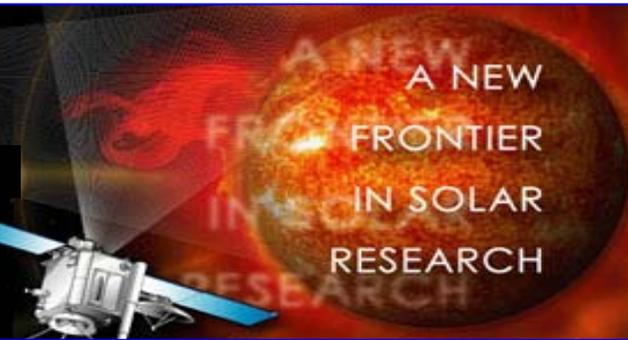




STEREO SWG
March 27th, 2007

UNH • UCB • NRL • Obs. Paris • UMN • JHU/APL • NASA GSFC



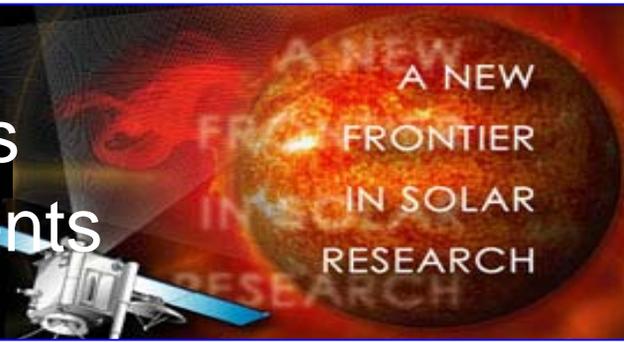
STEREO PROJECT

Ron Denissen – Project Manager
Andy Driesman – System Engineer

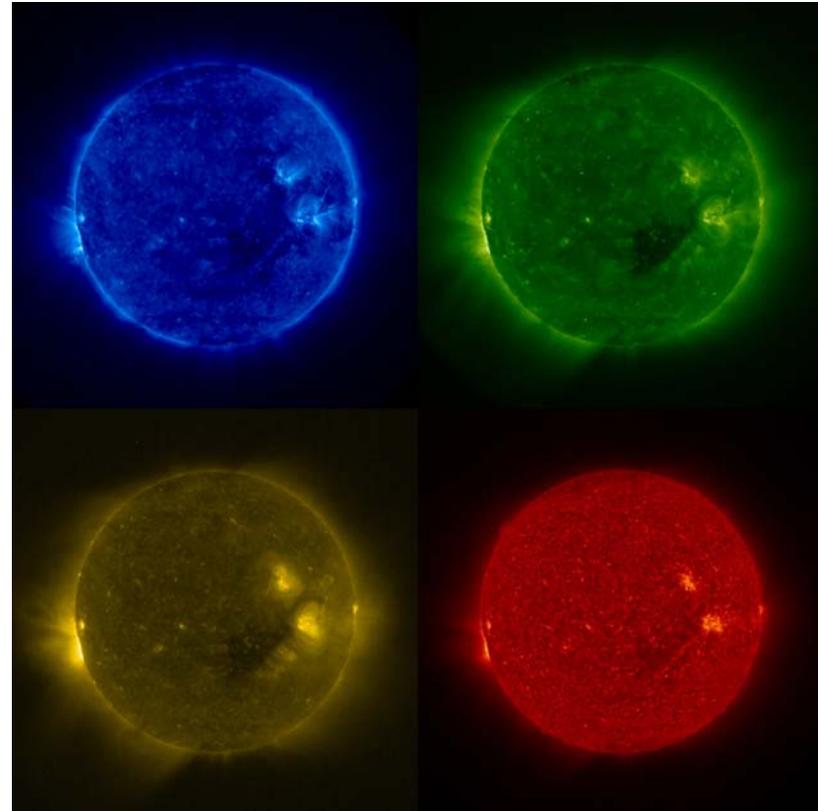


Major Milestones and Accomplishments

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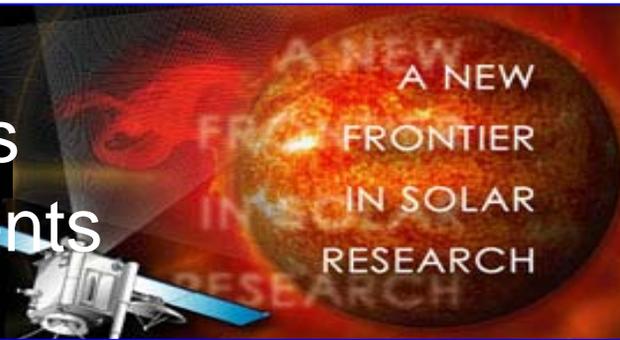
- ❖ Launch – October 25th 2006
- ❖ Observatory “A” Events
 - Performed 3 phasing maneuvers – all nominal – 43.5Kg of propellant remaining (estimated 50 years operation)
 - First light on SECCHI Telescopes – December 4th 2006
 - Opened HI door – December 13th
 - Opened SEPT and SIT doors – December 14th
 - S1 swing-by – December 15th 2006
 - Commissioned HGA – January 8th 2007
 - Start Phase E Operations – January 22nd, 2007
 - HGA Calibration – March 15, 2007
- ❖ Observatory “A” in heliocentric orbit and operating nominally, collecting prime science data on all instruments except STE-U.



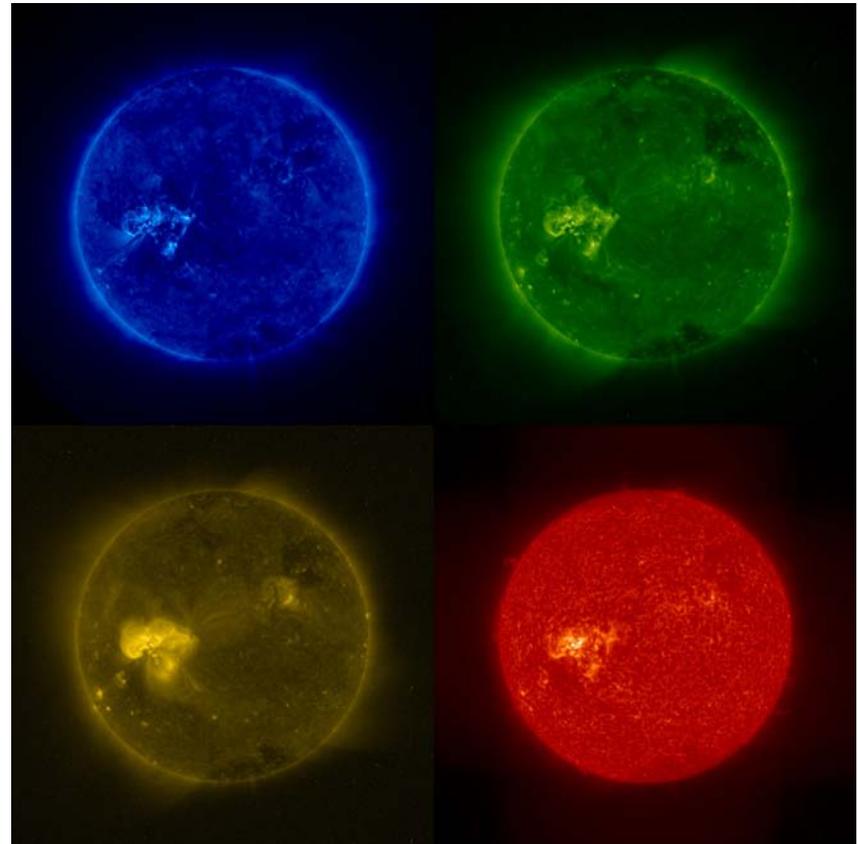


Major Milestones and Accomplishments

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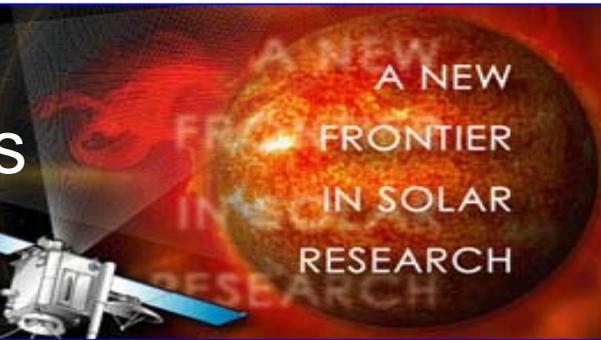
- ❖ Launch – October 25th 2006
- ❖ Observatory “B” Events
 - Performed 6 phasing maneuvers – all nominal – 43.5 Kg of propellant remaining (estimated 50 years operation)
 - S1 swing-by – December 15th 2006
 - First light on SECCHI Telescopes – December 13th
 - Opened HI door – January 11th 2007
 - Opened SEPT and SIT doors – January 17th 2007
 - S2 Swing-by – January 21st 2007
 - Started Phase E Operations – January 22nd, 2007
 - Commissioned HGA – January 31st 2007
 - Lunar Transit – February 25th, 2007
- ❖ Observatory “B” in heliocentric orbit and operating nominally, collecting science data on all instruments except STE-U.





Schedule Milestones

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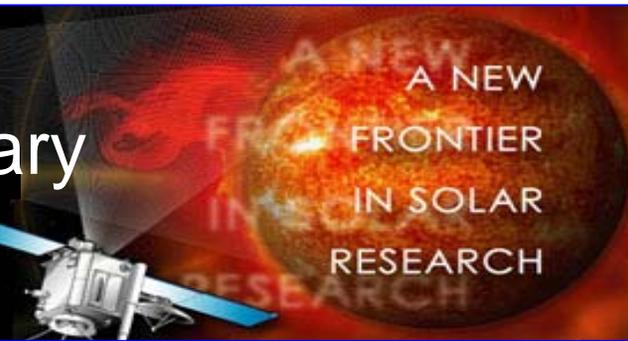


- ❖ HGA “B” calibration April 2, 2007
- ❖ SECCHI Campaign May 4 - 17, 2007
- ❖ Completion 150 days on station ~June 20, 2007
- ❖ SECCHI and Impact Cals As Requested
- ❖ Momentum Dumps ~ every 6 weeks
- ❖ End of Mission Jan 2009



Observatory Summary

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- ❖ Both Observatories are on station and collecting prime science data.
 - *Observatories now ~2.6 degrees apart.*
 - *All sub-systems are nominal.*
 - *Minor software patches have been uploaded with no full software release anticipated at this time.*
 - *Pointing and jitter seem to be well within spec but periods of noise do arise and are being looked into with the help SWAVES and SECCHI.*
 - *All parties involved in data collection are working well together and resolving problems as they arise. Good working relationship with all instrument teams is greatly appreciate.*
 - *Average daily SSR Playback has been ramping up and topped out last week with 7.4 Gbits per day being downloaded on “A” and 9.5 Gbits on “B”.*
 - *The team at APL remains ready and willing to work with the science team to improve operations and observatory functionality in any way possible.*