

ACIS Verification Summary Report

Specification:	ACIS Contract End Item Specification
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Requirement Number/Title:	3.3.3.1.1.3 Cable Shielding
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Requirement Statement: All ACIS electrical wiring not contained within an electrically conductive enclosure shall be shielded in accordance with paragraph 3.5.2.3 of the Observatory to Science Instrument ICD where possible.

Verification Method:	Validation of Records
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Procedure Number:

Configuration:

Cycle Time:

Verification Discussion/Results:

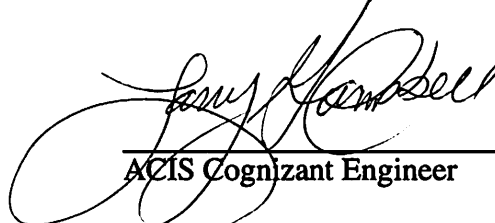
External ACIS wiring cables and harnesses are designed to be shielded in accordance with paragraph 3.5.2.3 of the Observatory to Science Instrument ICD. This requirement is stated on the cable harness assembly drawings and the assembly traveler. The assembly drawings are reviewed for compliance with requirements before the drawings are released into the configuration control system. Cable harness assemblies are inspected during fabrication for compliance with applicable requirements. After assembly is completed, as part of the final inspection, the work order traveler is reviewed to insure that all materials are correct and all assembly operations and inspections are completed and signed by the responsible person(s).

Brian Klatt
ACIS Cognizant Engineer

5/15/97
Date

ACIS Verification Summary Report

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Requirement Number/Title:	3.3.3.1.1.3 Cable Shielding
Requirement Statement: All ACIS electrical wiring not contained within an electrically conductive enclosure shall be shielded in accordance with paragraph 3.5.2.3 of the Observatory to Science Instrument ICD where possible.	
Verification Method:	Review of Design
Procedure Number:	
Configuration:	
Cycle Time:	
Verification Discussion/Results:	
Supplement to 36-01510.135 previously submitted by MIT	
<p>The W1 and W2 PTS harnesses are overbraid shielded between the origin at the PSMC to the DEA, DPA and Venting Subsystem. Wiring to the Detector Assembly external surfaces exit the W1 and W2 overbraid shielding after connection to the Venting Subsystem. These wires are contained within the Support Structure which is an electrically conductive enclosure. Except for shielding of Housing Heater thermistor wires, all shielding is circumferentially terminated at the connector backshells in accordance with the requirements of ICD IF1-20. Housing Heater thermistor wire shields are circumferentially terminated at the PSMC, only, to accommodate thermal leakage requirements for the housing.</p>	



 ACIS Cognizant Engineer

5/30/97

Date