

RBSP

Radiation Belt Storm Probes

Education and Public Outreach Opportunities for Instrument Teams

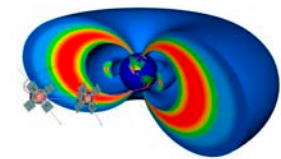
Space Department Education and Public Outreach

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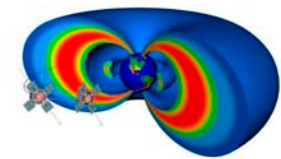
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E/PO Opportunities

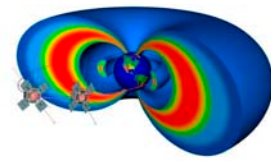
- **Launch Site E/PO lectures**
- **Launch Site Teachers Workshop**
- **Curriculum development**
- **Pre-service Teachers Workshop (here at APL)**
- **Museum Alliance teleconferences**
- **NASA Internships for graduates and undergraduates**

- **Solicitations for “White papers” will come very soon**
 - For FY2012, a maximum of \$20K can be requested (includes participation in the above activities), max of \$15K for subsequent years;
 - 1-2 pages (not including budget);
 - The goal is that all the instrument teams get money for E/PO.



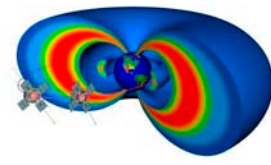
Launch Site Activities

- Curriculum development (in preparation for teachers workshop)
 - Ideally, will have one activity per instrument team
- Teachers Workshop
 - September 4-5, 2012;
 - At KSC Education Resource Center;
 - Advertising it with a *focus on RBSP science and engineering*, and a launch viewing if the timing permits;
 - Agenda includes time for each instrument (lecture and accompanying activity) on second day;
- RBSP mission speakers in the KSC Visitor's Center Theatre, a public lecture at Brevard Community College, and possible classroom visits
 - Will be sending out requests along with the PAOs for their media needs
 - Need to be aware not to double-book speakers



Curriculum Development

- Contracting with Montana State University to develop curriculum submit to NASA product review;
- Ideas from Instrument Teams for activities and lessons for middle and high school classrooms
 - Energetic Particle, Composition, and Thermal Plasma Suite (ECT)
Principal Investigator: H. Spence, University of New Hampshire
 - Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS)
Principal Investigator: C. Kletzing, University of Iowa, Iowa City
 - Electric Field and Waves Suite (EFW)
Principal Investigator: J. Wygant, University of Minnesota, Minneapolis
 - Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE)
Principal Investigator: L. Lanzerotti, New Jersey Institute of Technology
 - Relativistic Proton Spectrometer (RPS)
Principal Investigator: National Reconnaissance Office

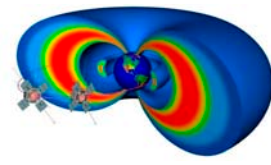


Curriculum Development, continued

- **Some things to consider when brainstorming ideas:**
 - Standards must be addressed - Appendix C of the RBSP E/PO Plan (copies provided at the E/PO splinter session);
 - A general focus on grades 5-12, but a discussion on instrument science and appropriate grade levels will need to be had;
 - Hands-on activities are especially good;
 - Some PIs have teaching and classroom experience, so collaborating with them will help;
 - Activities slots for the Launch Site Teacher Workshop are 30 minutes.
 - Speaker slots are 20 minutes for instrument and activity introduction.



THANK YOU



Questions???



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