

# SSTD Incoming Inspection Report

Spacecraft/Project    **HERSCHEL / SPIRE**

Document Number    **SPIRE-RAL-REP- 002172**

Issue    **1.1**

Sub System    **Cryogenic cable F28C**

Date    **25/10/2004 up dated 27/10/04**

Model    **PFM/FS**

## INCOMING INSPECTION REPORT

FROM
Tekdata

TO
<b>SPIRE Project</b> <b>Rutherford Appleton Laboratory</b> <b>Space Science and Technology Department</b> <b>Chilton</b> <b>DIDCOT</b> <b>OXON</b> <b>OX11 0QX</b>

Applicable sections	
Containers	YES
External Visual Inspection	YES
External Connector	YES
Documentation	YES
Verification of Interfaccs	NO
Extra Comments Sheets	NO

Drawings / Documents Attached
None

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME

DATE

NAME

DATE

Eric Clark

25/10/2004 up dated  
27/10/04

Eric Clark (PA)

25/10/2004 up dated  
27/10/04

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## CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions	Hand Delivered by Tekdata	See Remarks
Security / Locking Fitted		N/A
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits		N/A
Any additional Comments		None

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		None

ENVIROMENTAL MONITORS																									
Temperature	Not Fitted	Condition	N/A	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Shock Sensors Triggerd Information</th> </tr> <tr> <th></th> <th style="text-align: center;">5g</th> <th style="text-align: center;">10g</th> <th style="text-align: center;">15g</th> </tr> </thead> <tbody> <tr> <td>X Axis</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> </tr> <tr> <td>Y Axis</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> </tr> <tr> <td>Z Axis</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> <td style="text-align: center;">N/F</td> </tr> </tbody> </table>		Shock Sensors Triggerd Information					5g	10g	15g	X Axis	N/F	N/F	N/F	Y Axis	N/F	N/F	N/F	Z Axis	N/F	N/F	N/F
Shock Sensors Triggerd Information																									
	5g	10g	15g																						
X Axis	N/F	N/F	N/F																						
Y Axis	N/F	N/F	N/F																						
Z Axis	N/F	N/F	N/F																						
Humidity	Not Fitted	Condition	N/A																						

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## INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		<b>CORRECT</b>
Instrument label		<b>CORRECT</b>
Note status of external contamination		<b>CORRECT</b>
Degradation of paintwork or Coating?	Cable Harnes N/A	<b>SEE REMARKS</b>
Fasteners correctly locked?	N/A	<b>SEE REMARKS</b>
Check protective covers are correctly labelled and fitted?	None	<b>SEE REMARKS</b>
Additional Comments		<b>NONE</b>

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## INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	Flight and Flight Spare cables inspected	PASS
Damaged Sockets	Flight and Flight Spare cables inspected	NONE
Internal Debris	Flight and Flight Spare cables inspected	NONE
Connector Covers fitted	Flight and Flight Spare cables inspected	NONE
Connector Savers Fitted	Flight and Flight Spare cables inspected	NONE
EMC Covers Fitted	Flight and Flight Spare cables inspected	NONE
RED Tag Item / Green Tag Items fitted	Flight and Flight Spare cables inspected	NONE
Additional Comments	F28C PO1 skt clearly Marked- other end only F28C visible PO2 Missing: Both connectors on PFM cable clearly marked. The cables will be identified as FS & PFM as required.	See remark

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## DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	Paperwork to follow only CoC & Despatch note supplied	See Remarks
Transportaion Documents		N/A
Packing un- Packing instructions		N/A
Additional Comments		

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## 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.

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EXTRA COMMENT SHEET
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