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

Date/Time/Location: 23 July 2015 6:00 PM Exploration Studio 106

ATTENDING

Art	Ashley	Christian	**Cristy**	Dave	Drew	**Dylan**
Elizabeth	Emilie	John	**Kevin**	Nick H.	Nick Z.	**Mark**
Marta	Mica	Michael D.	**Michael L.**	Rachel	Ricardo	Terran
Yvonne						

Guests: **Sandy**

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

Mark presented an overview of the latest interpretations of the most recent images from the New Horizons mission to Pluto and its moons. The surface terrain on Pluto is quite varied in texture and color, due to different icy chemical species.

OLD BUSINESS

Revisions to the spreadsheets for the July 12 and July 13, 2004 experiment Mark

Mark showed new results of calculations of wind velocities (by Yvonne and Cristy) using a revised spreadsheet. The velocities were in the range of ~50 m/sec from both analysts.

Examination of movies of images from July 4 to July 13, 2004 All

Complete image sets and movies of the raw images for the ten days from July 4 to July 13, 2004 were made available on the Venus Winds website for download by the analysts. The goal was to test the hypothesis that cloud patterns on one day can be identified on the next day. The general impression was that there were enough good quality images for all days in this time period to make that comparison.

Image processing Mark

At a future date, Mark will review the next processing steps for the December 14, 2010 images.

Removal of image imperfections and artifacts Mark

Mark briefly discussed how to use DS9 to remove some of the image imperfections and artifacts from the raw Venus images. These methods will be examined in detail at a future meeting.

NEW BUSINESS

Wind velocities for other nights in the July 2004 data Mark

There was a brief discussion on how to analyze the wind velocities in each day in the period July 4-13, 2004. It appears that there are enough usable images in all 10 days to attempt tracking features at a one-day interval over that period. It is hoped that in some cases, the same feature might be tracked over a two-day interval. Discussion of this topic will continue at the next meeting.

Mark encouraged analysts to try to derive velocities from the raw (circular) images from July 4-13, 2004. However, for consistency, he will send out projected (rectangular) image and spreadsheets for these nights. These images should be used for determining velocities for the nights of July 4-13, 2004

The next meeting on August 6 will be in Exploration Studio **102** at 6 PM. **Note the change in venue.**

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator