

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

Date/Time/Location 22 October 2015, 6:00 PM Exploration Studio 102

**AGENDA ITEMS CARRIED FORWARD**

**Wind velocities for analysis of July 4-13, 2004 data** Mark

Mark will show corrected cylindrical transformations for all centered images that have been produced by volunteers. Tracking points on cylindrical images will be compared with tracking the same points on raw images. The cylindrically transformed images will be distributed, along with a spreadsheet, for tracking points and calculating velocities for the July 4-13, 2004 images.

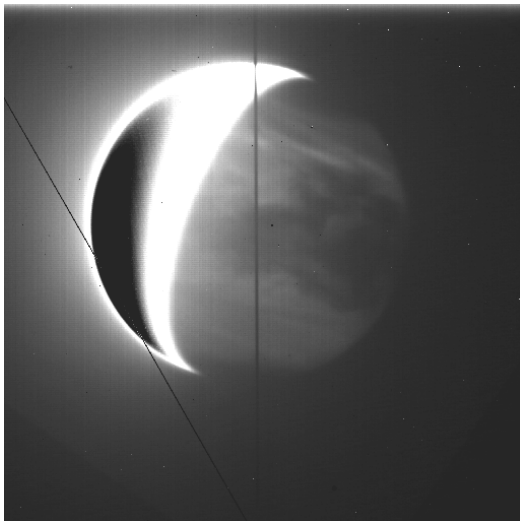
**NEW AGENDA ITEMS SINCE LAST MEETING**

**Image stacking** Mark

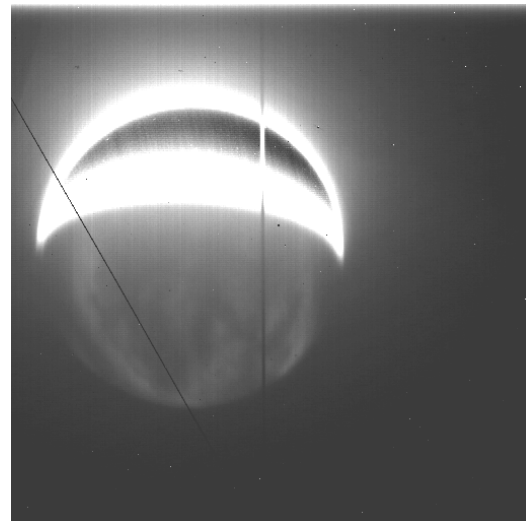
Mark will demonstrate the technique of image stacking to improve contrast and signal-to-noise of the images.

**Venus Images from Sept. 25-29, 2015** Mark

Mark was granted five mornings on NASA's Infrared Telescope Facility to observe Venus. He used the same telescope used to acquire past images, with an upgraded camera and spectrometer. He showed the new data from Sep 25-29, 2015 at the last meeting. Mark will show movies of the raw images from the September 2015 observing run. We will assign each volunteer one night from this set to produce set of 10 stacked images for improved contrast.



September 25, 2015



September 29, 2015

### **Astrogeography of Pluto and Charon** Art

More images have been published by the New Horizons Mission team of the Pluto/Charon dwarf planet system. A new Powerpoint presentation, **Astrogeography.pptx**, replaces **Physiography#3.pptx** of Pluto and Charon. It has been expanded to include a summary of results of analyses of Pluto's atmosphere. The new PowerPoint file should be available from the Venus Winds website in a few days.