

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002764**

Issue **1.0**

Sub System **L0 Straps pre Gold Plating**

Date **30-Oct-06**

Model **PFM**

INCOMING INSPECTION REPORT

FROM	
MSSL	
Mullard Space Science Lab, Surrey	

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 Interfaccs	No
Extra Comments Sheets	

Drawings / Documents Attached
Photo's

INSPECTION CONDUCTED BY

NAME
Alan Pearce

DATE
30/10/2006

WITNESS BY

NAME
Eric Clark (PA)

DATE
30/10/2006

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CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions	See Comments	See Remarks
Security / Locking Fitted	See Comments	See Remarks
Markings for destination and description	See Comments	See Remarks
Warning labels relating to handling lifting and stacking limits	See Comments	See Remarks
Any additional Comments	ITEMS Delivered by Hand from MSSL to Alan Pearce	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging	See Comments	See Remarks
Internal padding / packaging required	See Comments	See Remarks
Mounting provisions secure	See Comments	See Remarks
Any additional Comments	STAPS are mounted on Carriers to prevent damage or distortion in transit, Ready for Gold Plating. Delivered by hand no environmental Monitors fitted	See Remarks

ENVIROMENTAL MONITORS						
Temp Monitors	Humidity Monitors	Shock Sensors Triggerd Information				
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"/>	X Axis				
		Y Axis				
		Z Axis				

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list	Pump and Evaporator End parts only delivered	See Remarks
Instrument label	Parts were not labeled	See Remarks
Note status of external contamination	Pump strap had one screw not fully screwed in, and mark on one section, see Photos. Evaporator Strap OK	See Remarks
Degradation of paintwork or Coating?	As Above	See Remarks
Fasteners correctly locked?	As Above	See Remarks
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments		None

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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		
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments	NO CONNECTORS FITTED MECHANICAL FITTING ONLY	See remark

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	Electronic Data Pack supplied under review	Yes
Transportaion Documents		No
Packing un- Packing instructions	With Items including Inspection records (completed at RAL for incoming inspection	Yes
Additional Comments		None

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

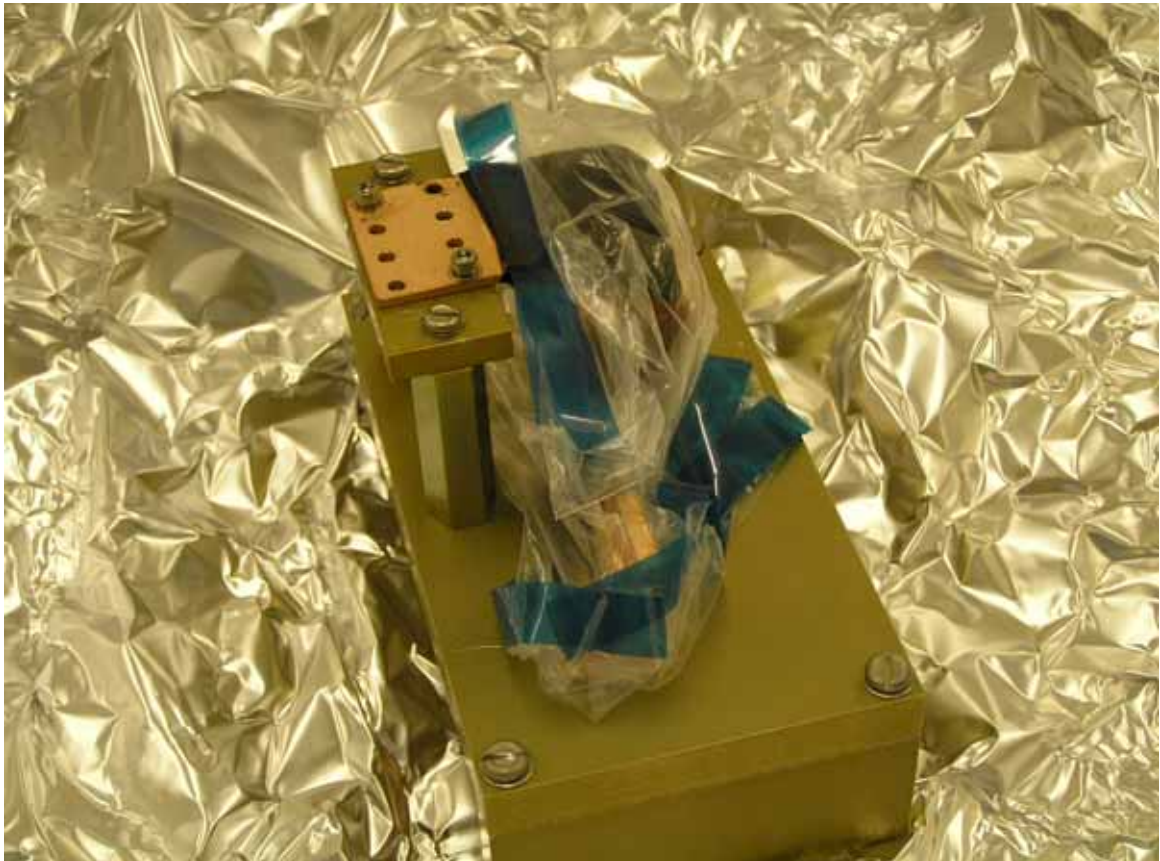
The Delivery consists of three support frames with the following straps mounted on them.

- Evaporator Strap Supplied to RAL for Gold Plating. Visual inspection only no electrical measurements were made
- Pump Strap Supplied to RAL for Gold Plating. Visual inspection only no electrical measurements were made
- Spectrometer Strap Not Part of this delivery

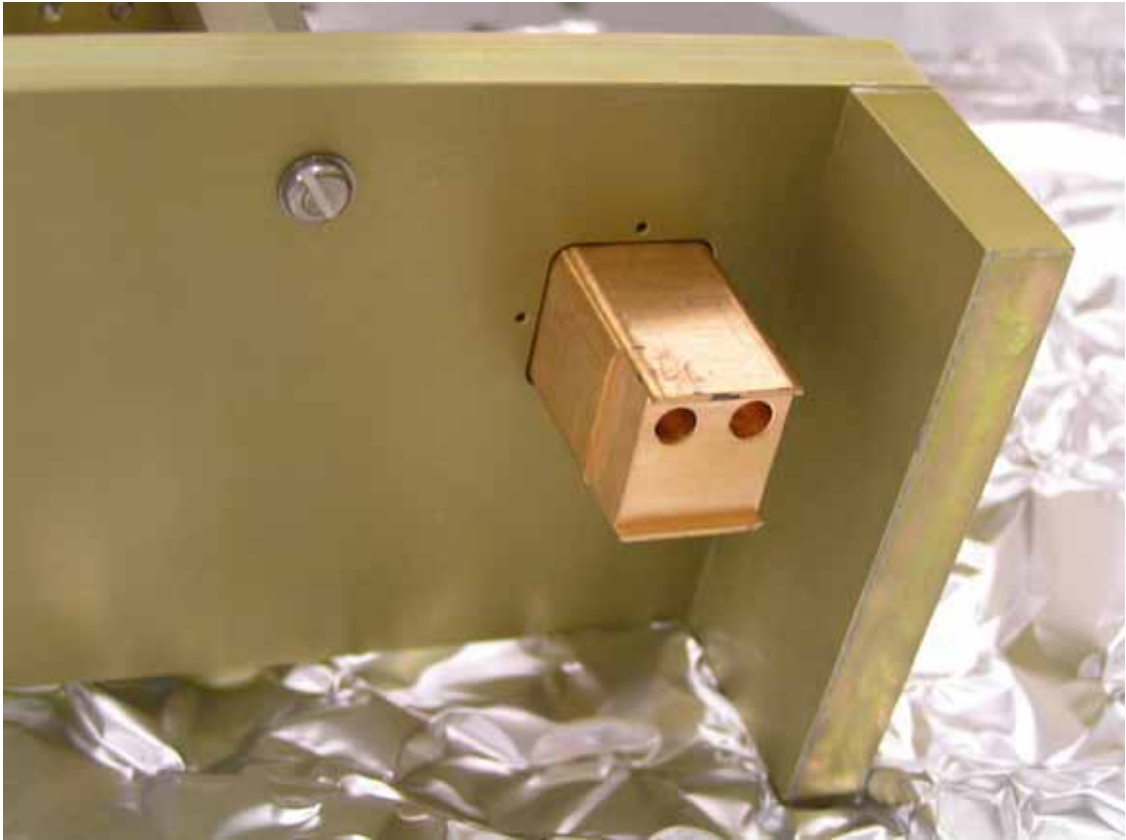
Pump & Evaporator Lo Straps Transit Box.



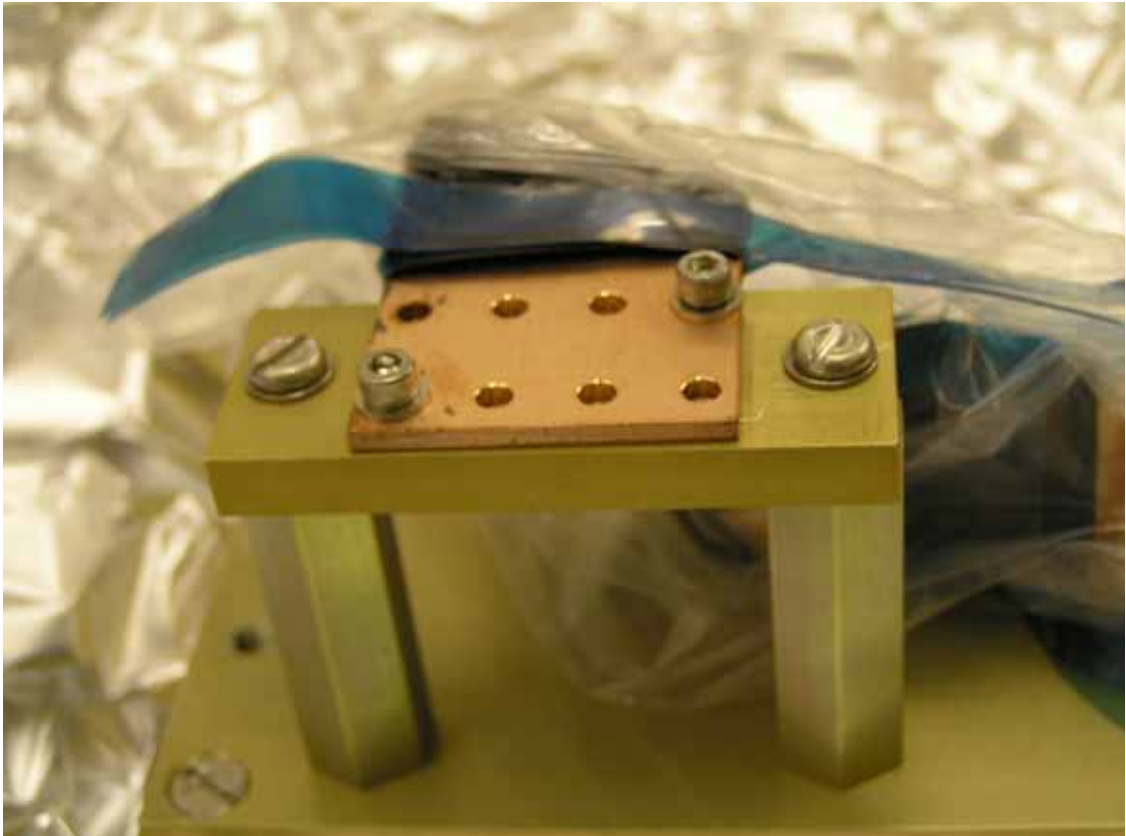
Evaporator Strap General View



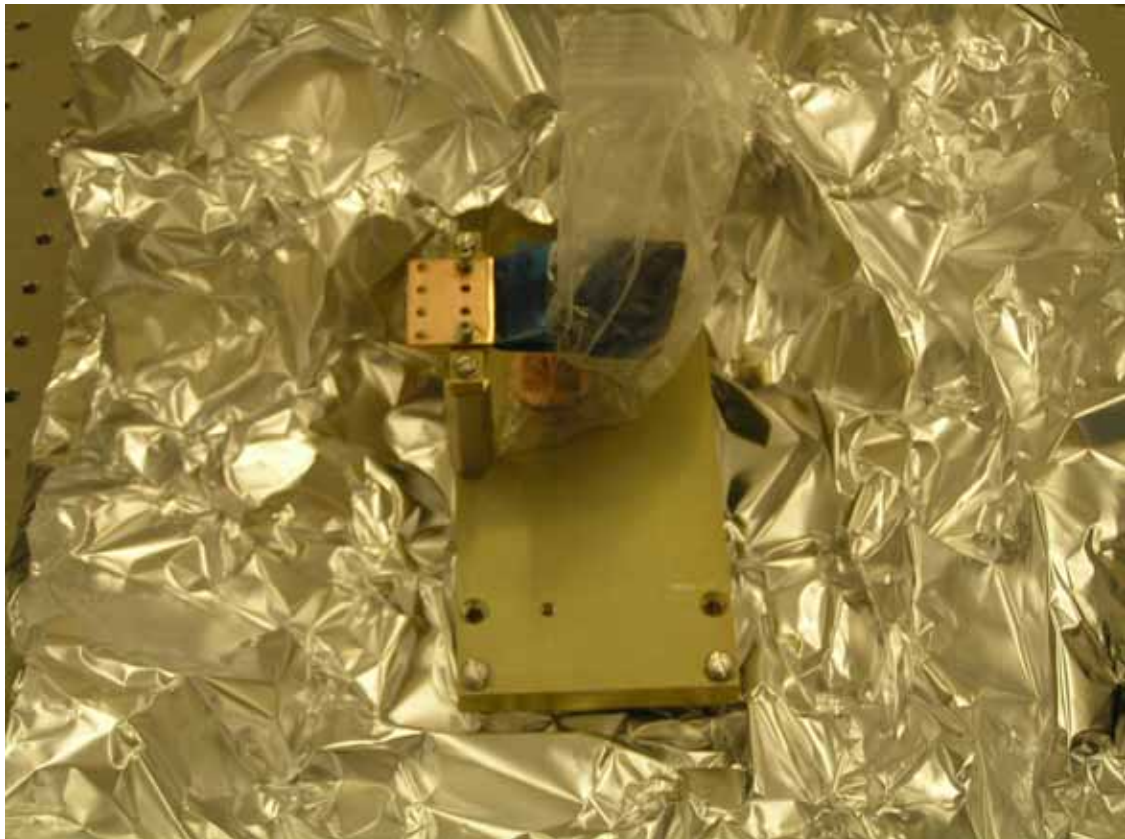
Evaporator Lower View.



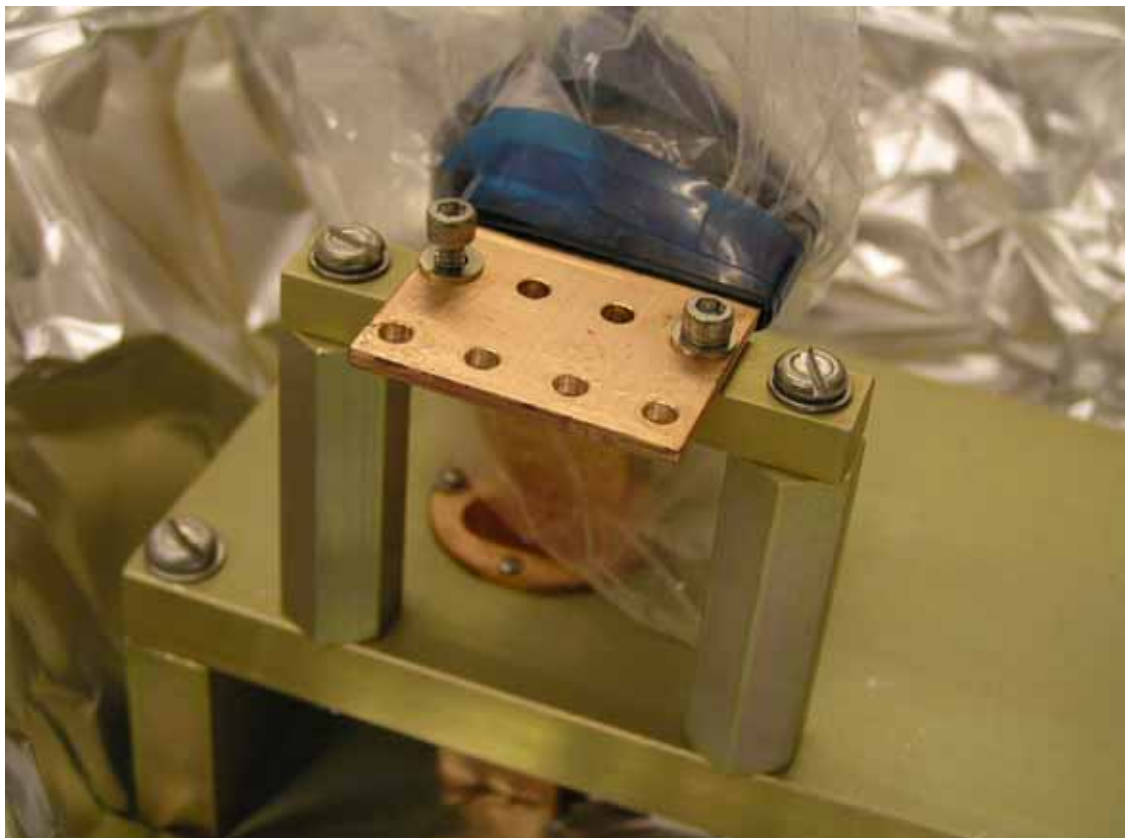
Evaporator Top View



Pump General View



Pump Showing screw not fully down



Pump Showing Mark on lower section.



Pump View from under support Frame

