

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

Date/Time/Location 19 July 2016, 6:00 PM

Exploration Studio 102

**AGENDA ITEMS CARRIED FORWARD**

**Image Processing Results**–All

We will show new results on image-centering efforts, for those who have some, and then summarize where we are with respect to getting wind velocities as a function of latitude for 11 nights

**Reading Assignment** – Mark

Mark will go over some of the most important points in *The New Solar System* chapter that relate to our project. Bring questions, as this chapter discussed the basic physics of planetary atmospheres.

**Akatsuki Update** – Mark

Current mission plans were to have new images available to the science team by the end of July. Some fraction of these may be available to us to take a look at. Mark will update everyone on the health and status of the Akatsuki spacecraft mission.

**NEW AGENDA ITEMS SINCE LAST MEETING**

**Google Groups** – Mark, Dave

Mark will show what he has uploaded to the new Google Groups page that Dave set up for the project. Dave will then take us through a few ways we can use this tool to communicate and share results.

**Image Defect Removal** – Mark

Mark will go over a suggested process for cleaning up the images. This involves using Photoshop or GIMP to remove the largest blemishes by hand, and then running the image through a bad-pixel removal program.

**Imaging Geometry and Venus Geographical Coordinates** – Mark

Mark will demonstrate the use of a new tool from JPL called *Cosmographia*. It encodes the properties of all natural and most robotic objects in the solar system, and allows the user to visualize their observations in three dimensions. For a peek at *Cosmographia*, take a look at: <https://naif.jpl.nasa.gov/naif/cosmographia.html>

And if you are feeling brave, try downloading and running it!