

# SSTD Outgoing Inspection Report

Spacecraft/Project    **HERSCHELL/SPIRE**

Document Number    **SPIRE-RAL-REP- 002541**

Issue    **1**

Sub System    **FPU**

Date    **17th November 2005**

Model    **PFM**

## OUTGOING INSPECTION REPORT

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

TO
<b>CSL</b> Centre Spatial de Liège, LIEGE Science Park, Avenue du Pré-Aily, B-4031 ANGLEUR, Belgium

Applicable sections	
Containers	
External Visual Inspection	
External Connector	
Documentation	
Verification of Interfacs	
Extra Comments Sheets	

Drawings / Documents Attached

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME
Alan Pearce

DATE
17th November 2005

NAME
Eric Clark (PA)

DATE
17th November 2005

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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		

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	PFO and witness mirror fitted to Base plate.	See Remarks

ENVIROMENTAL MONITORS																																		
<b>Temp Monitors</b>		<b>Humidity Monitors</b>		<table border="1" style="width: 100%;"> <thead> <tr style="background-color: yellow;"> <th colspan="5">Shock Sensors Triggerd Information</th> </tr> <tr style="background-color: yellow;"> <th></th> <th>5g</th> <th>10g</th> <th>15g</th> <th>25g</th> <th>50g</th> </tr> </thead> <tbody> <tr> <td>X Axis</td> <td></td> <td></td> <td>SET</td> <td>SET</td> <td></td> </tr> <tr> <td>Y Axis</td> <td></td> <td></td> <td>SET</td> <td>SET</td> <td></td> </tr> <tr> <td>Z Axis</td> <td></td> <td></td> <td>SET</td> <td>SET</td> <td></td> </tr> </tbody> </table>		Shock Sensors Triggerd Information						5g	10g	15g	25g	50g	X Axis			SET	SET		Y Axis			SET	SET		Z Axis			SET	SET	
Shock Sensors Triggerd Information																																		
	5g	10g	15g			25g	50g																											
X Axis			SET			SET																												
Y Axis			SET	SET																														
Z Axis			SET	SET																														
Fitted: <input type="text" value="No"/>		Fitted: <input type="text" value="Yes"/>																																
Condition: <input type="text"/>		Condition: <input type="text" value="Satisfactory"/>																																

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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?		Acceptable
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?		Correct
Double bagged?	Double Bagged then inside a container	See Remarks
Additional Comments	Note Feet are not steaked as the cone shaped fot will be replaced with carbon fiber type otherwise the remainder of the screws are into locking inserts	

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## INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	Unused connectors were covered with copper tape, used connector checked OK	See remark
Damaged Sockets	See remark above	None
Internal Debris		None
Connector Covers fitted	See remark above	See remark
Connector Savers Fitted	Fitted to connector that will be used only	Pass
EMC Covers Fitted	See remark at top of Page.	See remark
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments		

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## DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	EIDP is not included but a log book containing relevant information is	See Remarks
Transportation Documents		Yes
Packing un- Packing instructions	Will be unpacked under RAL supervision	N/A
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**

**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**

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<b>EXTRA COMMENT SHEET</b>
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FPU deliverd without JFET racks