

ACIS Verification Summary Report

Specification:	AXAF Observatory to Science Instrument ICD (IF1-20)
Requirement Number/Title:	3.3.1.1.1.4.1 ACIS Telescope Shade and Sun Shade Thermal Interfaces for On-Orbit Operation (VRSD 3.3.1.1.1.4.1)
Requirement Statement: For telescope and sun shade thermal analysis the bolted interface conductance for each of the bolt interfaces with the SIM shall be assumed to be ≤ 1.5 Watts/ $^{\circ}$ C.	
Verification Method:	Analysis
Procedure Number: N/A	
Configuration: ACIS Instrument Installed in ISIM	
Cycle Time: N/A	
Verification Discussion/Results:	
<p>The conductance specified was accounted for in all hot and cold case thermal analyses. Due to the low conductivity of the facesheets in the shade panels, the value of the conductance does not have a significant effect on the predicted temperatures for the focal plane and detector housing. Therefore the requirements of paragraph 3.3.1.1.1.4.1 have been satisfied by analysis.</p>	

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5/29/97
Date