



Compliance Matrix / Waiver Requests

Path to shipping instrument

- Instrument is fundamentally working, still much to do that is better handled at MIT than the mountain
 - Target ship date 4-5 weeks
 - Complete tasks in 2-3 weeks

Instrument Team Pre-ship Punch List

1. Transfer EG detector to Acquisition camera, install SG detector
2. Lower emissivity of radiation shield (Al Kapton on current frame, add cold straps)
3. Install motors on exterior, run with (existing) software
4. Bolt dewar to Telescope Interface Plate
5. Install existing improved connector panel on detector light shield
6. Shielding/potting of cable connectors

Instrument Team Software Punch List

- Improved interface to drive HxRG code from Mac interface (significant task)
 - Improved robustness of HxRG
- Integration of software with on-dewar motor controls and sensors (trivial, but necessary)
- Acquisition camera TCS interface

Observatory Requirements Matrix

Requirement	Exists?	Waivers?	Comments
Draft Support Agreement	Y	N	
Installation Plan Schedule	Y	N	
Installation Plan Facility Resources	Y	N	
Installation Plan Personnel Resources	Y	N	No detailed documentation, but many discussions
Scientific Commissioning Plan	Y	N	
Letter of Commitment from MIT	Y	N	
List of performance criteria	Y	N	
List of operations requirements	Y	N	

Performance Requirements Matrix

Specification	Compliant?	Shipping Waiver?	Comments
Echelle Mode Focus	Y	Not needed	
Echelle Mode resolution	Y	Not needed	
LD mode focus	Y	Not needed	
LD mode resolution	Y	Not needed	
Background	N	Not requested	Install existing baffles
Scattered light	Y	Not needed	
Throughput	Y	Not needed	Based on coating measurements
Passband	Y	Not needed	
Mechanism configuration	N	Not requested	Requirement for ship
Instrument Control SW	Y	Not needed	
Detector Control SW	N	Requested	For Mac control of interface
Thermal strap performance	N	Not requested	Requirement for ship