

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002695**

Issue **1**

Sub System **DRCU (DCU & FCU)**

Date **7th August 2006**

Model **PFM**

INCOMING INSPECTION REPORT

FROM
<p>SAP CEA, Service d'Astrophysique Saclay</p>

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

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

Drawings / Documents Attached
Photo's

INSPECTION CONDUCTED BY

WITNESS BY

NAME
CEA/SAP Personnel

DATE
7th August 2006

NAME
Eric Clark (PA)

DATE
7th August 2006

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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	DRCU Comprises of DCU & FCU	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		
Internal padding / packaging required		
Mounting provisions secure		
Any additional Comments		

ENVIORNMENTAL MONITORS					
<u>Temp Monitors</u>		<u>Humidity Monitors</u>		<u>Shock Sensors Triggerd Information</u>	
Fitted:	<input type="text"/>	Fitted:	<input type="text"/>	5g	10g
Condition:	<input type="text"/>	Condition:	<input type="text"/>	15g	25g
				50g	

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
Instrument label		Correct
Note status of external contamination		Acceptable
Degradation of paintwork or Coating?	Some cosmetic marks on outsides of unit boxes.	See Remarks
Fasteners correctly locked?		Correct
Check protective covers are correctly labelled and fitted?		N/A
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		See remark
Connector Savers Fitted		
EMC Covers Fitted		See remark
RED Tag Item / Green Tag Items fitted		None
Additional Comments		

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	EIDP included with Units	Yes
Transportaion Documents		Yes
Packing un- Packing instructions	Unpacked be SAP	No
Additional Comments		

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 To be preformed at integration
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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		CHECKED To be preformed at integration
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EXTRA COMMENT SHEET

DRCU is made up of:
DCU
FCU including MCU & PSU

Transit Container DCU



Transit Container FCU



Showing Examples of Clip Locked on Transit container



Showing Shock monitors OK



Showing DCU Not Bagged when Container opened also Connector savers with ESD covers in place



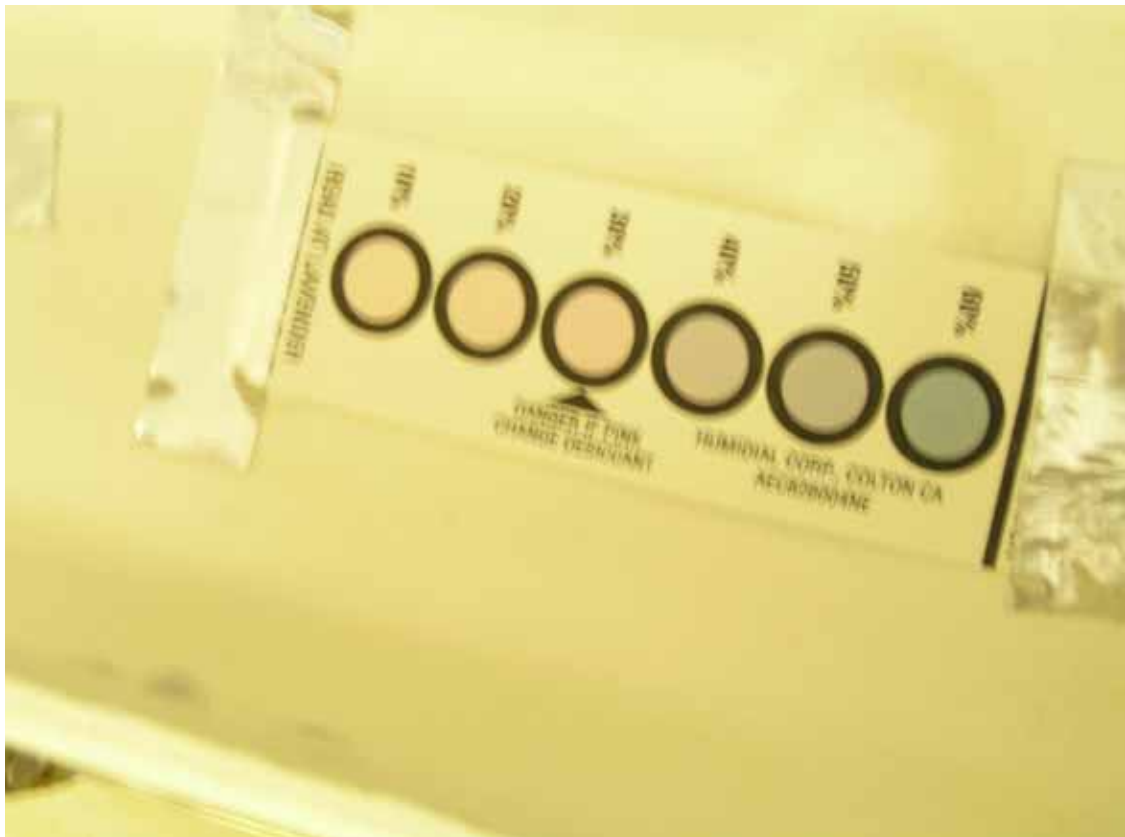
Side View



Close up of Shock monitor on DCU Base Plate O/K



Humidity Monitor DCU



**FCU on Transit plate Connector Savers and covers in place
(Not Bagged on delivery)**



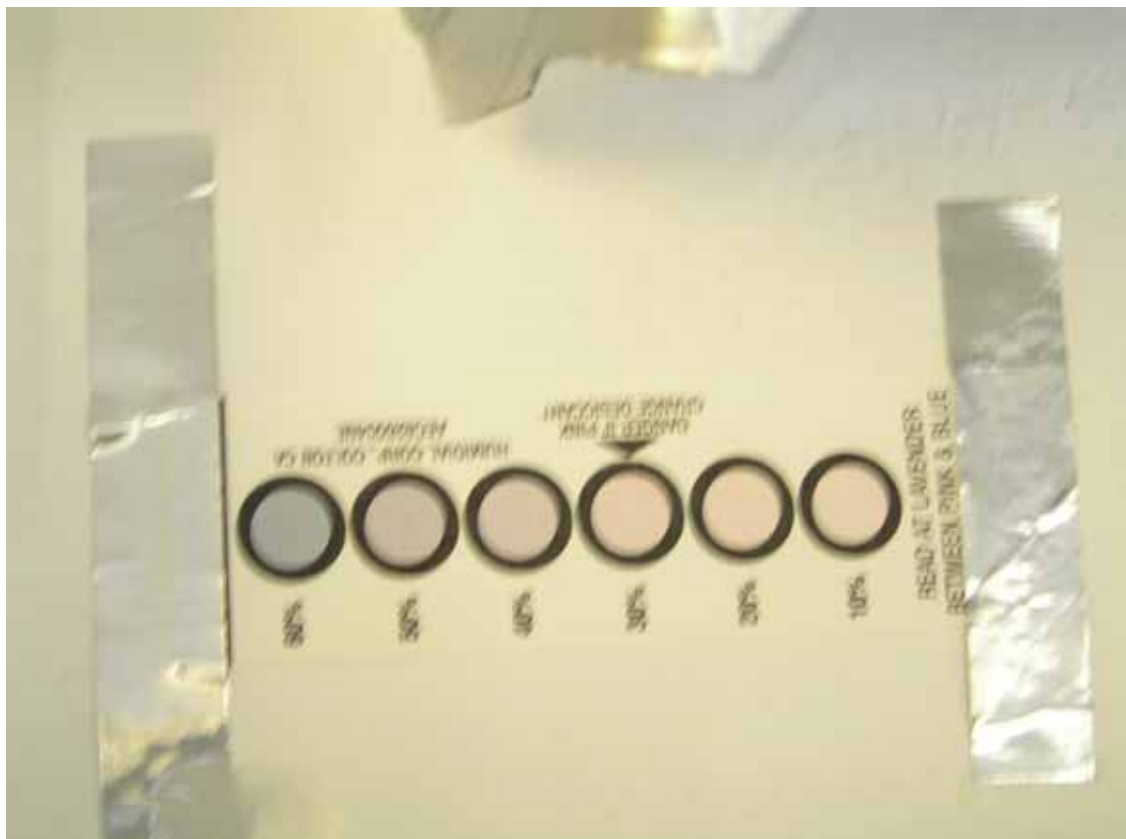
Side View



Showing Shock monitor on base plate of FCU and PSU connectors



Humidity detector on FCU Container



Close up of DCU Shock Monitor on container Base



Close ups of FCU & DCU connectors with Savers Fitted



SPIRE-RAL-REP-002695 DRCU IIR Photos



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