

Venus Eclipse On 8 June 2004

By Sanjay Prabhakaran

Varahamihira in his classic Brihat Samhita has given detailed description about the affect of eclipses on this world. This article is an attempt to decipher the portents of the current Solar eclipse by Venus. This article assumes that eclipse by Venus is similar to eclipses by Moon on Sun. The assumption is that all other 5 planets are just different aspects(tatwas) of prakriti Moon. Eclipses by Moon with sun are more far reaching than than eclipse by say Venus or Mercury, in the sense they are limited to only the Kaaraka's of Venus or Mercury. The Rahu and Ketu of other grahas signify only shadows of the Kaaraka of the planets. Like for example the Rahu & Ketu of Venus denotes the rise and fall in the kaaraka's of Venus. So the general readings given for Soli-Lunar eclipses can be culled just for the Kaaraka's of the Graha causing the eclipse.

➤ Astronomical Facts of current eclipse.

Previous transit pairs were in 1761 & 1769 and 1874 & 1882. They always come pairs separated by 8 years the next one will be in 2012.

Below is given in Tabular and Pictorial forms various facts about the upcoming transits. Observations and possible outcomes due to this is analyzed in the latter section.

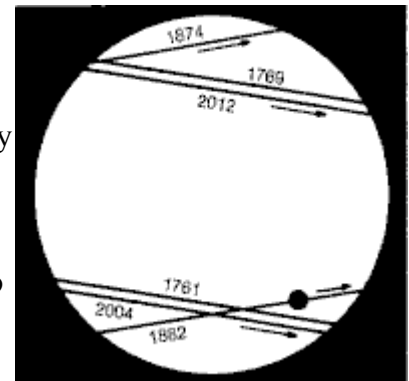


Illustration 1 Transits on Various Years

Event	Universal Time ¹	Description	EDT ² at Washington DC is UT-4hrs
Contact I	05:13:29 am	ingress begins	01:13:29 am
Contact II	05:32:55 am	ingress ends	01:32:55 am
Greatest	08:19:44 am	minimum angular distance	04:19:44 am
Contact III	11:06:33 am	egress begins	07:06:33 am
Contact IV	11:25:59 am	egress ends	07:25:59 am

Table 1 Geocentric Phases of the 2004 Transit of Venus

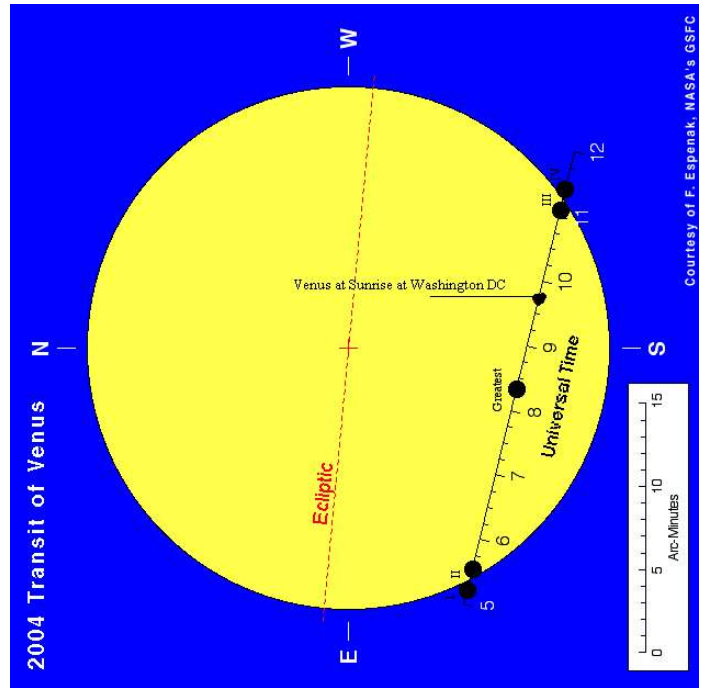
In synopsis the whole eclipse last for 06:12:30 Hrs and at sunrise in DC nearly 3/4th of the eclipse is over..

¹Universal Time or UT is the basis for the worldwide system of civil time. It is often referred to as Greenwich Mean Time although UT is actually based on atomic clock time rather than the Sun's mean motion.

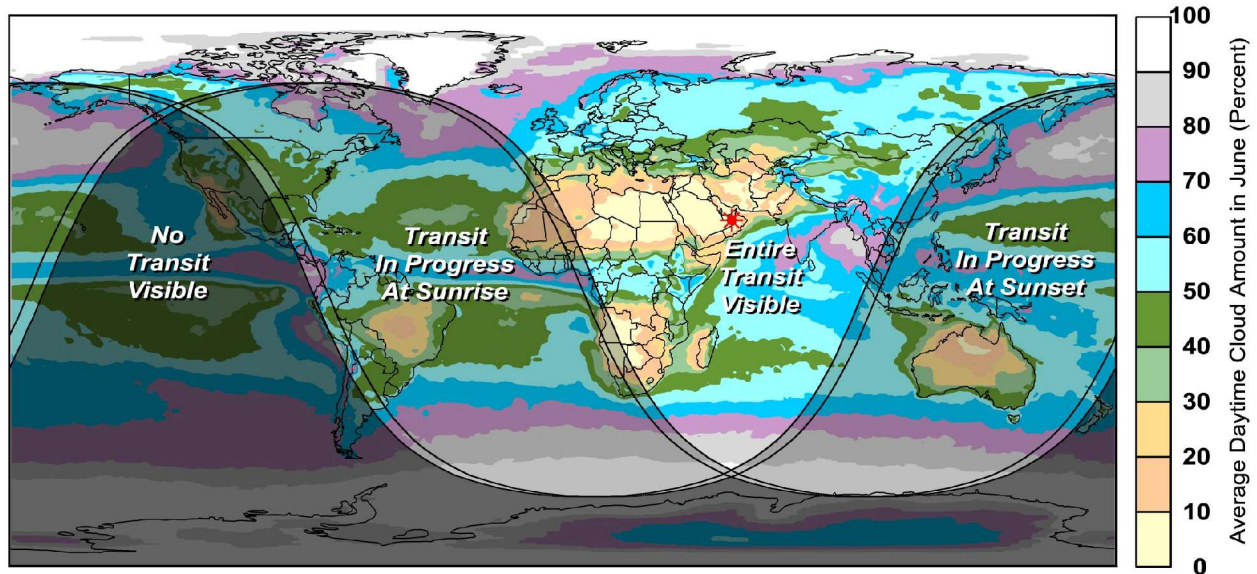
² Daylight Savings time is in effect at the time of Eclipse

**Venus Eclipse 2004 June 8
Chart for Washington DC**

Date: June 8, 2004
 Time: 4:19:44
 Time Zone: 4:00'00 (West of GMT)
 Place: 77 W 00' 02", 38 N 53' 20"
 Capitol Hill (subdivision), District of Columbia, USA
 Altitude: 87.00 meters
 Lunar Yr-Mo: Tarana - Jyeshtha
 Tithi: Krishna Shashthi (Ve) (5.26% left)
 Vedic Weekday: Monday (Mo)
 Nakshatra: Dhanishtha (Ma) (10.01% left)
 Yoga: Vaidhriti (Ju)
 Karana: Vanija (Ve)
 Hora Lord: Saturn (5 min sign: Le)
 Mahakala Hora: Moon (5 min sign: Vi)
 Kaala Lord: Mars (Mahakala: Sun)
 Sunrise: 5:44:22 (June 7)
 Sunset: 20:30:26 (June 7)
 Janma Ghatis: 56.4738
 Ayanamsa: 23-54-57.26
 Sidereal Time: 20:19:57



**Illustration 2 Overhead Diagram of 2004 Transit of Venus
(West part of The Sun Rises first)**



<http://sunearth.gsfc.nasa.gov/eclipse/transit/TV2004.html>

F. Espenak (NASA's GSFC) and J. Anderson (Environment Canada)

Illustration 3 Eclipse Visibility in Various part of the world

Event	Universal Time	Description	Washington DC- 4:00	India +5:30	Iraq+4:00	Afghanistan
Contact I	05:13:29 am	Ingress begins	01:13:29 am	10:43:29 am	09:13:29 am	09:43:29 am
Contact II	05:32:55 am	Ingress ends	01:32:55 am	11:02:55 am	09:32:55 am	10:02:55 am
Greatest	08:19:44 am	minimum angular distance	04:19:44 am	01:49:44 pm	12:19:44 pm	12:49:44 pm
Contact III	11:06:33 am	Egress begins	07:06:33 am	04:36:33 pm	03:06:33 pm	03:36:33 pm
Contact IV	11:25:59 am	Egress ends	07:25:59 am	04:55:59 pm	03:25:59 pm	03:55:59 pm
Sunrise			05:46:31 am	05:25:59 am	05:56:01 am	04:43:49 am
SunSet			08:28:28 pm	07:14:48 pm	08:07:24 pm	07:01:12 pm
		End 1 st Part of the Day	07:52:30.57	07:52:30.57	07:52:30.57	07:52:30.57
		End 2 nd Part of the Day	09:58:30.14	09:58:30.14	09:58:30.14	09:58:30.14
		End 3 rd Part of the Day	12:04:29.71	12:04:29.71	12:04:29.71	12:04:29.71
		End 4 th Part of the Day	14:10:29.29	14:10:29.29	14:10:29.29	14:10:29.29
		End 5 th Part of the Day	16:16:28.86	16:16:28.86	16:16:28.86	16:16:28.86
		End 6 th Part of the Day	18:22:28.43	18:22:28.43	18:22:28.43	18:22:28.43
		End 7 th Part of the Day	08:28:28 pm	08:28:28 pm	08:28:28 pm	08:28:28 pm

Illustration 4 Ingress Time on Some Countries

➤ Quotes from Brihat Samhita

Should the luminaries rise or set being eclipsed, there would be danger to autumnal crops as well as to kings. On the other hand, if the eclipse should also be total and the eclipsed orb be aspected by malefics as well, there would be famine and pestilence all over the country.[5.27]

Br. Sm. 5.31 Suggests dividing the day into 7 parts and finding the part of the day where the eclipse occurs.

For Various parts the destructive results should be deduced. The part of the Sun can also be divided into 5 Parts each indicating results for a type of community or social class.

- (1) Artisans, The Sudras, Mlecchas and ministers
- (2) The King, the middle country (but the prices of grains would be fair)
- (3) Animals that live on Grass, ministers, inmates of harems and vaishyas
- (4) Women, sudras
- (5) Robbers and those living in the borders of countries.

Observation.

From various properties of the eclipse the Place, the time, people, material affected can be deduced.

1. Taurus Rasi is sign of eclipse.
2. Mrigashira is naxatra of eclipse.
3. Sun is in Uttaraayana
4. Mercury is conjoined.
5. Venus is going southward i.e Ketu of Venus is conjoined.
6. Venus is causing shadow in the southern orb of the sun.

So the Venusian Kaaraka's indicated by the above will be destroyed. The community that will be affected most will depend on the portion of the day the eclipse is visible. Ketu of Venus indicates spirituality as it leads to reduction in moha. So a spiritual era could be beginning.

The Eclipse is occurring in the southern part of the sun's orb. Hence the overall results should be deduced to be good for the world after some troubles. But Some floods could be expected.(Ref: Br. Sam).

The Venus is transitting in the Mrigashira Nakshatra at the time of eclipse. As per Parasara it falls in the 2nd Avenue for Venus called Gaja Veethi. And will affect Vahli, Mahisha and Vanga countries.

Mercury is conjoined eclipse Indicating a betterment of Communication industry and a Big development in the same.

Eclipse happens in Taurus so Materials ruled by Taurus like Village produces and food grains will take a setback.

Conclusions for various parts of the world.

USA : For USA it happens in the first part of the day. So people who live by fire will face a lot of trouble, Hence military will face a lot of trouble. Education Institutes may also face problems. Also danger to leader of the nation is possible.

India, Afghanistan, Iraq: There may be change in Government.

➤ **Venus Eclipse on 1882**

Date: December 6, 1882

Lunar Yr-Mo: Chitrabhanu – Karthika

Tithi: Krishna Dwadasi (Me) (38.88% left)

Vedic Weekday: Wednesday (Me)

Nakshatra: Swaati (Ra) (59.34% left)

Yoga: Sobhana (Su)

Karana: Taitula (Me)

Hora Lord: Mercury (5 min sign: Ta)

Mahakala Hora: Saturn (5 min sign: Pi)

Kaala Lord: Sun (Mahakala: Jupiter)

Ayanamsa: 22-13-33.84

➤ **Places mentioned in Br. Sam.**

Vahli

Name of a country Balkh. Balkh Bactra (classical name), **Balkh Province, Afghanistan**

Mahisha

A place in shaalmalidveepa. [the Seemul or silk-cotton³ tree (Bombax Heptaphyllum or Salmalia Malabarica)(a lofty and thorny tree with red flowers its thorns are supposed to be used for torture in one of the hells or it may stand for the of that hell) one of the 7 Dvīpas or great divisions of the known continent (so called from the above tree said to grow there it is surrounded by the sea of ghee or clarified butter)]

Vanga

Bengal proper or the eastern parts of the modern province (pl. its inhabitants) of a king of the lunar race (son of DiIrgha-tamas or DiIrgha-tapas and Su-deshn2a1 regarded as the common ancestor of the people Bengal) Mbh. Hariv. Pur.

³ China is current largest producer of cotton, followed by USA and then India

➤ **Important events after Dec 6 1882**

1882 Thomas Edison manufactured electricity generators that fetched \$33,000 in 1994 as a collector's antique. (WSJ, 12/9/94, p.R-8) 1882 Edison Electric installed a power grid in Manhattan that wrecked telephone reception. (SFEM, 1/11/98, p.13)

1882 In London euphoric investors pushed up the stock prices of the first companies to issue shares for companies with new patents for equipment to power electric lights. (WSJ, 1/7/98, p.B1)

1882 The British Parliament passed the Electric Lights Act to regulate electric utilities. (WSJ, 1/7/98, p.B1)

Jan 13, Fire in circus Ferroni in Berditschoft, Poland, killed 430.

March 24, 1883 1st telephone call between NY & Chicago

Mar 24, Long-distance telephone service was inaugurated between Chicago and New York. [see Mar 27, 1884] 1883 Jun 2, The first baseball game under electric lights was played in Fort Wayne, Indiana.

1883 Aug 29, Seismic sea waves, created by Krakatoa eruption, created a rise in the English Channel 32 hrs after explosion.

July 28, 1883 Shocks triggered by volcano Epomeo (Isle of Ischia, Italy) destroyed 1,200 houses at Casamicciola killing 2,000

August 1, 1883 Inland postal service begins in Great Britain

August 28, 1883 Slavery banned throughout British Empire

November 3, 1883 US Supreme Court decides Native Americans can't be Americans

April 12, 1883 French troops under Lt-colonel Borgnis-Desbordes occupy Bamako Senegal

August 26, 1883 Krakatoa erupts with increasingly large explosions kills 36,000

August 27, 1883 Krakatoa, west of Java, explodes with a force of 1,300 megatons

August 28, 1883 Slavery banned throughout British Empire

August 29, 1883 Seismic sea waves created by Krakatoa eruption create a rise in English Channel 32 hrs after explosion

➤ **1761 Transit (This one is similar to the 2004)**

January 4, 1762 England declares war on Spain & Naples

January 15, 1762 Fraunces Tavern opens in NYC

February 2, 1762 Thomas Arnes opera "Artaxerxes," premieres in London

February 12, 1762 English fleet occupies Martinique

March 17, 1762 1st St Patrick's Day parade in NYC

April 5, 1762 British take Grenada, West Indies, from French

April 24, 1762 Russia & Prussia signs peace treaty

May 5, 1762 Russia & Prussia sign peace treaty

May 22, 1762 Sweden & Prussia sign peace treaty

June 15, 1762 Austria uses 1st paper currency

June 28, 1762 1st reported counterfeiting attempt (Boston)

June 28, 1762 Russian tsarina Catharina II grabs power

June 29, 1762 Russian Czar Peter III divorces his wife Catharina II

July 10, 1762 Roubiliacs monument for Händel unveiled at Westminster Abbey

August 14, 1762 English fleet occupies Havana

August 22, 1762 1st female (Ann Franklin) US newspaper editor, Newport RI, Mercury

October 5, 1762 Opera "Orfeo Ed Euridice" is produced (Vienna)

October 6, 1762 English troops occupy Manila Philippines

November 3, 1762 England & Spain signs Treaty of Paris

November 3, 1762 Spain acquires Louisiana

➤ **References:**

Brihat Samhita of Varahamihira Translated by Ramakrishna Bhatt.

[Http://www.sao.ac.za/~wpk/tov1882/tovwell.html](http://www.sao.ac.za/~wpk/tov1882/tovwell.html)

<http://sunearth.gsfc.nasa.gov/eclipse/transit/TV2004.html>

http://sunearth.gsfc.nasa.gov/sunearthday/2004/index_vthome.htm