human resonance cycle” (C-60) as a method of advance a natal chart and interpreting it dynamically. Surely, you will find it very different from what you usually use (secondary and primary directions, solar arc, etc.), despite its simplicity and proven accuracy. His discoverer, the Spaniard Demetrio Santos, tested the cycle in more than five hundred natal charts of reliable birth hours.



Demetrio Santos in an interview for the newspaper *El Norte de Castilla*

Who was Demetrio Santos (1924-2016)? Maybe he was the most important astrological researcher and innovator of the 20th century. We say this supported by his deeply scientific orientation -that is, on the knowledge of current science-, the extraordinary breadth of sciences that he mastered - from classical to modern languages, Physics, Chemistry, Biology, Cosmology, History and Philosophy, he deeply knew the various religions, their texts and symbols, the art of religious buildings, etc.-, together with his integrating approach of the various disciplines, all this allowed him to write a vast work. He mastered English, French, German and Italian languages, Latin and Greek, which allowed him to exchange information with practitioners of Astrology from all over the world. Military by profession, retired with the rank of colonel, he taught science at the Academies (Mathematics, Physics, radio communication, nuclear energy, etc.). Assigned to Zaragoza, Toledo, the Canary Islands, Galicia, San Sebastián, etc., he visited the libraries of these and many other Spanish cities, where there is a broad ancient astrological heritage, which he indexed and made

known (Spain was one of the three major routes of penetration of oriental wisdom in Europe, along with Italy and Byzantium).

Recently, the Spanish Society of Astrology has published 62 volumes of 300 pages each, say, a total of 18,600 pages under the title *Su Legado* (His Legacy), all of his writings in the form of notes on which he based the following bibliography:

Investigaciones sobre Astrología (Researches on Astrology), 1978. Two volumes.



Tetrabiblos. Claudius Ptolemy. (Tetrabible). Translation from latin text. 1980.

La Interpretación astrológica. (Astrological Interpretation).1980.

Textos astrológicos medievales. (Medieval Astrological Texts). (Messahallah-Ben Ezra. (Tranlation from latin texts).

Astronomicon. Marcus Manilius. (Translation from latin text). 1982.

Astrología teórica (Ecuaciones Fundamentales). (Teoretical Astrology. Fundamental Equations).1985.

Textos astrológicos. (Astrological Texts). Zahel-Hermes-Almanzor Bethen. (Translation from latin texts). 1985.

Introducción a la Historia de la Astrología. (Introduction to History of Astrology).1986.

Sobre las natiuidades. (On Nativities). Alubather. (Translation from latin text). 1986.

Astrología física. (Physical Astrology).1988

Principios astrológicos. (Gradientes y Casas Fotoeclípticas). (Astrological Principles. Gradients and Photoecliptical Houses).1992.

El horóscopo de Felipe II. (Commentary on Philip II's Horoscope) Matías Haco. 1995.

Armónicas. (Harmonics). Claudius Ptolemy. Translation from latin text. 1999.

Tratado de Astrología y Magia de Alfonso X el Sabio. (Treatise on Astrology and Magic by Alfonso X the Wise). Commentary by Demetrio Santos. 2000.

Nomenclator Astrológico. (Astrological Nomenclator). 2002.

Miscelánea de Alquimia “Comentarium Alchymicum”. (Alchemy Miscellaneous). Commentary by Demetrio Santos. 2002.

El lenguaje de los truenos. (The Language of Thunder). 2003.

Toponimia ibérica. 2004.

El horóscopo de Francisco Franco. Francisco Franco’ Horoscope. 2006.

Astrología Teórica II (Helicoides). Teoretical Astrology II (Helicoids). 2006.

Comentario al evangelio. Commentary on Gospel. 2007.

La influencia de la radiación gamma. The influence of gamma radiation. 2009.

In this paper we will focus on explaining in a very summarized way why the C-60 is so important and how to use it. The reader will quickly discover how easy it is to apply this cycle and how well it describes the events of human life along the natal chart.

Transits and directions. What is the difference?

First of all, we would remember the difference between a planetary “direction” and a “transit”. Directions describes the individual’s own biological, psychological and mental clock, that is, the rhythm of his own evolution, regardless of external factors. Instead, transits comprise the “external environment”, to which the individual must adapt. Sometimes, we can see that strong transits do not bring into life any event o result. For them to become evident, there must be a “direction” on going, acting through a point of crisis. The presence of a virus or a stressful situation will hardly affect a healthy and strong individual; only someone weakened by depression of the immune system and defense mechanism will get ill or affected.

Origin of the 60 year cycle (technically 58.2 years)

Starting from a first Jupiter-Saturn conjunction at 0°♃ , for example, after about 20 years after, they meet again in the zodiac, but at a distance of 243° forward from the previous conjunction, close to 3°♈ ; after 20 more years, their meeting will be repeated to another 243° beyond (6°♉). After 60 years (actually, the average calculation indicates that 58.2 years will have elapsed), the third conjunction will be 243° forward the second happened,

therefore, at about $9^\circ \text{ } \Upsilon$ ($243 \times 3 = 729^\circ$, that is, two complete turns of $360^\circ + 9^\circ$), close to the first of the mentioned conjunctions (9° away, $9^\circ \text{ } \Upsilon$).

60 is an extraordinary and unique number: it gives rise to the sexagesimal system, early used in Babylonia for measuring angles and times (yet in use) and is at the basis of Chinese and Tamil calendars, etc. By assigning 360° to the circle, this value is divisible by 2, 3, 4, 5, 6, 8, 9 and 10 times (maximum number of divisors, something fundamental in undulatory physics and wave harmonics). Furthermore, the period of $T = 58.2$ years is present in the biorhythms: $23 \times 28 \times 33$ days = 21,252 days = 58,1848 years.

60 days is also at the basis of the lunisolar calendars used in the past. Since the lunar synodic period (from new moon to new moon) is 29.5 days, months can be calculated using a 29-day month followed by a 30-day month ($29.5 \times 2 = 59$ days) to which is added a day, and start over. The error made by this method is slight. All this adds up so that the C-60 is present everywhere in Nature. Remember, waves, so important in Astrology, do not require absolute accuracy to become evident.

C-60: Ascendant progression

The progression of the C-60 is identical to the “profections”, apart from the speed of advance. Here, the Ascendant is advanced counter-clockwise at the rate of one sign per year. Thus, we have a period of $T = 12$ years, very roughly the period of Jupiter. Why a 60-year cycle applied to human life? Here the Ascendant progresses at the speed of $360^\circ/58.2$ degrees per year, that is, roughly $6^\circ/\text{year}$. Let’s look at some reasons for this:

In the human being, some cycles affect his biological system, others the psychic, others the spiritual, etc. Known are biorhythms that operate at a circa-monthly level, others at a physiological level with a circadian period, and many more. But, in any case, the period must respond to a real action of the environment to which the organism has adapted (here, the daily light cycle, or the monthly cycle of the Moon). If we take a plant like wheat, with an annual cycle, it evolves accordingly, responding to the light and heat of the Sun. If we think of a hypothetical plant responding to these same influences, and we give it a cycle of a year and a half, would be eliminated in the first cycle, since it does not adapt to it.

For this reason, living beings, man included, have to respond to some cosmic rhythm, that is, to a real planetary period or to one of its harmonics. We have to investigate here the cosmic periods close to the length of human life and, the one that is most important, will undoubtedly be the one that most influences man.

Of course, given the shape of the resonance diagram, the period need not be exact. If the cycle has a period of 5 years, a living being whose life span is 5.25 years will respond to it, equally, in practice.

Observing the possible simple and compound planetary periods, we see that the closest to the length of human life is the one formed by the two great chronocrators, Jupiter and Saturn, with period $T = 58.26$ years, which

we have taken as the basis of the system of the C-60; we could also choose its double harmonic, 116.52 years, but this is farther from the current length of human life, which time is close to 70/80 years, and also its harmonics. C-60, on the other hand, is widespread in the Far East and has been used in their calendrical scheme.

The two most important planets in the Solar System are Jupiter and Saturn, which are linked by the resonance of their periods (2 of Saturn equals 5 of Jupiter). Being the planets with the greatest mass, the rest of the System is subordinated to a greater or lesser extent, and their periods will be in harmony with them, hence their chronocratic function. Their action is so important that only they are observable, apart from the Sun and the Moon, in their action on the Earth's tides, despite their distance from it.

Its periods, therefore (just as we saw in the plant with respect to the annual Sun), will be those that have selected the existence of living beings whose vital length is close to this, among them man, and, like the plant, like this, does not exceed, or almost reaches, the annual period, the man will little exceed the length of the cycle of 60 years, generally.¹

If you know the Huber system of the point of age, or Boris Cristoff's pro-Luna method, they "direct" or "advance" counter-clockwise the degree of the Ascendant so that in 72 years (Huber) or 84 years (pro-Luna) the directional vector (moving point) completes 360° along the natal chart. The C-60 takes exactly 58.2 years to go around (the time that Jupiter and Saturn require to complete three consecutive conjunctions, so that the third is 9° forward from the first). Such exactitude has important consequences on various physical levels. The cycle is at the basis of the sexagesimal numeral system (times, angles, circumference and trigonometry, etc.), of the Chinese and Tamil calendars, etc. Likewise, C-60 is found in all kinds of data series and "proxy" (financial markets cracks 1929-1987, climatic records, sediments, cosmogenic radioactive isotopes...) and also in the development of human life. That is for we can speak of "human resonance cycle".

If the moving point from the degree of the Ascendant takes exactly 58.2 years to complete 360°, it means that it takes roughly 5 years to complete a zodiac sign at a constant speed. It begins with the birth crisis (0°, 0 years old), so that we have the first quadrature of the cycle (90°) by 14.5 years after (puberty, adolescence, growth crisis, sexual maturation). It reaches 180° (opposition) around 29 years old (coinciding with the first return of Saturn, "crystallization of character"). The second square arrives by 43.5 years old (mid-life crisis, transiting Uranus opposite natal Uranus); and again, conjunction by 58.2 years old (the transit of the C-60 through the 12th House is very critical and has to do with genetics, hence at this age there is a peak in cancer diagnose).

We can see how C-60 is the only cycle that adequately describes the revolution that adolescence entails in all human life, a period that, like other

¹ Demetrio Santos. *C-60 o C-72*. Revista Astrológica MERCURIO-3 n° 8, 3° trimestre 1988.

critical points, put severe conditions to the subsequent evolution of the individual, something that must always be taken into account in astrological interpretation (an issue that is often overlooked).

Each point or degree of a chart receive or “watches” various aspects of the planets, which describe (meaning of “planetary constellations”) and develop pattern changes in the flow of events of human life over time (remember, the degree of the Ascendant advances in the C-60 6° per year). The life of the individual can be in danger when the mobile point (which means the current state of individual at a moment in his or her life) reaches the degree of a malefic by direction, especially by square or opposition. If there are several planets and aspects involved, we can establish a scale of “strength” or “weight” of these aspects and add them up.

Here is the value of each aspect deduced from the Theory of Fundamental Equations, in astrodines²:

Aspect	Gradient	Angle	Astrodines
Conjunction ☿	1,552192	0°	10
Semi-square ∟	0,239903	44.25°	1.55
Sextil ✕	0,394227	59.43°	2.54
Square □	0,593897	90.02°	3.83
Trine △	0,415614	120.39°	2.68
Sexqui-square ▤	0,217291	134.40°	1.4
Oposition ☿	1,608782	180°	10.36

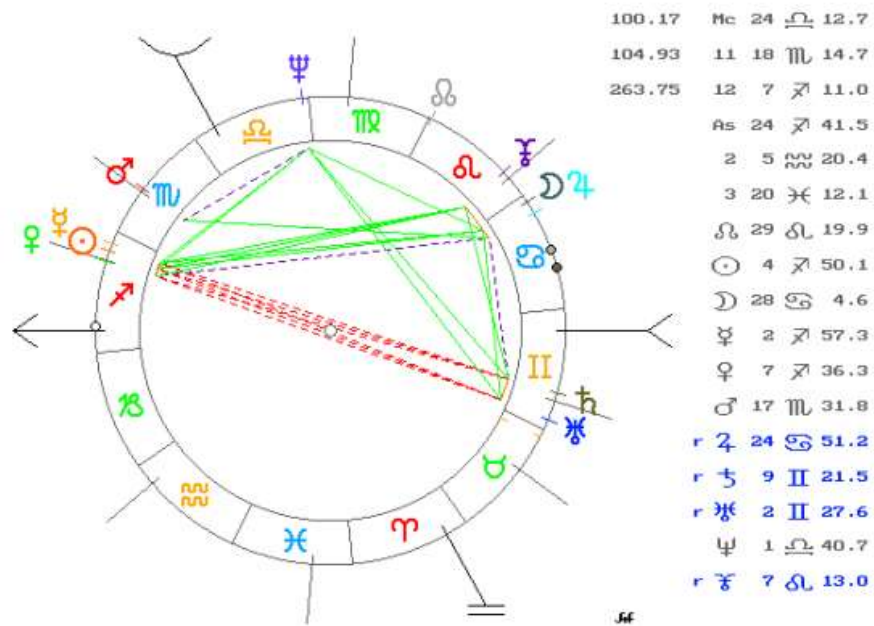


Jimi Hendrix: a legendary guitarist and member of 27 Club

Now, let us see how to quantify a crisis. For this we will use a well-known character, one of the best pop guitarists of the sixties. Here is the natal

² Personal communication, December 2001. Values obtained by computer.

chart of Jimi Hendrix, one of the members of the “27 Club”. When Jimi was 27 years old, the moving point of C-60 had reached the beginning of Gemini. Jimi died in London on September 18th 1970 due to an overdose of barbiturates, so he was two months short of turning 28. In the initial degrees of Gemini and Sagittarius we can see Uranus and Saturn, opposing Mercury, the Sun and Venus. This is a crucial point of the Jimmy’s natal chart, with a single conjunction opposed to a threefold conjunction in anaretic Houses such as the 6th House and the 12th House. If we add the astrodines corresponding to conjunctions and oppositions, we have at the “age point” of the C-60, when Jimi was 27 years old:

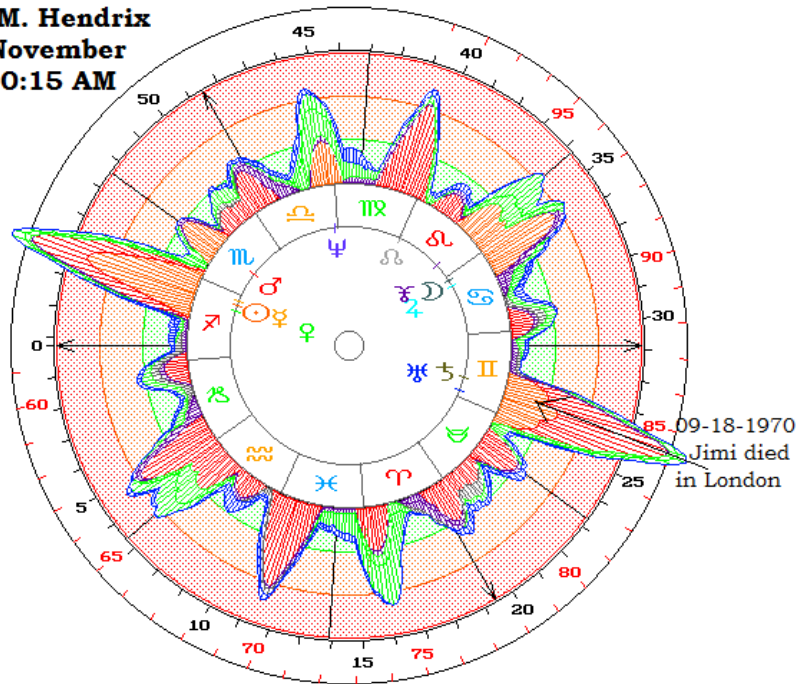


James M. Hendrix. November, 27th 1942. 10:15 a. m. Seattle

♈ ♋ 10 astrodines; ♉ ☉ 10,36 a.; ♉ ♁ 10,36 a.; ♉ ♃ 10,36 a.; ♋ ♃ 2,68 a.; ♋ ☾ 2,54 a.; ♋ ♌ 2,54 a.; ♋ ♍ 2,54 ast. **Total = 51.38 astrodines.**

Let’s see it in the C-60 graph:

James M. Hendrix
1942, November
27th. 10:15 AM
Seattle



Jimi Hendrix C-60 Graph

We represent here the advance of the C-60 with a graph of concentric circles and the total astrodynamic values for each point of the Zodiac on the natal chart. The inner circle contains the Zodiac and the planets. Next, we can see four concentric circles, each of them represents 10 astrodynamic values, so that we can assess the vital crisis in a quantitative and qualitative way. The peaks in the graph “pierce” the circles more or less according to the sum of astrodynamic values in each degree: one circle = 10 astrodynamic values; two circles = 20 astrodynamic values, etc. Ten astrodynamic values suggest a disease or event of an ordinary nature; with a sum of 20 astrodynamic values we can expect a more remarkable disease or event; if there were 30 astrodynamic values we could expect a serious disease or event (those values come from experience and observation).

What kind of event or illness can we expect? Those of each planet rules or means. For example, with strong aspects of Mars we can expect hyperactivity, and therefore arguments, traffic accidents, surgery and the like. With Venus, love affairs, with Saturn bone problems, depression, loneliness, losses, etc. The age of the individual must always be taken into account (in elder people, chronic diseases; in children, childhood diseases, and so on).

Jimi Hendrix’s natal chart shows at 27 years old a peak of 51.38 astrodynamic values, an exceptional value. Leaders, outstanding scientists, founders of religions and important figures in history usually show peaks of 30-40 astrodynamic values *and very exact conjunctions and aspects*. They are mentally and physically strong, capable of overcoming their important crises, from which they come out stronger. The general population, on the other hand, does not present these configurations, and, if they are born with them, they usually

succumb to such crises, physically or psychologically. It seems, therefore, that Jimi Hendrix was not able to overcome the exceptional point of the 27 years old marked out in his natal chart.

Now, about qualitative interpretation of the aspects: red colour represents squares, semi-squares and oppositions; orange, conjunctions; green colour sextiles and trines; and blue quintiles and bi-quintiles. Astrologers make up the difference between “strong” and “weak” aspects, “beneficial” and “maleficent” planets, etc. Does the Theory of Fundamental Equations afford anything else? Certainly. Conjunctions involve all harmonics, therefore, the crises are distributed among all levels of the individual. On the other hand, opposition and squares involve only the 1st and 2nd harmonics³, therefore, they are evident on the physical level, on the resonance plane in the form of somatic diseases. Trines and sextiles involve the 3rd harmonic, further from the fundamental level, so, they will manifest themselves psychologically. And likewise, the aspects and cycles that involve higher harmonics will be revealed in deeper levels of human being. But this is a matter to be developed in a specific exposition on the modern meaning of aspects.

Dynamic interpretation of a natal chart through the C-60

One of the advantages of moving the Ascendant through this system is that it allows to analyze the evolution of the individual from his or her first years of life. A crisis changes the individual, physically and psychologically. From crisis to crisis arises something different, the organism and personality goes through stronger or weaker states, and likewise occurs at psychological level. From crisis to crisis, the individual evolves and each subsequent state depends on the formers. We really are a series or sum of crisis = transformations = metamorphoses. A strong crisis in the early years can make a complex so that the individual would repeat the same failure in successive crisis (relationships, nurturing, drugs, sex and so on). On the contrary, the individual may grow up, learn de lessons of life and becomes a leader.

Childhood and youth traumas can create complexes -or, on the contrary, make the young one evolves positively- that will lead to new failures in each subsequent crisis or, on the contrary, will make the subject an outstanding character.

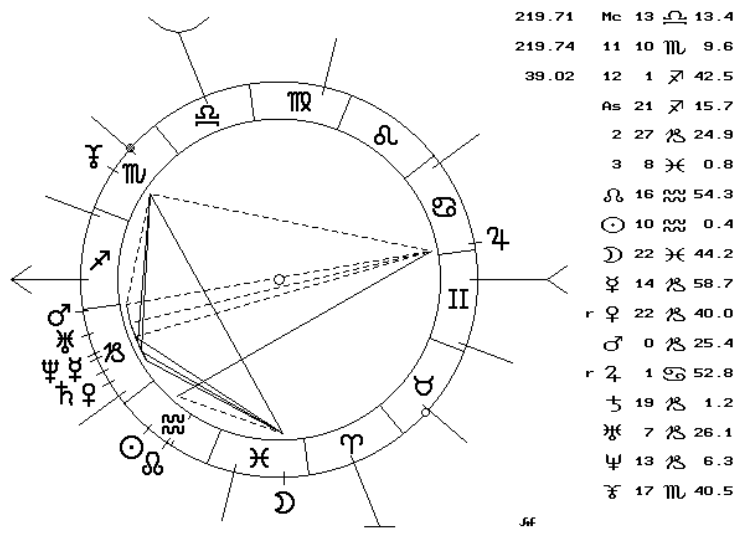
Modern astrological interpretation conceives of time as a continuously point that extends from the past through the present toward the future. In some way, as it happens at atomic levels with energy, human life does not evolve in a continuum, but throughout discrete jumps or events. Clocks and calendars advance at definite uniform speed, but human life -as that of the

³ This is very different from John Addey's theory about harmonics.

living beings-, does not. There are calm spells of evolution and, suddenly, events begin to happen, individual life accelerates, we are caught on stress states and we get ill: it is the crisis, marked out by planetary aspects to the moving point of C-60 (increasing number of astrodines).

Of course, if the C-60 cycle works, the kind of events must fit with the planets casting aspects to the C-60 moving point (remember, this point represents the current state of the individual). Periods with low number of astrodines = periods of wellbeing and calm (unless a former complex or trauma); increasing number of astrodines = increasing events per unit of time, spells of stress and agitation and, maybe, illness. In this way, life does not go through a continuous ascending line, but is made of discrete periods of calm and stress, steps forward and backward, and so on.

Psychology and Medicine teach us that experiences and illness in the first years of life marks physically and psychologically the child for the rest of his life, and the same reasoning is applicable in the natal chart interpretation. Let's take the example of a very precocious girl:

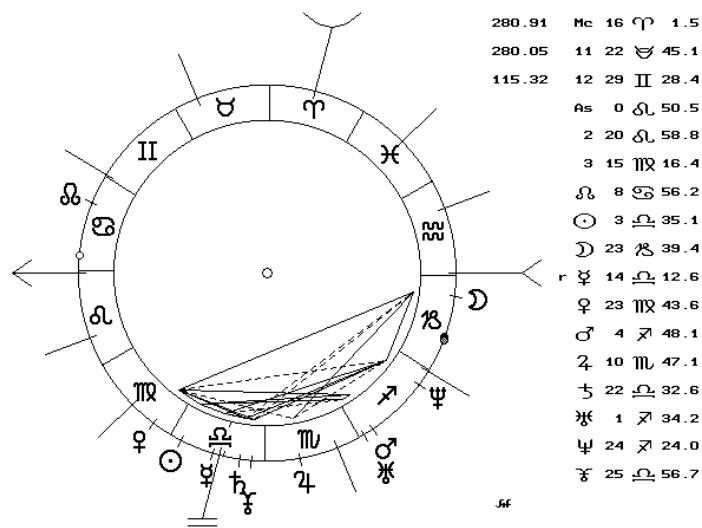


Natal chart of a precocious girl

How can we explain that this girl had a very fast evolution, which surprised both her parents and her teachers, and rapidly became the leader of her classroom? Very simple: if we advance the Ascendant at the rate of 6°/year, the moving point will have “touched” by conjunction (which affects all harmonics) before reaching the age of six, Mars, Uranus, Mercury, Neptune, Saturn and Venus, making arise in her the potential of all six planets (at the level of her age, of course). And the first of these six planets was Mars, in the first degree of Capricorn (exaltation and conjunct to the Ascendant): this girl even smacked kids, her innate tendency in kindergarten was to dominate everyone.

We call this type of consideration dynamic interpretation, that is, analyzing each point of the horoscope in time, placing it at the corresponding age, taking into account that each important planetary aspect will condition the subsequent development of experiences. Successive crisis will be conditioned by the individual reaction to the formers. From this we can understand how important is taking into account what was the result of previous crisis (life's proofs from a religious point of view). Critical points in the Imum Coeli (4th House) will give a difficult adolescence; in 5th House (20-25 years) difficulties in love affairs; in the Descendant (29-34 years) marriage crisis, etc.

For an individual with all the planets below the horizon (invisible at the moment of birth), the directional vector (age point) will make conjunction to all of them before the age of 29; as the conjunction involves all the harmonics, it means that during that fraction of her or his vital period she will update all planetary levels within the individual. But, along those years, the individual evolves with little weight of responsibilities, is dependent on the family and the environment that resolves for him or her almost everything and, therefore, evolves with great deal of freedom. So, she or he will be precocious, and, consequently, demanding with others. She or he will show a greater affective demand and attention from others, the ego will grow much more than if the planets were in the visible part of the sky.



Natal chart with all the planets below the horizon

On the contrary, a subject with all planets visible at the moment of birth (above the horizon), since aspects as squares, oppositions, trines and so on only involves a limited number of harmonics (see the Fundamental Equation's Theory), does not begin to update all planetary levels within himself up to 29 years old, during a time when social conditioning factors constrain his or her freedom. Attitude in life will be much more conditioned than in the previous case and his or her behaviour will be very different.

I encourage the reader to apply the C-60 cycle to their own chart and those of their friends, or popular people. In this way, the C-60 technique of interpretation and prediction can begin to claim their rightful place in the field of astrological innovation.

An important consideration: the “deviation” of the Ascendant

If you test the C-60 progression using the Astronomical Ascendant, you will realize that events occur with a systematic error of about a year. Normally, one year must be added to the crises or “peaks” of the C-60.

On the one hand, this suggests that the true Ascendant is not the one indicated by astronomical calculations. And on the other, we find in various ancient texts the suggestion of take a few degrees back the astronomical Ascendant (5° in latitudes such as Alexandria, homeland of Ptolemy).

Demetrio Santos addressed the question and found the reason in the luminous influence, defining and calculating the “Photoecliptic Ascendant” and providing a system of new Houses, the “Photoecliptic Houses”. In order not to extend ourselves too much, we will address this issue in a future paper.

José Luis Pascual Blázquez

cabanuel@gmail.com

<http://astrofactoria.webcindario.com>