

# ACIS Verification Summary Report

**Specification:**

AXAF Observatory to Science Instrument ICD (IF1-20)

**Requirement Number/Title:**

3.9.3.1.1 Interface Testing at SI Facility (VRSD 3.9.3.1.1-2)

**Requirement Statement:** All interfaces between ACIS and EGSE shall be identical to Observatory to ACIS I/Fs.

**Verification Method:**

*DEMONSTRATION*

**Procedure Number:**

*36-01301.02 AS PART OF 36-01306, etc.*

**Configuration:**

*VARIOUS CONFIGURATIONS USED TO SUPPORT FUNCTIONS ASSOCIATED WITH VIBRATION & THERMAL-VACUUM TESTING.*

**Cycle Time:**

## Verification Discussion/Results:

*AS DISCUSSED YEARS AGO WITH MSFL AND TRW, THE SERIAL DIGITAL COMMAND AND TELEMETRY INTERFACES BETWEEN THE RCTD AND ACIS ARE TOO NOISE SENSITIVE FOR GENERAL LABORATORY USE. THE ACIS EGSE, THEREFORE, WAS INTENTIONALLY DESIGNED TO FUNCTION UNDER DURSS THAN IS PRESENT IN THE FLIGHT ENVIRONMENT, AND IT WAS THESE DESIGNS WHICH WERE USED TO SUPPORT ENVIRONMENTAL TESTING.*

ACIS Cognizant Engineer

*5/27/97*  
Date