

# SSTD Incoming Inspection Report

Spacecraft/Project    **HERSCHEL / SPIRE**

Document Number    **SPIRE-RAL-REP- 002518**

Issue    **Draft**

Sub System    **BDA ser no 16**

Date    **7th October 2005**

Model    **CQM**

## INCOMING INSPECTION REPORT

FROM
<p><b>JPL</b> 4800 Oak Grove Drive, Pasadena, California 91109, USA</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
Photos

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME
Eric Clark (PA)

DATE
7th October 2005

NAME
Valereen Essandoh

DATE
13th October 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	Inner box( containg Bowling ball) had Tape over latch still intact.	See Remarks
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	Tip & Tell Monitor On Outer cardboard box OK	

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	The BDA is delivered in a metal purpose built Transit /Storage box (bowling Ball), which is then placed in a padded box, this box is then placed in a Larger box with the HRCR, which in turn is placed in a foam filled cardboard box. See photographs for each stage of unpacking.	

ENVIROMENTAL MONITORS									
<b>Temp Monitors</b>		<b>Humidity Monitors</b>		<b>Shock Sensors Triggerd Information</b>					
Fitted: <input type="checkbox"/>	<input type="checkbox"/>	Fitted: <input type="checkbox"/>	<input type="checkbox"/>	5g	10g	15g			
Condition: <input type="checkbox"/>	<input type="checkbox"/>	Condition: <input type="checkbox"/>	<input type="checkbox"/>	20g	50g				
				X Axis	N/F	OK	N/F	OK	OK
				Y Axis	N/F	tripped	N/F	OK	OK
				Z Axis	N/F	N/F	N/F	N/F	N/F

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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?		None
Fasteners correctly locked?		Correct
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments	The filter appeared to be contaminated see photo attached	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	See additional Comments	See remark
Connector Savers Fitted	See additional Comments	See remark
EMC Covers Fitted	See additional Comments	See remark
RED Tag Item / Green Tag Items fitted	See additional Comments	See remark
Additional Comments	During storage and transit the BDA is protected in a purpose built container, no other connector or EMC covers are required.	See remark

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## DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	HRCR Included	Yes
Transportaion Documents		Yes
Packing un- Packing instructions		Yes
Additional Comments	The BDA is unpacked to Bowling Ball Stage by Eric Clark. From 13th October Valereen Essandoh from JPL with SSTD staff completed the inspection.	See Remark

## 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).

<b>INSPECTION / TEST REPORT NUMBER</b>	<b>CHECKED</b> N/A for this inspection
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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.

<b>INSPECTION / TEST REPORT NUMBER</b>	<b>CHECKED</b> Yes
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<b>EXTRA COMMENT SHEET</b>
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