

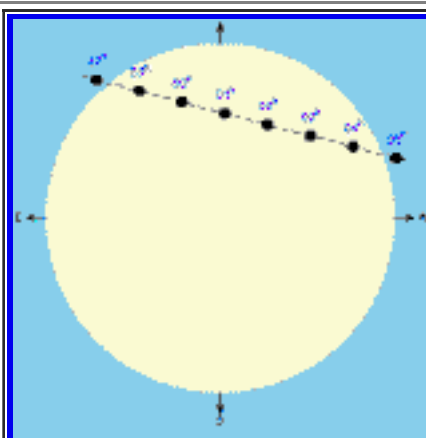


Transit of Venus

[Next: June 5-6, 2012](#)



On June 8, 2004, observers around [much of the world saw Venus](#) drift across the face of the sun as Venus passed between the sun and earth. What a sight it was! The next transit of Venus occurs in [June 2012](#). You don't want to miss it.

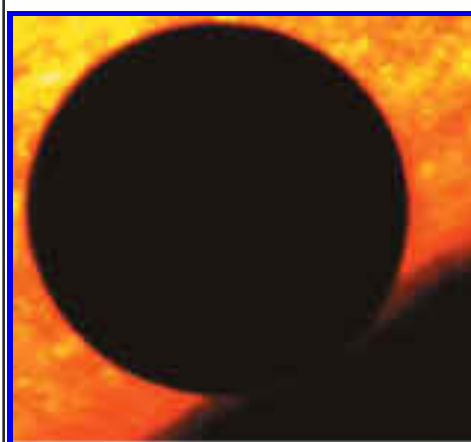


Prepare for 2012

Get path details, contact times, and global weather prospects for the June 5-6, 2012

transit of Venus. See [2012.htm](#).

(Credit: HM Nautical Almanac Office)



Images of the 2004 Transit

View images and movies from around the world of the 2004 transit and of people witnessing the spectacle. Oh, yeah! See [images.htm](#).

(Credit: Dutch Open Telescope)



Learn More

View a collection of activities, lesson plans, videos, simulations and online resources that explain the transit of Venus and its significance. See [educ.htm](#).

Quick Tip...



Keep your *Eclipse Shades* or protective eyewear in a safe place to use when major sunspots emerge. You never know when our nearby star will become active, allowing you to [view safely](#) the dynamic sun. For daily solar weather reports, see <http://www.spaceweather.com>.

Images from the Transit of Venus celebration in Mishawaka, Indiana, USA, are at [june8.htm](#).

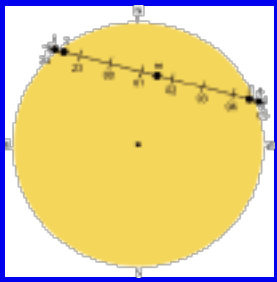


A transit of Venus is so rare that, up to June 8, 2004, no human then alive had witnessed this celestial event. Simple as transits may seem, they are instrumental in defining our place in the cosmos. [Historically](#), global expeditions timed transits of Venus to quantify the size of the solar system. In the modern era, astronomers use [spacecraft](#) and other techniques to seek earth-class planets transiting distant stars. Then next transit of Venus is [June 5-6, 2012](#).

["Transit of Venus dot org"](#) will guide you to instructions for safe viewing; interactive education and hands-on activities; global observing programs for students; background information and tutorials; insights into

historical endeavors and the adventures of explorers; the role of spacecraft and the search for extra-solar planets; and miscellaneous items relating to the transit of Venus.

Google's [Zeitgeist](#) feature rated the Transit of Venus as the
#1 Most Popular Event of June 2004.

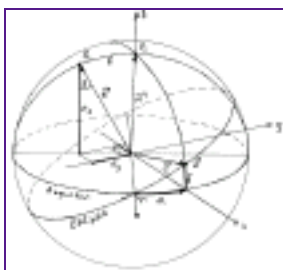


	 CLICK BELOW...	 TO FIND THIS...
	June 5-6, 2012 Transit of Venus	<p>Get ready to see the June 5-6, 2012, transit of Venus!</p> <ul style="list-style-type: none"> • where the transit will be seen • starting and ending times • the path of Venus across the sun's disk • global maps • local circumstances
	2006 Transit of Mercury	<p>View details and images of the Transit of Mercury that occurred November 8, 2006.</p>
	Safety!	<p><i>"Do not look at the sun without proper eye protection."</i> While that warning is seemingly obvious, what does it mean to the person who still wants to witness the transit of Venus? Suggested viewing techniques help you to enjoy the sight without losing yours. Observers are still responsible for their own eye safety.</p>
	Education Resources	<ul style="list-style-type: none"> • <i>Transit of Venus</i> Program on DVD and CD • hands-on activities and lesson plans • interactive programs, animations, simulations and Applets • publications, workshops, conferences • NASA Sun-Earth Connection Education Forum
		<ul style="list-style-type: none"> • Extensive bibliography • Summaries of global expeditions • Original prints, maps, drawings, photographs • Popular accounts, newspaper headlines and excerpts • 1769 Transit of Venus- incl. Jeremiah Horrocks, St. Michael Church



[Historical Observations And Global Expeditions](#)

- in Hoole
- 1761 & 1769 Transits of Venus-
incl. Le Gentil, Father Hell, Mason & Dixon,
Captain James Cook
- 1874 & 1882 Transits of Venus-
global expeditions and international
perspectives
- Original US Naval Observatory expedition
photographs
- Photographic techniques introduced
- Women observers
- Archival records and historic documents



[Science and Math of Transits](#)

- Measuring the distance to the sun
- The infamous "black drop" effect
- The irregular period of transits
- Advanced amateur program to find extra-solar
planets
- Background on the planet Venus



[Spacecraft and the Search for Extra-Solar Planets](#)

- *Kepler* spacecraft-
incl. mission overview, images, animations,
models, FAQ
- *SOHO* spacecraft
incl. images of sun in multiple wavelengths,
resources, *Sun as Art*
- *TRACE* spacecraft
- Transit of Mercury images
- Searching for extra-solar planets via transits
- SETI and the "wink" method



[SITE MAP](#)

For an expanded version of the many subjects contained on this website, see our full-length site map. Highlights include:

- Observing projects
- Black drop effect
- Kids Stuff
- Shop of transit of Venus souvenirs
- Music related to the transit of Venus
- US Naval Observatory historic photographs
- The PHM Planetarium & Air/Space Museum in Mishawaka, IN
- Oodles more

INTERNAL LINKS:

[2012 June 5-6](#) [Activities](#) [Art Exhibit](#) [Award](#) [Black Drop Effect](#) [Cicadas](#) [Collection](#) [Education](#)
[Frequently Asked Questions \(FAQ\)](#) [Flyer](#) [Gallery](#) [Great Lakes Planetarium Association \(GLPA\)](#)

[Historical Observations and Global Expeditions](#)
[Home Page](#)
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[Issues](#)
[Illustrated London News](#)
[INSAP V](#)
[June 8](#)
[Kid Stuff](#)
[Lighting Issues](#)
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[Mercury Transit \(2006\)](#)
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[Non-English](#)
[Observing the 2004](#)
[Transit](#)
[Paine, Thomas](#)
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[Quotes](#)
[Road Trip](#)
[Research Opportunity](#)
[Round](#)
[Rumley, Matt](#)
[Safety!](#)
[Sarah,](#)
[age 6](#)
[Science and Math](#)
[Shop](#)
[Sousa, John Philip](#)
[Spacecraft and the Search for Extra-Solar](#)
[Planets](#)
[Things Round](#)
[Toyota TAPESTRY Grant](#)
[Travel and Tours](#)
["Must See TV \(Transit of Venus\)"](#)
[Screen](#)
[U.S. Naval Observatory](#)
[What's New?](#)



<http://analyzer.depaul.edu/paperplate/Transit%20of%20Venus/Internet%20caveat.htm>

Caveat about believing everything you see on the Internet (including here).



phm/index.htm

The [PHM Planetarium & Air/Space Museum](#) in Mishawaka, Indiana, actively supports transit of Venus programming.



THE UNIVERSE
 YOURS TO DISCOVER
 INTERNATIONAL YEAR OF
 ASTRONOMY
 2009

www.astronomy2009.us Six major themes support the U.S. goal for the International Year of Astronomy in 2009: “To offer an engaging astronomy experience to every person in the country, and build new partnerships to sustain public interest.”

www.myspace.com/2009yearofastronomy MySpace page supports the International Year of Astronomy in 2009.

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