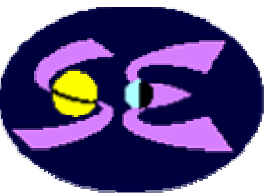




# Space Weather Beacon

## Status of NOAA related efforts



# Data Ingest from SSC to NOAA

- Pretty much set up to go
  - Currently ingesting full-res fits image data as it's made available at the SSC
  - Operationally, may keep 10 days of all Image data
    - May keep gif files of full res permanently
- Will ingest all beacon data
  - Stored permanently

# Ground Station Partners

- Software to demodulate and forward data has been made available to all partners?
  - NOAA/Wallops (late Jan?)
  - NOAA/Fairbanks (any day now)
  - NICT (Japan) (any day now)
  - CNES (France) (any day now)
  - RAL (UK) (success, on Dec 8?)
- Still debugging various problems, mostly minor.

# Internal SEC Website

## PLASTIC, IMPACT and SWAVES

- A web-site, exactly mirroring ACE available internally. May be available in future externally. Hope to merge ACE/STEREO data where appropriate

**ACE Real Time Solar Wind**

**ACE RTSW News and Announcements**

**December 7, 2006: ACE SOLAR WIND DATA CONTAMINATED**

Recent solar energetic proton events have contaminated the ACE SWEPAM instrument data resulting in incorrect solar wind density, speed, and temperature values being reported by SEC. This contamination started at about 0700 UTC on 07 December and is expected to continue until energetic proton fluxes subside. See [GOES Proton Plot](#) for current conditions. ACE RTSW MAG, EPAM, and SIS data are unaffected.

**Dynamic ACE RTSW Plots**

Dur	SOLAR WIND: Mag field & Plasma	Magnetic Field	Plasma	Low Energy Electrons & Protons	Low Energy Electrons	Low Energy Protons	High Energy Protons
2 hrs	<a href="#">MAG SWEPAM</a>	<a href="#">MAG</a>	<a href="#">SWEPAM</a>	<a href="#">EPAM</a>	<a href="#">EPAMe</a>	<a href="#">EPAMp</a>	<a href="#">SIS</a>
6 hrs	<a href="#">MAG SWEPAM</a>	<a href="#">MAG</a>	<a href="#">SWEPAM</a>	<a href="#">EPAM</a>	<a href="#">EPAMe</a>	<a href="#">EPAMp</a>	<a href="#">SIS</a>

Questions and comments concerning these pages or the operational use of ACE Real Time Solar Wind can be addressed to: [Kent.A.Doggett@noaa.gov](mailto:Kent.A.Doggett@noaa.gov).

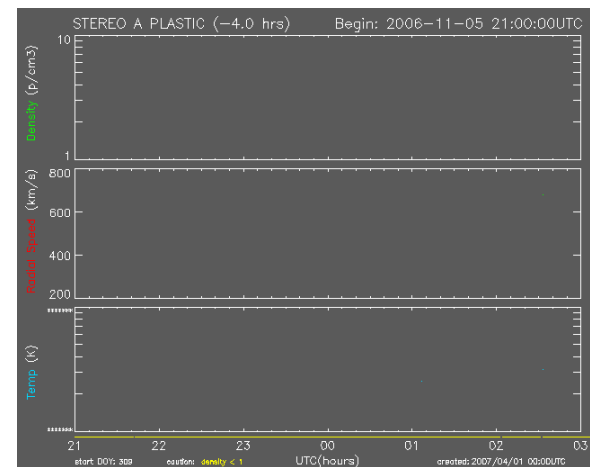
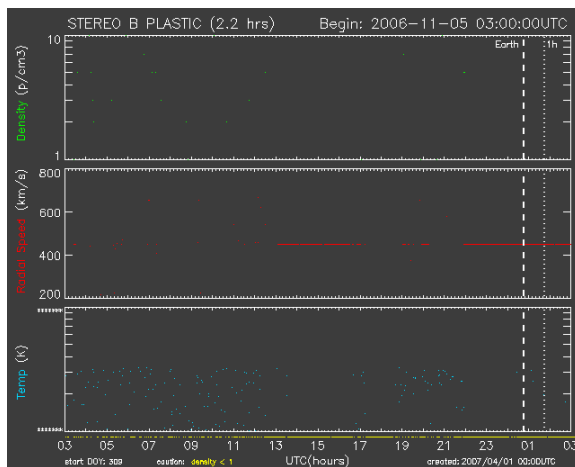
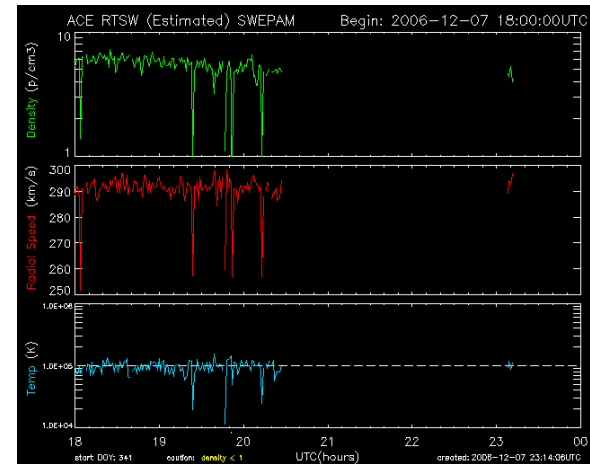
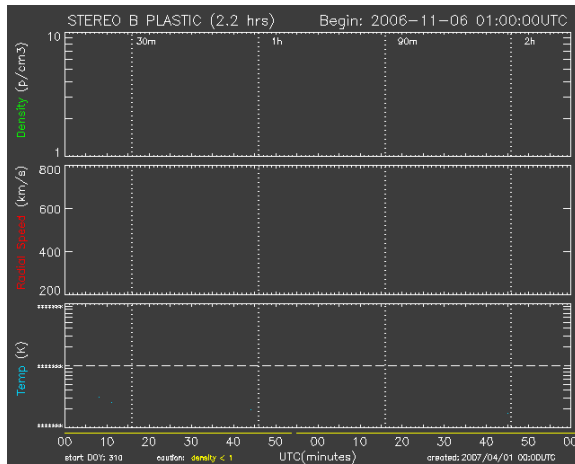
**STEREO Real-Time Beacon**

**Dynamic STEREO Beacon Plots**

Dur	SOLAR WIND: Mag field & Plasma	Magnetic Field	Plasma	Low Energy Electrons & Protons	Low Energy Electrons	Low Energy Protons	High Energy Protons
2 hrs							
6 hrs							
24 hrs							
3 days							
7 days							

Questions and comments concerning these pages or the operational use of STEREO Beacon data can be addressed to: [Doug.Biesecker@noaa.gov](mailto:Doug.Biesecker@noaa.gov).

# Sample Plastic Real-time display to update every 1-2 minutes



# Scheduling/tracking

- In early phase of mission, whenever tracking conflicts exist, we will aim to:
  - Maximize coverage of STEREO-B; at the expense of maximizing 'stereo' from both s/c
- Still need to write software to implement this, utilizing files created by SSC