

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

Date/Time/Location 25 Oct 2016, 6:00 PM

Exploration Studio 102

Telescope Night! The Moon doesn't rise until the wee hours of the morning. We will start setting up telescopes on the lawn outside the Museum at around 7:30 pm. I will bring my 8" Meade scope. Please feel free to bring your own telescope or binoculars, too! The forecast is for clear but low 40's!

**AGENDA ITEMS CARRIED FORWARD**

**Image Processing Results**—All

We will show new results from volunteers on image-centering efforts, for those who have some new work to show. Recall that the goal is to get 16 co-registered and cleaned up images for your night. In addition, it would be good to hear about any results (encouraging or otherwise) on subtracting scattered sunlight from the example images that Mark handed out last time.

**Removing Scattered Sunlight from the Images** – Mark, All

Venus' night side clouds that are closest to the terminator in our 2.3 micron images are washed out because of sunlight scattered from the bright day side crescent to the night side. This part of the image can be enhanced by mathematically subtracting an image of Venus taken at another wavelength. During the last meeting we tried using GIMP and Photoshop to the images taken with a Bracket-gamma filter (2.16 micron) from the 2.3 micron images to improve cloud contrast near the terminator. There was some limited success, so we hope to hear about volunteers' experiences and some recent promising results.

**Akatsuki Update** – Mark

Mark will report on the Akatsuki mission plans for data release. Images from the LIR camera images at 10 mm, with and without the mysterious north-south bow feature, are now available. Mark will go over some of the web sites that have the best up-to-date Akatsuki images and results.

**Google Groups** – Mark, Dave, BG, Michael

Mark will discuss the potential organization for the Google Groups pages, followed by how our work flow and collaborative needs are best served with this tool.

**NEW AGENDA ITEMS SINCE LAST MEETING**