SSC Preflight Status

• Tested during Sim #3:
  – Telemetry ingest
  – Beacon processing
  – Science planning
  – Archiving of MOC data products, including level-0 telemetry
  – Archiving of instrument data

• Interfaced archive to Virtual Solar Observatory
  – Tested IDL interface
  – Event catalogs still under development

• Developed browse tools
  – Daily summary images and plots
  – SPICE orbit web browser
  – “Latest events” pages under development (Sam Freeland)
SSC Flight Status

• Currently working:
  – Telemetry ingest
  – Science planning web pages:
    • Current plans
    • DSN Schedule Summary
    • Weekly meeting minutes
    • Early Orbit Summary
  – Archiving of MOC data products, including level-0 telemetry
  – Archiving of instrument data (SECCHI, PLASTIC)
  – Organization of SPICE ephemerides within SolarSoft
    • SPICE orbit web browser, “Where is STEREO?” page

• Virtual Solar Observatory
  – IDL interface working for PLASTIC data
    • Waiting until embargo over for SECCHI

• Beacon interface with NOAA antenna partners imminent
  – Ephemerides and viewperiod files being generated for ground stations.
STEREO Orbit Tool

• New web-based tool for plotting STEREO’s position in the solar system.

• Can also plot Ulysses and Messenger positions, Parker spiral.

• Also prints out summary information.

• Uses IDL RPC server, with a PHP front-end.
Future Work

• Beacon processing:
  – Need new software from instrument teams
  – Instruments need to finish commissioning (high voltages, etc.)

• Daily summary plots:
  – Same comments as above
  – Need to incorporate non-STEREO data
    • SolarSoft has software to retrieve WIND, ACE, SOHO data

• Image/plot search tool
  – Plan to build on SOHO tool
Beacon & Daily Summary Plots
Upcoming Operations – 1

- **Dec 11, Monday**
  - Ahead: Power test, 45° off-point
  - Ahead: Open HI baffle cover

- **Dec 12, Tuesday**
  - P4 Perigee, IMPACT MAG roll

- **Dec 13, Wednesday**
  - Ahead: SECCHI GT calibration (small off-points)
  - Behind: Open SECCHI SCIP doors

- **Dec 14, Thursday**
  - Ahead: SECCHI GT calibration
  - Ahead: Open IMPACT SIT and SEPT doors

- **Dec 15, Friday**
  - S1 first lunar swingby

- **Dec 16, Saturday**
  - Behind: SECCHI GT calibration
Upcoming Operations – 2

- Dec 18, Monday
  - Ahead: SWAVES calibration roll
  - Ahead: Open HI baffle cover

- Dec 19, Tuesday
  - Behind: SWAVES calibration roll

- Dec 20, Wednesday
  - Behind: SECCHI GT calibration

- Dec 21, Thursday
  - Behind: SECCHI GT calibration
  - Behind: S1+ Prime Delta-V Maneuver

- Dec 23, Saturday
  - Behind: S1+ Backup Delta-V Maneuver
Upcoming Science Events

• Dec 2006 – May 2007
  – Ulysses quadrature
• Mar 13 – Apr 30
  – SUMER/Hinode campaign
• May 1-15
  – SECCHI campaign
• June 5
  – Messenger – Venus fly-by
• August 19
  – Ulysses ecliptic plane passage

Don’t forget to get in your JOP write-ups!