

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002579**

Issue **1**

Sub System **FPU**

Date **26th January 2006**

Model **PFM**

INCOMING INSPECTION REPORT

FROM
CSL
Centre Spatial de Liège, LIEGE Science Park, Avenue du Pré-Aily, B-4031 ANGLEUR, Belgium

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	
Documentation	Yes
Verification of Interfaces	
Extra Comments Sheets	

Drawings / Documents Attached
Photo's

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
26th January 2006

NAME
Eric Clark (PA)

DATE
26th January 2006

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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		Checked
Any additional Comments	Transport container consists of Outer Metal box on wheels, sprung mounted inner box Cover (Shock sensors mounted on it) with FPU inside. mounted on	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	Packed by RAL personnel at CSL before returning instrument	See Remarks

ENVIROMENTAL MONITORS						
Temp Monitors		Humidity Monitors		Shock Sensors Triggerd Information		
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="Yes"/>	5g	10g	15g
Condition:	<input type="text" value="N/A"/>	Condition:	<input type="text" value="Satisfactory"/>	25g	50g	
				X Axis		OK
				Y Axis		OK
				Z Axis		OK

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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?		Correct
Additional Comments	Unit looked Clean PFO & Witness plates to be measured	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		See remark
Damaged Sockets		See remark
Internal Debris		See remark
Connector Covers fitted		See remark
Connector Savers Fitted		N/A
EMC Covers Fitted		See remark
RED Tag Item / Green Tag Items fitted		See remark
Additional Comments	All connectors were covered with copper tape and will be inspected prior to integration	See remark

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		N/A for this inspection
Transportaion Documents		Yes
Packing un- Packing instructions	Packed and unpacked by RAL Personnel	No
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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Issue 1

Sub System FPU

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Model PFM

EXTRA COMMENT SHEET

The FPU has been continuously monitored whilst away from RAL for Cold Vibration Test all packing unpacking and repositioning on Vibration fixture has been performed with RAL personnel present.

SPIRE PFM FPU INCOMING INSPECTION REPORT: - SPIRE-RAL-REP-002579

Before removing Metal Cover: X, Y & Z Shock Monitors 15g & 25g All ok



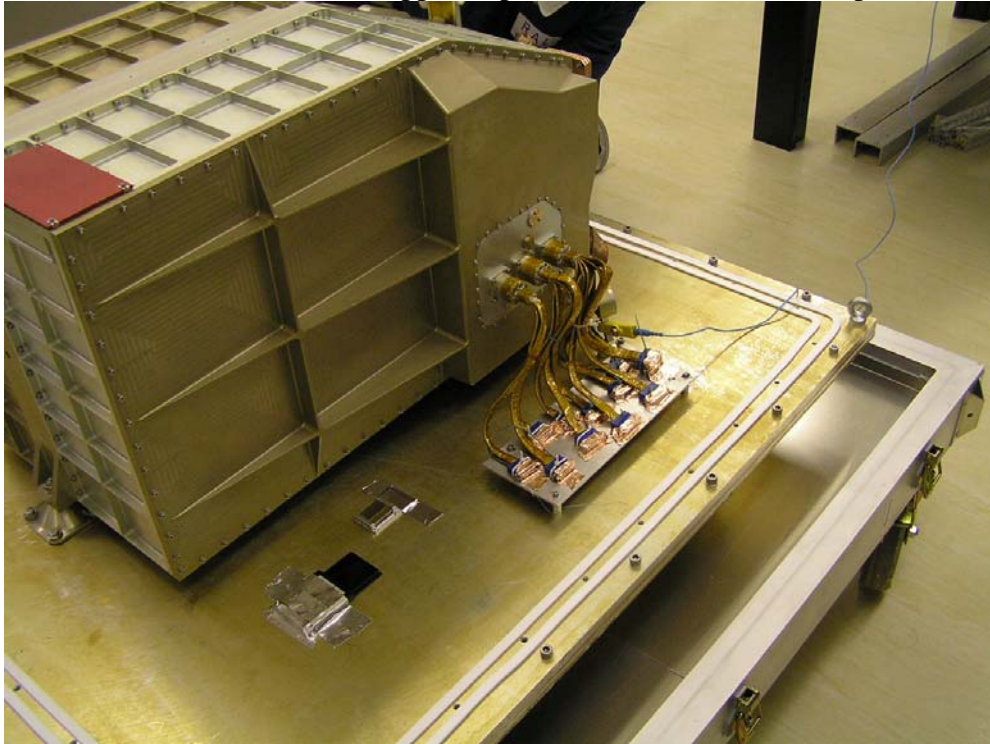


Metal Cover removed showing FPU double Bagged



FPU in Tunnel area G56 with ESD strap connected

Shows JFET connectors covered with Copper Tape for cleanliness and ESD protection



Shows Opposite side JFET connectors etc covered with Copper Tape for cleanliness and ESD protection

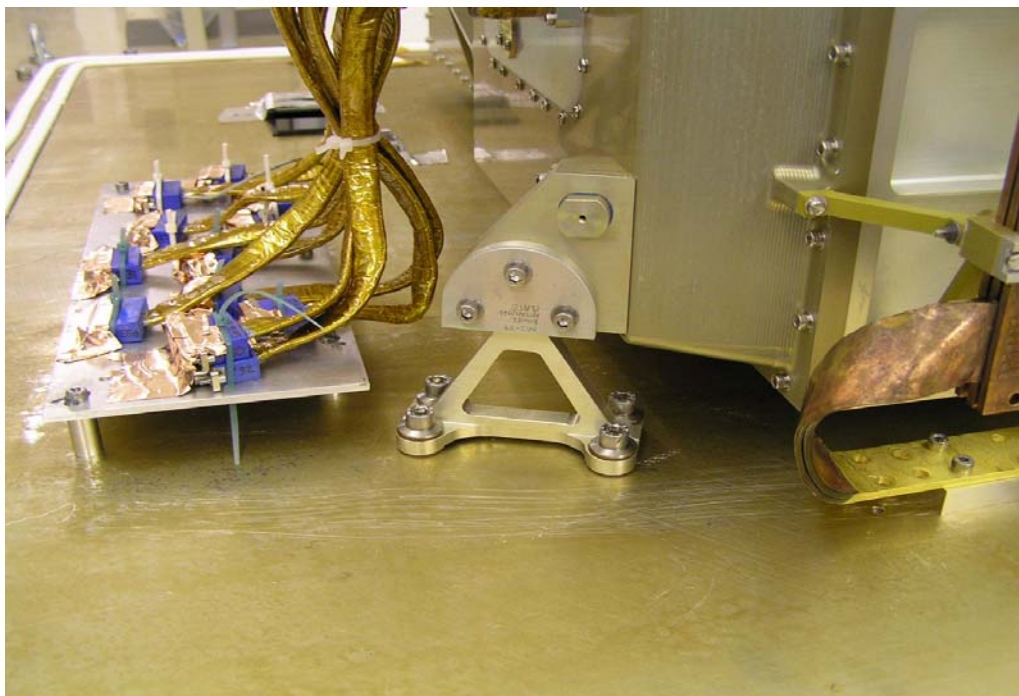


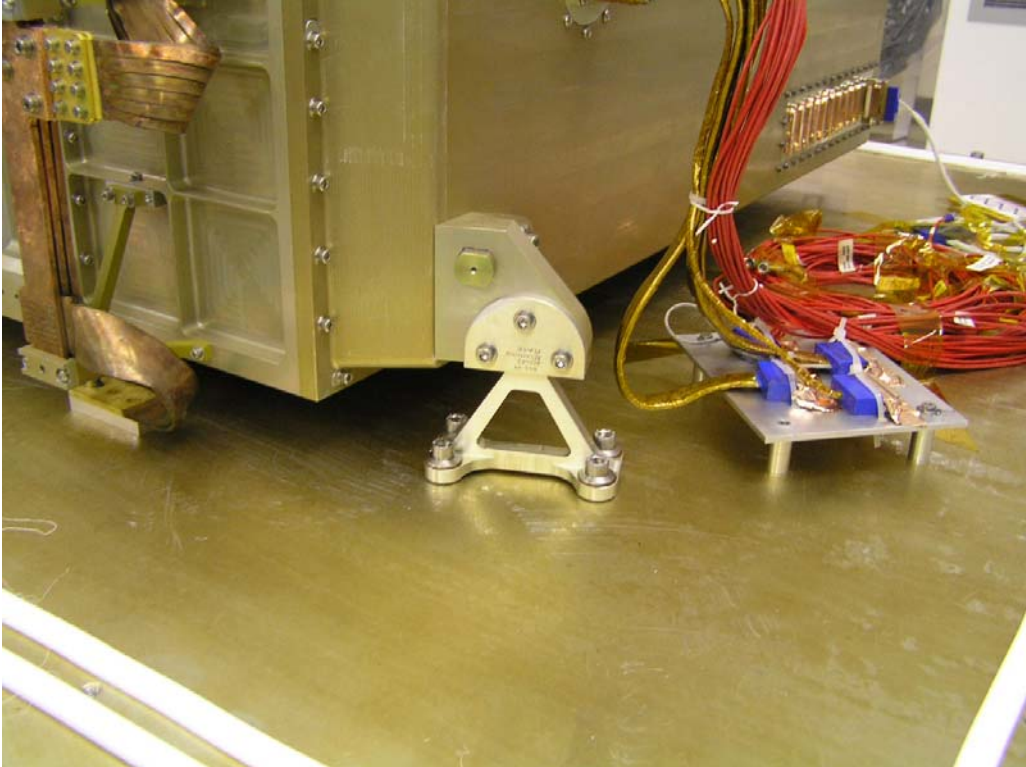
Flight CRF "A" Frames and stainless steel cone

Were replaced with Non Flight for transit of FPU back to RAL



Transit "A" Frames fitted





Transit Cone fitted

