

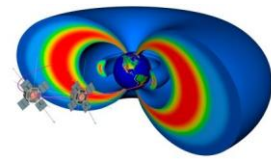
**RBS**  
Radiation Belt Storm Probes

# Wrap Up and Action Item Review

September 1, 2010



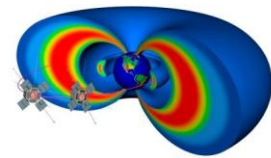
# August 30, 2010



- Model discussions.
  - We need modelers to work with us formulating science campaigns
    - There are two ways we can achieve this:
      1. We have our list of mysteries, let the modelers respond to which ones they want to help us with
      2. What are their favorite mysteries, hypotheses? Let's work together how to solve them
    - Sasha is organizing a focus group with the modelers who presented here (and others) to develop the mysteries and campaigns to be studied
  - Run SC trajectories through models.
    - What do the modelers need?
    - Do we have the needed trajectory information?
  - Promote discussion on “chorus structure” theory



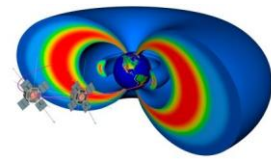
# August 31, 2010 (1/2)



- Collaboration with other missions and assets
  - Support from the Science Data Portal
    - Conjunction analyses for different missions
    - Timelines based on notional launch dates
    - Orbit trajectories mapped to Earth
    - Ephemeris plots with multiple missions
  - THEMIS focus group
    - What support do we want from THEMIS?
    - What is the best spacing for the satellites?
  - SuperDARN focus group
    - What parameters do we want from the radars?
    - Temporal versus spatial resolution
    - Do we need special modes, can we do “Responsive Scheduling”?



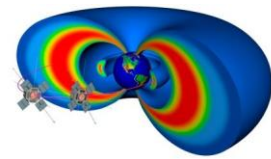
# August 31, 2010 (2/2)



- Collaboration with other missions and assets (cont.)
  - Project support for ground assets
    - Do we need to provide support letters?
    - How can we help DASI?
  - What do we want from the CCMC?
    - What tools/products from RBSP do we want to put into CCMC
    - Are there any tools that we would like from CCMC in addition to space weather.
    - Follow up at future SWG meeting
  - Collect mission information, update charts, distribute.
    - Future SWG discussion as to how to progress in coordination with other missions.
  - Add TWINS ES data to the discussion



# September 1, 2010



- Space Weather
  - Use CRRES data to give statistical baseline for data
    - Work with Joe F, Reiner
  - Integrate the AE9/AP9 model
    - Work with Reiner
  - ECT and RBSPICE coordination for real time data display
    - Geoff, Reiner and Don, Jerry to work with Nicky to define what particle data we want to see on the real time page.
    - Energy channels, pitch angles, spin average
  - Everything needs to be available in the digital stream (counts, flux etc)
  - Add Dst (others?) to the real time page