

SSTD Outgoing Inspection Report

Spacecraft/Project **HERSCHELL/SPIRE**

Document Number **SPIRE-RAL-REP- 002550**

Issue **1**

Sub System **BSM**

Date **8th December 2005**

Model **FS**

OUTGOING INSPECTION REPORT

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

TO
LAM Laboratoire d'Astronomie Spatiale, Marseille

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

Drawings / Documents Attached

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
8th December 2005

NAME
Eric Clark (PA)

DATE
8th December 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		N/A
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits	Do Not Drop Label Fitted to Internal & external containers	See Remarks
Any additional Comments		

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required		Checked
Mounting provisions secure		N/A
Any additional Comments		None

ENVIORNMENTAL MONITORS					
Temp Monitors		Humidity Monitors		Shock Sensors Triggerd Information	
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	
				OK	OK
				OK	OK
				OK	OK

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
All closure procedures	Flight Spare with Harness mated no unpacking of internal container required	See Remarks
Instrument label		Correct
Note status of external contamination		Acceptable
Degradation of paintwork or Coating?		None
Fasteners correctly locked?	BSM to full flight spec container sealed and fastened correctly	See Remarks
Check protective covers are correctly labelled and fitted?	Savers fitted to connectors Harness connected to one. In sealed box	See Remarks
Double bagged?		N/A
Additional Comments	BSM FS is mounted in a clean sealed container with Harness passing through side to enable operation of BSM without removing it from a clean environment	See Remarks

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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		N/A
Connector Savers Fitted	Savers fitted + Harness in one see Extra comments sheet re Modifications	
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		None
Additional Comments		

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		No
Transportaion Documents		Yes
Packing un- Packing instructions		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	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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Sub System BSM

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EXTRA COMMENT SHEET

The Harnes is connected to
The Harness has been modified to configure FS BSM it will need returning to its original configuration when returned to SPIRE.

On the 37 way Harness connector the following Pins were swapped

Pin 1 with Pin 20
Pin 4 with Pin 23







