

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

Date/Time/Location 23 Oct 2014, 6:00 PM Exploration Studio 106

**AGENDA ITEMS CARRIED FORWARD**

**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.

**New velocity measurement exercise: 14 Dec 2010** Mark

Mark announced that he will send out nine images from 14 Dec 2010 and a new spreadsheet for recording the movement of nine points. He showed a number of frames from the series, many of which were of excellent quality.

**NEW AGENDA ITEMS SINCE LAST MEETING**

**Solar Eclipse Viewing** Mark

Mark will set up his 8" telescope with solar filter for viewing the partial solar eclipse on 23 October, 2014. This will be on a west-wing patio, with signs pointing you to the exact location. Viewing will begin at 3:30 PM, with maximum eclipse (40%) at 4:35 PM.

**Anomalies in cloud motion in the July 12, 2004 images** Art

One or two points in the July 12, 2004 images seem to not fit the pattern of higher wind speeds at the Equator. Art will discuss his observations on this subject.

**Image processing steps** Mark

We will go through several of the image processing steps that are necessary for conditioning the images before using them for calculating wind speeds.

**Individual sub-group tasks** Mark

Mark will discuss some image processing steps, with a view to creating small sub-groups of 1-4 people to tackle specific tasks. Any sub-group that is formed will then take on a task and present its progress at the next meeting on November 6.

**New method of recording x,y coordinates** Ricardo

Ricardo has demonstrated a new method of recording x,y coordinate pairs. This method allows for coordinate capture directly to a spreadsheet without the need for manual entry, removing one source of possible error.