

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002378**

Issue **1**

Sub System **BDA Sn 13**

Date **9th March 2005**

Model **PFM**

INCOMING INSPECTION REPORT

FROM
JPL Los Angeles, USA

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

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

Drawings / Documents Attached
Photo's

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Eric Clark (PA)

DATE
9th March 2005

NAME
Scott from JPL

DATE
9th March 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	The BDA is delivered in a purpose built transit/storage container, fitted inside a large Metal suitcase type container which is then in a Large cardboard Box	See Remarks

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	Tip & Tell Monitor attached to outside of Cardboard Box tripped, indicates Clockwise tilt has occurred see Photo attached.	See Remarks

ENVIROMENTAL MONITORS																														
Temp Monitors		Humidity Monitors		Shock Sensors Triggerd Information																										
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="No"/>																											
Condition:	<input type="text" value="N/A"/>	Condition:	<input type="text" value="N/A"/>																											
				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>5g</th> <th>10g</th> <th>15g</th> <th>20g</th> <th>50g</th> </tr> </thead> <tbody> <tr> <td>X Axis</td> <td>N/F</td> <td>Both</td> <td>N/F</td> <td>OK</td> <td>OK</td> </tr> <tr> <td>Y Axis</td> <td>N/F</td> <td>Both</td> <td>N/F</td> <td>OK</td> <td>OK</td> </tr> <tr> <td>Z Axis</td> <td>N/F</td> <td>N/F</td> <td>N/F</td> <td>N/F</td> <td>N/F</td> </tr> </tbody> </table>				5g	10g	15g	20g	50g	X Axis	N/F	Both	N/F	OK	OK	Y Axis	N/F	Both	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		Correct
Degradation of paintwork or Coating?	Some scratches visible on interface to detector box surface. Slight indent in filter membrane close to one corner	See Remarks
Fasteners correctly locked?		Acceptable
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments	The BDA was initially inspected (with Scot Present) to purpose built transit/storage container stage, the remaining inspection was completed witnessed by Alan Pearce 17/03/05	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		N/A
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments		None

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		Yes
Transportaion Documents		Yes
Packing un- Packing instructions	In EIDP	Yes
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

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



Tip & Tell Monitor on PFM BDA SN 13 box indicating a 90° Tilt has occurred



PFM BDA SN 13 & 14: In G56 Prep Area. Outside surfaces have been cleaned with IPA prior to taking into the Class 100 Clean Room for further inspection.