

SPIRE
Minutes of meeting
FPU and JFET integration.
19/1/05
SPIRE-RAL-MOM-002316

Paul Mack Astrium
Eric Sawyer RAL

RAL staff present during all activities

- Doug Griffin
- Eric Sawyer

Activities carried out:

Unpacking and inspection.

Inspection, (5g monitor tripped, see incoming inspection report)
Bench test (Report SPIRE-RAL-NOT-002216) all OK
Isolation test OK
Cleanliness inspection OK
Cleaning of a few particles

Integration.

Detector L0 strap dismantled for integration.
Detector L0 strap replaced after integration.
Integration according to procedure SPIRE-RAL-PRC-001923 issue 3, no deviations.
All fasteners tightened with nominal torque according to procedure.
Isolation test after integration, L0, L1 and L3 not connected, OK
Flex links to be fitted later, with clamp incorporating temp sensor.
FPU electrically connected to OBA chassis via grounding link.

Red tag items.

Aperture cover.
Grounding strap.
Shorting plugs.
Optical cube can be left on or removed according to activities being carried out.

Open work.

All flex links to be connected, wire lock L1 interface
L1 and L3 can be connected now.
L0 wait until replacement is available.
Exchange of L0 flex links (3 off), Date TBD.
Warm units re-delivery. Will be delivered after PFM testing at RAL.

AOB

Connector covers for unused connectors to be supplied by Astrium.
Fit check of L0 flex links performed (screws not fitted), OK visually no excess loads on FPU.

Trial removal of L0 straps

The L0 evaporator and pump strap were removed from the FPU with the FPU installed on the OBA.

This was successful.

Containers

The lifting frame is stored in the FPU container.

Box 2 contains the FPU lifting frame, tools, FPU cover, MGSE shackles and straps.

The FPU container and box 2 to remain at Astrium until return of the CQM.