

# SSTD Outgoing Inspection Report

Spacecraft/Project    HERSCHELL/SPIRE

Document Number    SPIRE-RAL-REP-

Issue    1

Sub System    DPU & DRCU SIMULATOR

Date    4th September 2006

Model    AVM 2

## OUTGOING INSPECTION REPORT

### FROM

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

### TO

**ALENIA**  
ALCATEL ALENIA SPACE-Italy, Strada Antica di  
Collegno, 253 10144 TORINO, Italy

### Applicable sections

Containers	
External Visual Inspection	
External Connector	
Documentation	
Verification of Interfacing	
Extra Comments Sheets	

### Drawings / Documents Attached

Photo's

### INSPECTION CONDUCTED BY

#### NAME

Alan Pearce

#### DATE

4th September 2006

### WITNESS BY

#### NAME

Eric Clark (PA)

#### DATE

4th September 2006

# SSTD Outgoing Inspection Report

Spacecraft/Project **HERSCHELL/SPIRE**

Document Number **SPIRE-RAL-REP- 0**

Issue **1**

Sub System **DPU & DRCU SIMULATOR**

Date **4th September 2006**

Model **AVM 2**

## 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	See Extra comments sheet for each container contents. Shock monitors fitted to Box 1 DPU only	See Remarks

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		None

## ENVIROMENTAL MONITORS

### Temp Monitors

Fitted: **No**

Condition: **N/A**

### Humidity Monitors

Fitted: **No**

Condition: **N/A**

Shock Sensors Triggerd Information					
	5g	10g	15g	25g	50g
X Axis	N/F	N/F	N/F	N/F	N/F
Y Axis	N/F	N/F	N/F	N/F	N/F
Z Axis	N/F	OK	OK	OK	N/F

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## INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
All closure procedures		Correct
Instrument label		Correct
Note status of external contamination		Acceptable
Degradation of paintwork or Coating?		None
Fasteners correctly locked?		Acceptable
Check protective covers are correctly labelled and fitted?		N/A
Double bagged?		Correct
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		Pass
Connector Savers Fitted		None
EMC Covers Fitted		None
RED Tag Item / Green Tag Items fitted		None
Additional Comments	Non Flight Hardware	See remark

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### DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	Copy 1 consisting of Three Volumes numbered 1 to 3	See Remarks
Transportaion Documents		Yes
Packing un- Packing instructions		Yes
Additional Comments		No

### 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**    N/A for this inspection

**CHECKED**    No

**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**    N/A for this inspection

**CHECKED**    No

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EXTRA COMMENT SHEET
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Three Boxes

Box 1      DPU      Shock monitors fitted to this unit only

Box 2      DRCU Simulator (PC) Harnesses and EIDP   Cardboard Box

Box 3      Flat Screen and Keyboard      Shock monitors on this unit from previous use not applicable to this delivery note one broken

## **AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

### **DPU**

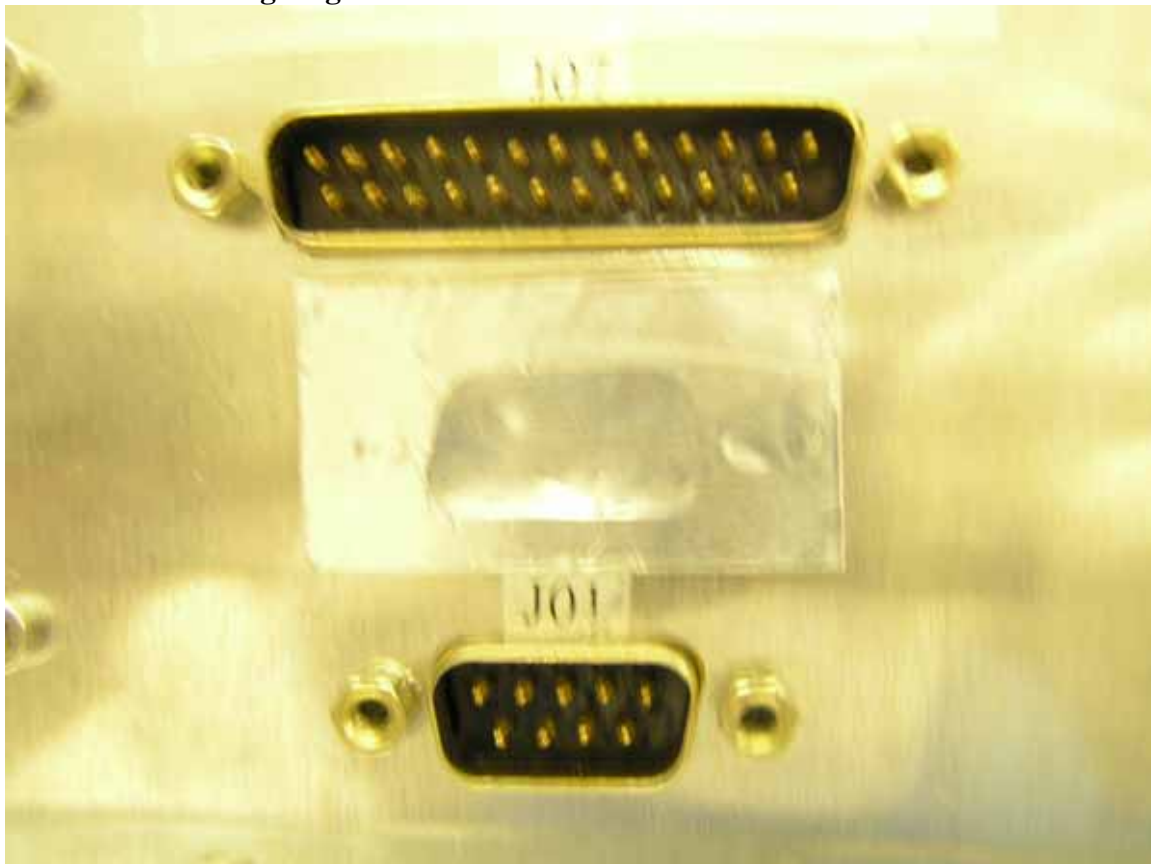


### **DPU Connectors Showing Alignment etc.**

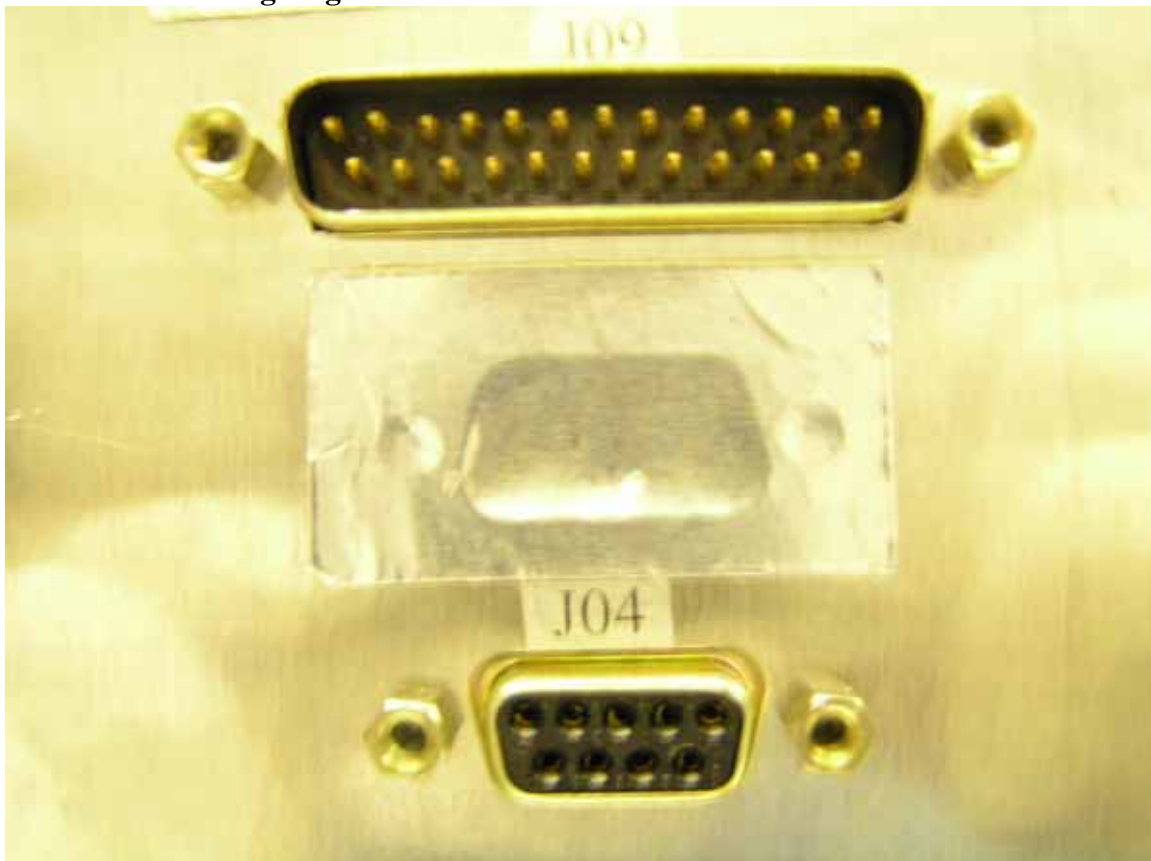


## **AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

**DPU Connectors Showing Alignment etc**



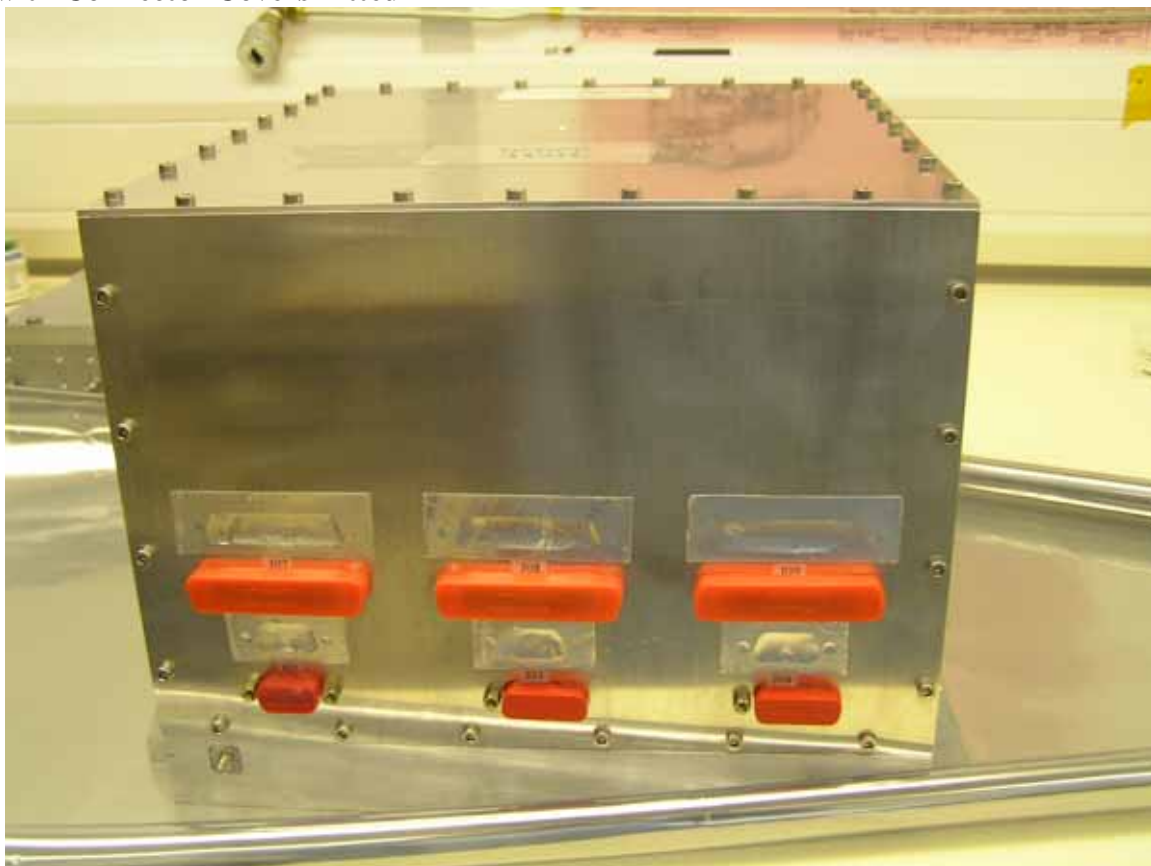
**DPU Connectors Showing Alignment etc**





## **AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

**DPU with Connector Covers Fitted**



**DPU Double Bagged**



## **AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

### **DRCU Simulator PC & Screen**



### **DRCU Simulator PC & Screen double in antistatic Bags with Key board**



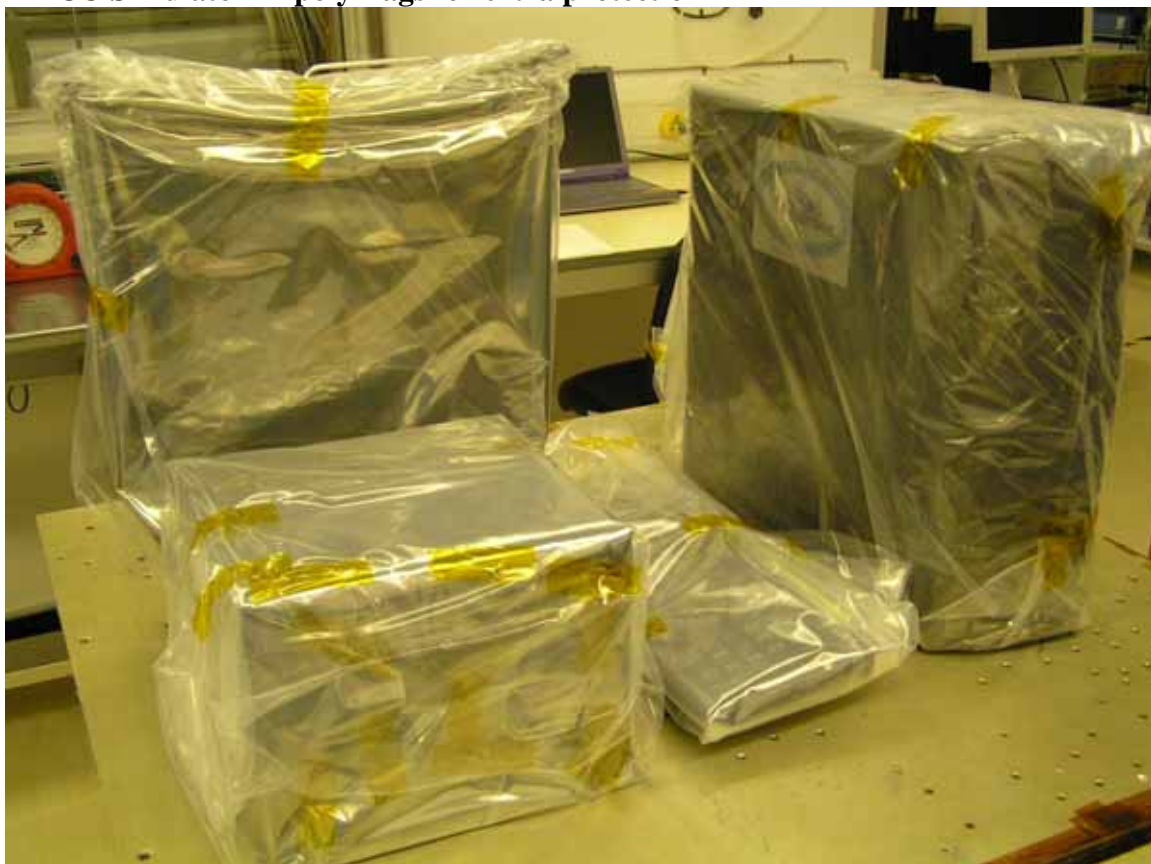


## **AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

**Harnesses and Keyboard bagged ready for packing**



**DPU, DRCU Simulator In poly Bags for extra protection**



## AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716

### DPU in Transit Case (Box 1)



### With Case closed





**AVM 2 DPU and DRCU Simulator Outgoing inspection. SPIRE-RAL-REP-002716**

**DRCU PC & Harness (Below PC) EIDP will be added before closing [Box 2]**



**DRCU Screen and Key board packed in Box 3**

