

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

Date/Time/Location 12 March 2015, 6:00 PM Exploration Studio 106

AGENDA ITEMS CARRIED FORWARD

Sub-group *Slit Removal* (Proposer: Dylan)

Dylan and Mark discussed potential algorithms to automate slit removal from the images. Dylan will build upon existing program code.

Sub-group *Improved Online Tools* (Proposer: Ricardo)

Ricardo and an associate have been improving the coordinate recording tool that Ricardo demonstrated at an earlier meeting (November 6). The tool is available for testing at <http://venuswindsproject.org/>. Report your experience and any problems to Ricardo. Ricardo also suggested an improved method of rapidly examining a series of images for a specific dataset.

Sub-group *Automated Co-Registration* (Proposer: Dave)

Dave has been researching available applications employing auto-correlation algorithms that would be employed in automated co-registration of images. He is planning to continue this research.

Assignment: Co-Register Images All Researchers

Your assignment was to center each of your 9 images from Dec 14, 2010 in a 512 x 512 image. Then bring these 9 processed images with you or email to Art before the meeting. We will project individual researcher's results and discuss how the co-registration exercise is going.

NEW AGENDA ITEMS SINCE LAST MEETING

Image Co-Registration: Mark

Mark will go through the process of centering each of 9 images from Dec. 14, 2010 using GIMP.

Wind Velocity Measurements: Mark

Per Yvonne and Ashley's suggestion, we will collectively select 9 points on the July 12, 2004 images. This consensus-derived method should yield points that are easier to follow. The new points will be the basis for a new exercise determining velocities with pre-defined points.

Accessing Raw Data Files: Mark

Mark will discuss obtaining access to all Venus data files from the Project Web page.