

# SSTD Incoming Inspection Report

Spacecraft/Project    **HERSCHEL / SPIRE**

Document Number    **SPIRE-RAL-REP- 002519**

Issue    **Draft**

Sub System    **BDA ser no 17**

Date    **7th October 2005**

Model    **FS**

## 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**

**DATE**

**NAME**

**DATE**

Eric Clark (PA)

7th October 2005

Valereen Essandoh

13th October 2005

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## CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
<b>Mechanical damage to container fasteners, locks, clips or handling provisions</b>		Checked
<b>Security / Locking Fitted</b>	Inner box( containg Bowling ball) had Tape over latch still intact.	See Remarks
<b>Markings for destination and description</b>		Checked
<b>Warning labels relating to handling lifting and stacking limits</b>		Checked
<b>Any additional Comments</b>	Tip & Tell Monitor On Outer cardboard box OK	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
<b>Check Mounting fixtures fitted internal packaging</b>		Checked
<b>Internal padding / packaging required</b>		Checked
<b>Mounting provisions secure</b>		Checked
<b>Any additional Comments</b>	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.	See Remarks

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				
				<b>X Axis</b>	N/F	tripped	N/F	OK	OK
				<b>Y Axis</b>	N/F	tripped	N/F	OK	OK
				<b>Z Axis</b>	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		<b>Correct</b>
Instrument label		<b>Correct</b>
Note status of external contamination	some slight marks and particules noted on filter	<b>See Remarks</b>
Degradation of paintwork or Coating?		<b>See Remarks</b>
Fasteners correctly locked?		
Check protective covers are correctly labelled and fitted?		<b>N/A</b>
Additional Comments	Black particals were found on the outer section of the "bowling Ball mating sufaces possible from the "O" ring note not on the inside section. Some slight scratching and tool marks seen around the BDA cosmetic only no reason for concern. Spot of Locking compound on Kevlar string see photo.	

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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>	Will be added to this report when Issued	<b>CHECKED</b>	Yes
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<b>EXTRA COMMENT SHEET</b>
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