

Space Weather

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For

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STEREO SWG

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<http://secchi.nrl.navy.mil/spwx/>



SECCHI | SECCHI SW HOME | NOAA SWPC | SOHO SW | ESA SW | AF SWx | NSF Natl. SW

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SECCHI SW HOME

Meetings & Working groups

Projects

Papers & Presentations

Team Members and Email

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13-15 Dec 2006

19-22 May 2007

[STEREO Data Links:](#)

CACTus COR2 CME list

COR1 CME Catalog

EUVI Event Catalog

HI Event List

NASA STEREO The Sun in 3D

NOAA STEREO Beacon Plots

STEREO

SECCHI EUVI (LMSAL)

SEEDS

STEREO Daily Browse Data

STEREO SWAVES plots

UCLA STEREO ICMEs, SIRs,

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UCLA STEREO Magnetometer Data Server

[Data Products by year:](#)

SWAVES and WIND/WAVES Type II/IV Lists

[STEREO Modeling:](#)

CCMC STEREO Support

CISM

SAIC MHDWEB

SECCHI 3D R&V

STEREO IMPACT Modeling

UCSD SWx Forecast

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THE STEREO SPACE WEATHER GROUP

Welcome to the Home page of the STEREO Space Weather Group. The intent is that this be an open web site, where anyone from the scientific community can follow our efforts to prepare computer programs, modeling efforts and research studies in preparation to use the STEREO observations as a tool for Space Weather. We also invite scientists from outside the SECCHI or STEREO consortia to join in the group's efforts. We describe below the procedure to join the Space Weather group.

There are now two coordinators of the STEREO Space Weather group: David Webb, the SECCHI Space Weather Coordinator and a Co-I on the SECCHI Heliospheric Imager experiment, and Doug Biesecker, of the NOAA Space Environment Center and NOAA's coordinator of the STEREO Beacon data. This site is intended to be the repository of all pertinent details and information related to the STEREO Space Weather efforts. Our activities are closely coordinated with the STEREO Science Center at [GSFC](#) where the Beacon data will reside. Our site will be updated as new information and revisions dictate. A general discussion of Space Weather, the role of coronal mass ejections, and the use of the STEREO instruments for space weather is [HERE](#). We recently completed a chapter on STEREO Space Weather that will appear in the STEREO Instrument book. The current version is [HERE](#)



The overall purpose of the Space Weather Group is to help coordinate space weather efforts involving the STEREO mission and its instruments, including that of individual team members, and to help coordinate those efforts that lead to tools and products that can be tested and used before and after the STEREO launch. The STEREO real-time Beacon is a major STEREO effort having Space Weather implications. Other activities of the group include incorporating and interfacing STEREO data and space weather activities with: (1) Imaging and in-situ data from other existing space missions such as ACE, Wind, SOHO, Ulysses, GOES-12 SXI, the Transition Region and Coronal Explorer (TRACE) and Solar Mass Ejection Imager (SMEI), and ground-based observations such as interplanetary scintillation (IPS), optical line and broadband and radio emission, and future missions planned for the STEREO timeframe, such as Solar-B, GOES-13 SXI, and the Solar Dynamics Observatory (SDO); (2) The Geospace community to understand the coupling of and responses to CMEs and other transient disturbances by encouraging and participating in space weather campaigns; (3) The Community Coordinated Modeling Center (CCMC) and other simulation and modeling groups to use STEREO data as input to space weather models; (4) The SECCHI 3D Reconstruction and Visualization Team to develop models that have a space weather context; (5) The various virtual observatories that are being developed; (6) The International Heliophysical Year (IHY) program in 2007-08; (7) Meetings and workshops involving space weather; and (8) NASA's PAO EP/O and other outreach activities.

Space weather page at NRL is working again

From Dave Webb

- I need to update some of the website, incl. the Dec 06 and May 07 event pages for which I have new papers and data. Also I want to know about any new data links I can add; list of events, etc. or ones I should revise. Pls have people email me with their ideas.
- There are a fair no. of events now for which a CME observed by one or both S/C hits one of them as detected in-situ. These form a special class of SWx-type events that give us details on ICME propagation and internal structure characteristics. As such I am planning to have separate pages for them on the website.
- Later this year STEREO-B will be at or around the L5 point, allowing us to test this position for a possible SWx monitor mission with a heliosp. imager. The idea is to view and study CMEs aimed Earthward. One thing we can do is compare say HI views with those from SMEI at Earth. (ST-B also sees over the east solar limb and, eg, can view SEP-producing regions and detect them in situ before they hit Earth.)
- The SSC has running diff HI-2 movies from the regular data stream on the Beacon browse site. These replace the HI-2 Beacon data that are at too low a res. to be useful; of course they are not as quick-look but good enough to be useful.