

# SSTD Outgoing Inspection Report

Spacecraft/Project    **HERSCHELL/SPIRE**

Document Number    **SPIRE-RAL-REP- 002762**

Issue    **1**

Sub System    **Warm Electronics**

Date    **24-Oct-06**

Model    **QM2**

## OUTGOING INSPECTION REPORT

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

From
<p><b>ESA</b>  Astrium Satellites/Herschel Project, c/o ESTEC,  Keplerlaan 1, 2201AZ Noordwijk, The  Netherlands.</p>

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

Drawings / Documents Attached

**INSPECTION CONDUCTED BY**

**WITNESS BY**

NAME
Doug Griffin

DATE
24/10/2006

NAME
Eric Sawyer

DATE
24/10/2006

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## CONTAINER INSPECTION

To	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions		Checked
Security / Locking Fitted		None
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments		

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		
Internal padding / packaging required	Mounted to Plates attached to base of Transit Containers	See Remarks
Mounting provisions secure		Checked
Any additional Comments	Some shockwatch monitors on side of Transit cases and baseplates, not tripped	See Remarks

ENVIROMENTAL MONITORS					
<b>Temp Monitors</b>		<b>Humidity Monitors</b>		<b>Shock Sensors Triggerd Information</b>	
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="Yes"/>	5g	10g
Condition:	<input type="text" value="N/A"/>	Condition:	<input type="text" value="N/A"/>	15g	25g
				50g	

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**INSTRUMENT VISUAL INSPECTION**

To	REMARKS	RESULTS
Contents against shipping list		Correct
All closure procedures		Correct
Instrument label		Correct
Note status of external contamination	These are Not Flight units but are used close to flight Hardware so must be kept Clean.	Correct
Degradation of paintwork or Coating?		Acceptable
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?	connector covers lost, tape fitted	Acceptable
Double bagged?	single lumalloy cover	Acceptable
Additional Comments		

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**INSPECTION OF ALL CONNECTORS**

To	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
<b>Pin Alignment</b>	All unused connectors for Stray Light Test were covered with copper tape so not able to inspect all pins.	<b>See remark</b>
<b>Damaged Sockets</b>		
<b>Internal Debris</b>		
<b>Connector Covers fitted</b>	All unused connectors for Stray Light Test were covered with copper tape for ESD Protection	
<b>Connector Savers Fitted</b>	Connector savers removed for transit and Test.	
<b>EMC Covers Fitted</b>	Tape applied for return	
<b>RED Tag Item / Green Tag Items fitted</b>		<b>N/A</b>
<b>Additional Comments</b>		None

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## DOCUMENTATION CHECK LIST

To	From	
Check	REMARKS	RESULTS
<b>End Item Data Pack</b>	Not required as this is not a formal delivery but is transported to ESTEC for Testing	<b>See Remarks</b>
<b>Transportation Documents</b>		
<b>Packing un- Packing instructions</b>	packed by SSTD Personnel	<b>See Remarks</b>
<b>Additional Comments</b>		

## 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).

<b>INSPECTION / TEST REPORT NUMBER</b>	N/A for this inspection	<b>CHECKED</b>	N/A
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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.

<b>INSPECTION / TEST REPORT NUMBER</b>	N/A for this inspection	<b>CHECKED</b>	N/A
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## EXTRA COMMENT SHEET

To

Delivery consists of:-

Box No	Contents	Model
1	DCU	QM2
2	FCU	QM2
3	DPU	AVM1
4	CDMS simulator PC	EGSE
4	CDMS simulator Keyboard and Mouse	
4	CDMS Simulator Monitor	
4	Optical Bench	
4	Chopper Mechanism	
4	Misc Optical components	
4	Stray Light detector electronics	
4	Test Harness	
4	WIH	
5	Hot blackbody, test equipment	

## SSTD Outgoing Inspection Report

Title	Address
ATC	Astronomy Technology Centre Edinburgh
CDF	Department of Physics and Astronomy, University of Wales, Cardiff,
CGS	CARLO GAVAZZI SPACE,
JPL	Los Angeles, USA
LAM	Laboratoire d'Astronomie Spatiale, Marseille
MSSL	Mullard Space Science Lab, Surrey
SAP	CEA, Service d'Astrophysique Saclay
SBT	CEA Service du Basse Temperatures, Grenoble
UCF	Department of Physics and Astronomy, University of Wales, Cardiff,
IFSI	Renato Orfei, IFSI-INAF, Area Ricerca CNR Tor Vergata, Via Fosso del Cavaliere, 100, 00133-Roma, Italy
ESA	Astrium Satellites/Herschel Project, c/o ESTEC, Keplerlaan 1, 2201AZ Noordwijk, The Netherlands.
CSL	Centre Spatial de Liège, LIEGE Science Park, Avenue du Pré-Aily, B-4031 ANGLEUR, Belgium
EUMETSAT	
ALCATEL	
EADS	EADS Attn. Mr Paul Mack, Astrium, Ludwig-Boelkow-Allee, Gate 2, 85521 Ottobrunn

Insert Acronym for adresse in first column and address in second.  
 The address will automatically be inserted when you type in its Acronym  
 on the Front sheet.