

# Van Allen Probes–RBSPICE

## Education and Public Outreach

### *Highlights of Activities to Date*

- Prepared and distributed **RBSPICE in the Classroom**, a lesson plan compliant with new National Science Standards
- Prepared and delivered **six public presentations**
  - including **two workshops** for secondary and junior college level **STEM** teachers
  - reached more than **400** teachers, students and other members of the public
- Developed and staffed a **10-day pre-launch multi-media** storefront display and information kiosk in Lawrence, Kansas
  - resulted in a local **TV news** story and lead front-page story in the Sunday edition of the **Lawrence Journal World**

# Public Presentations and Events

- **Ad Astra Kansas Day** – annual science and engineering fair, Washburn University, Topeka KS
- **Evening with the Stars** – Johnson County Community College, Overland Park KS
- **Launch Countdown** – 10-day multi-media display and staffed information kiosk  
Retail storefront, Lawrence KS



Armstrong preparing display and information booth at Ad Astra Kansas science fair

Armstrong presenting **History of Humans in Space** at Johnson County Community College



# Pre-Launch storefront display Lawrence KS



Armstrong and Manweiler interviewed  
by Channel 6 TV News



Multi-media display  
and information kiosk

# Public Presentations and Events

- **Galaxy Forum** – annual STEM symposium, Kansas Cosmosphere and Space Center, Hutchinson KS
- **Public Library** – presentation and star-gazing, Meriden KS
- **APL Pre-launch Teacher Workshop** – APL, Laurel MD
- **Astronomical Society of Kansas City** – UMKC Kansas City MO

# Lesson Plan

## RBSPICE In The Classroom: Changing Magnetic Fields and Electrical Current

- A hands-on exercise exploring the relationship between changing magnetic fields and the generation of electrical circuits.
- Lesson plan and demonstration compliant with new National Science Standards

3-buck galvanometer



# Plans for FY13

- ❑ Update space weather and history of space science talks
  - ❑ Conduct outreach to develop public, classroom and special interest group presentation opportunities
  - ❑ Participate in Ad Astra Kansas Day – April, 2013
  - ❑ Present to KU Physics Department – April, 2013
- ❑ Expand and improve social networking and website tools
- ❑ Develop one or more lesson plans based on RBSPICE and ACE comparative data, compliant with new national science standards and objectives