DENVER MUSEUM OF NATURE AND SCIENCE
VENUS WINDS PROJECT
MEETING AGENDA

Date/Time/Location   14 May 2015, 6:00 PM   Exploration Studio 106

AGENDA ITEMS CARRIED FORWARD
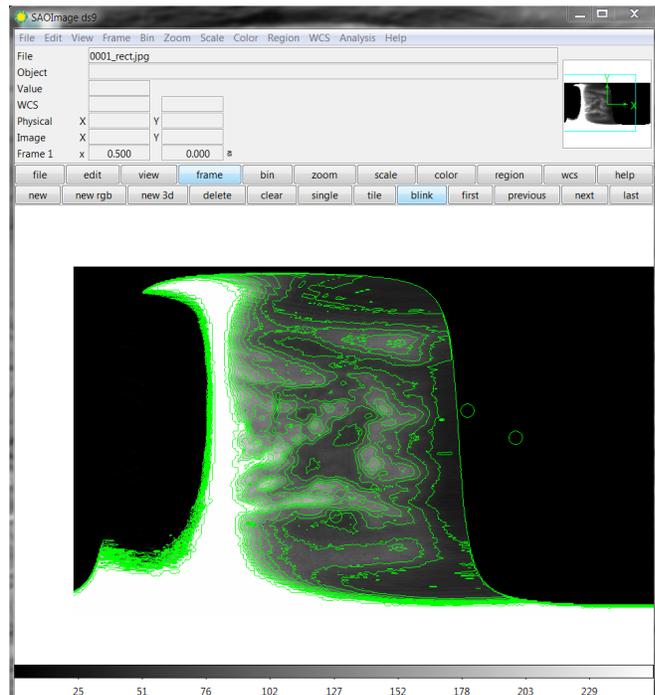
Sub-groups and their status
    The sub-group leaders who have proposed research into improving image processing and data analysis are currently inactive. Those leaders may ask to activate the sub-group as necessary.

Your experience with DS9   All
    Mark discussed and demonstrated **SAOImage DS9**, an analysis tool that is widely used by the astronomical community to extract the maximum usable information from astronomical images. One potential **DS9** operation on Venus images would be to locate the maximum pixel values of cloud/gap features much more precisely than an analyst could locate them. The website is located at **http://ds9.si.edu/**. It is free and available for PCs, Macs, and Linux machines.

Mark demonstrated a possible use for **DS9**, creating contour maps of the clouds/gaps, thus precisely determining the coordinates of maxima and minima pixel values corresponding to clouds and gaps. Under the *Analysis* menu, choose *Contours*. Analysts were encouraged to download **DS9** and the accompanying documentation to try it out.

We will discuss the experiences of those who experimented with **DS9**. Please bring examples of your work to share with all present!

Progress in using Gimp as a substitute for Adobe Photoshop   All
    Recently we proposed that analysts, who do not have access to **Adobe Photoshop**, use open-source **Gimp**, an application that is functionally similar to **Photoshop**. Those who have experimented with **Gimp** are encouraged to describe their experience.

NEW AGENDA ITEMS SINCE LAST MEETING

Wind Velocities to Date   Mark

   Mark will summarize the results from all analysts who have completed velocity spreadsheets for July 12, 2004. The purpose is to show the strengths and weaknesses of the methods used so far, and to point to ways that might provide more consistent results. At a later meeting, Christy will do a statistical analysis of the results to date.

Car-pool experiment   Art

   Several weeks ago, we became aware that some of our analysts have missed meetings, due to lack of transportation to and from the Venus Winds Project meetings. We propose to gather data from analysts who would be willing to form car-pools for this purpose. A car-pool map and contact information would be made available to all analysts. The advantages of car-pooling should be obvious.

   As an example, we will describe the car-pool that Mark, Kevin and Art participate in, namely Boulder to DMNS following US 36, I-270 and Colorado Blvd. For Art, that carpool has existed for the entire time that he has volunteered with DMNS. Jonathan, a former analyst who lived in the Broomfield area, was a car-pool member for a year or more.