

DENVER MUSEUM OF NATURE AND SCIENCE
VENUS WINDS PROJECT
MINUTES OF MEETING

Date/Time/Location: 26 March 2015 6:00 PM Expedition Health 201

ATTENDING

Boudreau	Bullock	Crowl	Doubek	Farrell	Gehring
Heil	Krider	Lindsay	Logan	McGouldrick	Mott
Parziale	Royer	Stewart	Tarr	Viera	Zimmerle

Guests: None

The meeting opened at 6:00 PM at. Those **attending** are listed above.

OLD BUSINESS

The following tasks were carried forward due to the absence of the Proposers.

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 BUSINESS

Wind Velocity Measurements: Mark

Mark discussed an instructive new way to choose points for wind velocity determination. The analysts present proposed a number of possibilities in 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. Art will send the images with points

plotted and a new spreadsheet. Several of the points discussed at the meeting will be included in that set.

Accessing Raw Data Files: Mark

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

The next meeting will be three weeks from now (April 16). The location will be announced at a later time.

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator