

STEREO IMPACT

PROBLEM REPORT

PR-1018
SIT HVPS FM2
Aug 25,2004

PR Numbers: 1xxx=UCB, 2xxx=Caltech/JPL, 3xxx=UMd, 4xxx=GSFC/SEP, 5xxx=GSFC/Mag,
6xxx=CESR, 7xxx=Keil, 8xxx=ESTEC, 9xxx=MPAe

Assembly : SIT HVPS FM2	SubAssembly : SIT
Component/Part Number:	Serial Number: FM2
Originator: Peter Berg	Organization: UC Berkeley
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Failure Occurred During (Check one)

Assembly Functional test Qualification test S/C Integration Launch operations

Environment when failure occurred:

Ambient Vibration Shock Acoustic
 Thermal Vacuum Thermal-Vacuum EMI/EMC

Problem Description

While assembling the unit, apparent separation of the multiplier stack at one of the tap points was noticed by the technician.

Analyses Performed to Determine Cause

Microscopic investigation determined the stack was fractured at the point of the tap wire exit. This was most likely caused by excessive manipulation of tap wire during assembly.

Corrective Action/ Resolution

Rework Repair Use As Is Scrap

Bake unit at 93 C for ten minutes to facilitate removal of stack.

Remove stack.

Replace stack with spare. Manipulate tap wires sparingly.

Date Action Taken: August 25, 2004 **Retest Results:** _____

Corrective Action Required/Performed on other Units Serial Number(s): _____

Closure Approvals

Subsystem Lead: _____ Date: _____
IMPACT Project Manager: _____ Date: _____
IMPACT QA: _____ Date: _____
NASA IMPACT Instrument Manager: _____ Date: _____

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