

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHELL/SPIRE**

Document Number **SPIRE-RAL-REP- 002234**

Issue **1**

Sub System **Sorption Cooler**

Date **25-Nov-04**

Model **PFM**

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	No

Drawings / Documents Attached
Photographs

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Alan Pearce

DATE
25/11/2004

NAME
Eric Clark (PA)

DATE
25/11/2004

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Document Number

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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		N/A
Warning labels relating to handling lifting and stacking limits		N/A
Any additional Comments	Unit Hand carried by RAL Personnel (Major shock monitor fitted to outer case OK)	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required		N/A
Mounting provisions secure		Checked
Any additional Comments	Shock monitor on internal transit Box OK	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	Not Fitted	Not Fitted	Not Fitted	Not Fitted
				Y Axis	Not Fitted	Not Fitted	Not Fitted	Not Fitted
				Z Axis	Not Fitted	Not Fitted	Not Fitted	Not Fitted

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
Instrument label		Correct
Note status of external contamination		None
Degradation of paintwork or Coating?		N/A
Fasteners correctly locked?	Screws not Staked	See Remarks
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments	RAL Advised to Vacuum unit before integration	See Remarks

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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		Pass
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		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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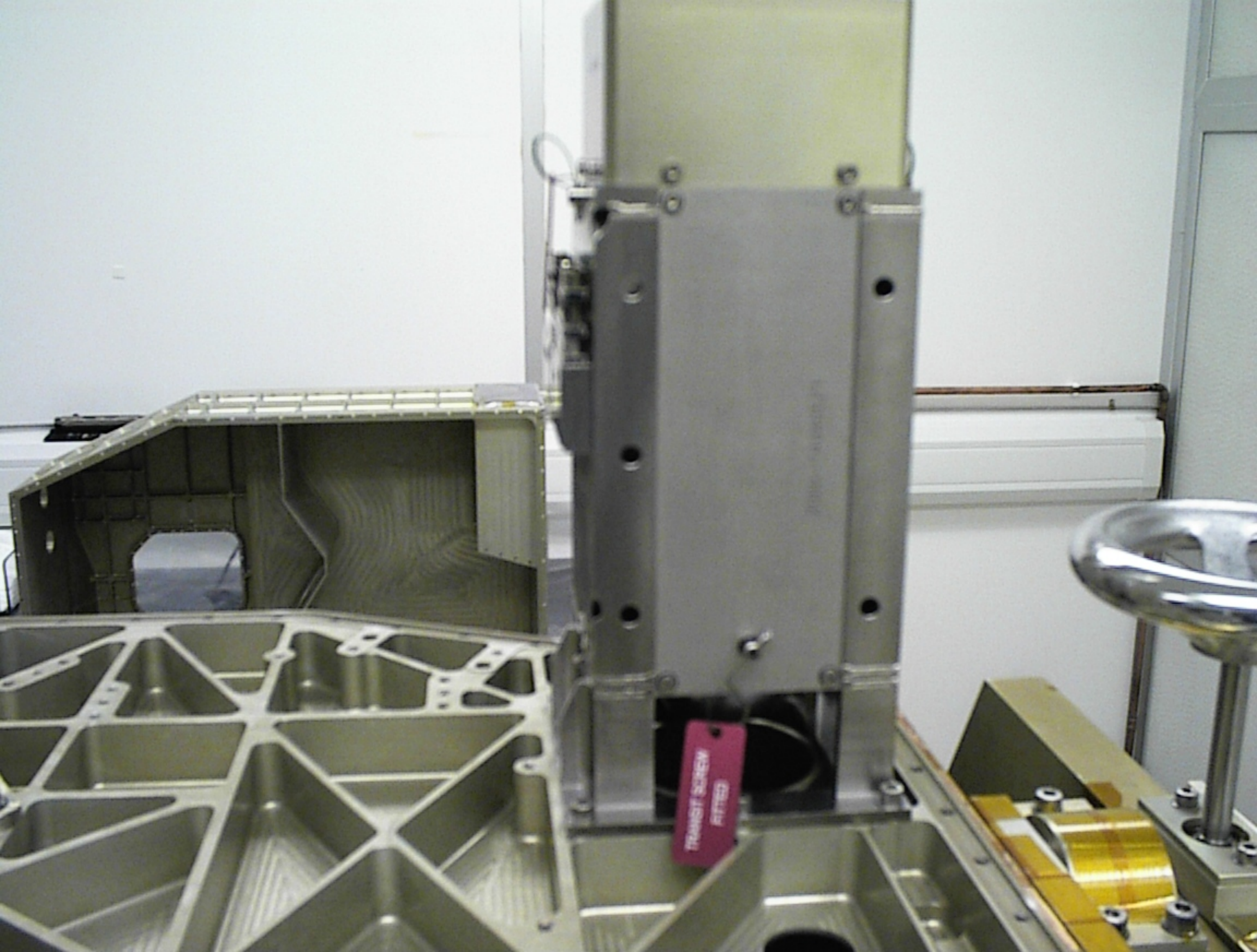
Issue	1
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Sub System	Sorption Cooler
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Date	25-Nov-04
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Model	PFM
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EXTRA COMMENT SHEET



TRANSIT SCREW
FITTED

TRANSIT SCREW
FITTED

REDUNDANT

MAIN

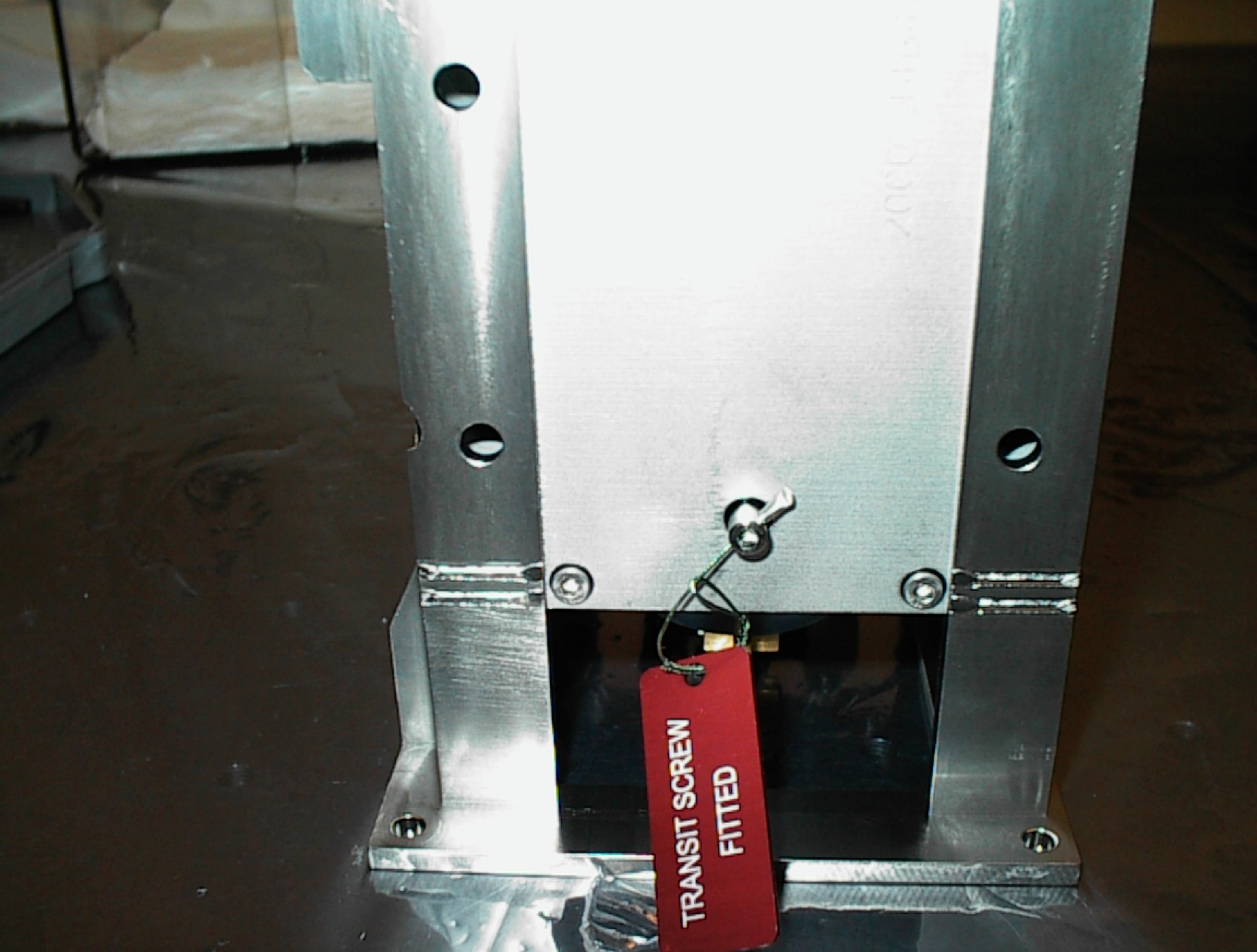
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S/N :

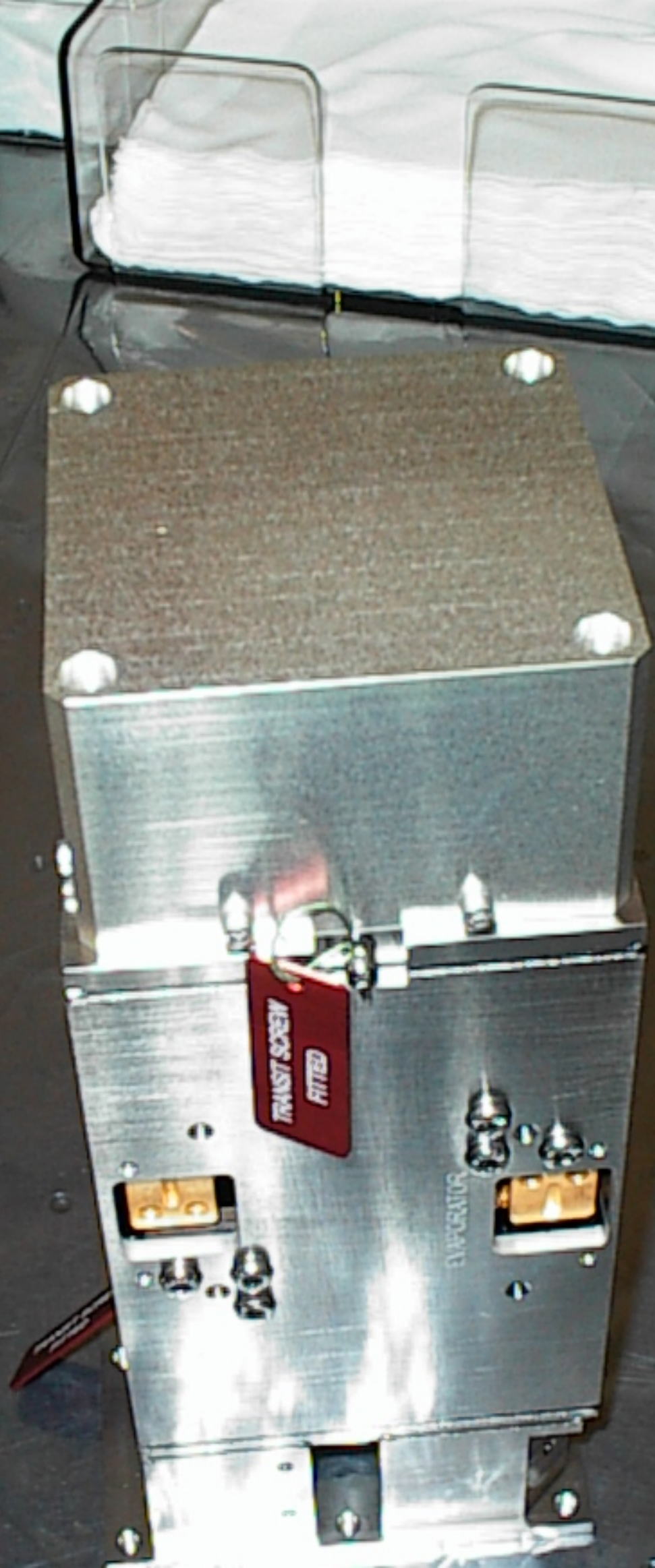
HERSCHEL SPACE OBSERVATORY
SPIRE & PACS SORPTION COOLERS
SET CEA-GRENOBLE

2000-14-B12

TRANSIT SCREW
FITTED

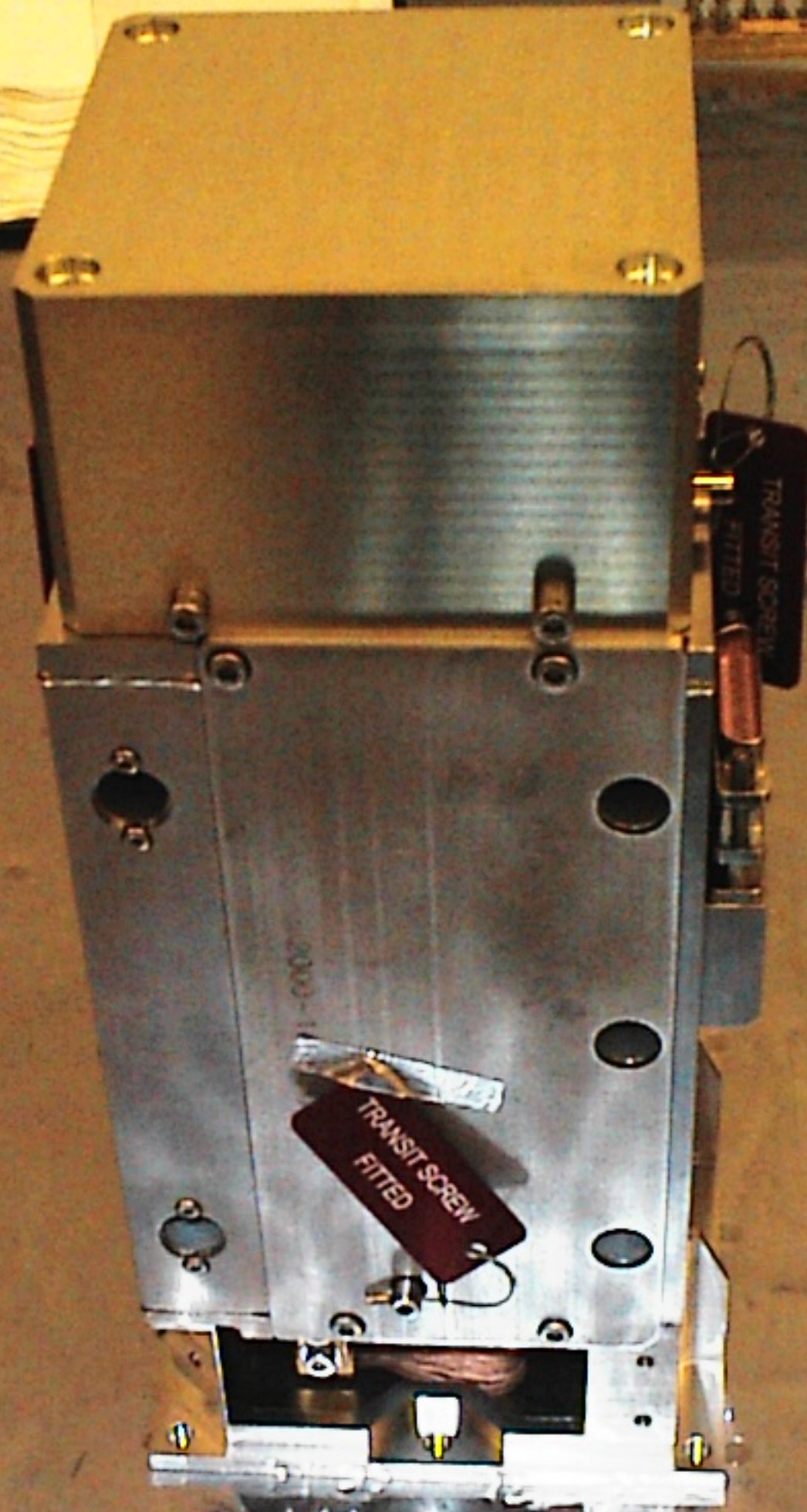
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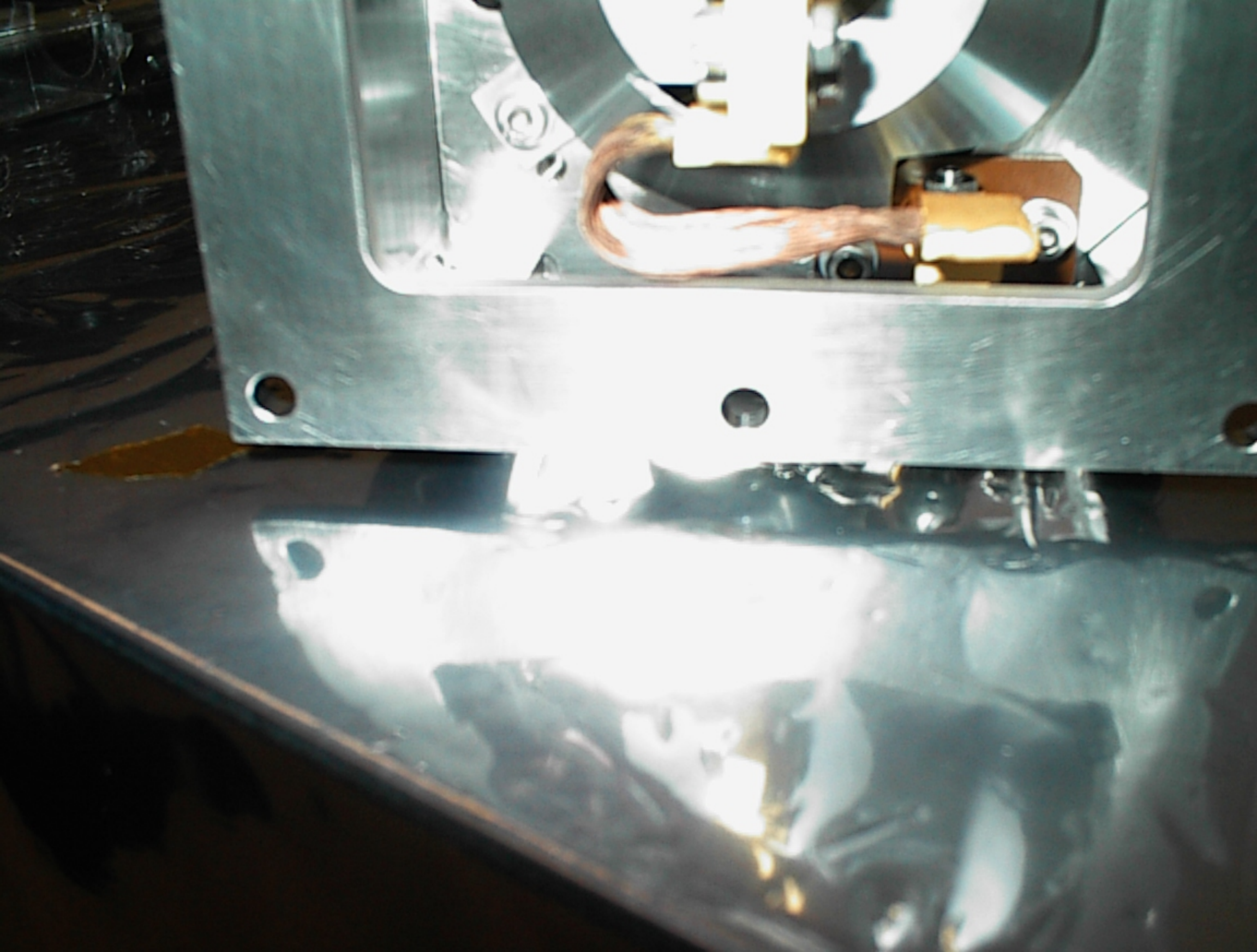
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FITTED

EVAPORATOR

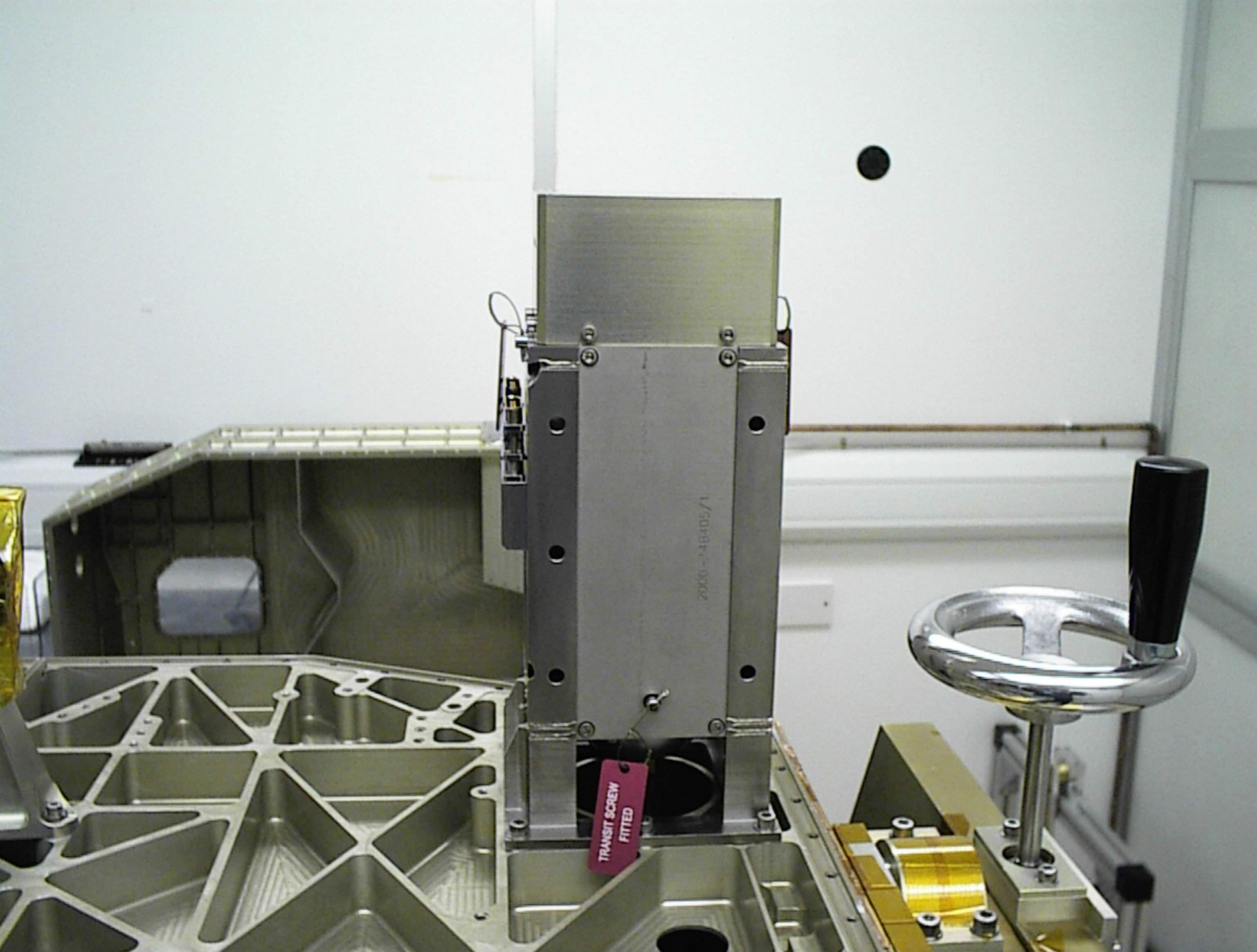


TRANSIT SCREW
FITTED

TRANSIT SCREW
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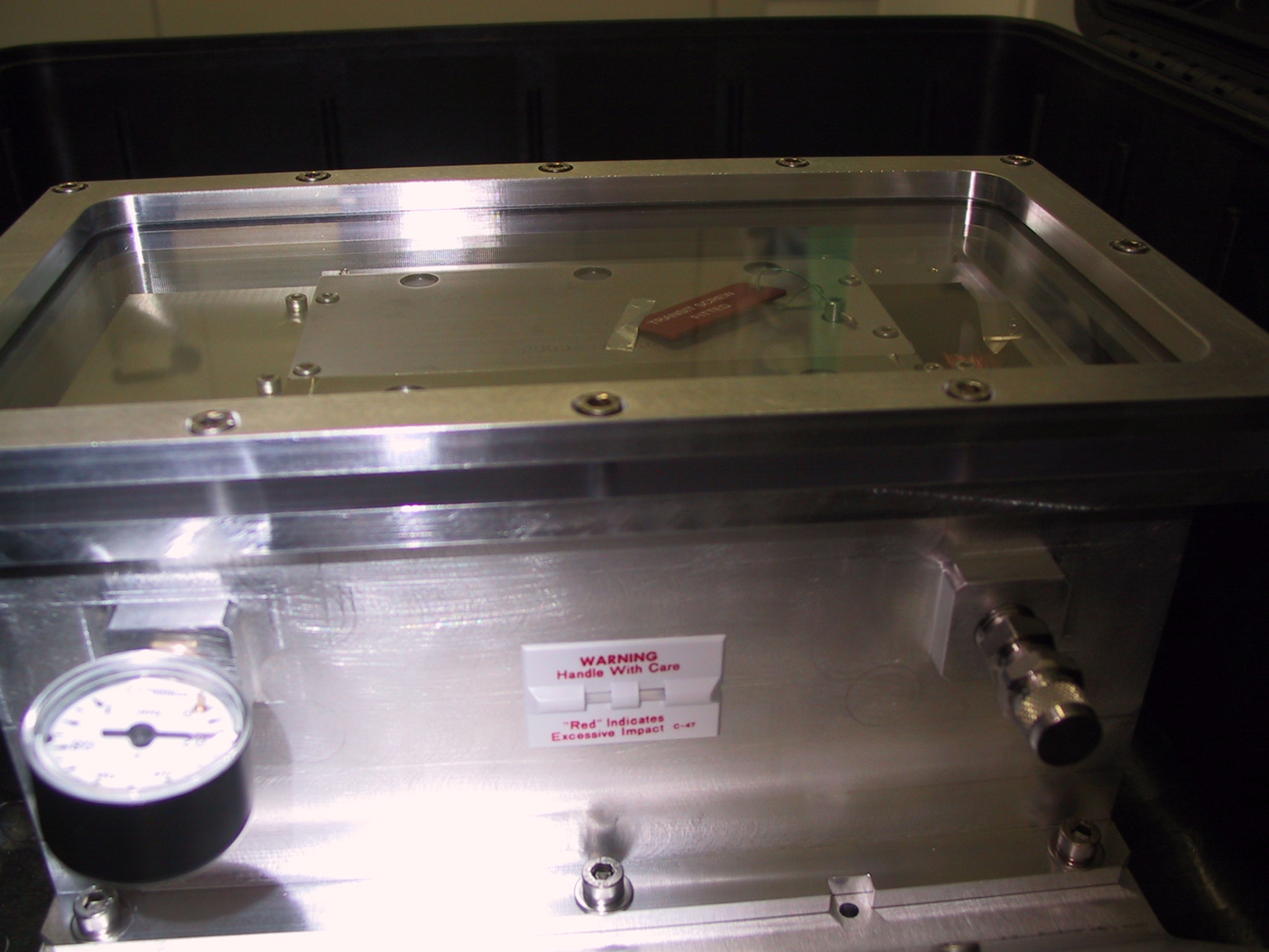






TRANSIT SCREW
FITTED

2000-146405/1



WARNING
Handle With Care

"Red" Indicates
Excessive Impact c-47

MWDM2L-37SSB-429

REDUNDANT

MWDM2L-37SSB-429

MAIN

Sorption cooler FM
Ref. : 2000-14B 000
S/N : 1

HERSCHEL SPACE OBSERVATORY
SPIRE & PACS SORPTION COOLERS
SST CEA-GRENOBLE

3D Design : Laurent GUILLET

Technical Team : Laurent CLERC

Technical Team : Laurent MIQUET

Numerical Modeling : Roger VALLCORBA

Electronic Team : Denis COMMUNAL

Contributors : Patrick DUPONT

Jean Louis DURAND

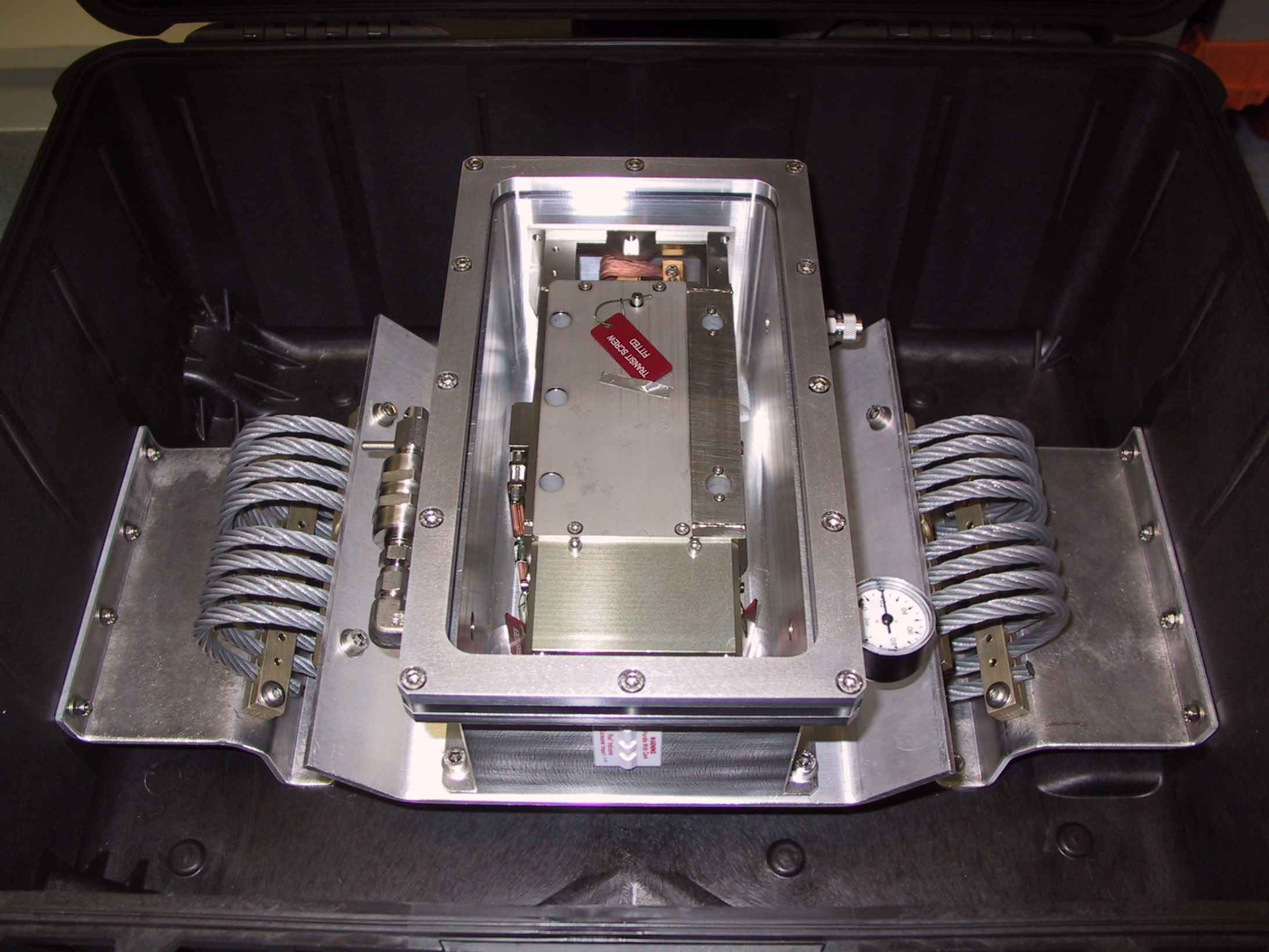
Eric ERCOLANI

Didier GUILLAUME

Nicolas LUCHIER

PA Manager : Michel DUBOIS

Project Manager : Lionel DUBRAND



WARNING
Handle With Care
Full Indicator
Excessive Impact