

**ACIS Verification Summary Report**

<b>Specification:</b>	ACIS Contract End Item Specification
<b>Requirement Number/Title:</b>	3.7.2.2.2 ACIS Focal Plane Control (VRSD 3.7.2.2.2-2)
<b>Requirement Statement:</b> For bakeout purposes, the ACIS TCS shall be capable of raising the on-orbit Focal Plane temperature to $25 \pm 3^\circ \text{C}$ for 48 hrs.	
<b>Verification Method:</b>	<i>Test</i>
<b>Procedure Number:</b> <i>MIT 36-01306, Rev's B and C</i>	
<b>Configuration:</b> <i>Rev. B documents ACIS TV Test #1, with the flight ACIS except for the EU DH and flight-like XRCF FP. Rev. C documents ACIS TV Test #2 with the flight DH and FP. Both tests included flight radiators, cold straps and PSMC.</i>	
<b>Cycle Time:</b> <i>Rev. B bakeout time: 68 hrs., Rev C bakeout: 3 hrs.</i>	
<b>Verification Discussion/Results:</b>	
<p><i>MIT Verification Report 36-01510.086 documents ACIS TV Tests #1 and #2. During Test #1, the flight-like FP was heated above +25C for 68 hours while the ACIS radiators were cooled by the LN2 shroud. During Test #2, the flight FP was heated above +25C for 3 hours with the ACIS radiators cooled by LN2.</i></p>	
<p><i>Ellen M Sen</i> <u>5/15/97</u>  ACIS Cognizant Engineer Date</p>	
1	