

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002956**

Issue **1**

Sub System **PCAL**

Date **9th August 2007**

Model **FS**

INCOMING INSPECTION REPORT

| FROM |
|--|
| <p>UCF Department of Physics and Astronomy, University of Wales, Cardiff,</p> |

| TO |
|--|
| <p>Project Rutherford Appleton Laboratory Space Science and Technology Department Chilton DIDCOT OXON OX11 0QX</p> |

| Applicable sections | |
|----------------------------|-----|
| Containers | Yes |
| External Visual Inspection | Yes |
| External Connector | Yes |
| Documentation | Yes |
| Verification of Interfaccs | No |
| Extra Comments Sheets | Yes |

| Drawings / Documents Attached |
|-------------------------------|
| Photos Attached |
| |
| |
| |
| |
| |

INSPECTION CONDUCTED BY

| NAME |
|-----------------|
| Eric Clark (PA) |

| DATE |
|-----------------|
| 9th August 2007 |

WITNESS BY

| NAME |
|-----------------|
| Eric Clark (PA) |

| DATE |
|-----------------|
| 9th August 2007 |

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CONTAINER INSPECTION

| TRANSPORT CONTAINERS EXTERNAL CONDITION | REMARKS | Status |
|---|---|-------------|
| Mechanical damage to container fasteners, locks, clips or handling provisions | | N/A |
| Security / Locking Fitted | | N/A |
| Markings for destination and description | | N/A |
| Warning labels relating to handling lifting and stacking limits | | N/A |
| Any additional Comments | These items were part of a delivery Hand Carried by Pete Hargreaves. Each item was double Bagged and the bag Labeled | See Remarks |

| 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 | See Additional remarks above | See Remarks |

| ENVIORNMENTAL 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 |
| Condition: | <input type="text" value="N/A"/> | Condition: | <input type="text" value="N/A"/> | 15g | 25g |
| | | | | 50g | |
| | | | | X Axis | |
| | | | | Y Axis | |
| | | | | Z Axis | |

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INSTRUMENT VISUAL INSPECTION

| CHECK LIST | REMARKS | RESULTS |
|--|--|-------------|
| Contents against shipping list | | N/A |
| Instrument label | Container Marked up but PCAL has no Visible Markings | See Remarks |
| Note status of external contamination | | Acceptable |
| Degradation of paintwork or Coating? | | None |
| Fasteners correctly locked? | | N/A |
| 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 | | N/A |
| EMC Covers Fitted | | N/A |
| RED Tag Item / Green Tag Items fitted | | N/A |
| Additional Comments | Soldering on Turret connections good, wire wrapped around terminal greater than 270 degrees For security of Joints when harness wires soldered on Acceptable | See remark |

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DOCUMENTATION CHECK LIST

| Check | REMARKS | RESULTS |
|----------------------------------|--|------------|
| End Item Data Pack | Draft Electronic copy supplied, to be updated and released | |
| Transportaion Documents | Delivered by Hand | No |
| Packing un- Packing instructions | In the PFM EIDP | 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

Delivery Box



PCAL in delivery bag from box above



PCAL Prime & Redundant Solder Terminals



PCAL Terminal Side



PCAL Non terminal side

