

ACIS Verification Summary Report

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| Specification: | ACIS Contract End Item Specification |
| Requirement Number/Title: | 3.7.2.1 Heaters (VRSD 3.7.2.1) |
| Requirement Statement: The instrument TCS shall be primarily passive. However, heaters may be used where it can be demonstrated that thermal requirements cannot be totally met by passive techniques alone. | |
| Verification Method: | Test and Analysis |
| Procedure Number: MIT36-01306, Rev.'s B and C | |
| Configuration: Rev. B documents ACIS TV Test #1. Rev. C documents ACIS TV Test #2. | |
| Cycle Time: ACIS TV Test #1 : 3 weeks, TV Test #2 : 1 week | |
| <p style="text-align: center;">Verification Discussion/Results:</p> <p>MIT Verification Report 36-01510.086 documents ACIS TV Tests #1 and #2.</p> <p>The DH operational /bakeout heater controlled the DH to its operational and bakeout temperatures during ACIS TV Tests #1 and #2 (Reference MIT verification reports 36-01510.210 and 36-01510.211).</p> <p>The FP operational and bakeout heaters controlled the FP temperature over a range of -120C to +63C during ACIS TV Test #1 (Reference MIT verification report 36-01510.209). Analysis shows that the FP heaters will control the FP to $-120 \pm 1C$ on-orbit (Reference LMA Report ACIS-600-A-05VR).</p> | |

Ellen M. Sen 5/15/97

 ACIS Cognizant Engineer Date