

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

Date/Time/Location 10 May 2016, 6:00 PM Exploration Studio 102

AGENDA ITEMS CARRIED FORWARD

Assignment Results – All

Everyone now has an assignment and thumb drive to copy results to. You can copy your 16 raw images to your own folder (Selected Images). If you have removed the spectrometer slit from the raw images, store these results in the ‘Slit Removed’ folder. If you’ve been able to center your images, store them in the ‘Centered Images’ folder. We will take a look at all new results from volunteers.

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 – Kevin

Another meeting in Japan between the NASA *Akatsuki* Participating Scientists and the Japanese science team will be held May 30-31. Kevin will begin his in-residence post at that time, returning sometime in the fall. He will probably be able to keep us up-to-date as his office will be where the *Akatsuki* action is happening!

Science on a Sphere – Michael and Connor

Michael and Connor will display a few variations of cloud opacity over the Magellan global mosaic, in order for us to assess the best opacity to display clouds on Science on a Sphere. Also, they may be able to show us Marta’s recent movie clip of the Dec 18, 2010 images.

NEW AGENDA ITEMS SINCE LAST MEETING

Removing bad pixels – Mark

Most astronomical images have defects – scratches, dust, or cosmic rays that passed through the detector chip during the exposure. Mark will go over two different techniques for automatically removing these cosmetic defects on PCs and Macs.

Image Centering – Mark

Mark will demonstrate how saving the (x,y) offset of each image when it is centered will be useful for future image processing.

Image Processing Flow Diagram – Mark and Art

Mark and Art will go over the latest version of our process flow diagram, including embedded links to preliminary documentation and results.