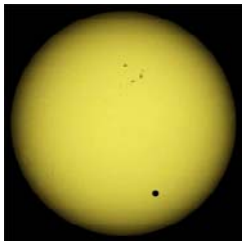

Links for the transit of Venus:

www.venustransit.de

Gives an easy to understand overview about the phenomenon, without explaining all details. Under each of the following headlines you can find a short info:

What is a Venus transit?

Short explanation of the conditions for a Venus transit and its frequency

What can be seen?

Description of the duration of the transit, security instructions for the observation (protective goggles). Explanation of the astronomical relevance to know the distance earth ⇔ sun, and some reasons why the first observers "failed" ("black drops")

When and where a Venus transit can be seen?

Tips for a suitable location and time for the observation, visibility, atmospheric conditions and limited lifetime (next transit after 2012 in 120 years!)

www.astronomische-reisen.de/venustransit.htm

Contains the same infobox as „www.venustransit.de", plus the dates of all transits from the year 1500 up to 2500 (day, month, year) and a comprehensive linklist.

www.astronomie.info

The menu „Finsternisse/Venustransit“ offers although a short description of the transit

- **What can be seen from Germany, Austria and Switzerland?**
  - Detailed description of the observable phenomenon (from the 1st to 4th contact)
  - Tips for a better observation (Protuberanzfilter H-Alpha)

Drop-effect around 2nd contact. Simulation by R. Brodbeck

Sun as seen thru a protuberanz filter

  - Times and positions of the sun as seen from Berlin + link to CalSKY for the calculation of these data for different places.

- **More information about 21st century´s transits.**
  - Data of the 1st, 2nd, 3rd, 4th contact and the climax of the next 2 transits
  - Transits from 1 – 3000 P.C. can be calculated (deviation compared with JPL 3-4 sec.)
- Meanwhile, the site has been widely concreted: www.astroinfo.info/projectvenus

- **How to calculate the distance to Venus and to the sun from the duration of the transit - including a discussion of the fault.**
  - very detailed description of the theory, including hints to the historic development.
  - Example calculation of the distance Venus ⇔ Earth for though observers on north and south pole and transparent Earth (data calculated by CalSKY, incl. a discussion of the fault)
  - A calculation for any observer location shall come soon

www.venus-transit.de/TransitObserver/

Contains a Java applet for the graphical simulation of the positions of sun and Venus as seen from certain places (and at certain times).

http://www.uni-hohenheim.de/~gdietze/astro/beobachtung/venusdurchgang.html

Example for the calculation of the distance earth <=> sun, by means of the transit of Venus. Description of the theory.

http://www.astronomie.at/burgenland/archiv/schatten/start.htm

Script about eclipses und coverings general, many tips for the observation and the measuring of the transit duration.
Can although be downloaded as PDF file.

http://www.users.zetnet.co.uk/pete/Venustransit.htm

English info site „Pete´s Pages“ very short information, data, tips for observation