

SPIRE Final Integration Checklist

SPIRE-RAL-NOT-002088

Monday, 12 July 2004

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- This list is intended to act as a final reminder of things to check as the instrument is being closed up
- Some items will not necessarily be relevant to some models of the instrument.

Before putting covers on:

Number	Item	Done	Comment
1.	Photometer Detector Box Electrical Isolation		
2.	Spectrometer Detector Box Electrical Isolation		
3.	Cooler internal thermal strap not touching cooler chassis		
4.	Staking harness lacing cord		
5.	Staking of fasteners		
6.	Covers off mirrors		
7.	Covers off filters		
8.	RF Filter temporary support removed		
9.	RF Filter floating on mounts to allow for cover integration		
10.	Harnesses secured		
11.	UV Inspection and clean		
12.	Connectors staked		
13.	Optical filters not damaged		
14.	Correct alignment of 300-mK busbar		
15.	Make list of any anomalies		
16.	Level-0 Thermal interfaces chemically clean (IPA wipe)		

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Number	Item	Done	Comment
17.	Check location/serial numbers of thermistors		
18.	Review of build standard of subsystems (ABCL)		
19.	PTC protective cover removed (red tag item)		
20.	Electrical bellout of subsystems		
21.	Red tag grounding straps removed.		
22.	Check that there are no small pieces of loose Kapton camouflaged against Kapton that is securely attached to the instrument.		
23.	Ensure that the fasteners used to secure the RF Filter to the temporary mounts are loosened off and staked.		

After putting covers on:

Number	Item	Done	Comment
1.	JFET-BDA harnesses mated and staked		
2.	Cover screws staked		
3.	UV Inspection and clean		
4.	Inspection of witness mirrors		
5.	JFET-BDA harnesses secured and harnesses not thermally shorting		
6.	Fitting of connector shorting/termination plugs		
7.	Install Level-0 straps and stray-light baffles		

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