

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002903**

Issue **1**

Sub System **Sorption Cooler**

Date **8th June 2007**

Model **FS**

INCOMING INSPECTION REPORT

FROM
SBT
CEA Service du Basse Temperatures, Grenoble

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	Yes
Documentation	Yes
Verification of Interfaces	No
Extra Comments Sheets	Yes

Drawings / Documents Attached
Photos

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
8th June 2007

NAME
Eric Clark (PA)

DATE
8th June 2007

SSTD Incoming Inspection Report

Spacecraft/Project	HERSCHEL / SPIRE	Document Number	SPIRE-RAL-REP-002903	Issue		1
Sub System	Sorption Cooler	Date	8th June 2007	Model		FS

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	Above Applies to Transit case	None

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	Cooler is in a purpose built pressurised (+0.2 Bar) transit / storage container All Shock monitors intact	Checked

ENVIROMENTAL 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"/>	Condition:	<input type="text"/>					
				X Axis				
				Y Axis				
				Z Axis				

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP-002903**

Issue **1**

Sub System **Sorption Cooler**

Date **8th June 2007**

Model **FS**

INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		
Instrument label		Correct
Note status of external contamination		None
Degradation of paintwork or Coating?		None
Fasteners correctly locked?		Acceptable
Check protective covers are correctly labelled and fitted?		Acceptable
Additional Comments	To be Completed at integration when cooler removed from pressurised container	See Remarks

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP-002903**

Issue **1**

Sub System **Sorption Cooler**

Date **8th June 2007**

Model **FS**

INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		Pass
Damaged Sockets		Pass
Internal Debris		None
Connector Covers fitted		None
Connector Savers Fitted		Pass
EMC Covers Fitted		None
RED Tag Item / Green Tag Items fitted		None
Additional Comments	To be Completed at integration when cooler removed from pressurised container	See remark

SSTD Incoming Inspection Report

Spacecraft/Project	HERSCHEL / SPIRE	Document Number	SPIRE-RAL-REP-002903	Issue	1
Sub System	Sorption Cooler	Date	8th June 2007	Model	FS

DOCUMENTATION CHECK LIST

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

SSTD Incoming Inspection Report

Spacecraft/Project	HERSCHEL / SPIRE
--------------------	------------------

Document Number	SPIRE-RAL-REP-002903
-----------------	----------------------

Issue	1
-------	---

Sub System	Sorption Cooler
------------	-----------------

Date	8th June 2007
------	---------------

Model	FS
-------	----

EXTRA COMMENT SHEET

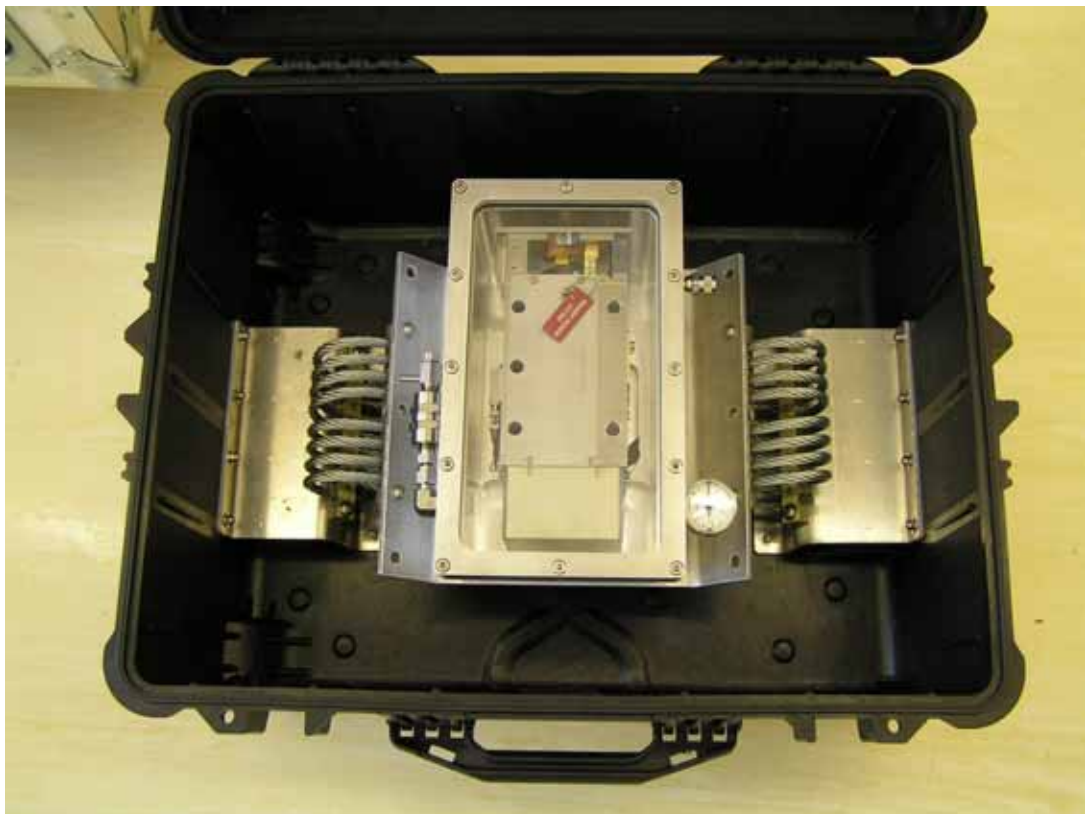
Cooler Sn 03 REF No 200-14b-00

Warning note on cooler Evap strap screws to be 5mm longer than PFM 1(see photos)

Cooler Transit container



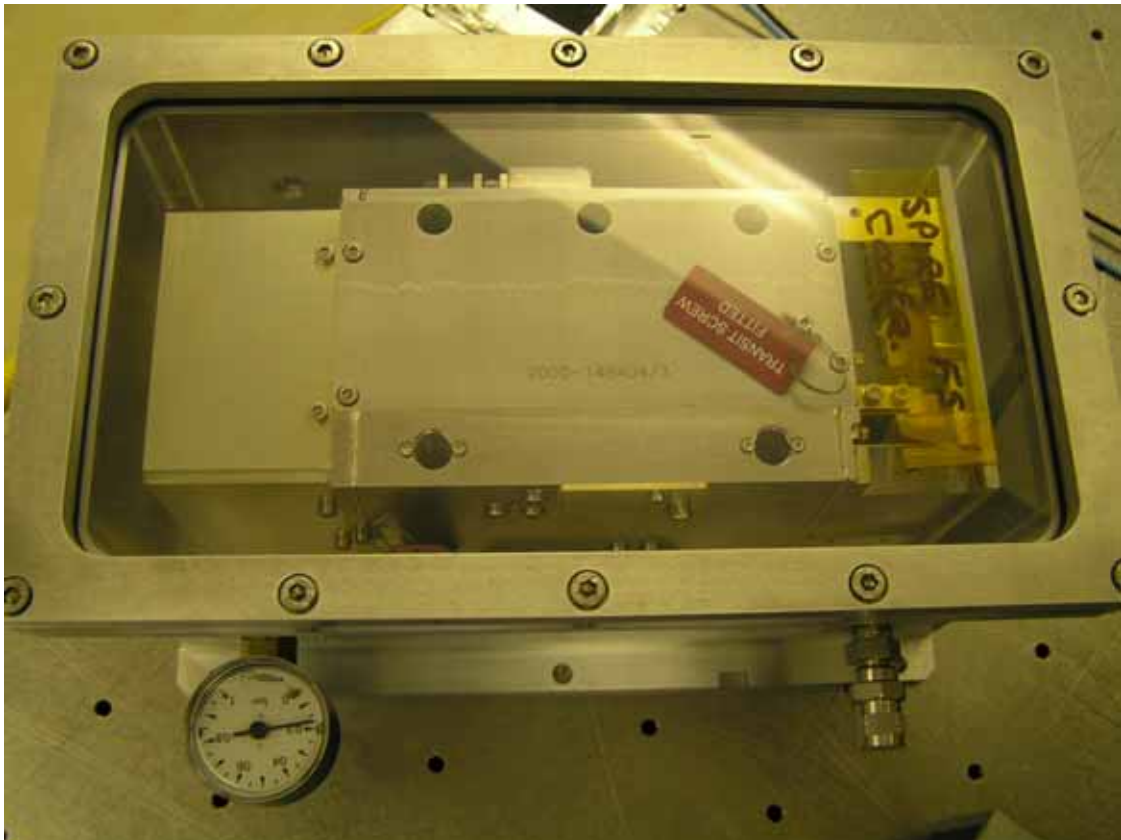
Cooler Transit box in transit container



Pressure set



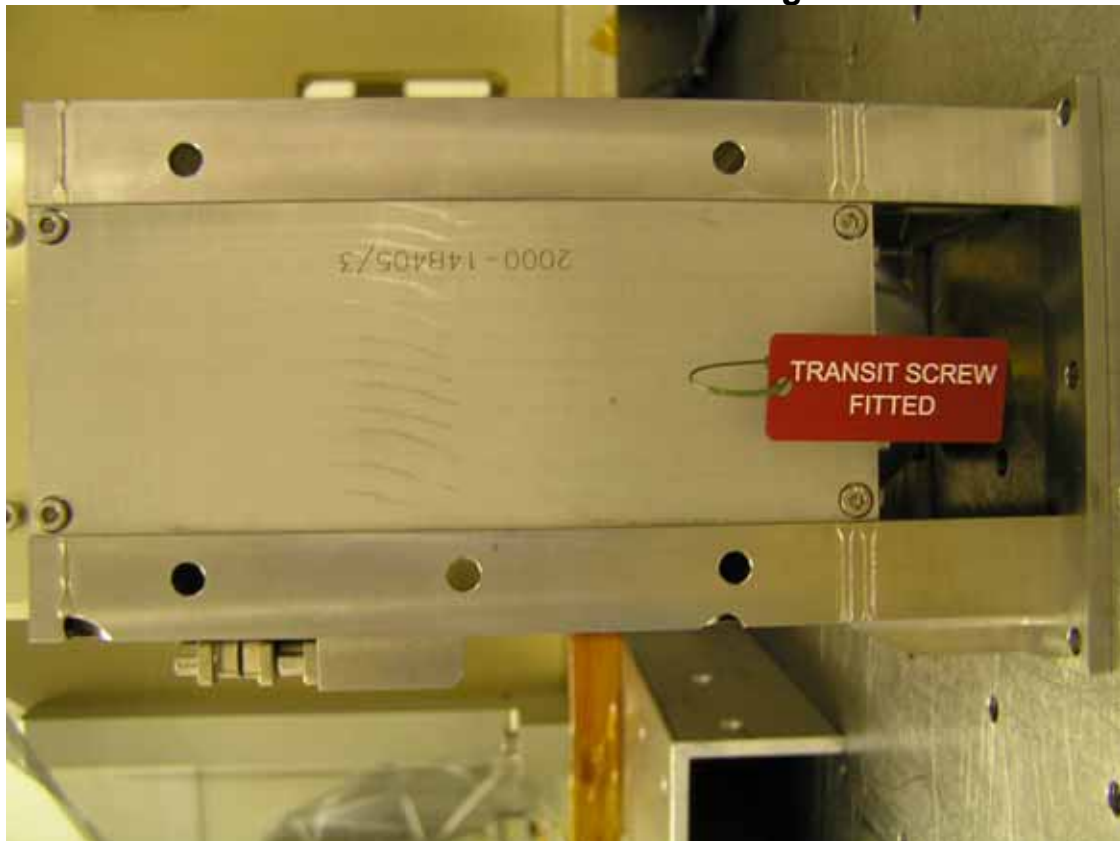
Cooler in its Transit box with Transit Screws Fitted Label Showing



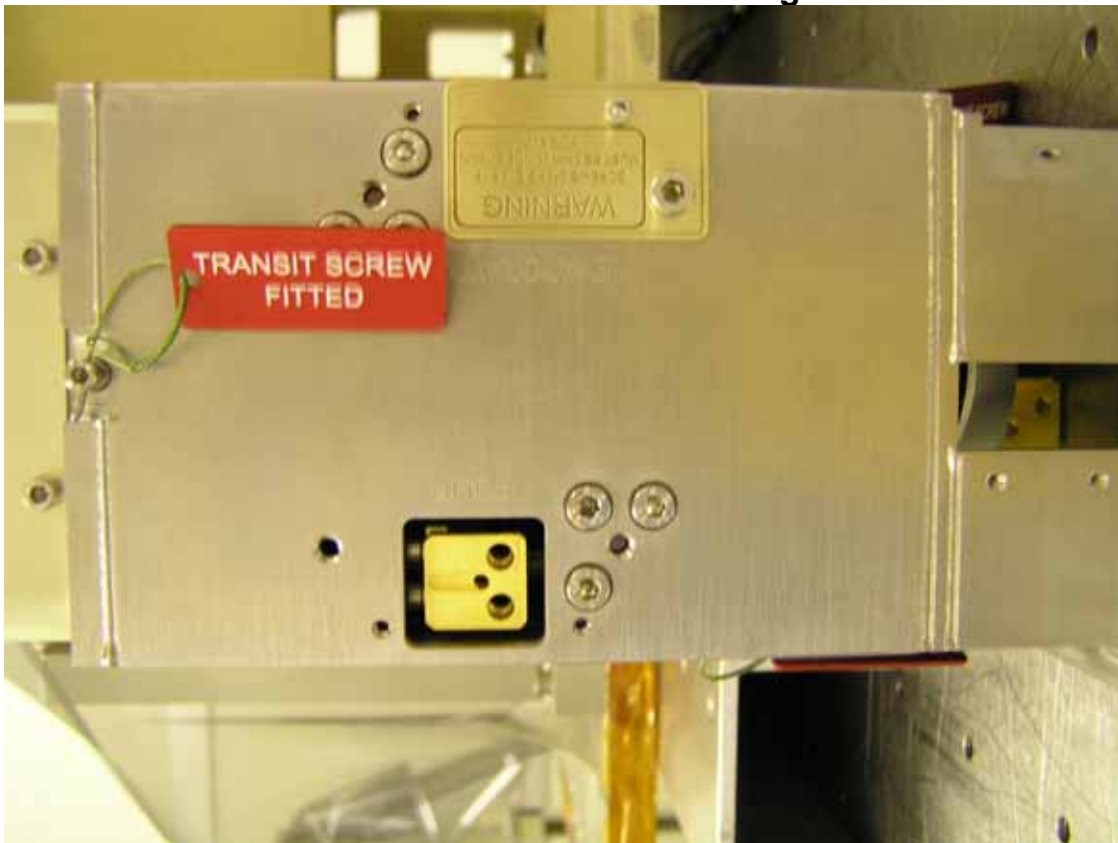
Cooler out of Pressurised Transit container showing Transit Screw 1 fitted



Cooler out of Pressurised Transit container showing Transit Screw 2 fitted



Cooler out of Pressurised Transit container showing Transit Screw 3 fitted



Cooler out of Pressurised Transit container showing Transit Screw 4 fitted

