

SSTD Outgoing Inspection Report

Spacecraft/Project **HERSCHELL/SPIRE**

Document Number **SPIRE-RAL-REP- 002828**

Issue **1.0**

Sub System **Warm Electronics**

Date **14th February 2007**

Model

OUTGOING INSPECTION REPORT

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

TO
SAP Christelle CLOUE CEA/Saclay 91191 Gif Sur Yvette (DAPNIA/Sap, building 709, room 022, +331 69 08 78 30) France

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

Drawings / Documents Attached
Photos

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
14th February 2007

NAME
Eric Clark (PA)

DATE
14th February 2007

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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	Added at R56 despatch	Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	Shipped in Original shipment containers	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required	Units Are bolted to A transit Plate inside Transit Container	See Remarks
Mounting provisions secure		Checked
Any additional Comments	All cleaned prior to fitting of FCU & DCU respectively	See Remarks

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

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
All closure procedures		Acceptable
Instrument label		Acceptable
Note status of external contamination		None
Degradation of paintwork or Coating?		None
Fasteners correctly locked?		Acceptable
Check protective covers are correctly labelled and fitted?		N/A
Double bagged?	Units arrived single bagged so has been shipped single bagged	Incorrect
Additional Comments	Only FCU and DCU were inspected as part of this shipment, Simulators and Harnesses were not Checked	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	all sockets and pins checked with x15 magnifier All OK	See remark
Damaged Sockets		None
Internal Debris		None
Connector Covers fitted	Connector covers were fitted to Connector Savers	See remark
Connector Savers Fitted	Connector savers inspected and fitted to all connectors except Bias P on FCU	See remark
EMC Covers Fitted	Red ESD covers fitted only	See remark
RED Tag Item / Green Tag Items fitted	Appart for Connector covers where appropriate	None
Additional Comments	Note Insufficient Jack posts and screws available (see Exta comments Sheet	See remark

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	Log book supplied with the instrument when delivered to RAL has been included.	See Remarks
Transportaion Documents		Yes
Packing un- Packing instructions		Yes
Additional Comments		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	To be preformed at integration	CHECKED	No
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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	To be preformed at integration	CHECKED	No
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EXTRA COMMENT SHEET

FCU

The following connectors had only one jack post fitted retaining Savers due to a shortage of savers available

J17
J19
J21
J23
J25

BiasP connector did not have a saver fitted due to none being available (special Type Required) Cover Fitted was best fit available

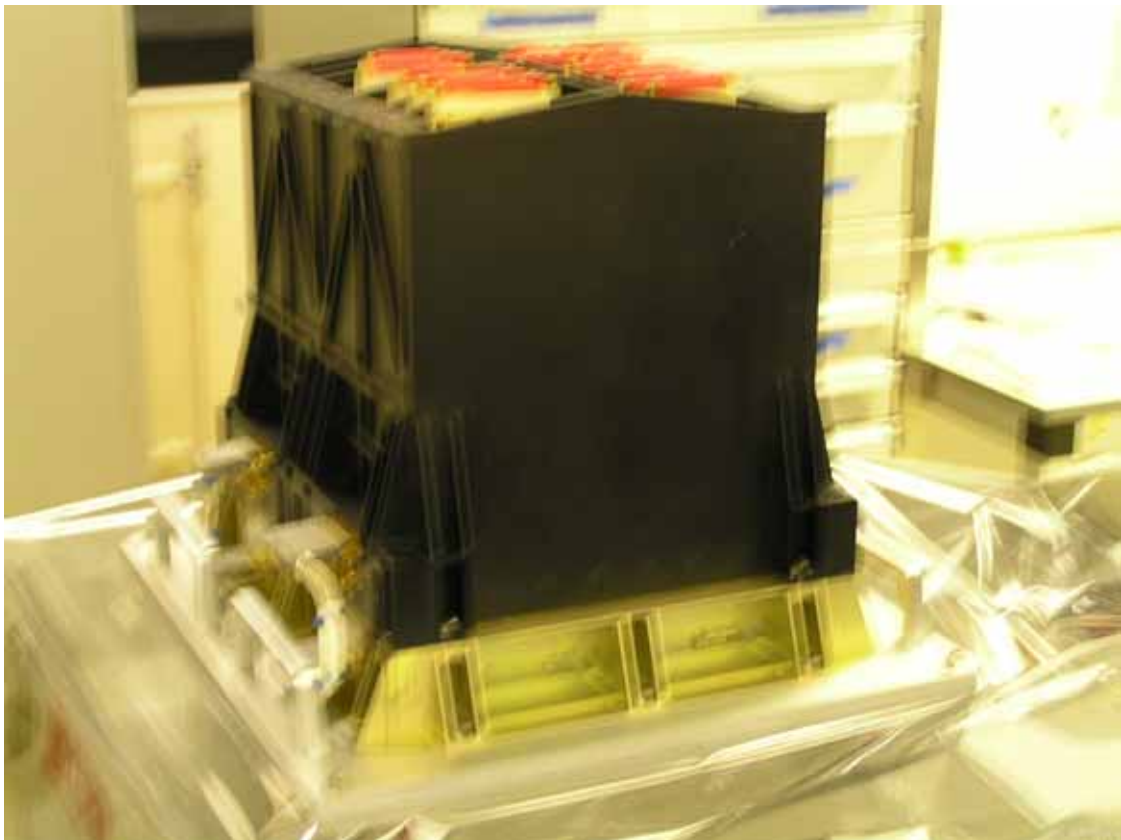
NOTE DCU & FCU Are Single Bagged only

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DCU View of Connectors after inspection with x15 Magnification eyeglass

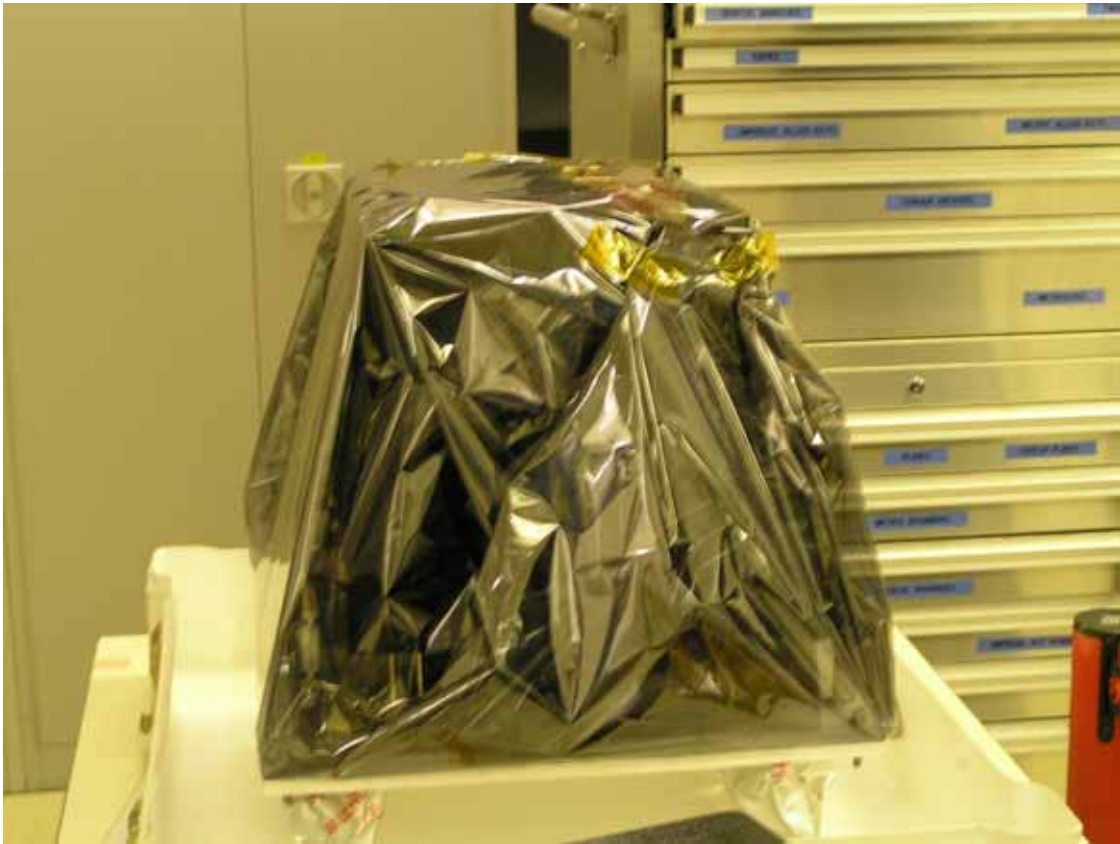


DCU mounted on Transit Plate All savers and Connector covers Fitted



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DCU Bagged ready for container lid to be fitted



FCU View of Connectors after inspection with x15 Magnification eyeglass



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FCU mounted on Transit Plate savers and Connector covers Fitted



FCU Bagged ready for container lid to be fitted



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View of Total Shipment Nine Boxes

