

Spacecraft/Project **HERSCHEL / SPIRE**

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

Issue **1**

Sub System **DPU**

Date **12th July 2006**

Model **AVM2**

INCOMING INSPECTION REPORT

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

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

Drawings / Documents Attached
Photos

INSPECTION CONDUCTED BY

WITNESS BY

NAME
 Eric Clark (PA)

DATE
 12th July 2006

NAME
 Eric Clark (PA)

DATE
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SSTD Incoming Inspection Report

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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	Delivered in standard DPU Transit container all ok	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	Two Drop & Tell monitors fitted 10g & 25G see photo + & - Tripped on both.	See Remarks

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

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP-002685**

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list	DPU only shipped so no shipping list supplied	See Remarks
Instrument label		None
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
Additional Comments	DPU box is uncoated aluminium as there is no requirement for surface finish on this Model	See Remarks

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

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	See Photos	Pass
Damaged Sockets		None
Internal Debris		None
Connector Covers fitted		None
Connector Savers Fitted		None
EMC Covers Fitted		None
RED Tag Item / Green Tag Items fitted		None
Additional Comments	This is flight representative but not a Flight Item	See remark

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Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP-10**

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		N/A for this inspection
Transportaion Documents		N/A for this inspection
Packing un- Packing instructions		N/A for this inspection
Additional Comments	No Documentation provided as it has been sent as a replacement for AVM 1	

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**

SSTD Incoming Inspection Report

Spacecraft/Project HERSCHEL / SPIRE

Document Number SPIRE-RAL-REP-0

Issue 1

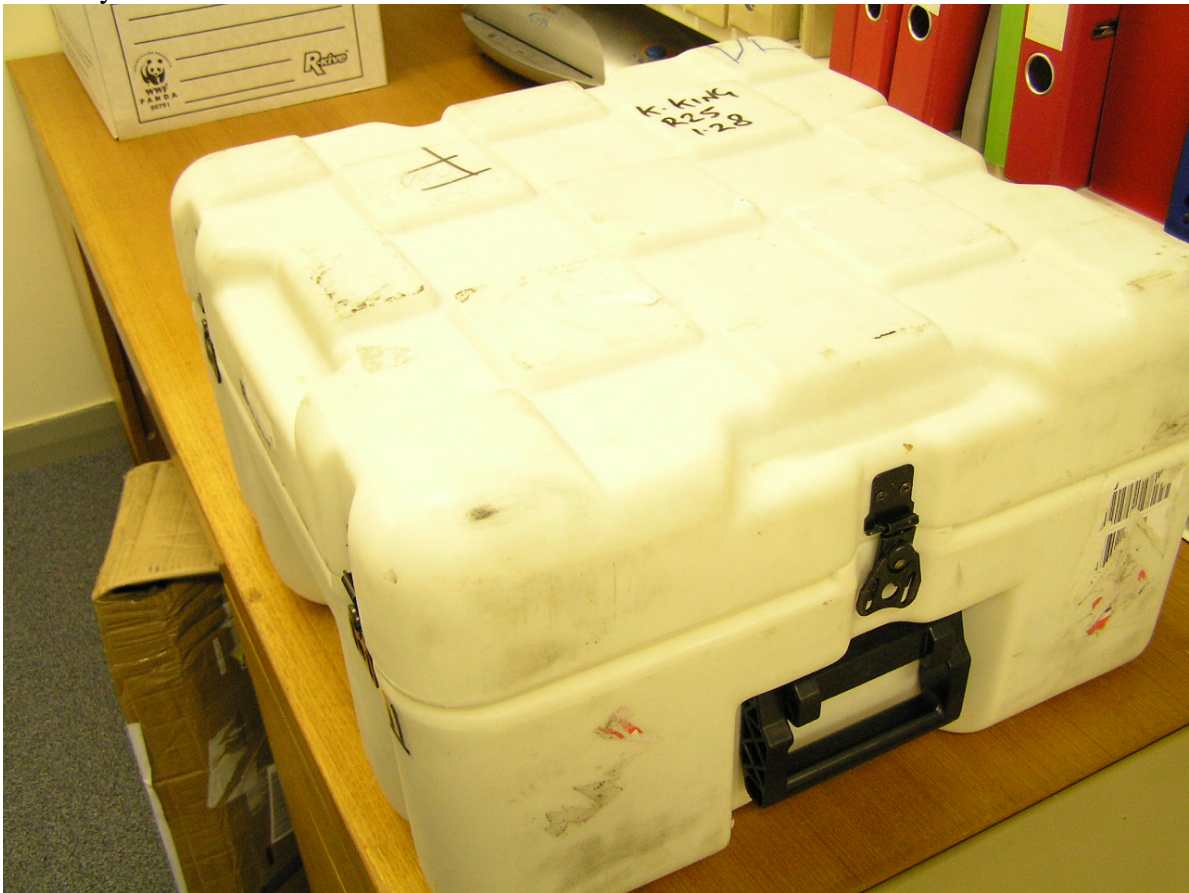
Sub System DPU

Date 12th July 2006

Model AVM2

EXTRA COMMENT SHEET

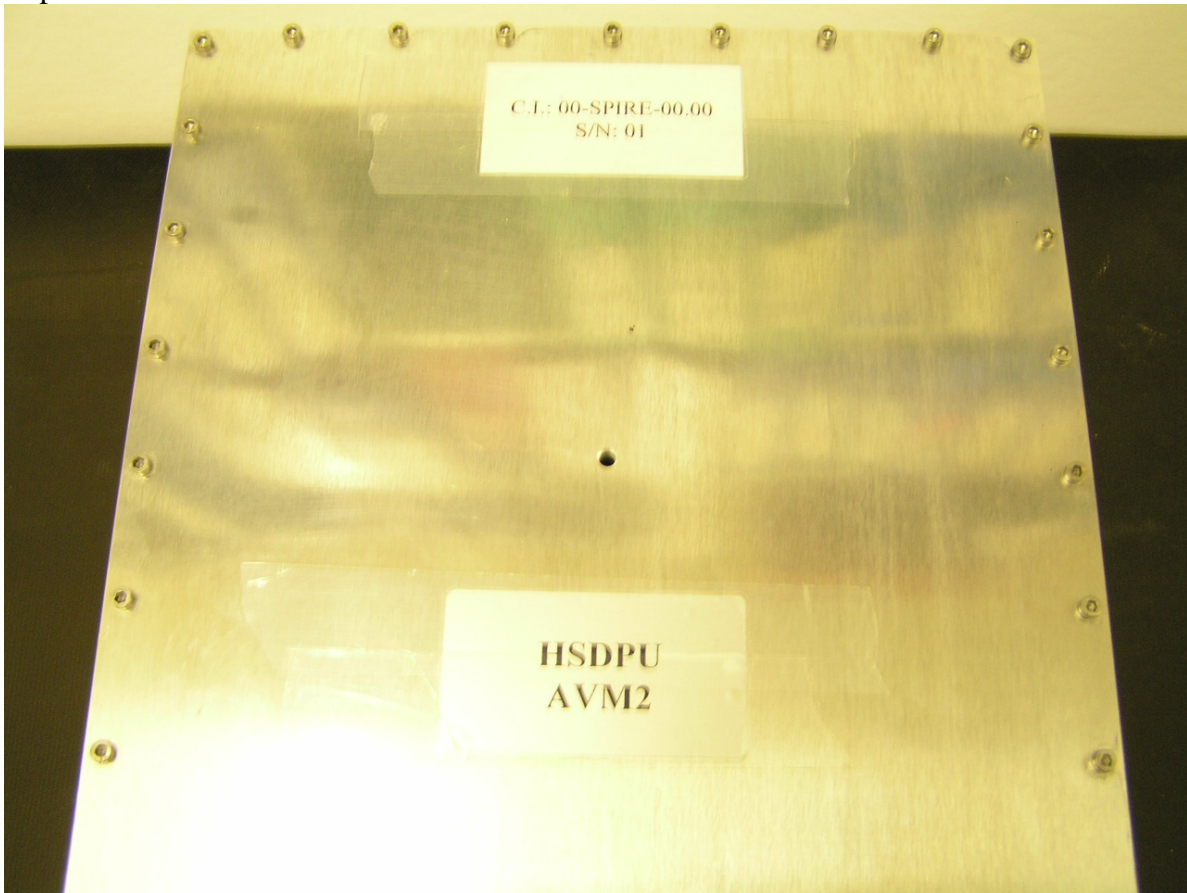
Delivery Case



Drop & Tell Monitors Tripped (+ & -) 10g & 25g



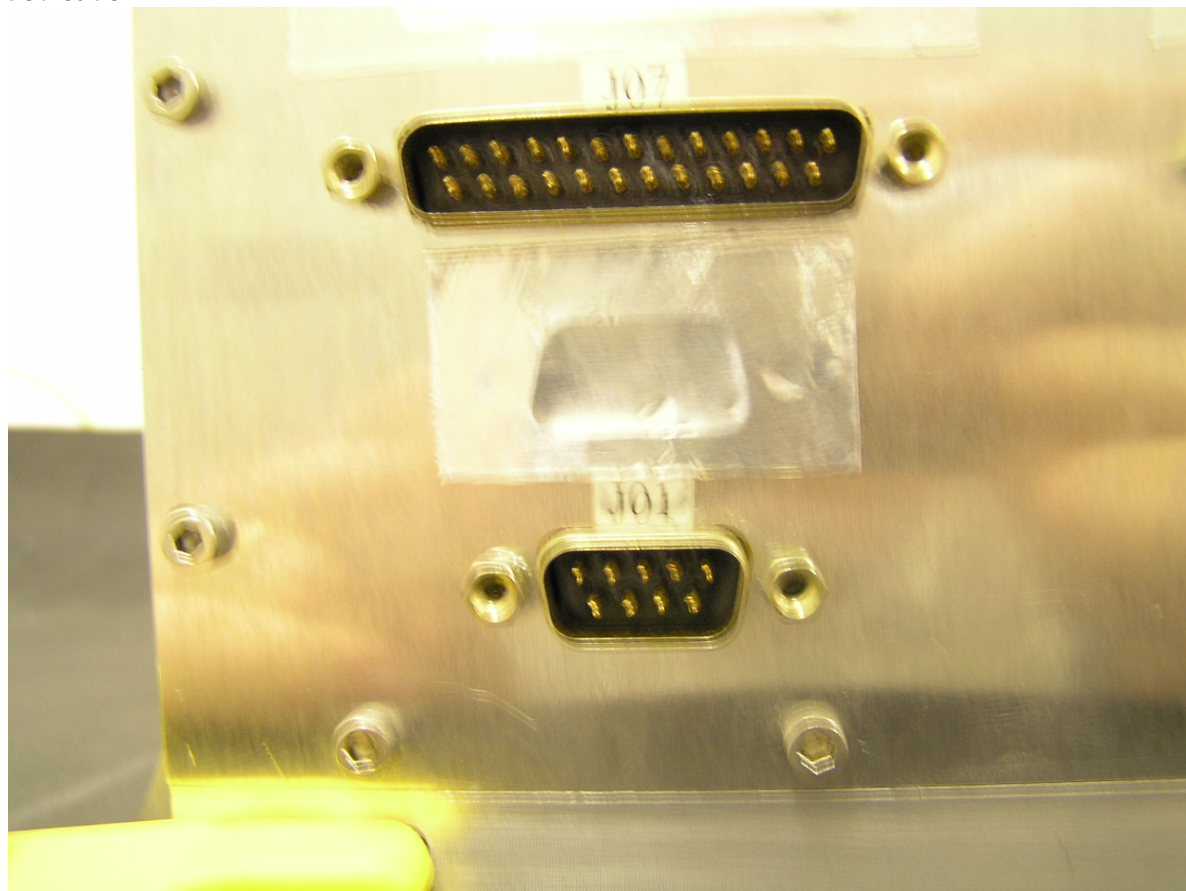
Top of DPU Box



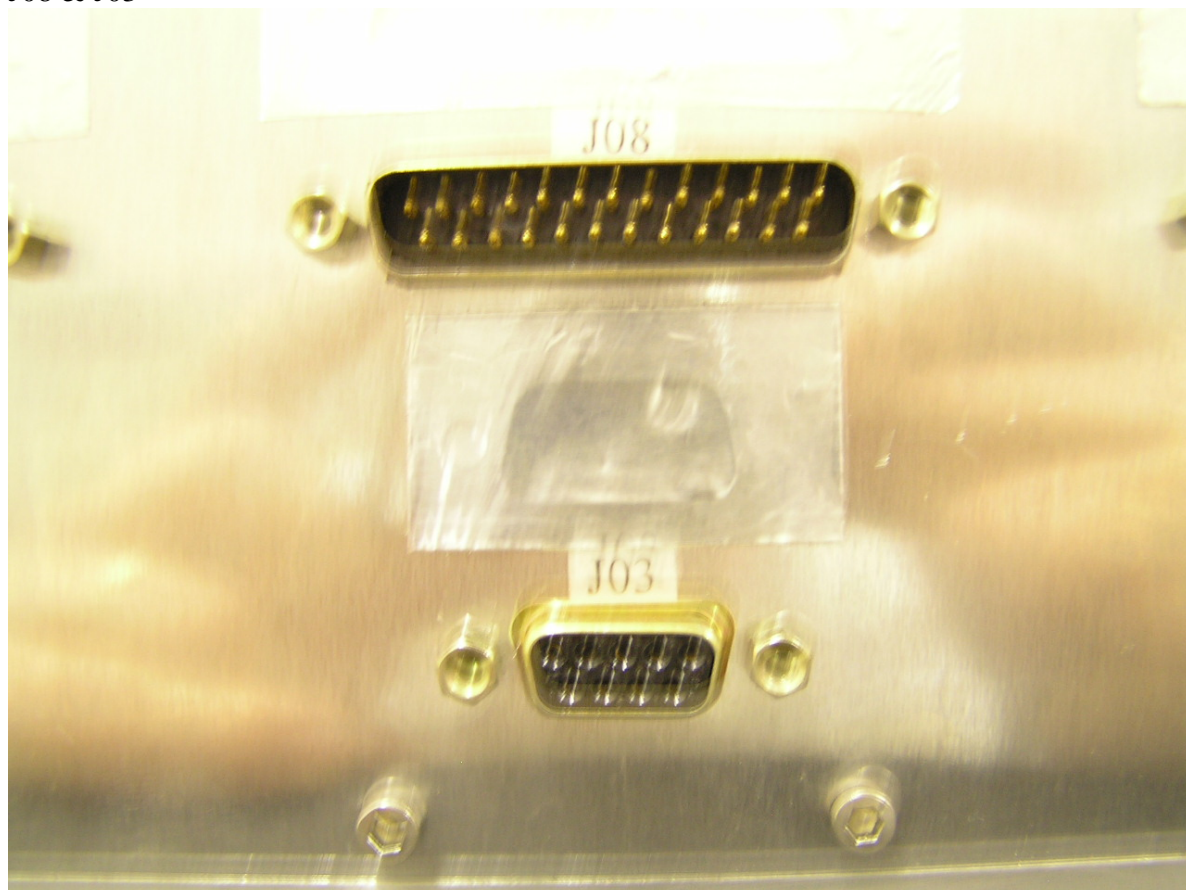
Connector Panel showing masked off redundant connector holes and ESD earth connection.



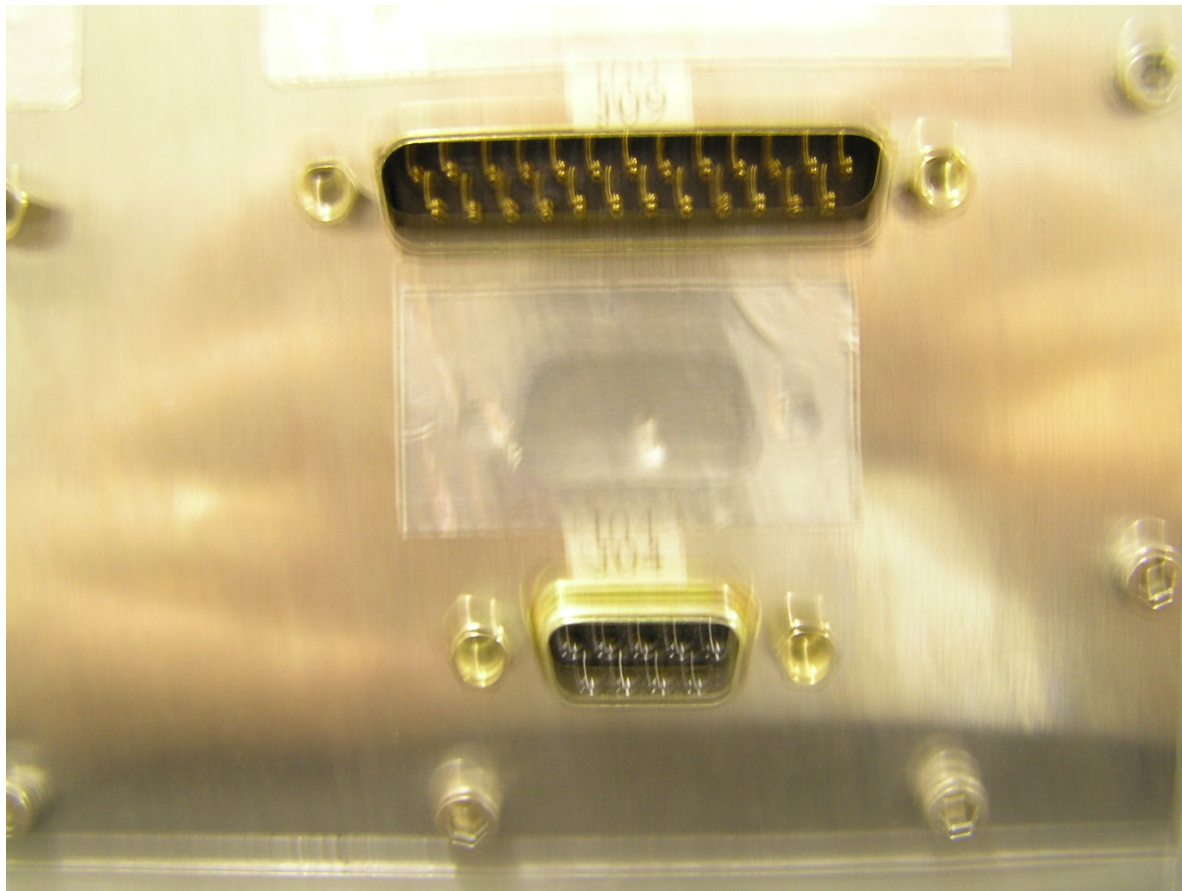
J07 & J01



J08 & J03



J09 & J04



No damaged or bent pins or sockets seen.
No Connector covers or savers fitted.