

STEREO IMPACT Technical Progress Report

Harry Culver, Code 740.1
STEREO IMPACT Instrument Manager
Goddard Space Flight Center
Greenbelt, MD. 20771

Subject: IMPACT Monthly Technical Progress Report, Contract NAS5-00133

Harry:

Enclosed is the monthly technical progress report for the STEREO IMPACT project for the month of October 2002. Per our agreement, the bulk of the status report is contained in our CDR presentation now on line at:

<http://sprg.ssl.berkeley.edu/impact/dwc/CDR/Presentation/>

Sincerely,

David Curtis
IMPACT Project Manager
University of California, Berkeley

CC:

Julie.A.Janus.1@gssc.nasa.gov
Debra.G.Dusterwald.1@gssc.nasa.gov
Harry.Culver@gssc.nasa.gov
IMPACT Team

STEREO IMPACT Technical Progress Report

1. IMPACT Overview

This report is presented in sections by institution. Section 1 is an IMPACT Project Manager / System Engineer's overview.

1.1. *Contracting / Funding*

Funding to the end of FY02 is in place. Because of pipe-line delays in the system through to the subcontractors (Caltech and UMD) it is important that IMPACT be funded somewhat in advance of expected spending. We have been recently funded through mid January and are in the process of funding subcontractors to the same date.

1.2. *Significant System-Level Accomplishments*

- Held Boom peer review
- Participated in mission Contamination peer review
- Participated in EMC committee meeting
- Prepared draft CDR presentation

1.3. *System Design Updates*

- None

1.4. *System Outstanding Issues*

- SEPT proton energy threshold not meeting requirement due to extra aluminum deposited to improve stray light rejection. Waiver submitted
- STE radiation source has not been approved yet by Project. Waiver submitted
- Operational heater power budget over allocation. Waiver to allocations submitted.
- Added power for change to less SEU-sensitive RAMs in IDPU. Waiver submitted.
- Power increases due to change in IDPU SRAM and added operational heater requirements require an increase in the NTE budget (this has been agreed to in November).

1.5. *Top 10 Risks*

See CDR presentation

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2. Berkeley Status

See CDR presentation

3. GSFC (SEP) Status

See CDR presentation

4. Kiel (SEPT) Status

See CDR presentation

5. Caltech/JPL (SEP) Status

See CDR presentation

6. SIT MONTHLY TECHNICAL PROGRESS REPORT

See CDR presentation

7. CESR (SWEA) Status

See CDR presentation

8. GSFC (MAG) Status

See CDR presentation

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9. EPO at UCB

Monthly E/PO Report

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Formal Education:

October 26th: STEREO (and other NASA) educational materials were presented to ~ 100 K-12 teachers at two workshops at the California Science Teachers Association (CSTA) annual meeting in San Francisco, CA. Among the materials distributed and shown were the ever popular 3-D posters as well as the Spanish version of the booklet "Our Very Own Star: the Sun."

Public Outreach:

Work has continued on integrating the "Voices of Space" website into the STEREO/IMPACT E/PO website. The new version should be online by December.

AGU Fall Meeting:

The E/PO poster abstract High "IMPACT" STEREO EPO: *Exploiting Opportunities for High Visibility Activities On a Shoestring* has been accepted for presentation at the 2002 Fall Meeting, 6-10 December 2002.

Respectfully Submitted,

STEREO/IMPACT E/PO scientists Nahide Craig and Bryan Méndez