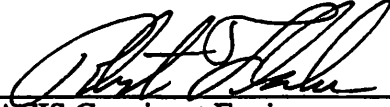


## ACIS Verification Summary Report

Specification:	ACIS Contract End Item Specification
Requirement Number/Title:	3.7.4.5.1 Failure Propagation (VRSD 3.7.4.5.1)
Requirement Statement: No electrical failure shall cause propagation beyond the instrument-to-observatory interface.	
Verification Method:	ANALYSIS
Procedure Number:	N/A
Configuration:	FLIGHT INSTRUMENT.
Cycle Time:	
Verification Discussion/Results:	
<p>THERE ARE TWO TYPES OF ELECTRICAL INTERFACES WITH THE OBSERVATORY, POWER &amp; SIGNAL. POWER FAULTS ARE PROTECTED BY OBSERVATORY-PROVIDED FUSES FROM PROPAGATION,</p> <p>SIGNAL FAULTS ARE HANDLED BY MEETING THE REQUIREMENTS OF ¶ 3.6.5 "CCDM/SI INTERFACE REQ" OF THE OBSERVATORY-TO-INSTRUMENT ICD; THIS COVERS BOTH CIRCUIT IMPLEMENTATION AND SI-GENERATED FAULT VOLTAGES -- eg TABLE 3.6.5-4.</p> <p>THE CIRCUIT IMPLEMENTATION IS VERIFIED BY INSPECTION OF RERUNDS/SCHEMATICS. THE FAULT VOLTAGES ARE CONTAINED BY OVERVOLTAGE PROTECTION BUILT INTO THE PSML (TRIP POINTS SET AT APPROXIMATELY 120% OF NOMINAL OUTPUT).</p>	

  
 ACIS Cognizant Engineer

5/27/97  
 Date