STEREO Science Center

SWG – November 2005

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Current Status #1

- Telemetry ingest
  - Successful test during Sim #2
- Archiving
  - Web sites are up and running
  - Mirroring MOC archive using rsync
    - Would like to also use rsync to pull instrument data
  - New servers and RAIDs have arrived, and are in the process of being installed

Current Status #2

- Space Weather Beacon
  - Test plan with NOAA antenna partners
    - Network throughput test partially complete
  - Delivery of instrument software imminent
- Browsers
  - Planning several browsers, one for images, one for in-situ, and one events page for each spacecraft
  - Started looking at converting SolarSoft “Latest Events” to STEREO usage

SolarSoft Library

- Have started a “STEREO-generic” tree within the SolarSoft library
  - The main component right now is software to handle the SPICE orbit and attitude files
    - Orbit and attitude files distributed as part of SolarSoft
- Branches for each of the STEREO instruments
  - SECCHI and SSC branches are populated

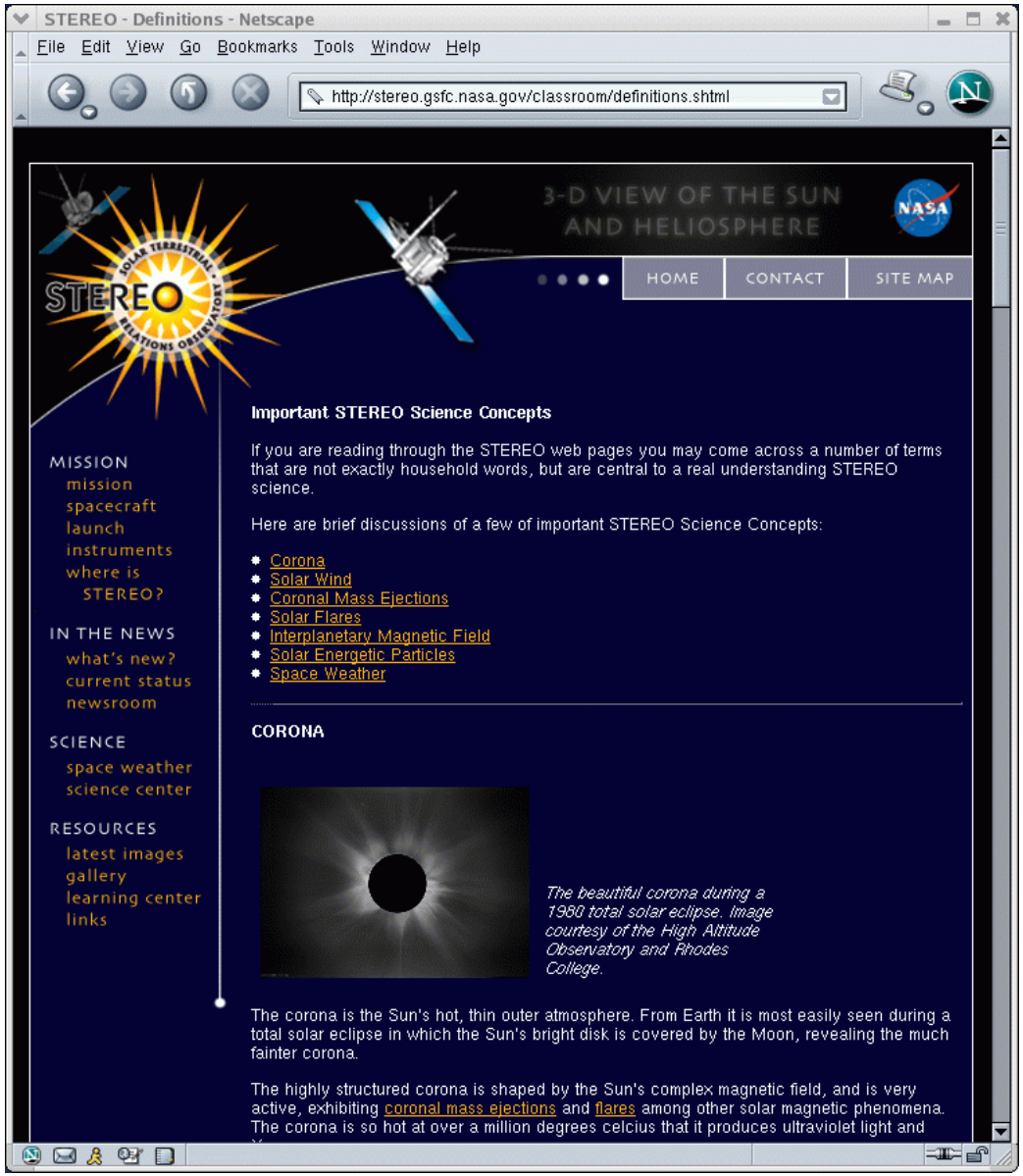
STEREO and VSO

- Defined the instrument schemas.
- VSO currently has the following interfaces:
  - Web based
  - Command line (*unix shell*)
  - IDL (*in development, will be put in SolarSoft*)
  - An API for new interfaces
- Portions of VSO are also searchable through EGSO and VSPO. In-situ data will also be served from VHO.
- Currently serving some event lists.
  - Design work going on to make sure that VSO has a good framework for event lists, using VOTable.

Software & Data Handling Telecons

- Have started a series of monthly teleconference meetings to discuss software and data handling issues.
- So far have held eight telecons:
  - **21-Jan-2005**: Mission Simulations
  - **14-Feb-2005**: Coordinates
  - **18-Mar-2005**: Beacon processing
  - **20-Apr-2005**: Catalogs
  - **9-Jun-2005**: Beacon processing
  - **Aug-2005**: Data browsers (virtual)
  - **10-Oct-2005**: Beacon processing
  - **3-Nov-2005**: SolarSoft library
- All the minutes are on the “Intranet” site

EPO Activities



Important STEREO Science Concepts

- Describes basic concepts, such as “What is the corona?”
- Has links to other sites for more information.
- Covered topics:
  - Corona
  - Solar Wind
  - Coronal Mass Ejections
  - Solar Flares
  - Interplanetary Magnetic Field
  - Solar Energetic Particles
  - Space Weather

Posters

- The new STEREO poster has been released
- The STEREO/EPO poster is awaiting approval.
- Our website now has an eclipse section, to build on "Sun-Earth Day 2006: Eclipses in a Different Light"
  - Eclipse poster available in multiple languages: *English, Spanish, French, Arabic.*
  - Other languages?