

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

Date/Time/Location: 25 October 2016 6:00 PM Exploration Studio 106

**ATTENDING**

<b>Art</b>	Ashley	<b>BG</b>	Christian	<b>Connor</b>	Cristy	<b>Dave</b>
Drew	Dylan	Elizabeth	Emilie John	Kevin	<b>Mark</b>	<b>Marta</b>
Michael D.	<b>Michael L.</b>	<b>Yvonne</b>				

Guests:

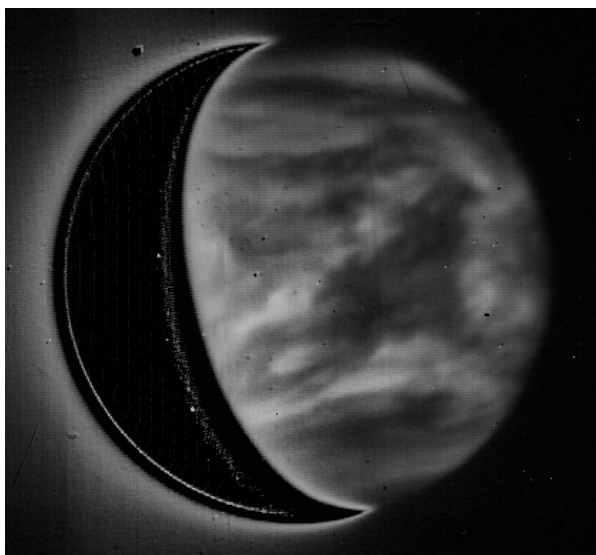
The meeting opened at 6:00 PM in Studio 106. Those **attending** are listed above.

**OLD BUSINESS**

**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. The main Venus images are taken with a 'continuum-K' filter at a wavelength of 2.26 microns, while the Venus images showing only scattered sunlight are taken with the 'Brackett-gamma' filter at 2.16 microns.

Yvonne subtracted Brackett-gamma images from July 12 and July 13 2004 continuum-K images using GIMP. She did this without first co-aligning the images. The resulting images looked a lot like the subtracted images that Mark demonstrated using Photoshop at the last meeting. Below are July 12 and July 13 2004 images that Mark co-registered with Brackett-gamma images and then subtracted, to show how this improves the raw images.



***Akatsuki Update*** – Mark

More of the 10-micron images from Akatsuki's LIR (Long wavelength IR) camera have been released. These are the ones that showed the north-south bow-like feature near the terminator. Mark discussed some of the implications of this intermittent feature, and will show some new images next meeting.

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

BG will be working remotely for a few months so we will initiate a Google Hangout session for each upcoming meeting. Others may also try out attending remotely; automatic emails with instructions for joining will go out before each meeting.

**POSTPONED**

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator