

# SSTD Incoming Inspection Report

Spacecraft/Project    **HERSCHEL / SPIRE**

Document Number    **SPIRE-RAL-REP- 002594**

Issue    **1**

Sub System    **Photo/Spect Harnesses**

Date    **21-Mar-06**

Model    **PFM**

## INCOMING INSPECTION REPORT

| FROM  |  |
|---|--|
| <b>Tekdata</b>  |  |
| Roy Blake, TEKDATA, Westport house,<br>Federation Road, Burslem, Stoke, ST6 4HY |  |

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

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

| Drawings / Documents Attached |  |
|-------------------------------|--|
| Photo Attached                |  |
|                               |  |
|                               |  |
|                               |  |
|                               |  |

**INSPECTION CONDUCTED BY**

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

| DATE       |
|------------|
| 21/03/2006 |

**WITNESS BY**

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

| DATE       |
|------------|
| 21/03/2006 |

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## CONTAINER INSPECTION

| TRANSPORT CONTAINERS EXTERNAL CONDITION                                       | REMARKS   | Status      |
|---|---|-------------|
| Mechanical damage to container fasteners, locks, clips or handling provisions |   | See Remarks |
| Security / Locking Fitted   |   | See Remarks |
| Markings for destination and description                                      |   | See Remarks |
| Warning labels relating to handling lifting and stacking limits               |   | See Remarks |
| Any additional Comments   | Harnesses Delivered by Hand unable to inspect container | See Remarks |

| TRANSPORT CONTAINERS INTERNAL CONDITION           | REMARKS  | Status      |
|---|--|-------------|
| Check Mounting fixtures fitted internal packaging |  | See Remarks |
| Internal padding / packaging required             | In plastic Bags and Bubble wrapped   | See Remarks |
| Mounting provisions secure                        |  | See Remarks |
| Any additional Comments                           | Harnesses Delivered by Hand unable to inspect container no environmental monitors fitted | 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"/>            | Condition:               | <input type="text"/>            | 15g                                       | 25g |
|                        |                                 |                          |                                 | 50g                                       |     |
|                        |                                 |                          |                                 | X Axis                                    |     |
|                        |                                 |                          |                                 | Y Axis                                    |     |
|                        |                                 |                          |                                 | Z Axis                                    |     |

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**INSTRUMENT VISUAL INSPECTION**

| CHECK LIST   | REMARKS                                 | RESULTS |
|--|---|---------|
| Contents against shipping list                             |   | Correct |
| Instrument label   |   | Correct |
| Note status of external contamination                      | Items are delivered in an unclean state | N/A     |
| Degradation of paintwork or Coating?                       |   | N/A     |
| 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                         |   | Pass       |
| Damaged Sockets                       |   | None       |
| Internal Debris                       | Supplied not clean  | See remark |
| Connector Covers fitted               | Supplied loose Harnesses mounted on transport frames with Kapton tape over connectors | See remark |
| Connector Savers Fitted               |   | N/A        |
| EMC Covers Fitted                     |   | N/A        |
| RED Tag Item / Green Tag Items fitted |   | N/A        |
| Additional Comments                   | See Extra comments sheet for list of items delivered                                  | See remark |

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## DOCUMENTATION CHECK LIST

| Check                            | REMARKS                                 | RESULTS                 |
|----------------------------------|---|-------------------------|
| End Item Data Pack               |   | N/A for this inspection |
| Transportaion Documents          | Despatch Note supplied for each Harness | Yes                     |
| Packing un- Packing instructions |   | N/A for this inspection |
| Additional Comments              | CoC's supplied for each Harness         |                         |

## 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**  N/A for this inspection

**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**  N/A for this inspection

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## EXTRA COMMENT SHEET

| Harness      | Part No      | Rev   | Qty | Spacers Qty | Connector Covers |       |  |
|--------------|--------------|-------|-----|-------------|------------------|-------|--|
|              |              |       |     |             | Large            | Small |  |
| Spectrometer | RAL-10209784 | Rev C | 1   | 4           | 2                | 4     |  |
| Photometer   | RAL-10209785 | Rev C | 1   | 4           | 2                | 6     |  |
| Photometer   | RAL-10209786 | Rev C | 1   | 4           | 2                | 8     | HSJFP P47<br>Slight distortion on molding<br>Not significant |

**As the Items were not "Clean" when delivered the Inspection was performed in the office Not the Clean room**

