

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

Date/Time/Location 5 July 2016, 6:00 PM Exploration Studio 106

AGENDA ITEMS CARRIED FORWARD

Image Processing Results–All

We will show new results on image-centering efforts, for those that 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 are to have new images available to the science team by the end of June. 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!