

## ACIS Verification Summary Report

**Specification:** ACIS Contract End Item Specification

**Requirement Number/Title:** 3.7.2.2 Control Elements (VRSD 3.7.2.2)

**Requirement Statement:** The instrument TCS shall provide thermal control for all thermally sensitive components.

**Verification Method:** *Test*

**Procedure Number:** *MIT 36-01306, Rev.'s B and C*

**Configuration:** *Rev. B documents ACIS TV Test #1.  
Rev. C documents ACIS TV Test #2.*

**Cycle Time:** *ACIS TV Test #1 : 3 weeks, TV Test #2 : 1 week*

**Verification Discussion/Results:**

*MIT Verification Report 36-01510.086 documents ACIS TV Tests #1 and #2. Both tests demonstrated the ability of the TCS to control the FP temperature over a range from -120C to +63C. The TCS controlled the DH at its operating temperature of  $-60 \pm 1C$  and its bakeout temperature of  $+25 \pm 3C$ .*

*Thermal control of the DEA, DPA and PSMC will be verified at the ISIM TV/TB Test, using heaters controlled by <sup>the</sup> BTU box.*

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*5/15/97*  
Date