

# STEREO Project

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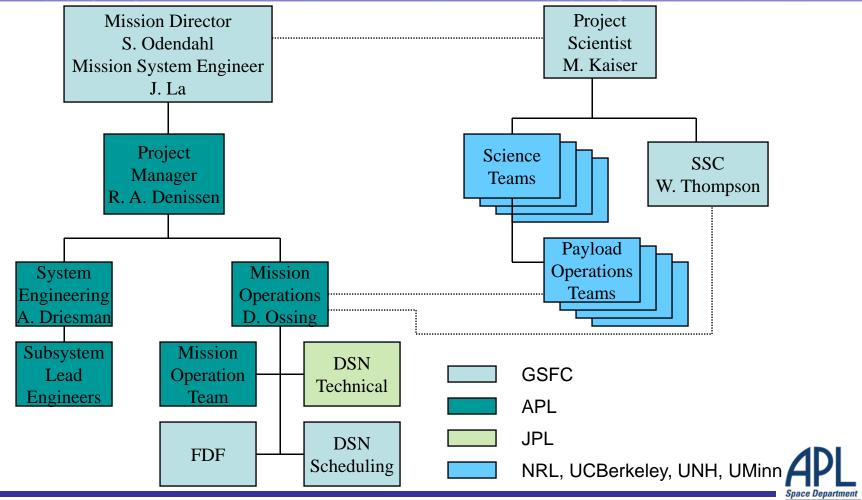




# STEREO Phase E Organization Chart

A NEW
FRONTIER
IN SOLAR
RESEARCH

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





Technical Mar Jan Feb







Feb Mar







# Resources

Jan Feb







**Programmatic** Jan Feb Mar







Detailed Description: (for items identified as yellow or red)

#### Technical

- Both Observatories operational. And collecting prime science data
- ST Anomaly investigation complete. Report due out shortly. Mitigation in place.

#### Schedule

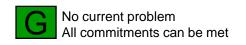
Routine operations – HGA and instrument cals, momentum dumps.

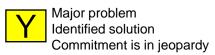
#### Resources

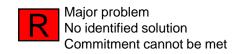
No staffing or funding concerns at this time.

## Programmatic

No issues at this time.











# Mission Operations

- Operations team reduced 7
- MOC is manned 5 days a week, 8 hours a day
- 1 attended track per week on each observatory (more if requested)
- Mission operations center collecting, on average, 7 Gbits per day in support of the prime science mission.

## Special Observatory Events

- 44 instrument calibration events
- 14 High Gain Antenna Calibrations
- 20 Momentum Dumps (~every 6 weeks on ahead, 8 weeks on behind)
- Software Patches and Parameter adjustments to RAM
- Autonomy Rule Changes in RAM and EEPROM







- Transitioned to Phase E January 22<sup>nd</sup>, 2007
- The observatories are in operational mode and about 47 degrees apart.
- No planned G&C or C&DH flight software loads.
- Spacecraft A operating on IMU2 due to failure of the X-gyro in IMU1
- Star Tracker anomaly occurred late December 2007.
- Data rate decrease about August 2008.



