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**PFR-213 Title: ESA APID 459 data all zeros**

<b>Assembly :</b> ESA	<b>SubAssembly :</b> ITOS scripts											
<b>Component :</b>	<b>Units Affected:</b>						<b>Units fixed:</b>					
<b>Originator:</b> Ellen Taylor	x	-	-	-	x	-	x	-	-	-	x	-
<b>Organization:</b> UCB	<b>Date:</b> 8/4/06 (date found)											
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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

<b>Problem Description</b>
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Analysis of ESA data during the first couple cycles of the F1/5 TVac test showed that all the data in APID 459 were zeros.

<b>Analyses Performed to Determine Cause</b>
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The most likely cause of the problem was determined to be either a problem with the ETC table load, or the ITOS ETC initialization script. Careful review of the raw hex commands being sent in the ETC init script showed that one of the commands was incorrect.

<b>Corrective Action/ Resolution</b>
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The incorrect command was changed in the ITOS IESA\_ETC\_INIT script (changed /IDPURAWHEX 3A3400 to /IDPURAWHEX 3A4000) and re-run. All subsequent ESA testing showed no issue with the APID 459 data.

Acceptance:

MAM: Ron Jackson \_\_\_\_\_; MSE: Ellen Taylor \_\_\_\_\_

PM: Peter Harvey \_\_\_\_\_; Cognizant Engineer \_\_\_\_\_

Date of Closure \_\_\_\_\_