DENVER MUSEUM OF NATURE AND SCIENCE VENUS WINDS PROJECT

MINUTES OF MEETING

Date/Time/Location: 10 Apr 2014 6:00-8:00 PM Admin 2

ATTENDING

Bullock	Harter	Lindsay	Rabellino	Tarr
Doubek	Knutson	McGouldrick	Romero	

OLD BUSINESS

Results of assignments to determine wind speed examples

8 Jul 2004 Bryan 9 Jul 2004 Michael D. 10 Jul 2004 Marta* 11 Jul 2004 Art

11 Jul 2004 Art Completed using cylindrical coordinates

12 Jul 2004 Carlos

13 Jul 2004 Mark Completed

Art discussed his assignment, determining wind speeds for 15 cloud features observed on five images taken on 11 Jul 2004 and spanning the range 15:14:00 UT to 18:28:00 UT. The images had been converted from the original to cylindrical projection. The measurements were recorded on Mark's Excel spreadsheet created for that purpose. Almost all cloud features showed a consistent movement from East to West with U (i.e E-W) components that ranged from 15 m/sec to 80 m/sec. The V (i.e, N-S) component of most features was less consistent. The attached spreadsheet shows this behavior.

Art suggested that some of the scatter may actually be due to an artifact of formulae in some of the cells. Mark agreed and is going to review the spreadsheet and correct any formulae that contain this artifact.

Overall the assignment was considerably easier than using Art's original spreadsheet that was intended for measurements on an unprojected image. This earlier spreadsheet had more complicated formulae in it.

Venus Winds wiki improvements Mark

Postponed until we have greater attendance.

Proposed manuscript for publication Mark

Postponed until we have greater attendance.

Investigate some images on JPL web sites Mark

Postponed until we have greater attendance.

^{*}New assignment

Previous Venus wind speeds from other scientists

Mark

Postponed until we have greater attendance.

Mathematics of the rectangular coordinates transformation Mark, Art

Postponed until we have greater attendance.

The next meeting on April 24 will be in the usual space, Admin 2.

Submitted by Arthur C. Tarr, Venus Winds Project Coordinator

