

**DENVER MUSEUM OF NATURE AND SCIENCE
VENUS WINDS PROJECT
MEETING AGENDA**

Date/Time/Location 20 August 2015, 6:00 PM Exploration Studio 102

AGENDA ITEMS CARRIED FORWARD

Wind velocities for analysis of July 4-13, 2004 data Mark

The next step is analyzing 10 consecutive pairs of images in the series 4 July 2004 through 13 July 2004. Those steps, described in detail via e-mail from Mark to analysts on Friday, 7 August 2015, were presented as a PowerPoint .pdf file and a compressed .zip file of 10 images. The task is to center each image and to send those ten images to Mark who will then convert each image using a cylindrical projection into a rectangular image.

Wind velocities for 10 nights in July 2004 Mark

After Mark has distributed projected rectangular images for the nights of July 4-13, 2004, we will determine velocities for each pair.

NEW AGENDA ITEMS SINCE LAST MEETING

Basic planetary meteorology of Venus Mark

Mark will explain what drives Venus' winds and how our work will fill in some of the gaps in our knowledge of Venus meteorology.

Why we use rectangular images Mark

Mark will discuss the advantages of using rectangular images rather than raw images to determine wind speed.

Relative apparent tilt of Venus Mark

At any given time interval, Venus presents changing angles of its polar axis relative to Earth's celestial coordinate system. We will look at some images to show this.