

SSTD Outgoing Inspection Report

Spacecraft/Project **HERSCHELL/SPIRE**

Document Number **SPIRE-RAL-REP- 002788**

Issue **1**

Sub System **WIH**

Date **24th January 2007**

Model **PFM**

OUTGOING INSPECTION REPORT

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

TO
ASTRIUM M. Mueller, EADS Astrium GmbH ,Anlieferstelle : Halle 6052/Aloys Weber, Claude-Dornier- Strasse, D-88090 Immenstaad, Germany

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

Drawings / Documents Attached
Photo's
Note 2 Tiewraps to be removed see Photo

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
24th January 2007

NAME
Eric Clark (PA)

DATE
24th January 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		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	Shipped out in original Container supplied by Subsystem	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging	Base Board fits in bottom of container	See Remarks
Internal padding / packaging required	Internal packing supports Base board in place	See Remarks
Mounting provisions secure	the same as delivery to RAL	See Remarks
Any additional Comments	Harness is attached to a Board covered in ESD material. Each connector is Mounted to Spacers on Dummy Frames to Maintain Harness Shape	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	15g	25g	50g
Condition: <input type="text"/>	Condition: <input type="text"/>	X Axis	Y Axis	Z Axis		
		5g	10g	15g	25g	50g

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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	The Harness has been insulated using Tape Supplied at the request of Customer	Acceptable
Degradation of paintwork or Coating?		N/A
Fasteners correctly locked?		Correct
Check protective covers are correctly labelled and fitted?		N/A
Double bagged?		Correct
Additional Comments	The Item is a Flight Interconnect Harness. No instrument is attached	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	See List on Extra Comments sheet	Pass
Damaged Sockets	See List on Extra Comments sheet	Pass
Internal Debris	See List on Extra Comments sheet	None
Connector Covers fitted	Black ESD Covers are fitted to all Connectors	See remark
Connector Savers Fitted	Savers are not fitted for shipment but are supplied seperately with the Harness	See remark
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments	Each connector is Labeled but MCU and SCU become FCU	See remark

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	Paper copy and 1 CD	Yes
Transportaion Documents		Yes
Packing un- Packing instructions		Yes
Additional Comments	Incoming Inspection Report Template included in EIDP for use on delivery	Yes

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
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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	N/A for this inspection	CHECKED	No
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EXTRA COMMENT SHEET

Connector	Type	Mag	Inspection	ESD Cap	Comments	New No
DCU /P01	Plg	x10	OK	Yes		
DCU /P02	Plg	x10	OK	Yes		
DCU /P03	Sket	x10	OK	Yes		
DCU /P04	Sket	x10	OK	Yes		
PSU/P07	Plg	x10	OK	Yes		
PSU/P07	Plg	x10	OK	Yes		
MCU/P01	Plg	x10	OK	Yes	Will Become	FCU/P01
MCU/P02	Plg	x10	OK	Yes	Will Become	FCU/P02
SCU/P03	Plg	x10	OK	Yes	Will Become	FCU/P03
SCU/P04	Plg	x10	OK	Yes	Will Become	FCU/P04
DPU/P07	Sket	x10	OK	Yes		
DPU/P08	Sket	x10	OK	Yes		
DPU/P09	Sket	x10	OK	Yes		
DPU/P10	Sket	x10	OK	Yes		
DPU/P11	Sket	x10	OK	Yes		
DPU/P12	Sket	x10	OK	Yes		

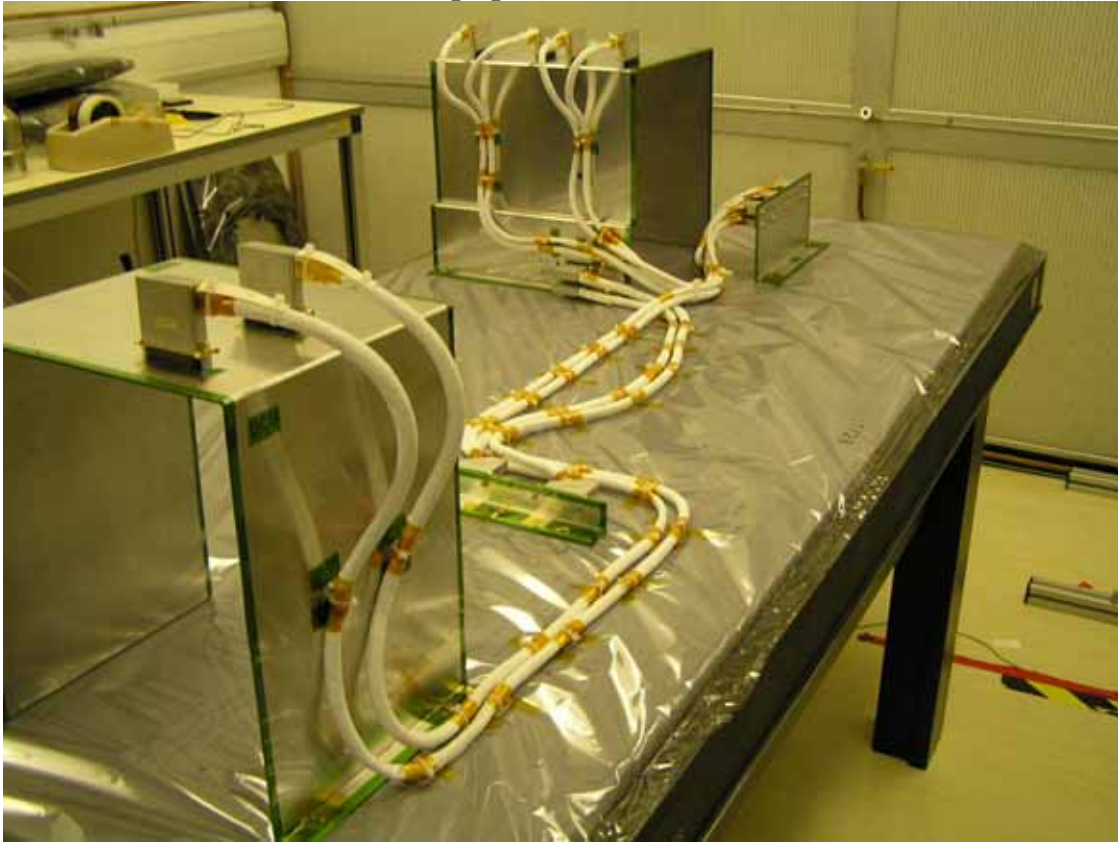
EXTRAS Delivered With Harness	
16 Connector savers	Checked
16 pairs of Jack screws	Checked

Notes

Original Shock Monitors remain attached to container, Extra 10g Monitors Fitted in X, Y, and Z axis

Black Light Inspected before double Bagged, all OK.

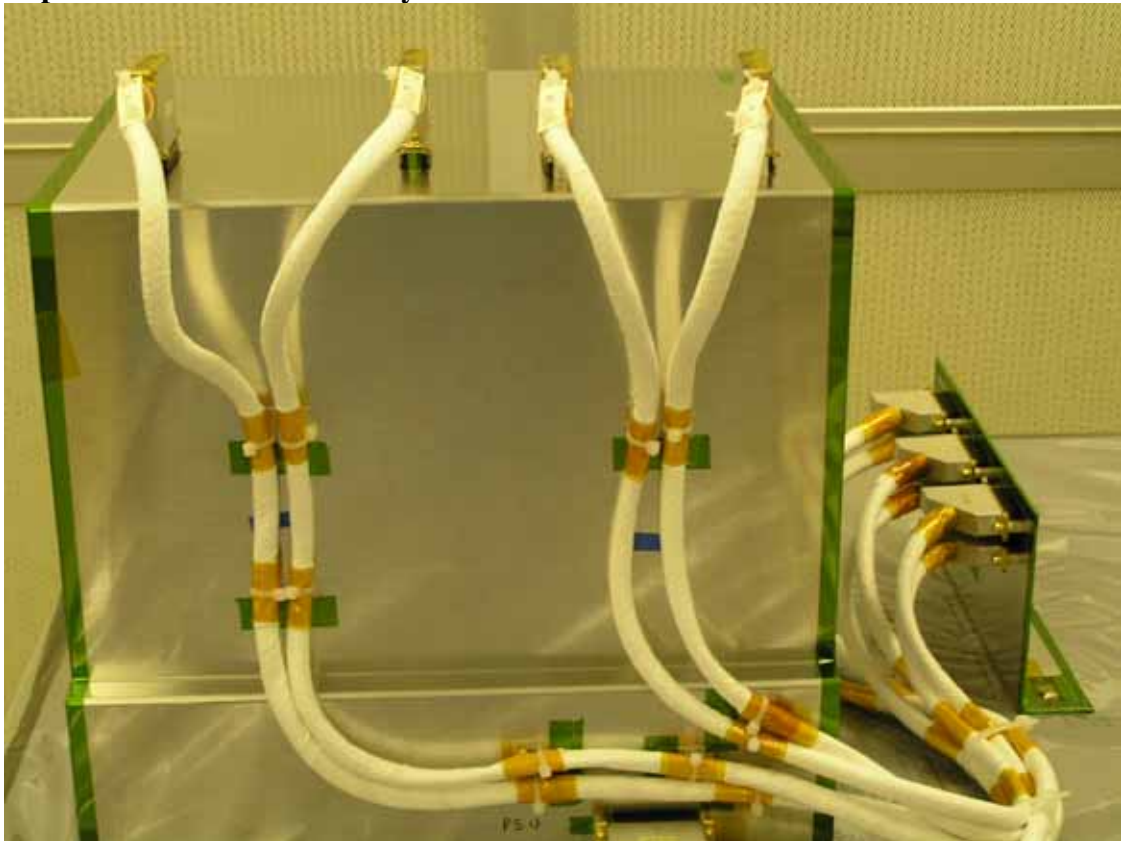
**WIH Harness on Horse after all connectors inspected and ESD caps Fitted
Also shows Harness insulated with Tape provided.**



These Two “TIEWRAPS” must be removed prior to Integration



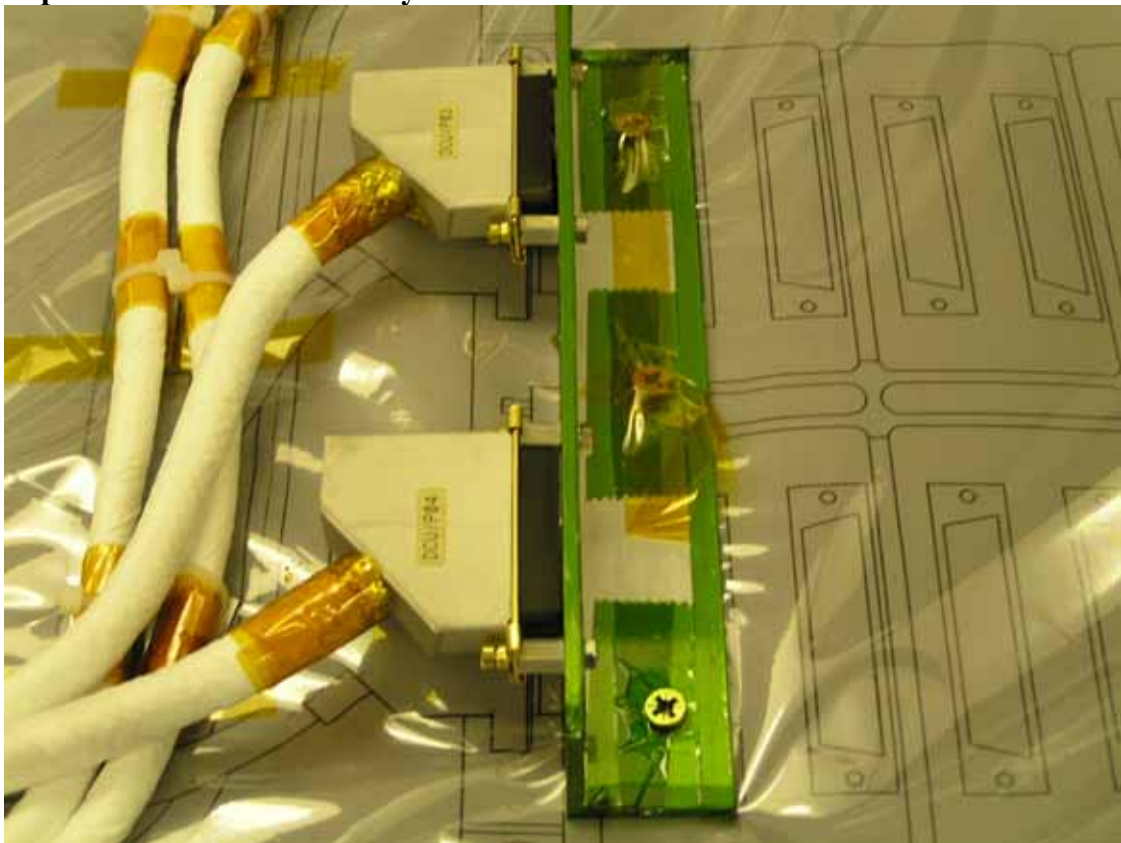
Close Up of Connectors on Dummy FCU Frame



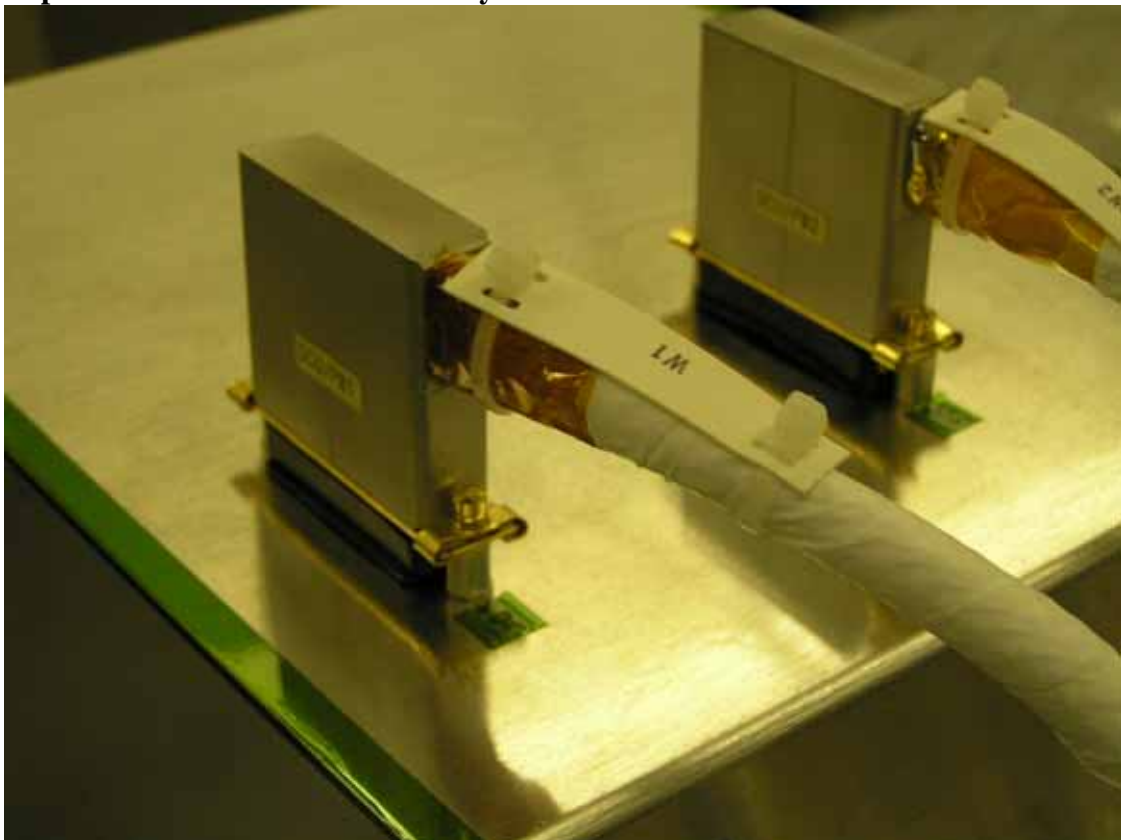
Close up of DPU Connectors on Dummy DPU Frame



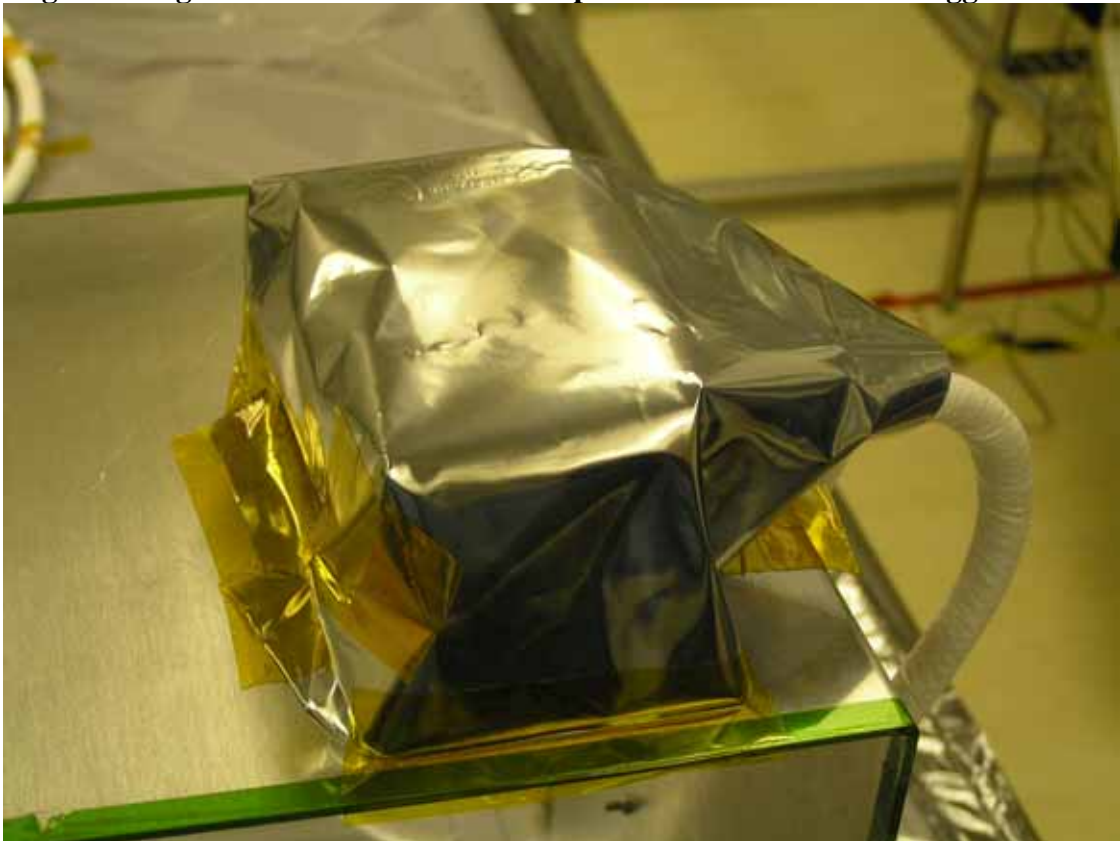
Close Up of Connectors on Dummy DCU Frame



Close Up of Connectors on DCU Dummy frame



ESD Bag Covering DCU connectors for added protection when Double Bagged



ESD Bag Covering FCU connectors for added protection when Double Bagged



Single Bag over Harness



Double Bag over Harness



Connector Savers and Spare Jack Post Taped to Outer Harness Bag



Transit Container Empty



Transit Container with Harness inside. Bagged Foam Blocks to fit between Lid and Dummy Frames each end.



The above Photo also show silica gel packets included from original delivery to RAL