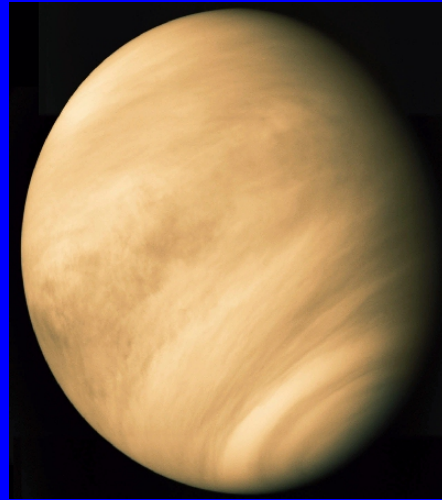


Venus Express E/PO Program



Rosalyn A. Pertzborn

University of Wisconsin

2nd VEXAG Meeting, Pasadena, California

1 May 2006

Venus Express E/PO Status

- Venus Express successfully achieves orbital insertion in April 2006!!!
- VEX EPO “Check in the mail” (April 06)
- US Venus Express web site up and running:
venus.wisc.edu
 - US Co-I Team members pictures and biographies to be added
 - Messenger flyby animation (McNutt)
- Presentation (Limaye) at EGU Meeting on E/PO opportunities (see brochure)
- AAPT presentation of planned Learning Module prototype in Syracuse, NY (July, 2006) for PTRAs
- Teacher Workshop: EuroPlaNets Conference in Berlin (Sept. 2006)

Venus Presentations

“One Sky, Two Views”

- Ashland Middle School, Ashland, January 27, 2006
- Lac Courte Oreilles Tribal Middle School, Hayward, WI, 28 Jan 2006
- Horace Mann Middle School, Neenah, Wisconsin, 30 Jan 2006
- Glacier Creek Middle School, Cross Plains, WI, 20 February 2006
- Potawatomi Indian Middle School, Milwaukee, March 2006
- Menominee Tribal School, Keshena, WI, 13 March 2006

VEX Formal EPO Partnerships

- American Association of Physics Teachers – “Mysteries of Venus Module” for dissemination through RSI PTRA network (NSF funded through Summer 2007)
- Center for Science Education; Space Science Laboratory, UC-Berkeley (Luhmann)
 - VEX Middle School Teacher Activity Guide
- Other partnerships are being explored:
 - National Girls’ Collaborative (NSF) - Puget Sound Center for Teaching, Learning, Technology
 - National Academy Press

VEX Informal EPO Partnerships

- JPL Solar System Ambassadors and Educators
- Explore! Library Program
- New Venus themed materials for interactive kiosk (Small Museums Program)
- Planetary Society – Speakers Bureau
- Amateur Astronomers' Venus Observing Networks
 - Venus Amateur Observing Project (VAOP)
 - ALPO
 - British Astronomical Association
- Other partnerships are being explored:
 - National Girls' Collaborative (NSF) - Puget Sound Center for Teaching, Learning, Technology
 - National Academy Press

Venus Express E/PO Program & NASA Requirements

All programs must meet new guidelines for NASA's education portfolio

- Include Education – Not Public Outreach
- Education Portfolio is Outcome Based (Requirements)
 - Contribute to STEM workforce
 - Attract and retain students in STEM disciplines
 - Build strategic partnerships between informal and formal education providers

Venus Express E/PO – NASA Requirements

- All Programs in NASA's Portfolio must be traceable to clearly defined outcomes
- Operating principles:
 - Relevance
 - Content
 - Diversity
 - Evaluation
 - Continuity
 - Sustainable Partnerships

Co-I Participation in E/PO

- Create Venus Express Presentation for use by all team members (presentation kit) for specific targeted audiences
- Develop feature articles for Website
- Incorporate VEX science themes/data in undergrad/graduate courses (pipeline)
- Obtain support for Grad Students to implement regional VEX E/PO Program (Space Grant Fellowships/Small Grant programs)
- Work with local SSE/Ambassadors (Contact Kay Ferrari/JPL for participants in your area)
- **Native Skylore Conference (Experience Winter in Wisconsin 2007!)**

Next Steps

- Team Members – send bio and a short description of your involvement in Venus Express
- Please provide details (date, address including zip code, congressional district, audience description and number) of any presentations or other activities related to Venus Express you make to include in the Venus Express Education Portfolio (**Very Important!**)