



Tidy Vesta Can Warn Us of Messy Disasters

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When central governing figures such as mayors, governors, prime ministers, and presidents are faced with a massive disaster affecting their constituencies, their secondary progressed Vesta in major aspect can signal the onset of the crisis. Analysis of disaster charts in general also finds Vesta often present and indicative of a need to 'clean up' unwelcome disorder, whether on localized or multi-national scales.

Astrologers need to find a way to provide sufficient warning of terrible events with relatively pointed accuracy. But how can this be done? We all know the transiting planets are out there dancing for everyone, and when they arrange into grand crosses or malignant T-squares including, for instance, Saturn, Pluto, and Mars, they manifest in people's lives in such a wide spectrum of ways. One person's divorce is another's mother dying suddenly, and another's home swallowed by a sinkhole. When such a menacing-looking configuration begins to form, how could we possibly pinpoint the place, as in the country, much less the state, city, or town that might find itself somehow involved in a natural or politically-inspired catastrophe?

You might argue that we do not have the wide range of statistics necessary to predict at that scale. No one wishes a government to manipulate its population data in Big-Brother fashion, but if we had everyone's birth info in a data bank and could calculate *en masse* the progressions and transits of such large groups, only then could one see when a section of a state or large city had persons whose progressions/transits suggest they are up for a significant trial. That has to be the case, correct? If a plane goes down, at the least, the loved ones of all

aboard were set for some nasty squares, oppositions, and/or conjunctions relating to their chart. The wider community is affected, as even eye witnesses to a disaster can be traumatized, so wouldn't processing all those birthdates show us a trend towards some disturbing event?

To be honest, such Orwellian methods may not be needed. There's perhaps an easier way to figure out where natural or man-made disaster is imminent or threatening. You might simply need the birth info of the top politicians of the place that is ripe for trouble. Why? Because they are going to be in the thick of the proverbial maelstrom.

Certainly this theory should be easy to test by examining (in)famous calamities of the past. If disaster hadn't hit in those now-historic situations, the mayors and governors involved would likely have almost disappeared in the public record, leaving their name but rarely a birthdate for our perusal. But if the big earthquake hits, the flood overtakes the city, or the tallest buildings ring down to the ground, those city and state leaders will certainly have their birthday in Wikipedia.

What would you look for specifically that might presage catastrophic conditions? Surprisingly, what many would dismiss as just a minor planetary body is a useful bellwether of trouble: dwarf planet Vesta, fourth largest object in the Asteroid Belt. This little workhorse has a message for us: if I'm in your secondary progressed chart angularly challenging your Sun, Mercury, and/or Mars, you are going to be working your tail off and burning that midnight oil.

Why would Vesta play such a role? Jean Shinoda Bolen in *Goddesses in Everywoman* theorized in 1984 that the archetype of Hestia (the Greek Vesta) "puts... her house in order."¹ This focus on work, especially in a "home" environment, was elaborated on by Demetra George in *Asteroid Goddesses*,² cementing an association of Work with asteroid Vesta. It therefore makes sense that Vesta might crop up when a massive cleanup or drive to "put things right" might be required. Huge calamities like earthquakes, tsunamis, floods, terrorist attacks, or sudden acts of war put pressure on the central political leader in charge, so naturally that individual would be "burning the midnight oil" and working on overdrive. A telltale major Vesta contact in progression to Sun or Mercury could aid in predicting where a major storm or terror attack might strike, by checking the charts of the governing personages whose sphere of responsibility is in a storm's path or where terrorist acts are being threatened. Even lacking the time of birth, this technique can still be used, since Vesta is slow and doesn't move much in 24 hours. So this industrious little dwarf's relationship to the Sun or personal planets in transit or progression can be pinpointed quite accurately, unlike a predictive strategy that might depend on the Moon's location or house positions.

This study researched some of the most famous catastrophes of the 20th and 21st Centuries, and found that Vesta indeed appears in leaders' progressed charts, in some form of culminating aspect, usually with progressed Sun. Analysis also revealed that the event charts of man-made catastrophes showed Vesta prominent in transit, many times with Mars, indicative that the accident or attack (Mars) entails a considerable cleanup effort (Vesta). Even enterprise charts like when Japan's Fukushima Reactor No. 1 first went online, and the founding chart of Japan from 660 BCE, when progressed to the 2011 Earthquake/Tsunami, display Mars/Vesta warnings.

Let's jump right into some examples to see all this happening in fact:

Mayors on Point

Rudy Giuliani (May 28, 1944, 2:30 p.m., Brooklyn, NY³), mayor of New York City on 9/11/2001. When the two World Trade Center towers were hit, Giuliani's *p. Sun (1 Leo 58) was conjunct p. Vesta (4 Leo 52)*.

The applying conjunction makes a long transit of p. Sun/p. Vesta, corresponding to the protracted cleanup of lower Manhattan. Giuliani's stint as mayor did not last through that period, as he reached the end of term limits early the next year. Nevertheless he continued to be associated with the after-effects of the attack. Giuliani ran for president in many ways based on this reputation as the tough mayor who led New York City through that horrific time. So whether due to political expediency, genuine concern, or a mixture of both, Giuliani remained connected with 9-11 relief efforts as his p. Sun/Vesta conjunction perfected and separated.

Ray Nagin (June 11, 1956, New Orleans, LA⁴; 7 a.m. used), mayor of New Orleans during the onslaught of Hurricane Katrina (August 29, 2005, "early morning" landfall; 7:40 a.m. first damage reported⁵): Nagin faced this widespread disaster with his **p. Sun (7 Leo 31) square p. Vesta (7 Scorpio 47)**.

Richard Riordan (May 1, 1930, Flushing, NY⁶; 7 a.m. used), mayor of Los Angeles during the Northridge Earthquake (January 17, 1994, 4:30:55 a.m.⁷), as his **p. Mercury (28 Gemini 59) was sextile p. Vesta (0 Virgo 32)**.

Riordan was stupefied to find that most city government agencies were woefully unprepared for this crisis, and used his many contacts (Mercury) to get private corporations to help (Vesta) in the days after the quake hit.⁸ Riordan went on to create the Department of Emergency Management to handle future disaster management.

Mike Rawlings (August 24, 1954, Dallas, TX⁹; 7 a.m. used), mayor of Dallas during the Ebola crisis (September 30, 2014 to November 7, 2014¹⁰; earliest date used), as his **p. Sun (0 Scorpio 41) was trine p. Vesta (1 Cancer 59)**.

The panic about a possible spread of the virus subsided in a few weeks, fortunately for Rawlings and his constituents, which is perhaps reflected in the auspicious trine aspect.

State and City Leaders Tackle California's Worst Disaster

Each of these civic leaders remarkably had Vesta semi-square personal planets in progression when the Great San Francisco Quake of 1906 hit.

Eugene Schmitz (August 22, 1864, San Francisco, CA¹¹; 7 a.m. used), mayor of San Francisco during the 1906 Earthquake, sprang into action with his **p. Sun (10 Libra 18) semi-square p. Vesta (25 Leo 32)**, immediately forming a committee of 50 prominent politicians, businessmen, and other city leaders to address the crisis.

Frank K. Mott (January 21, 1866, San Francisco, CA¹²; 7 a.m. used), mayor of Oakland during the 1906 Earthquake, as his **p. Sun (12 Pisces 05)/Venus (13 Pisces 26)/Mercury (13 Pisces 25) applied semi-square p. Vesta (0 Aquarius 50)**. Oakland was affected by the quake due to the influx of about 150,000 refugees from damaged and fire-stricken San Francisco.¹³

George Cooper Pardee (July 25, 1857, San Francisco, CA¹⁴; 7 a.m. used), governor of CA during the 1906 Earthquake. With his **p. Mercury (15 Libra 04) applying semi-square p. Vesta (3 Virgo 53)**, Pardee traveled to the affected region and set up a command center in Mott's Oakland office. He reportedly worked 20-hour days, managing all the necessary details to aid not just San Francisco but all affected cities.

The Top Job Feels the Heat

These presidents and prime ministers experienced difficult square or semi-square aspects between Sun (or Mars) and Vesta during their respective crises:

Franklin D. Roosevelt (January 30, 1882, 8:45 p.m., Hyde Park, NY¹⁵), U.S. president at the time of the attack on Pearl Harbor (Dec. 7, 1941¹⁶), as his **p. Sun (11 Aries 05) was semi-square p. Vesta (26 Taurus 52)**.

Jimmy Carter (October 1, 1924, 7 a.m., Plains, GA¹⁷), U.S. president during the Three Mile Island Accident (March 28, 1979¹⁸). At the time, Carter's ***p. Sun (2 Sagittarius 29) was square p. Vesta (29 Aquarius 36)***.

Rajiv Gandhi (August 20, 1944, 6:34 a.m., Bombay, India¹⁹), prime minister of India during the Bhopal Disaster (Dec. 3, 1984²⁰), as his ***p. Mars (20 Libra 27) was semi-square p. Vesta (5 Virgo 03)***. Cleanup, victim compensation, and legal resolution of the incident dragged on for years.²¹

Naoto Kan (October 10, 1946, Ube, Japan²²; 7 a.m. used), prime minister of Japan during the 2011 Tōhoku Earthquake/Tsunami (March 11, 2011²³), as his ***p. Sun (20 Sagittarius 25)/Mars (26 Sagittarius 40) squared p. Vesta (26 Pisces 31)***.

Yoshihiko Noda (May 10, 1957, Funabashi, Japan²⁴; 7 a.m. used), prime minister of Japan after the resignation of Prime Minister Kan. Noda became responsible for the earthquake/tsunami disaster response after Sept. 2, 2011,²⁵ as his ***p. Sun (20 Cancer 31) squared p. Vesta (16 Aries 31)***, and ***p. Mars (13 Leo 36) trined p. Vesta (16 Aries 31)***.

Noda's progressed Mars trine Vesta bodes unusually well, which seems counter to speculation that Japan would need years to recover economically from the tsunami's effects. However, in December 2011, Prime Minister Noda declared the Fukushima Daiichi facility stable after shutdown of its reactors was completed.²⁶ By early 2012, reports surfaced that industry had recovered to pre-earthquake levels of production.²⁷

Intriguingly, the event chart for the **Fukushima Daiichi No. 1 plant going online** (March 26, 1971, Fukushima, Japan²⁸; 8 a.m. used), progressed to the 2011 Tōhoku Earthquake/Tsunami, has the same revealing indicator as the politicians: ***p. Mars (0 Aquarius 32) conjunct p. Vesta (1 Aquarius 45)***.

Even the **Traditional Founding of Japan** chart (February 19, 660 BCE, 8 a.m., Yamato, Japan²⁹), progresses a whopping 2,671 years to the 2011 Tōhoku Earthquake/Tsunami to reveal ***p. Mars (3 Gemini 53) semi-square p. Vesta (17 Aries 11)***. The date may be only legendary, yet it works.

Disasters Mean Jobs Jobs Jobs

The event charts of the following catastrophes, many referred to above, remarkably show Sun or inner planets in sextile with Vesta. Certainly the cleanup jobs were far from easy. However, in each case, aid organizations (local, national, and in some cases international) were able to mobilize and assist the affected areas. In other words, aid and cleanup workers (Vesta) supported (sextile) the return of normal life (Sun). You might even venture that such occurrences attract participation of those predisposed to work: those who like to work, need work, and/or excel at work.

Bhopal Disaster (Dec. 3, 1984, Bhopal, India, "early morning hours"³⁰; 2 a.m. used), ***Sun (10 Sagittarius 51) sextile Vesta (9 Libra 57); Mars (12 Aquarius 54) trine Vesta (9 Libra 57)***.

Chernobyl Disaster (April 26, 1986, 1:23 a.m., Chernobyl, Ukraine, USSR³¹), ***Mars (13 Capricorn 08) sextile Vesta (15 Pisces 43)***.

Hurricane Katrina (August 29, 2005, "early morning" landfall, New Orleans, LA; 7:40 a.m. first damage reported³²), ***Sun (6 Virgo 16) sextile Vesta (5 Cancer 50)***.

1906 San Francisco Earthquake (April 18, 1906, 5:12 a.m., San Francisco, CA³³), ***Sun (27 Aries 34) sextile Vesta (29 Aquarius 12)***.

1994 Northridge Earthquake (January 17, 1994, 4:30:55 a.m., Northridge, CA³⁴), *Sun (27 Capricorn 10)/Mars (21 Capricorn 44) sextile Vesta (23 Pisces 20)*.

2011 Tōhoku Earthquake/Tsunami (March 11, 2011, 2:46 p.m., Tokyo, Japan³⁵), *Sun (20 Pisces 18) sextile Vesta (20 Capricorn 14)*.

Difficult Recoveries

Some incidents make cleanup difficult, whether due to the fear of radiation poisoning or other extraordinarily dangerous conditions at the disaster site. Inhospitable Mars conjunctions or hard aspects to Vesta are frequently found on such occasions.

Three Mile Island Accident (March 28, 1979, 3 a.m., Middletown, PA³⁶), *Mars (22 Pisces 26) conjunct Vesta (21 Pisces 12)*.

Hiroshima Atomic Bombing (August 6, 1945, 8:16 a.m., Hiroshima, Japan³⁷), *Mars (9 Gemini 12) sesquiquadrate Vesta (27 Libra 19)*.

The complete surprise of the attack and ongoing war with the rest of the world precluded any outside humanitarian aid being offered to Japan after Hiroshima was bombed. Years passed before more organized efforts inside Japan and outside assistance were mobilized.³⁸

Nagasaki Atomic Bombing (August 9, 1945, 11:02 a.m., Nagasaki, Japan³⁹), *Mars (11 Gemini 16) sesquiquadrate Vesta (28 Libra 35)*.

Even after the Hiroshima bomb devastated that city, Japanese leaders refused to act, either to surrender or to prepare for more bombings, due to disbelief that the Americans had indeed perfected atomic weaponry.⁴⁰

2010 Haiti Earthquake (January 12, 2010, 4:53:10 p.m., Port-au-Prince, Haiti⁴¹), *Sun (22 Capricorn 35)/Venus (22 Capricorn 50) sesquiquadrate Vesta (6 Virgo 21)*.

Even after an international relief effort was mobilized to help and various sources donated nearly \$1 billion to the cause,⁴² widespread poverty already present before the quake made satisfactory “restoration” of order difficult. By 2012, more than a half-million people still lived in tents in the capital.⁴³

Malaysian Airlines #370 Lost (last transmission March 8, 2014, 1:19 a.m.⁴⁴; Kuala Lumpur, Malaysia, used), *Sun (17 Pisces 03) sesquiquadrate Vesta (29 Libra 51); Mars (27 Libra 18) conjunct Vesta (29 Libra 51)*.

An international search and recovery effort was unsuccessful due to the impossibly vast area of ocean where the aircraft might have crashed.

Malaysian Airlines #17 Shot Down (July 17, 2014, 4:20 p.m.,⁴⁵ Grabovo, Ukraine⁴⁶), *Sun (24 Cancer 53) square Mars (25 Libra 41)/Vesta (25 Libra 23)*.

The ongoing conflict between Ukraine and separatists fighting for union with Russia made inspection and recovery of the crash site a dangerous enterprise.

Hitler: Self-Creating Disaster

Vesta not only warns of coming chaos generated by nature or evil others. It's possible for anyone to be their own worst enemy and make a mess of things. If you're Adolf Hitler, for example, you have a rather stunning talent for eventually creating havoc whenever you launch any new enterprise, as in attempting a coup, or becoming chancellor of Germany, or even taking your first breath:

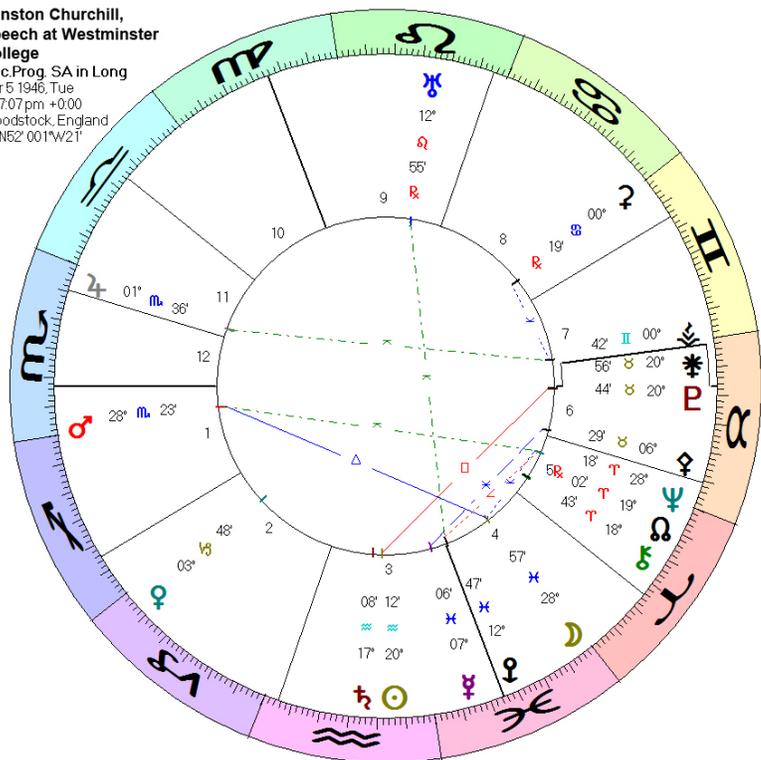
Hitler Milestone:	When Hitler reaches:	Vesta cues some big trouble:	What happened:
Born: April 20, 1889, 6:30 p.m., Braunau am Inn, Austria ⁴⁷	The Beer Hall Putsch, Nov. 8, 1923 ⁴⁸	p. Sun (4 Gemini 12) conjunct p. Vesta (4 Gemini 05)	Hitler miscalculates and the coup fails. He is convicted of treason and spends a year in prison.
Attempted Coup: Beer Hall Putsch, Nov. 8, 1923, 8:30 p.m., Munich, Germany ⁴⁹	Defeat at Stalingrad, Feb. 2, 1943 ⁵⁰	Beer Hall Putsch event's p. Sun (4 Sagittarius 46) conjunct p. Vesta (4 Sagittarius 39)	850,000 Axis casualties (dead and injured), ⁵¹ plus Hitler has to explain to the German people what went wrong, as earlier he claimed victory.
Named Chancellor of Germany: Jan. 30, 1933, 12 p.m., Berlin, Germany ⁵²	Berlin Besieged by Russians, April 30, 1945 ⁵³	Chancellor of Germany event's p. Sun (22 Aquarius 32)/ p. Mercury (25 Aquarius 25) square p. Vesta (25 Taurus 45)	Hitler commits suicide and lets aides (Mercury) clean up the mess this time. He can't face the total ruin he has created for Germany.

Managing Global Disarray

Winston Churchill (Nov. 30, 1874, 1:30 a.m., Woodstock, England⁵⁴), prime minister of England. When Germany invaded Poland on September 1, 1939, Churchill's *p. Mars (24 Scorpio 46) was in orb opposite p. Vesta (29 Taurus 47)*.

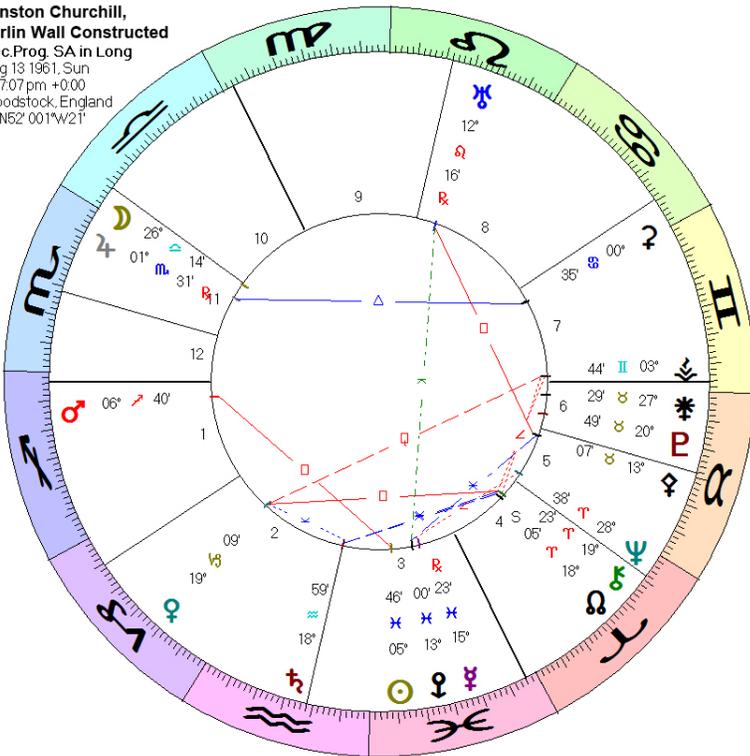
Certainly this suggests the devastation wreaked on British cities by the German *Blitzkrieg*, but the Mars-Vesta opposition did not reach exactitude until June 1952, hinting that the "disorder" that the Nazis began and about which Churchill was most concerned, was not confined to Britain. In fact, the implication is that the spread of Communism was the greater disaster that World War II inflicted on the world.

Winston Churchill,
Speech at Westminster
College
Sec.Prog. SA in Long
Mar 5 1946, Tue
8:37:07 pm +0:00
Woodstock, England
51°N52° 00'W21'



That Churchill himself intuited this threat and felt moved to challenge it, is indicated by his p. Moon (28 Pisces 57) becoming involved in the Mars-Vesta opposition, significantly trine Mars (28 Scorpio 23) when he spoke at Westminster College on March 5, 1946, warning “an Iron Curtain has descended on the Continent...”⁵⁵ (see above wheel).

**Winston Churchill,
Berlin Wall Constructed**
Sec.Prog. SA in Long
Aug 13 1961, Sun
8:37:07 pm +0:00
Woodstock, England
51°N52' 001°W21'



At the time of this now-famous and prescient speech, Churchill's p. Sun was moving to square p. Vesta, a figure that would later pass exactitude at the erection of the Berlin Wall (initial barbed wire barrier erected August 13, 1961⁵⁶), thus forming a progressed T-square with Vesta (see “Winston Churchill, p. to Berlin Wall constructed” wheel). Churchill's fears were indeed realized. He would not live to see the fall of the infamous wall in 1989, signaling the end of Communism.

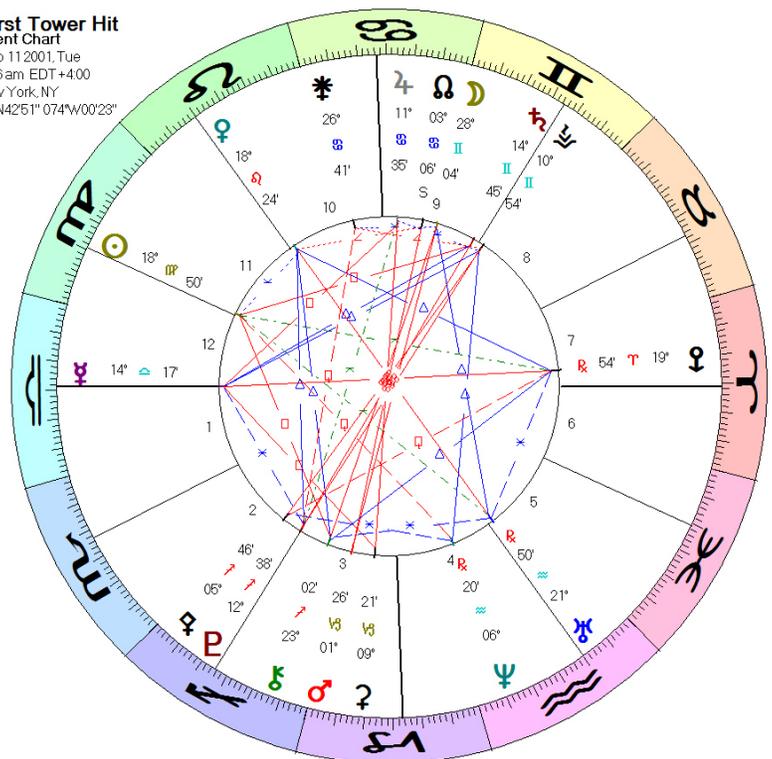
When Cleaning Up Isn't Enough

September 11, 2001, Terror Attacks (Sept. 11, 2001, first tower hit 8:46 a.m., New York, NY⁵⁷), Sun (18 Virgo 50) square Vesta (10 Gemini 54).

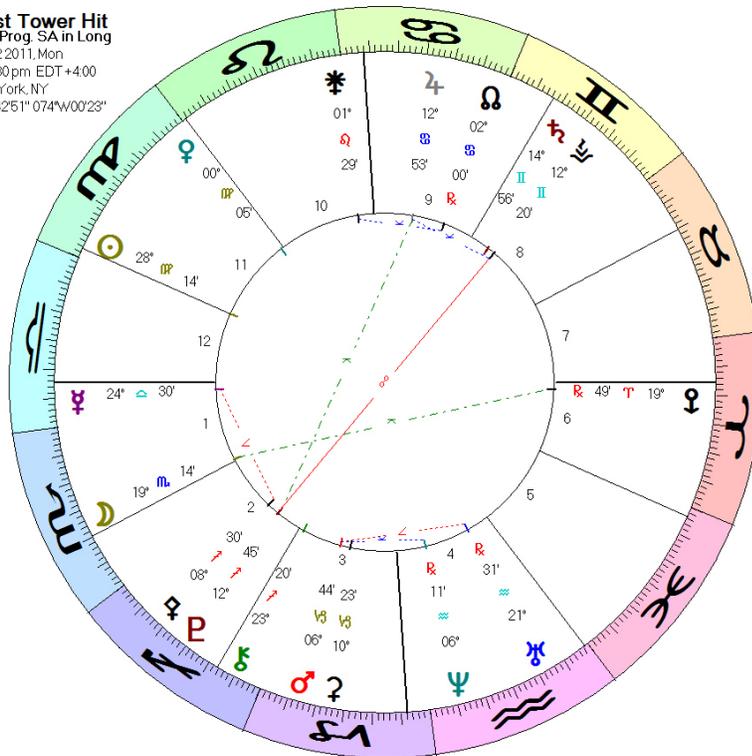
Perhaps the wide Sun/Vesta square seems a reach in our search for significance. But maybe ever-efficient Vesta wasn't attempting a culmination with the Sun, but aiming towards a more determined, powerful partner to make things right.

Restoring order for many Americans necessitated that the main perpetrator of the September 11th attacks be brought to justice. That would not happen until nearly 10 years later on May 2, 2011, when Osama Bin Laden was killed by U.S. Navy Seals in Abbottabad, Pakistan.⁵⁸

**First Tower Hit
Event Chart**
Sep 11 2001, Tue
8:46 am EDT+4:00
New York, NY
40°N42'51" 074°W00'23"



First Tower Hit
 Sec.Prog. SA in Long
 May 2 2011, Mon
 2:31:30 pm EDT+4:00
 New York, NY
 40°N42°51' 074°W00°23'



Interestingly, progressed Vesta again plays a role in such closure. Witness the chart of 9-11 itself, progressed to Bin Laden’s death, with **p. Vesta (12 Gemini 20) completing opposition with p. Pluto (12 Sagittarius 45)**. In this case, Vesta “put our house in order” at last, using Pluto’s deadly force.

To sum up, dwarf planet Vesta can indeed indicate an imminent community crisis. An examination of civic leaders of major disasters revealed numerous instances of secondary progressed Vesta forming major aspect(s) to progressed personal planets. Each official’s progressed Vesta figure persisted during the time of the intense work or involvement needed to restore order to their constituents’ daily lives. Additionally, the event charts of those disasters showed Vesta in angular

relationship to Sun and/or Mars, and the type of aspect well described the overall success or difficulty of the recovery effort. Related enterprise charts also showed progressed Vesta/Mars warnings timed to the onset of the emergency. Checking Vesta’s condition proved so worthwhile that surprising reevaluations arose about what a tumultuous event’s long-term effects actually were, or what the public needed for full closure besides resumption of basic services. Without question, Vesta indeed “works” as an invaluable predictive marker and could well serve politically-engaged astrologers or those in a position to advise government.

All URLs accessed in December 2014

- ¹ Bolen, Jean Shinoda. *Goddesses in Everywoman: A New Psychology of Women*, New York: Harper and Row, 1984, p. 111.
- ² George, Demetra. *Asteroid Goddesses*. San Diego, CA: ACS Publications, Inc., 1986, p. 130.
- ³ http://www.astro.com/astro-databank/Giuliani,_Rudy
- ⁴ <http://www.notablebiographies.com/newsmakers2/2007-Li-Pr/Nagin-Ray.html>
- ⁵ http://en.wikipedia.org/wiki/Hurricane_Katrina
- ⁶ http://www.encyclopedia.com/topic/Richard_J_Riordan.aspx
- ⁷ http://earthquake.usgs.gov/earthquakes/states/events/1994_01_17.php
- ⁸ <http://www.dailynews.com/general-news/20140116/1994-northridge-earthquake-served-as-defining-moment-for-la-then-mayor-richard-riordan>
- ⁹ http://en.wikipedia.org/wiki/Mike_Rawlings
- ¹⁰ <http://dfw.cbslocal.com/2014/11/09/dallas-reaches-end-of-ebola-monitoring-period/>
- ¹¹ <http://www.sfmuseum.org/hist1/schmitz.html>
- ¹² http://en.wikipedia.org/wiki/Frank_K._Mott
- ¹³ *Ibid.*
- ¹⁴ http://www.nga.org/cms/home/governors/past-governors-bios/page_california/col2-content/main-content-list/title_pardee_george.html
- ¹⁵ http://www.astro.com/astro-databank/Roosevelt,_Franklin_D.
- ¹⁶ <http://www.history.navy.mil/faqs/faq66-1.htm>

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- ¹⁷ http://www.astro.com/astro-databank/Carter,_Jimmy
- ¹⁸ <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/3mile-isle.html>
- ¹⁹ http://www.astro.com/astro-databank/Gandhi,_Rajiv
- ²⁰ http://news.bbc.co.uk/onthisday/hi/dates/stories/december/3/newsid_2698000/2698709.stm
- ²¹ http://en.wikipedia.org/wiki/Bhopal_disaster
- ²² http://en.wikipedia.org/wiki/Naoto_Kan
- ²³ <http://www.cnn.com/2013/07/17/world/asia/japan-earthquake---tsunami-fast-facts/>
- ²⁴ http://en.wikipedia.org/wiki/Yoshihiko_Noda
- ²⁵ *Ibid.*
- ²⁶ <http://www.britannica.com/EBchecked/topic/1761942/Japan-earthquake-and-tsunami-of-2011/299864/Northern-Japans-nuclear-emergency>
- ²⁷ <http://www.britannica.com/EBchecked/topic/1761942/Japan-earthquake-and-tsunami-of-2011/299865/Relief-and-rebuilding-efforts>
- ²⁸ http://en.wikipedia.org/wiki/Fukushima_Daiichi_Nuclear_Power_Plant
- ²⁹ Griffis, William Elliot., *The Mikado's Empire, Book I: History of Japan from 660 B.C. to 1872 A.D.* New York and London: Harper & Brothers Publishers, 1903, p. 59
- ³⁰ http://news.bbc.co.uk/onthisday/hi/dates/stories/december/3/newsid_2698000/2698709.stm
- ³¹ http://www.astro.com/astro-databank/Accident:_Chernobyl_Explosion
- ³² http://en.wikipedia.org/wiki/Hurricane_Katrina
- ³³ <http://earthquake.usgs.gov/regional/nca/1906/18april/index.php>
- ³⁴ http://earthquake.usgs.gov/earthquakes/states/events/1994_01_17.php
- ³⁵ <http://www.cnn.com/2013/07/17/world/asia/japan-earthquake---tsunami-fast-facts/>
- ³⁶ <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/3mile-isle.html>
- ³⁷ <http://www.history.com/this-day-in-history/atomic-bomb-is-dropped-on-hiroshima>
- ³⁸ http://www.atomicbombmuseum.org/4_ruins.shtml
- ³⁹ <http://www.history.com/this-day-in-history/atomic-bomb-dropped-on-nagasaki>
- ⁴⁰ <http://www.hiroshima-remembered.com/history/nagasaki/page6.html>
- ⁴¹ <http://earthquake.usgs.gov/earthquakes/eqinthenews/2010/us2010rja6/>
- ⁴² <http://www.cnn.com/2013/12/12/world/haiti-earthquake-fast-facts/>
- ⁴³ http://www.washingtonpost.com/world/clearing-earthquake-camps-in-haiti-is-not-pretty/2012/01/27/gIQAnxzNOR_story.html
- ⁴⁴ <http://www.cnn.com/id/101501573#>
- ⁴⁵ <http://www.latimes.com/world/la-fg-malaysia-air-flight-17-ukraine-facts-20140718-htmllstory.html>
- ⁴⁶ <http://www.spiegel.de/international/europe/a-trip-to-the-site-of-the-crash-of-flight-mh-17-a-983268.html>
- ⁴⁷ http://www.astro.com/astro-databank/Hitler,_Adolf
- ⁴⁸ <http://www.usshm.org/wlc/en/article.php?ModuleId=10007884>
- ⁴⁹ *Ibid.*
- ⁵⁰ <http://www.history.com/topics/world-war-ii/battle-of-stalingrad>
- ⁵¹ Craig, William, *Enemy at the Gates: The Battle for Stalingrad.* New York: Penguin Books, 1973.
- ⁵² <http://www.historyplace.com/worldwar2/riseofhitler/collapse.htm>
- ⁵³ <http://www.history.com/this-day-in-history/adolf-hitler-commits-suicide-in-his-underground-bunker>
- ⁵⁴ http://www.astro.com/astro-databank/Churchill,_Winston
- ⁵⁵ <http://history1900s.about.com/od/churchillwinston/a/Iron-Curtain.htm>
- ⁵⁶ <http://www.history.com/this-day-in-history/berlin-wall-built>
- ⁵⁷ <http://www.history.com/topics/9-11-timeline>
- ⁵⁸ <http://www.cnn.com/2013/09/09/world/death-of-osama-bin-laden-fast-facts/>