

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.

Science Planning Pages

STEREO - Coordinated Observations Calendar - 2006 - Netscape

http://stereo-ssc.nascom.nasa.gov/plans/plans.shtml

STEREO Coordinated Observations Calendar - 2006

Below, please find the current plan

Scheduled activities for W

M Aug 28 (240)
T Aug 29 (241)
W Aug 30 (242)
T Aug 31 (243) Launch
F Sep 01 (244) Power on S
S Sep 02 (245) 1st Engine
S Sep 03 (246) Power on P

DSN Summary

STEREO - DSN Schedule Summary - Netscape

http://stereo-ssc.nascom.nasa.gov/plans/dsn_schedule.shtml

STEREO DSN Schedule Summary

This page is also available as [plain text](#).

Observ.	Start (BOT)	End (EOT)	Durab:
Ahead	2006-08-31 20:02	2006-09-01 03:30	07h22
Ahead	2006-08-31 20:02	2006-09-01 03:30	07h22
Behind	2006-08-31 20:02	2006-09-01 03:30	07h22
Ahead	2006-09-01 03:25	2006-09-01 11:35	08h11
Behind	2006-09-01 03:25	2006-09-01 11:35	08h11
Behind	2006-09-01 11:15	2006-09-01 20:00	08h45
Ahead	2006-09-01 11:15	2006-09-01 19:55	08h44
Ahead	2006-09-01 19:35	2006-09-02 04:10	08h34
Behind	2006-09-01 19:40	2006-09-02 04:10	08h33
Ahead	2006-09-02 03:45	2006-09-02 11:50	08h05
Behind	2006-09-02 03:50	2006-09-02 11:50	08h05
Behind	2006-09-02 11:30	2006-09-02 20:25	08h55
Ahead	2006-09-02 11:30	2006-09-02 20:20	08h54
Ahead	2006-09-02 20:00	2006-09-03 04:25	08h29
Behind	2006-09-02 20:05	2006-09-03 04:20	08h15
Ahead	2006-09-03 03:55	2006-09-03 12:05	08h11
Behind	2006-09-03 04:00	2006-09-03 12:05	08h04
Behind	2006-09-03 11:45	2006-09-03 20:50	09h09
Ahead	2006-09-03 11:45	2006-09-03 20:30	08h45
Ahead	2006-09-03 20:10	2006-09-04 04:20	08h11
Behind	2006-09-03 20:30	2006-09-04 04:25	07h55
Ahead	2006-09-04 04:00	2006-09-04 16:05	12h09
Behind	2006-09-04 04:05	2006-09-04 12:05	08h01
Behind	2006-09-04 11:40	2006-09-04 23:15	11h33
Ahead	2006-09-04 11:45	2006-09-04 23:15	11h33
Behind	2006-09-04 17:00	2006-09-04 19:05	02h05
Behind	2006-09-04 22:55	2006-09-05 04:30	05h34
Ahead	2006-09-04 22:55	2006-09-05 04:20	05h29
Ahead	2006-09-05 04:05	2006-09-05 16:05	12h01
Behind	2006-09-05 04:10	2006-09-05 12:10	08h01
Ahead	2006-09-05 11:45	2006-09-05 23:15	11h33
Behind	2006-09-05 11:45	2006-09-05 23:15	11h33

STEREO - STEREO Orbital Summary - Netscape

http://stereo-ssc.nascom.nasa.gov/orbit_summary.shtml

STEREO Orbit Summary

This page shows approximate dates and times of significant orbital events during STEREO early operations, based on the latest ephemerides.

	STEREO A	STEREO B
Launch	31-Aug-2006 19:58	31-Aug-2006 19:58
A1 Apogee	5-Sep-2006 10:29	5-Sep-2006 09:31
P1 Perigee	10-Sep-2006 01:01	9-Sep-2006 23:11
A2 Apogee	14-Sep-2006 13:09	14-Sep-2006 10:32
P2 Perigee	19-Sep-2006 01:16	18-Sep-2006 21:52
A3 Apogee	24-Sep-2006 17:35	24-Sep-2006 15:47
P3 Perigee	30-Sep-2006 10:35	30-Sep-2006 10:25
A4 Apogee	6-Oct-2006 05:30	6-Oct-2006 07:02
P4 Perigee	12-Oct-2006 00:41	12-Oct-2006 03:55
S1 Swingby	15-Oct-2006 14:51	15-Oct-2006 15:18
A5 Apogee		2-Nov-2006 17:39
S2 Swingby		23-Nov-2006 11:40

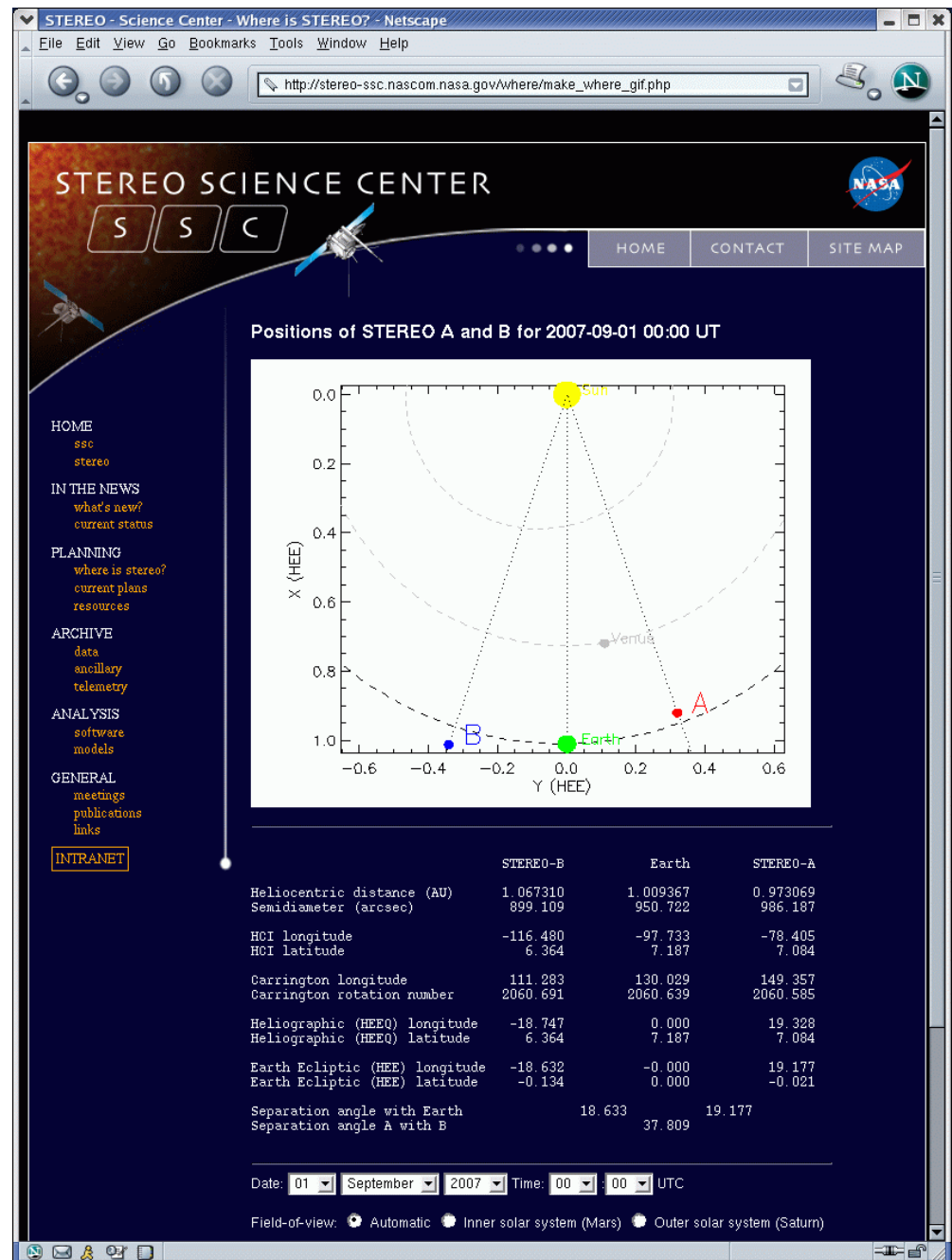
Last Revised: Thursday, 10-Aug-2006 11:03:47 EDT
Responsible NASA Official: [Michael L. Kaiser](#)
[Privacy Policy and Important Notices](#)
Feedback and comments: [webmaster](#)

Planning Calendar & Meeting Minutes

Early Orbit Summary

STEREO Orbit Tool

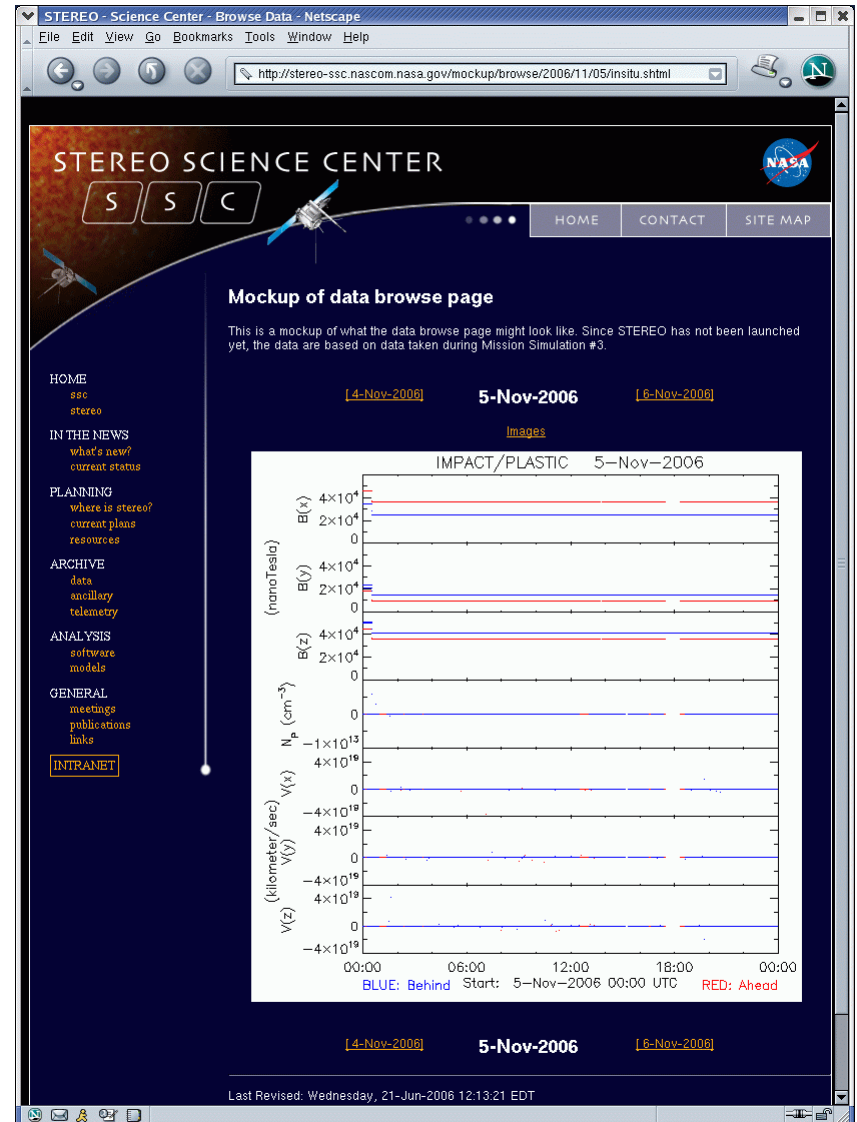
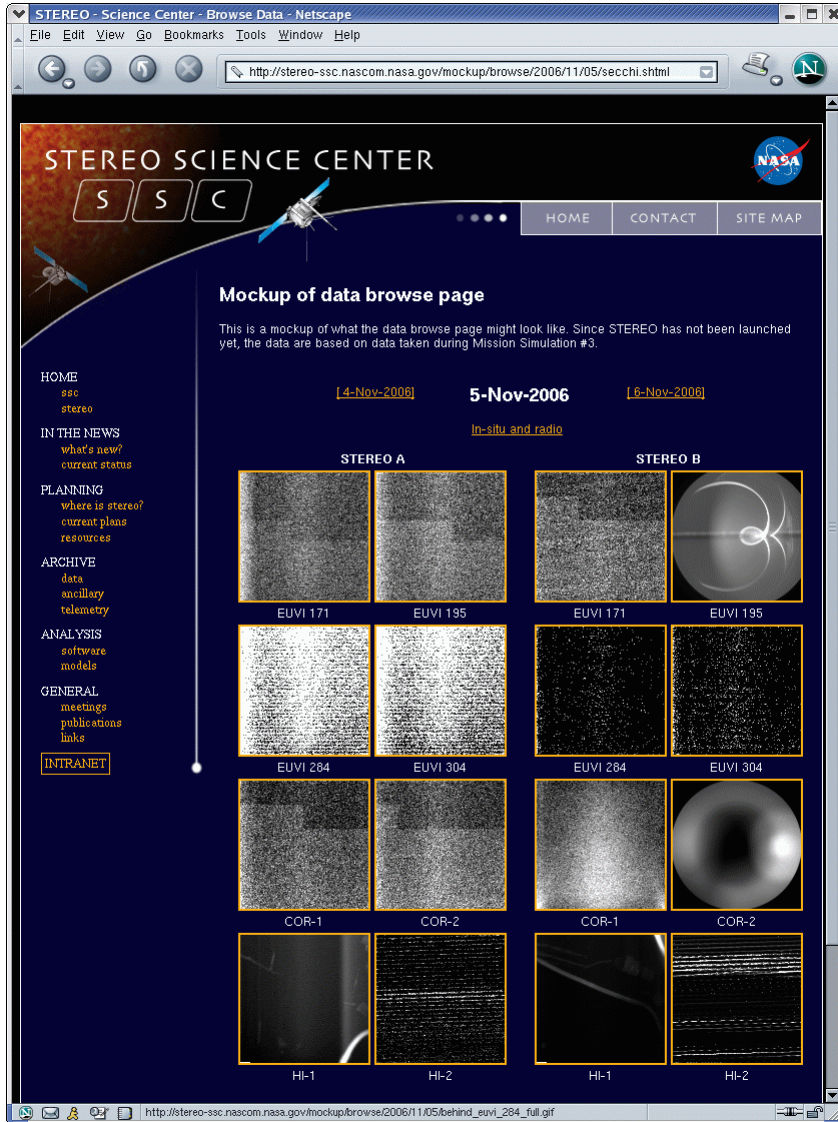
- New web-based tool for plotting STEREO's position in the solar system.
- Can also plot Ulysses and Messenger positions, Parker spiral.
- Also prints out summary information.
- Uses IDL RPC server, with a PHP front-end.



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!*