

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

Date/Time/Location 9 October 2014, 6:00 PM Exploration Studio 106

**AGENDA ITEMS CARRIED FORWARD**

**New Venus Winds researcher recruitment from current DMNS volunteers** Art  
Summary of the researcher recruitment that has closed.

**Workshops and Web page initiatives** Mark, Art  
Discussion of possible workshops (e.g., *Image Registration; Other Digital Imaging Processing Steps; Categorization of Image Quality; Characterization of Clouds and Gaps; Co-registration; and Velocity Determination*).

**NEW AGENDA ITEMS SINCE LAST MEETING**

**Your results and experience** All researchers  
Mark released nine images from the 20040712 dataset. Researchers were to choose the same nine tracking points on each image and record their coordinates on a spreadsheet. If possible, velocity components  $U(x)$  and  $V(y)$  should be computed. Report your experience, whether successful or not!

**Mathematics of spherical coordinates into rectangular coordinates** Mark, Art  
Converting the image of a distant spherical body into one that displays useful properties of the body is an important technique in mapmaking. There are several classical cartographic projections which are used in this Project. These are the Oblique Orthographic and Cylindrical projections and they will be explained.

**Wind velocity computations for 12 July 2004 images** Mark  
Mark will introduce a new Excel workbook for the velocity computations from 12 July 2004 with more than two images. This workbook design allows for up to nine images.