

# SSTD Outgoing Inspection Report

Spacecraft/Project    HERSCHELL/SPIRE

Document Number    SPIRE-RAL-REP- 002686

Issue    1

Sub System    DPU

Date    12th July 2006

Model    AVM 1

## OUTGOING INSPECTION REPORT

FROM
Project Rutherford Appleton Laboratory Space Science and Technology Department Chilton DIDCOT OXON OX11 0QX

TO
<b>IFSI</b> Renato Orfei, IFSI-INAF, Area Ricerca CNR Tor Vergata, Via Fosso del Cavaliere, 100, 00133- Roma, Italy

Applicable sections	
Containers	Yes
External Visual Inspection	Yes
External Connector	Yes
Documentation	No
Verification of Interfacs	No
Extra Comments Sheets	Yes

Drawings / Documents Attached
Photos

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME
Eric Clark (PA)

DATE
12th July 2006

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## CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions		Checked
Security / Locking Fitted		Checked
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	Returned in AVM2 delivery Case	

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required		Checked
Mounting provisions secure		Checked
Any additional Comments	Drop & Tell 10g & 25g monitors reset see photo	See Remarks

ENVIORNMENTAL MONITORS					
<u>Temp Monitors</u>		<u>Humidity Monitors</u>		<u>Shock Sensors Triggerd Information</u>	
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="No"/>	5g	10g
Condition:	<input type="text"/>	Condition:	<input type="text"/>	15g	25g
				50g	
				X Axis	
				Y Axis	
				Z Axis	

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**INSTRUMENT VISUAL INSPECTION**

CHECK LIST	REMARKS	RESULTS
Contents against shipping list	DPU only	Correct
All closure procedures		Correct
Instrument label		Correct
Note status of external contamination		Acceptable
Degradation of paintwork or Coating?		Acceptable
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?		None
Double bagged?	Not a Flight Item cleanliness is not an issue so only single Bag used.	See Remarks
Additional Comments		None

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**INSPECTION OF ALL CONNECTORS**

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		Pass
Damaged Sockets		None
Internal Debris		None
Connector Covers fitted		None
Connector Savers Fitted		None
EMC Covers Fitted	Two 15way connector covers fitted the rest were not	See remark
RED Tag Item / Green Tag Items fitted		None
Additional Comments		None

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## DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		N/A
Transportaion Documents		Yes
Packing un- Packing instructions		N/A
Additional Comments	Copy of Outgoing inspection report included with instrument.	See Remarks

## Verification of Interfaces

**Mechanical interface:** dimensions specified in the interface control documents such as mass, flatness of surfaces, location of fixing holes and overall dimensions should be measured accurately and recorded. Record Test Report Number, or confirm that measurement result is included in delivery documentation, (EIDP).

**INSPECTION / TEST REPORT NUMBER**  **CHECKED**

**Electrical interfaces:** verifying the location and types of connectors against interface control document is normally carried as part of mechanical verification, confirm this has been done. Functional testing: final functional test report number should be noted.

**INSPECTION / TEST REPORT NUMBER**  **CHECKED**

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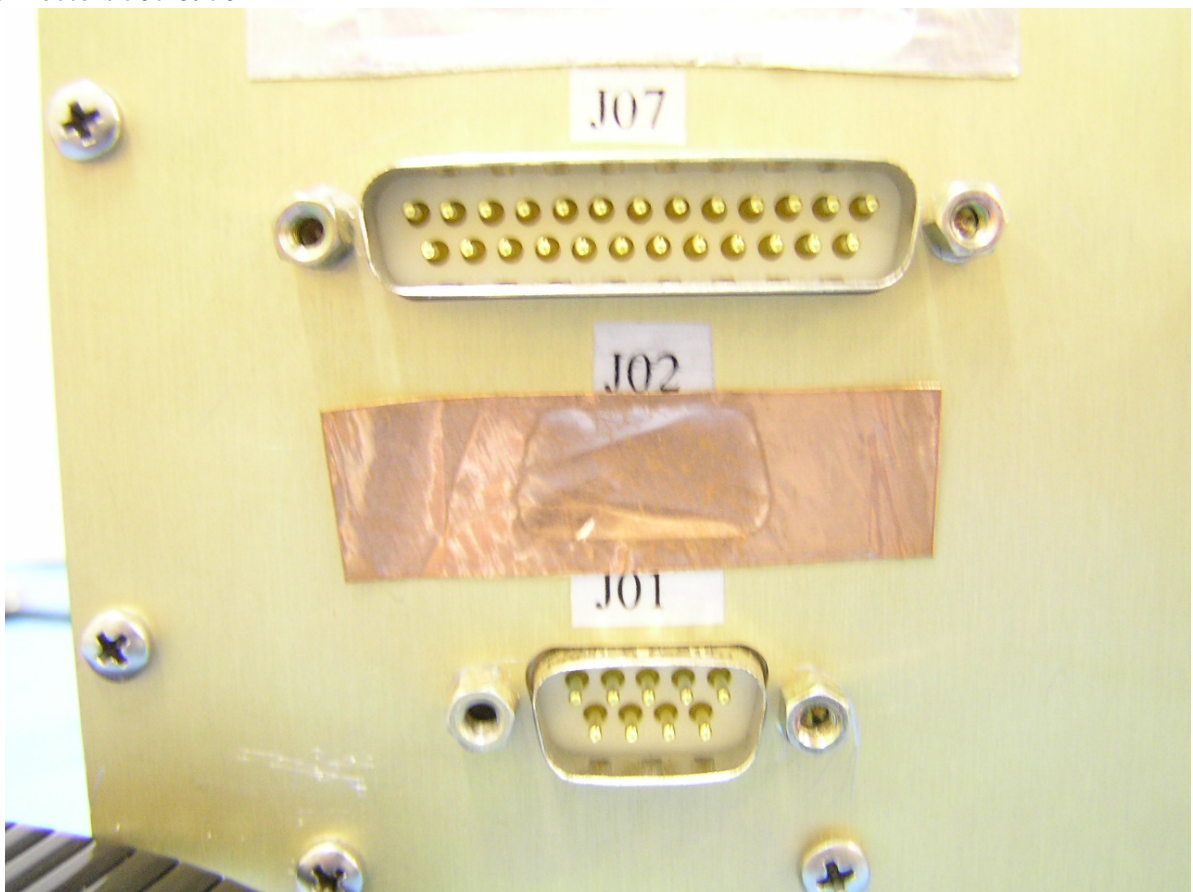
**EXTRA COMMENT SHEET**

Remote Reset operation lead returned with AVM1 DPU

Top of AVM 1 DPU



Connectors J07 & J01

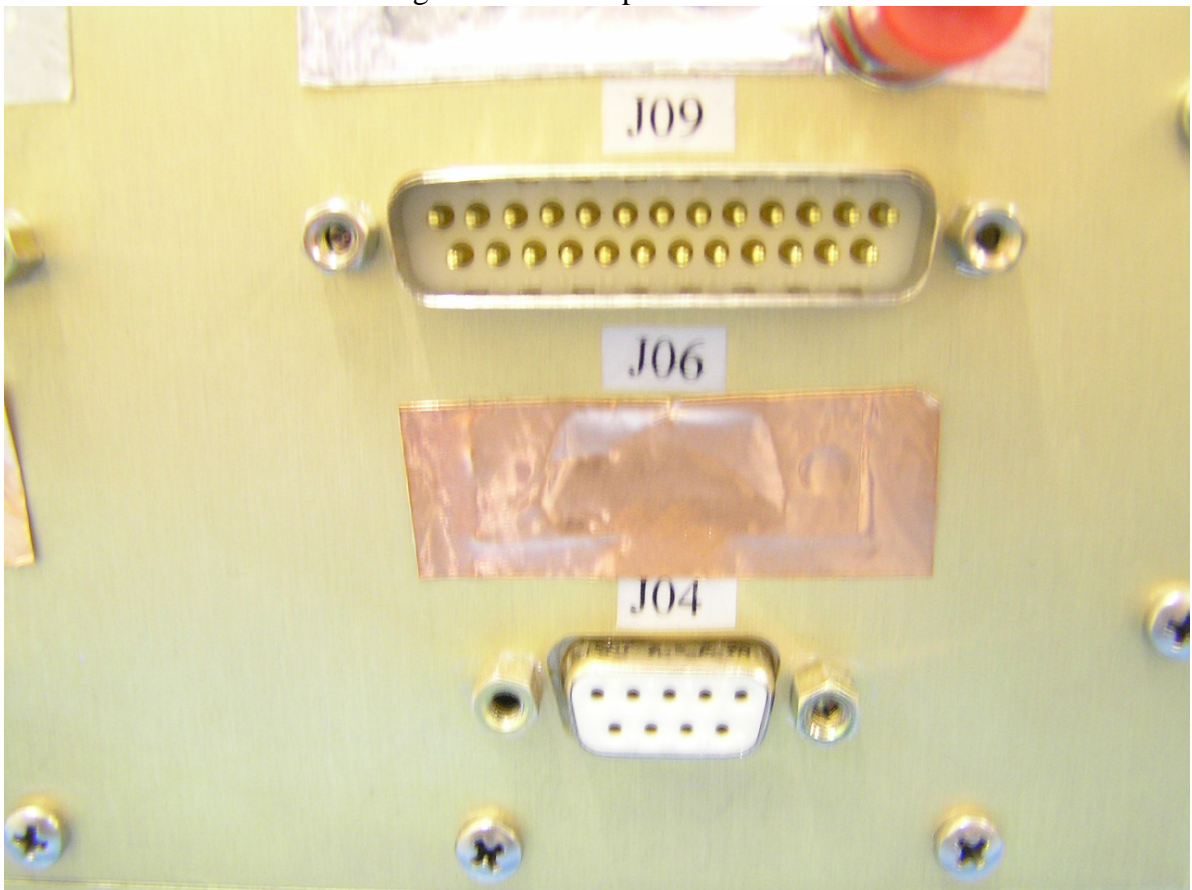




Connectors J08 & J03

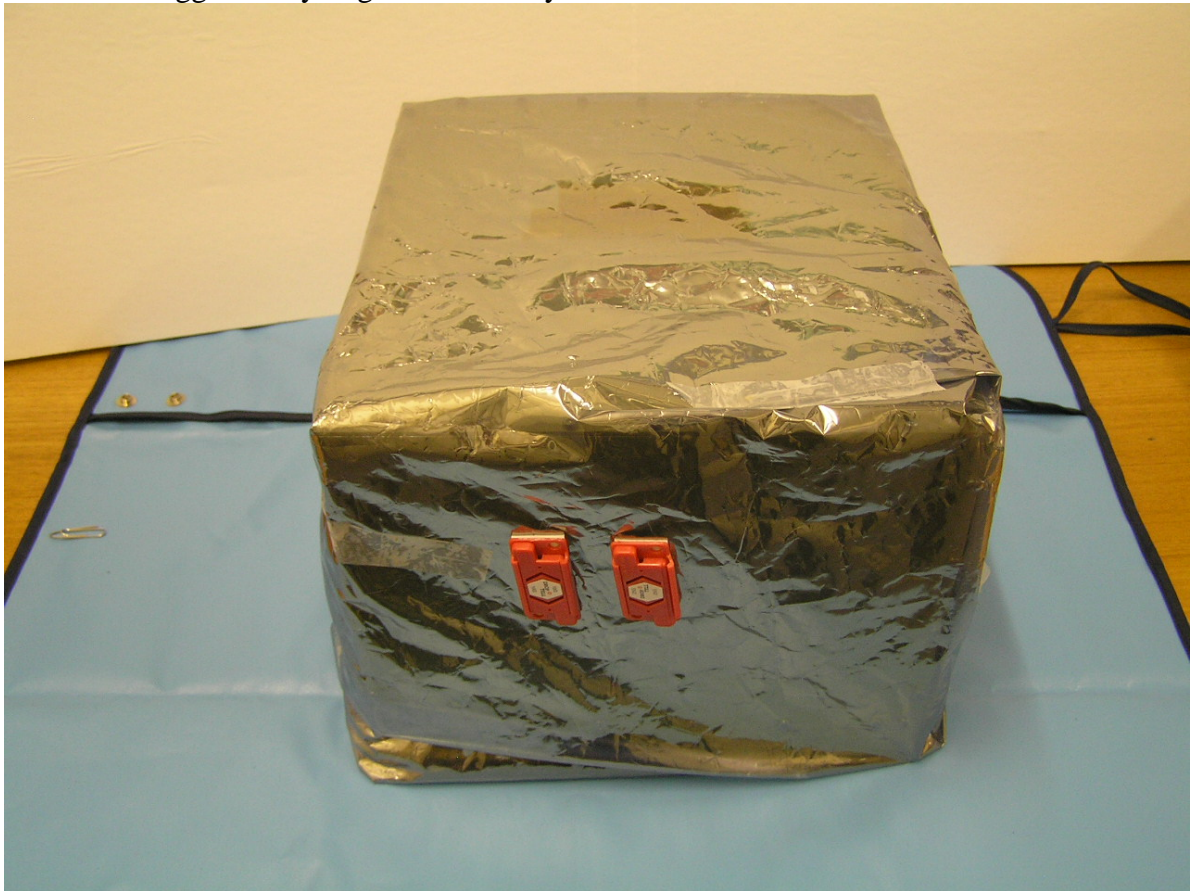


Connectors J09 & J04 also showing Manual Reset push button.





AVM1 DPU Bagged ready to go into delivery case.



Close up of 10g and 25g Drop & Tell Monitors, reset (not Tripped)

