PLASTIC Flight Operations
November 07- April 08

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SWG April 2008
PLASTIC Flight Operations

- **12/6/07**: DOY 340 on SC B
  - Increase MCP voltage to compensate for normal gain changes
  - 3140V $\rightarrow$ 3160V

- **12/20/07**: DOY 355 SC A & B
  - Changed criteria for Supra-thermal to ignore background events
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• Flight Software load 3.2.7
  – SC A: DOY 037 (2/7/08)
  – SC B: DOY 063 (3/3/08)
  – RTLT for A: 6 minutes
  – RTLT for B: 7 minutes
  – Bypassed COP1 command counter to reduce the load time
Software changes

• Included every 10th block of the EEPROM read back which was previously missing
• Corrected timestamp on science data packets
• Momentum dumps have gone smoothly—DPU has been disabling and enabling high voltages on Entrance System as necessary.

• Gain on MCP is changing more slowly since initial scrubbing and is stable.

• We are using SECCHI roll calibration data for our own calibration purposes.
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• SC A: DOY 104 (04/13/08)
  – At 11:58 UT PLASTIC reset
PAC VM (V)
PAC CM (mA)
MCP VM (V)
MCP CM (mA)
SSD VM (V)
SSD HV BIAS (V)
SSD POS ANALOG (V)
SSD NEG ANALOG (V)
SSD V POS DIG (V)

11:58 UT
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• SC A: DOY 105
  – Start turning on HV’s

• SC A: DOY 106-108
  – Continue stepping up HV’s

• SC A: DOY 108
  – Start data collection
SSD Temperatures
SSD Temperatures since launch SC B

- ~6 degree temperature change since Nov ‘06
- Delta distance to Sun: 0.1 AU
ACE Temperatures

- Increase in temperature is due to the degradation of the thermal blanket and not the solar cycle
SSD Temperatures since launch SC A

- ~11 degree temperature change since Nov ‘06
- Since January 2007 Delta distance to Sun 0.01 AU
- Exterior radiator
Any questions?