PFR-119   Title: BAU IDPU current draw readback incorrect

Assembly : ETU BAU	SubAssembly : PCM	
Component : ITOS Conversions	Units Affected:	Units fixed:
Originator: Ellen Taylor	– – – – – –	– – – – – –
Organization: Swales/UCB	Date: 11/30/05	
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Failure Occurred During (Check one √)

√ Functional test   □ Qualification test □ S/C Integration □ Launch operations □ Other (Flight Assy)

Environment when failure occurred:

√ Ambient	□ Vibration	□ Shock	□ Acoustic
□ Thermal	□ Vacuum	□ Thermal-Vacuum	□ EMI/EMC

Problem Description

During the P2 Probe post-ship Aliveness Test on 11/30/05, the IDPU current monitor read incorrectly on the Swales delivered EGSE ITOS machine (xenon). The UCB ITOS machines had the correct conversion, indicating a difference in the ITOS databases.

Analyses Performed to Determine Cause

The Aliveness Test was done with the EDU BAU. The flight BAU has the correct conversion.

Corrective Action/ Resolution

This PFR was closed per THM-MINT-PROC-101 F2 PFR Close-out Procedure on 3/2/06. The IDPU and Instruments were turned on one at a time (providing 5 points from ~220mA to 500mA). The current readback from the BAU and the IDPU BAU reported telemetry was compared against expected values.

Acceptance:
MAM: Ron Jackson_____; MSE: Ellen Taylor_____

PM: Peter Harvey_____; Cognizant Engineer_____

Date of Closure_____