



CRaTER Pre-Environmental Review
(I-PER)

Spacecraft Interfaces
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September 10-11, 2007

Cosmic RAY Telescope for the Effects of Radiation



THE AEROSPACE
CORPORATION



ICD Status

- Data ICD 431-ICD-000104, Rev B of March 30, 2007
 - Needs revision to pick up LSword -> MSword swap in Secondary Science telemetry posting of Discriminator Mask; ECO Board 3/19/07
- Electrical ICD 431-ICD-000094, Rev B of January 17, 2007
 - *Current*
- Mechanical ICD 431-ICD-000085, Rev A of July 17, 2006
 - *Current*
- Mechanical Interface Drawing 32-02003.02, Rev C of June 8, 2006
 - Needs revision to pick up changes required by TPS attachment
 - Needs outline dimensions of thermal blanket; ECO Board 3/26/07
- Thermal ICD 431-ICD-000118, Rev B of January 11, 2007
 - *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