SECCHI Status

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STEREO SWG

Current Status (1)

- **All 10 telescopes continue to work well**

- **The processor (RAD750) in the SECCHI Electronics Box (both A & B) performs a spontaneous reboot about every 3 months although the latest one occurred only about 1 month after the previous. We continue to monitor this, but so far no "cookie crumbs" were left indicating an error condition and no similarity in ops, etc have been identified.**

- **We have generated a good combination of compression schemes to make the beacon mode images (except for HI-2) quite usable.**

- **Flight Software at V5.06 (was at 5.02 at last SWG)**

  - **Fixed a bug dealing with summing of images**

  - **Added a new capability to the CME detection algorithm to help avoid false alarms due to the debris tracks**

  - **Added a capability to clip the maximum intensities at a fixed level. This enables us to increase the COR2B exposures that have a large "spill" in the south, limiting the exposure.**

Current Status (2)

- **About 7000 images / day on each S/C are being generated. Many summed on board. The processing takes ~10 sec/image => ~70,000 seconds per day**

- **The reprocessing of the images is ongoing to correct some errors in the FITS image headers**

- **HI-B**

  - **The HI-B (1 more than 2) sees a much higher number of replaced pixels in the cosmic-ray scrubbing algorithm.**

  - **Note that HI-B is in the ram direction, and HI-A is anti-ram.**

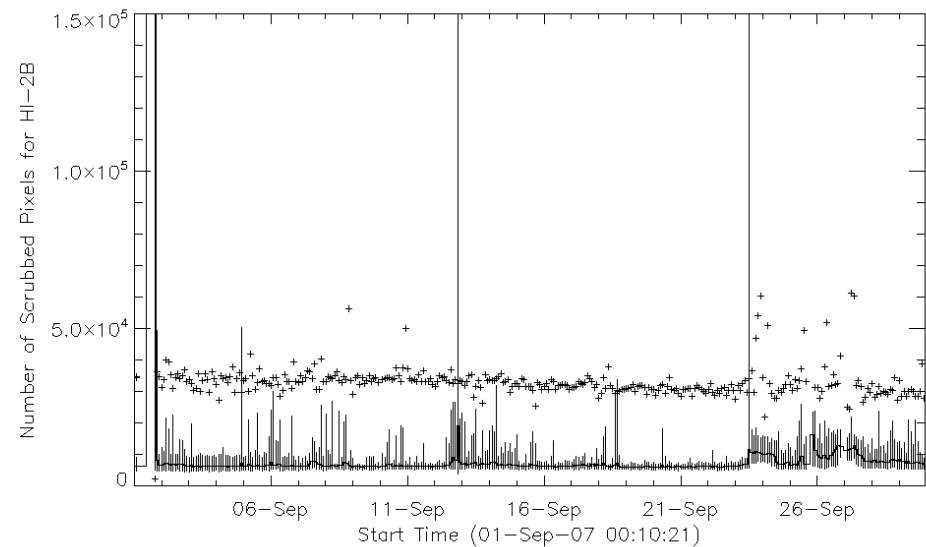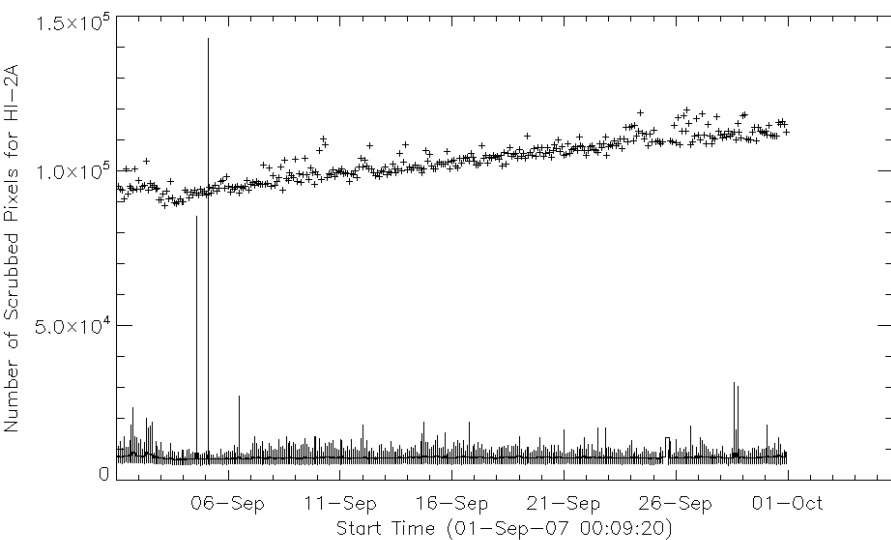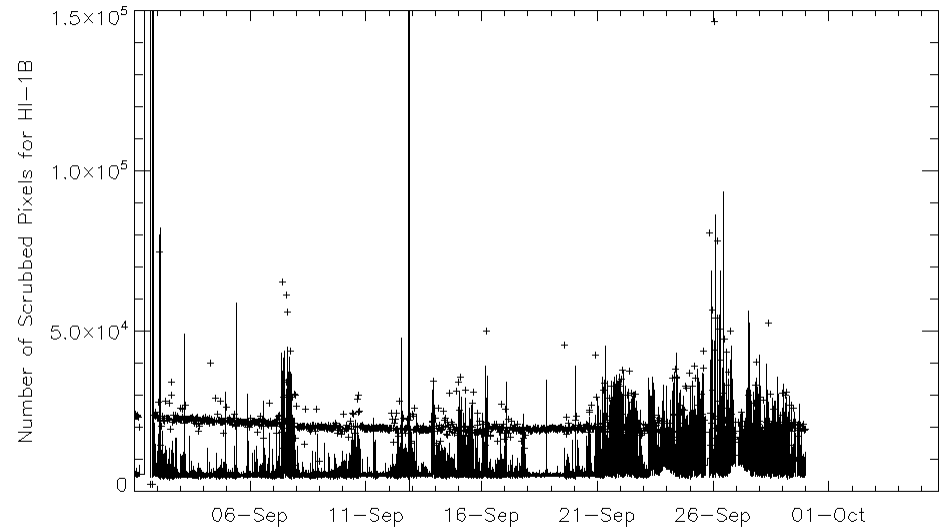 - **Our working hypothesis is that this is due to dust impacts. See paper by StCyr**
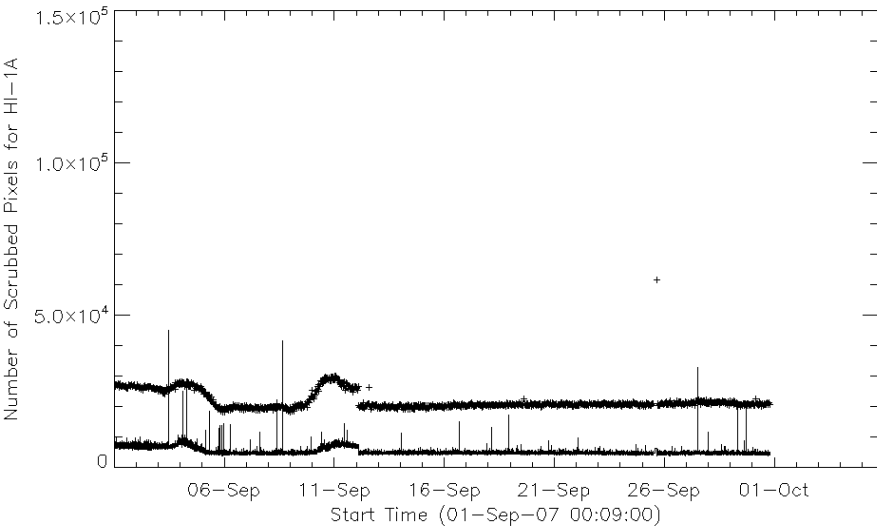
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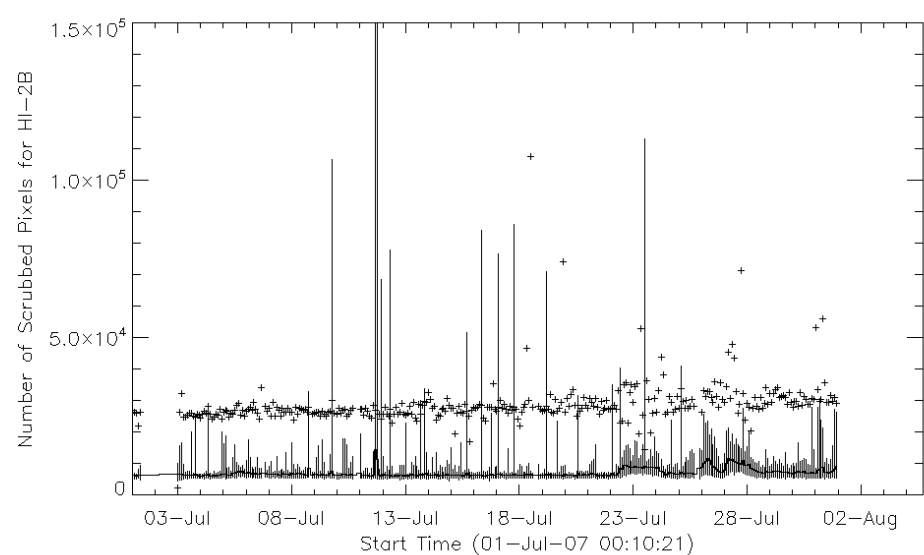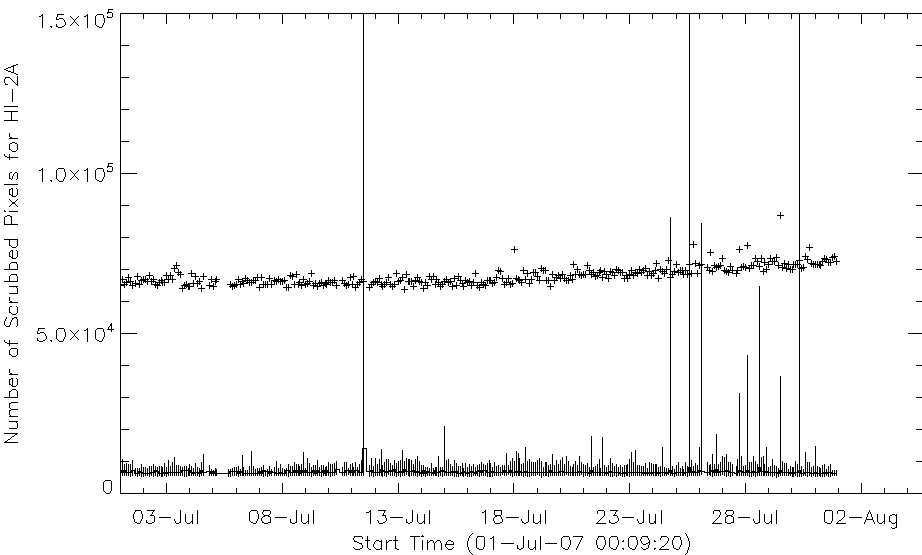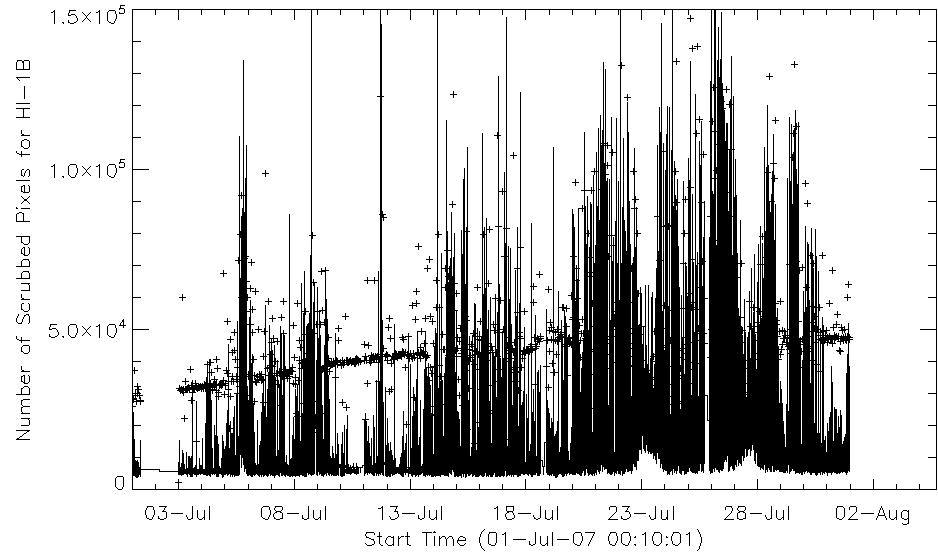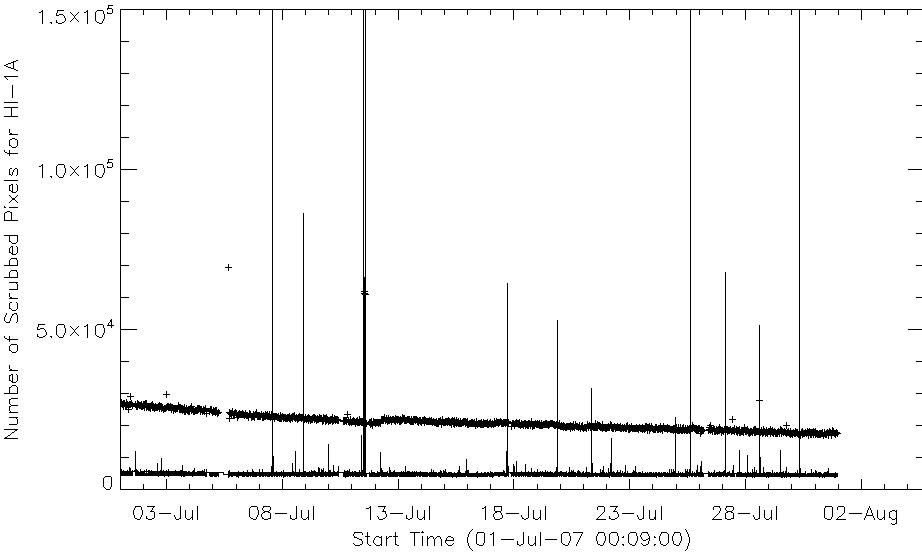
A Spacecraft

B Spacecraft

September 2007

A Spacecraft

B Spacecraft

More Science Status

- **Angelos Vourlidas – More on Comets Encke and Loneas**

- **Spiros Patsourakis – EUV Waves**

- **Angelos Vourlidas – Observations of compression region at CIRs, Sheeley's observation of the compression region ahead of CIRs**

- **Aschwandan – 3D stereo measurements of loops**

- **Plunkett – Evolution of CMEs in Heliossphere**

- **Webb – CME propagation**

- **Boursier – Forward Modeling of CMEs**

- **Plus many papers at AGU**