

# SSTD Outgoing Inspection Report

Spacecraft/Project    **HERSCHELL/SPIRE**

Document Number    **SPIRE-RAL-REP- 003080**

Issue    **1**

Sub System    **DPU**

Date    **28-Mar-08**

Model    **AVM 1**

## OUTGOING INSPECTION REPORT

FROM
<p><b>Project</b>  Rutherford Appleton Laboratory  Space Science and Technology Department  Chilton  DIDCOT  OXON  OX11 0QX</p>

TO
<p><b>THALES- ALENIA</b>  Salvatore Sferlazza  Thales-Alenia-Space Italy  Strada Antica di Collegno, 253  10146 Torino  ITALY</p>

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

Drawings / Documents Attached
Photos

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME
Dion Dawson (PA)

DATE
28/03/2008

NAME
Eric Sawyer

DATE
28/03/2008

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## CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions	The DPU was packed into the same box as the computer support hardware.	Checked
Security / Locking Fitted		None
Markings for destination and description	Not checked during this inspection	See Remarks
Warning labels relating to handling lifting and stacking limits	Not checked during this inspection	See Remarks
Any additional Comments		None

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		N/A
Internal padding / packaging required	DPU wrapped in a single ESD pink bag	Checked
Mounting provisions secure		N/A
Any additional Comments		N/A

ENVIROMENTAL 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	15g
Condition:	<input type="text"/>	Condition:	<input type="text"/>	25g	50g	
				X Axis		
				Y Axis	OK	
				Z Axis		

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**INSTRUMENT VISUAL INSPECTION**

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		N/A
All closure procedures	N/A	See Remarks
Instrument label		Acceptable
Note status of external contamination	Acceptable as not destined for cleanroom use	See Remarks
Degradation of paintwork or Coating?		N/A
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?		N/A
Double bagged?		N/A
Additional Comments		N/A

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**INSPECTION OF ALL CONNECTORS**

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		Pass
Damaged Sockets		None
Internal Debris		N/A
Connector Covers fitted	Black ESD covers fitted	See remark
Connector Savers Fitted		None
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments		N/A

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## DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		N/A
Transportaion Documents		N/A
Packing un- Packing instructions		N/A
Additional Comments		N/A

## 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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<b>EXTRA COMMENT SHEET</b>
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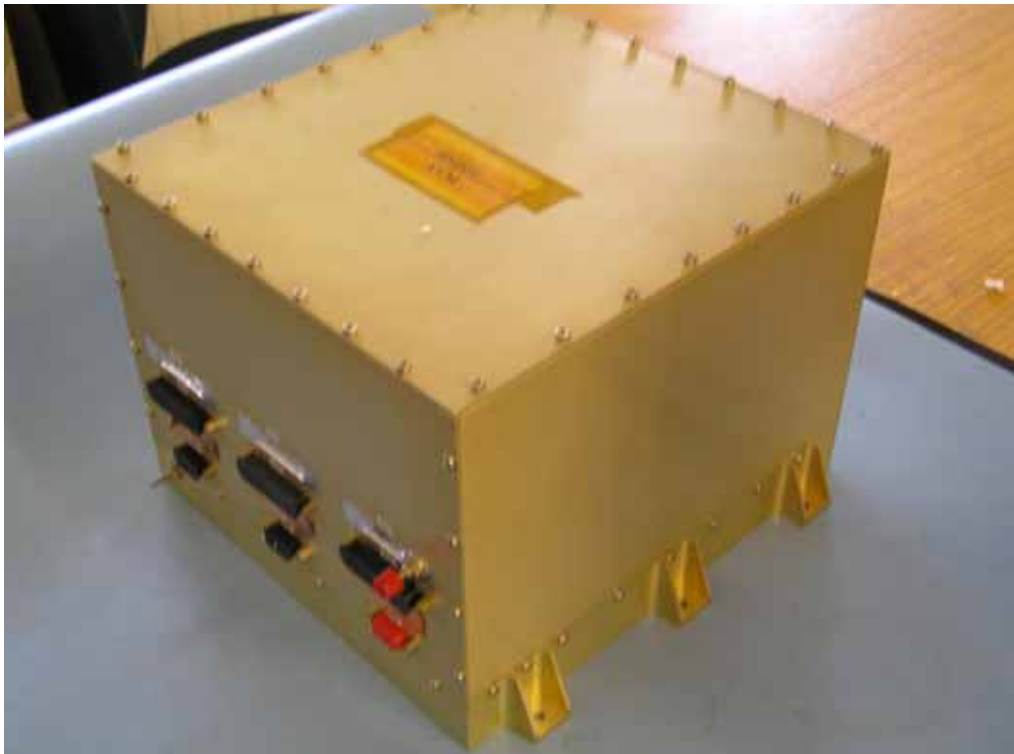
The AVM 1 DPU was shipped with a simulator as shown in the last Photo.  
None of this equipment is Flight, therefore ESD precautions only were observed during Outgoing inspection

**Overall view of the DPU to show label and connector covers.**

Note: red cover was replaced with a black cover before shipping



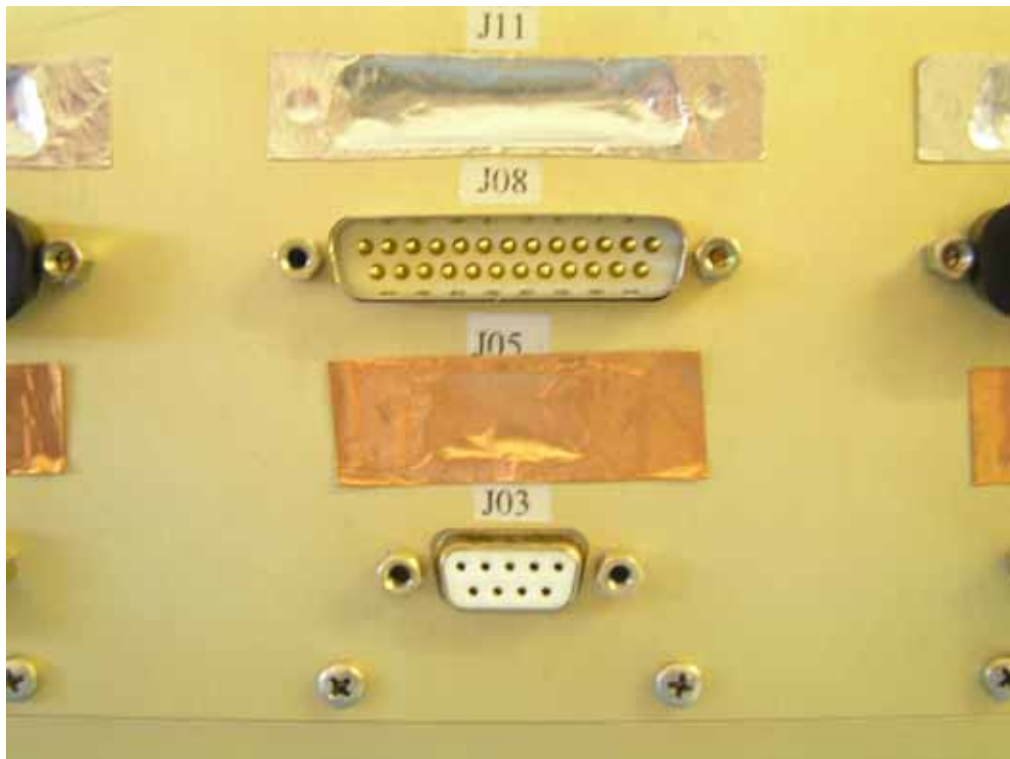
**Side view of the DPU**



**View to show connectors J12, J09, J06, J04**



**View to show connectors J11, J08, J05, J03**





**View to show connectors J10, J07, J02, J01**



**DPU after wrapping (black connector covers not visible)**



**Other support equipment sent with this shipment**

