

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

Date/Time/Location: 20 June 2016 6:00 PM Exploration Studio 102

ATTENDING

Art	Ashley	Christian	Connor	Cristy	Dave	Drew
Dylan	Elizabeth	Emilie	John	Kevin	Mark	Marta
Michael D.	Michael L.	Rachel	Terran	Yvonne		

Guests: **Dave Blumenstock, Karla Zelvis**

Changing of the guard -- Dave Blumenstock

Dave Blumenstock, DMNS Coordinator of Space Sciences, introduced Karla Zelvis, DMNS Coordinator of Earth Sciences. On July 1, Karla and Dave will switch positions. We welcome Karla to the Venus Winds Project and plan keep her informed about our plans and activities; best wishes to Dave and Karla in their new roles!

Cosmographia – Mark

Mark demonstrated a powerful new software tool for visualizing and calculating many geometric and geographical parameters for any kind of planetary observation – from telescopes to spacecraft instruments. We will use this highly visual tool to replace the functionality of the JPL HORIZONS ephemeris tool. Cosmographia was developed by JPL and is free and available for Windows, Macs, and Linux platforms. <https://naif.jpl.nasa.gov/naif/cosmographia.html>
Below is a screen shot of Venus with several geometric data overlain:



AGENDA ITEMS CARRIED FORWARD

Image Processing Results–All

Everyone now has an assignment and thumb drive to copy results to. You can copy your 16 raw images to it's own folder ('Selected Images'). If you have removed the spectrometer slit from the raw images, store these results in the 'Slit Removed' folder. If you've been able to center your images, store them in the 'Centered Images' folder. We will take a look at all new results from volunteers.

Reading Assignment – Mark

Mark will go over some of the most important points in *The New Solar System* chapter that relate to our project. Bring questions, as this chapter discussed the basic physics of planetary atmospheres.

Akatsuki Update – Mark

Current mission plans are to have new images available to the science team by the end of June. Some fraction of these may be available to us to take a look at. Mark will update everyone on the health and status of the Akatsuki spacecraft mission.

The next meeting will be on Tuesday 5 July 2016 at 6 PM. Studio 102

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator