

ACIS Verification Summary Report

Specification:	ACIS Contract End Item Specification
Requirement Number/Title:	3.7.2.2.1 ACIS Detector Housing Control (VRSD 3.7.2.2.1-1)
Requirement Statement: The ACIS Detector Housing shall be actively controlled to $-60 \pm 1^\circ \text{C}$ during normal ACIS operation.	
Verification Method:	Test
Procedure Number:	MIT 36-01306, Rev. C, ACIS Thermal Vacuum Test Procedure
Configuration:	The ACIS Flight Unit (FU) Detector Housing was tested under vacuum conditions at the Lincoln Labs with the flight PSMC, focal plane and radiators, as well as flight DEA/DPA/Support Structure. The radiators were cooled by an LN2 shroud.
Cycle Time:	6 days
Verification Discussion/Results:	
<p>The ACIS flight instrument was operated in a thermal vacuum chamber at hot and cold protoflight conditions. MIT Verification Report 36-01510.086 contains log sheets showing that the DH temperature was maintained at $-60 \pm 1\text{C}$ for hot and cold protoflight conditions.</p>	

Ellen M. Sen
ACIS Cognizant Engineer

5/13/97
Date