

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

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

ATTENDING

Art	Ashley	Christian	Cristy	Dave	Drew	Dylan
Elizabeth	Emilie John	Kevin	Mark	Marta	Michael D.	Michael L.
Rachel	Terran	Yvonne				

Guests: None

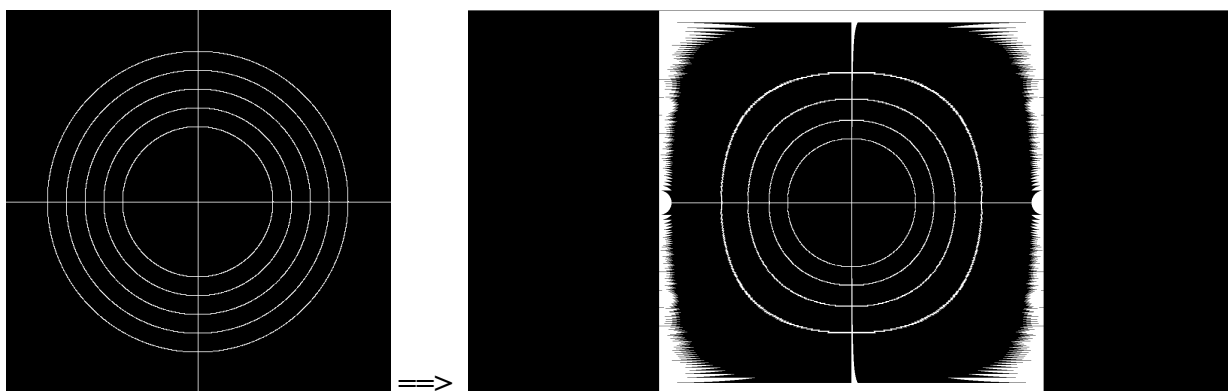
The meeting opened at 6:00 PM in Exploration Studio 102. Those **attending** are listed above.

OLD BUSINESS

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

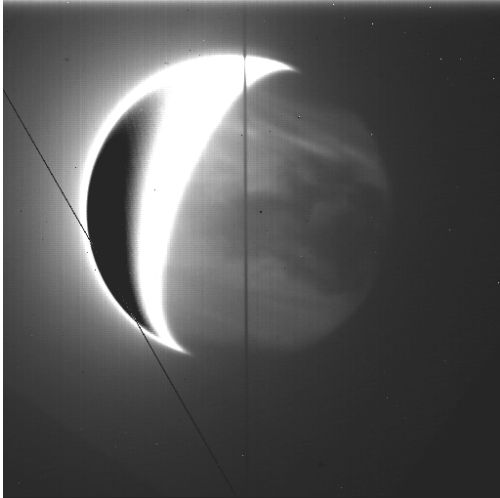
The current assignment uses ten high-quality images from the data series July 4-13 2004.

Mark showed a corrected cylindrical transformation for a test image. The problem was that the diameter given in the ephemeris is slightly smaller than what is observed. The disk of Venus is slightly inflated by the seeing, and the diameter must be known very precisely for the cylindrical transformation. The solution was to first add 0.4" to Venus' diameter, and then try different diameters around that value by trial and error.

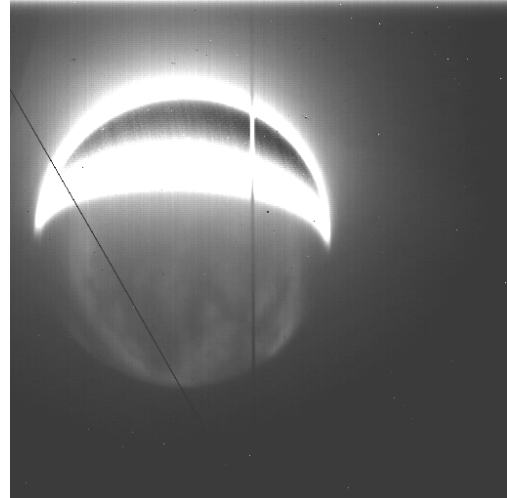


Venus Images from Sept. 25-29, 2015 Mark

Mark showed the new data from Sep 25-29, 2015 at the last meeting. At this meeting, Mark showed movies of the raw images from the September 2015 observing run. Only two of the five nights were of acceptable quality for analysis.



September 25, 2015



September 29, 2015

NEW BUSINESS

Image stacking Mark

Mark discussed the technique of image stacking to improve contrast and signal-to-noise of the images. Image stacking for improved contrast will be required for the September 25-29, 2015 series. We will assign to each volunteer one night from this set to produce a set of 10 images, each of which will be the result of stacking.

The next meeting on November 5 will be in Exploration Studio 102 at 6 PM.

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator