CRaTER Pre-Environmental Review (I-PER)

Spacecraft Interfaces
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September 10-11, 2007
**ICD Status**

- **Data ICD**
  - Needs revision to pick up LSword -> MSword swap in Secondary Science telemetry posting of Discriminator Mask; ECO Board 3/19/07
  - 431-ICD-000104, Rev B of March 30, 2007

- **Electrical ICD**
  - Current

- **Mechanical ICD**
  - Current
  - 431-ICD-000085, Rev A of July 17, 2006

- **Mechanical Interface Drawing**
  - Needs revision to pick up changes required by TPS attachment
  - Needs outline dimensions of thermal blanket; ECO Board 3/26/07
  - 32-02003.02, Rev C of June 8, 2006

- **Thermal ICD**
  - Current
Simulators, etc.

- First instrument electrical simulator check at Goddard in December 2006
  - no problems
- Delivered electrical simulator (CRaTER SN 11) in June 2006
  - no problems
  - verified R/T data flow from Goddard to MIT for housekeeping and secondary science packets
- Delivered mass simulator to Goddard in January 2007
  - verified mounting interface
- Received thermal blanket template from Goddard in July 2007
  - used template to locate posts for blanket attach