

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002958**

Issue **1**

Sub System **Filters & Beam splitters**

Date **9th August 2007**

Model **FS**

INCOMING INSPECTION REPORT

FROM
<p>UCF Department of Physics and Astronomy, University of Wales, Cardiff,</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 Interfaccs	No
Extra Comments Sheets	Yes

Drawings / Documents Attached
Photos Attached

INSPECTION CONDUCTED BY

NAME
Eric Clark (PA)

DATE
9th August 2007

WITNESS BY

NAME
Eric Clark (PA)

DATE
9th August 2007

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CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions		N/A
Security / Locking Fitted		N/A
Markings for destination and description		N/A
Warning labels relating to handling lifting and stacking limits		N/A
Any additional Comments	These items were part of a delivery Hand Carried by Pete Hargreaves. Each item was double Bagged and the bag Labeled	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		N/A
Internal padding / packaging required		Checked
Mounting provisions secure		N/A
Any additional Comments	No environmental monitors fitted See Additional remarks above	See Remarks

ENVIORNMENTAL MONITORS						
<u>Temp Monitors</u>	<u>Humidity Monitors</u>	<u>Shock Sensors Triggerd Information</u>				
Fitted: <input type="text" value="No"/>	Fitted: <input type="text" value="No"/>	5g	10g	15g	25g	50g
Condition: <input type="text" value="N/A"/>	Condition: <input type="text" value="N/A"/>					

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		N/A
Instrument label	"I Side" Scratched on topside of beam splitters	See Remarks
Note status of external contamination	None Visible but not Black light checked	See Remarks
Degradation of paintwork or Coating?	Some small indents/marks on both faces of 1604 & 1603 unable to photograph due to reflections for filters see Extra Comments Sheet	See Remarks
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments	Beam Splitters Containers are labled and serial numbered but not items However as they are interchangeable this is not a problem	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		N/A
Damaged Sockets		N/A
Internal Debris		N/A
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	No Electronics or connenvtors on this ITEM	N/A

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		No
Transportaion Documents	Delivered by Hand	No
Packing un- Packing instructions	In the PFM 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

Filter			
Type	Number	S/N	Comments
CFIL	1	W975	Small Dents, Bumps, and slight waterbtype Marks on both Faces of Filter
PFIL	2	W978	Short hair like Marks on Both Facesof Filter
PFIL	3	W1029	OK
SFIL	2	B673	Water type marks both faces of filter
SFIL	3L	B736	Small dents &n Bumps both Faces of Filter
SFIL	3S		To be sent wk ending 17-Aug-07
Beam Splitters			
SBS		1603	Some small indents / marks on both sides of filter
SBS		1604	Some small indents / marks on both sides of filter
Note: Unable to photograph Marks ,Dents, Bumps etc due to the reflective qualities of the Filters and splitters surfaces			