

Spacecraft/Project HERSCHELL/SPIRE

Document Number SPIRE-RAL-REP-

Issue 1

Sub System JFET Sn 12 to 15

Date 7th March 2005

Model PFM

INCOMING INSPECTION REPORT

FROM
JPL
 Los Angeles, USA

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

INSPECTION CONDUCTED BY

WITNESS BY

NAME
 Eric Clark (PA)

DATE
 7th March 2005

NAME
 Scott from JPL

DATE
 7th March 2005

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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		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	The JFETS are packed in two per Transit case with each transit case being packed in a Large cardboard Box	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	On Sn14 & 15 the 10gshock monitor was tripped in X direction only.	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	20g	50g	
Condition:	<input type="text" value="N/A"/>	Condition:	<input type="text" value="N/A"/>	X Axis	N/F	Both	N/F	Both	OK
				Y Axis	N/F	Both	N/F	Both	OK
				Z Axis	N/F	N/F	N/F	N/F	N/F

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
Instrument label		Correct
Note status of external contamination	See Additional comments	See Remarks
Degradation of paintwork or Coating?		Acceptable
Fasteners correctly locked?		Correct
Check protective covers are correctly labelled and fitted?		Correct
Additional Comments	SN 15 Adhesive type residue on SN35 Face removed with IPA SN 13 Adhesive type residue on SN03 Face removed with IPA SN 13 Fabric like strand of material adhered to JFET end of Harness connector SN 12 Small amount of Adhesive type residue on both Faces removed with IPA	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment	Some pins were almost touching the sides of the hole in the fixed connector savers	See remark
Damaged Sockets		None
Internal Debris		None
Connector Covers fitted		Pass
Connector Savers Fitted		Pass
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		None
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	In EIDP	Yes
Additional Comments	The Unpacking was witnessed and supported by Scott Hughes from JPL	

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
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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

SN	Mass	Comments	Measured Dimension in mm			
			LEFT Side	RIGHT Side	Left Flange	Right Flange
12	349 gm	With Harness, savers and covers fitted	87.78	87.80	0.98	1.00
13	351 gm	With Harness, savers and covers fitted	87.91	87.89	1.01	1.02
14	348 gm	With Harness, savers and covers fitted	87.98	87.79	1.01	1.00
15	350 gm	With Harness, savers and covers fitted	87.83	87.83	0.99	0.99

Viewed from front (SN End) with SN readable