--MSSL XMM Optical Monitor Test Plan Summary

EOB-2	Vibration	Thermal Vacuum	Thermal Balance	Static Load	EMC	Function	Optical Calibration	Lifetest	Cleanliness check
XMM-OM						8.1.1	8.1.1		
TM						8.2.1	8.2.1		
Telescope						8.3.1	8.3.1		
primary mirror assy						8.4.1	8.4.1		
secondary mirror assy						8.5.1	8.5.1		
Blue Module						8.6.1			
blue camera head						8.7.1			
filter wheel						8.8.1		8.8.1	
dichroic						8.9.1		8.9.1	
blue processing electronics						8.10.1			
internal harness						8.11.1			
TMPSU									
DEM						8.19.1			
Data Processing Unit						8.20.1			
Instrument Control Unit						8.21.1			
DEM PSU						8.22.1			
enclosure						8.23.1			
External Harness						8.24.1			

Fig 1

EQM	Vibration	Thermal Vacuum	Thermal Balance	Static Load	EMC	Function	Optical Calibration	Lifetest	Cleanliness check
XMM-OM	7.1.2	7.1.2	7.1.2		7.1.2	7.1.2	7.1.2		7.1.2
TM				7.2.2					
Telescope	7.3.2								
primary mirror assy						7.4.2	7.4.2		7.4.2
secondary mirror assy						7.5.2	7.5.2		7.5.2
Blue Module	7.6.2	7.6.2			7.6.2	7.6.2	7.6.2		7.6.2
blue camera head						7.7.2			
filter wheel						7.8.2			
dichroic						7.9.2			
blue processing electronics						7.10.2			
internal harness						7.11.2			
TMPSU	7.16.2	7.16.2			7.16.2	7.16.2			
DEM	7.19.2	7.19.2			7.19.2	7.19.2			
Data Processing Unit						7.20.2			
Instrument Control Unit						7.21.2			
DEM PSU						7.22.2			
enclosure						7.23.2			
External Harness						7.24.2			

Fig 2

EM	Vibration	Thermal Vacuum	Thermal Balance	Static Load	EMC	Function	Optical Calibration	Lifetest	Cleanliness check
XMM-OM						8.1.3			
TM									
Telescope									
primary mirror assy									
secondary mirror assy									
Blue Module						8.6.3			
blue camera head						8.7.3			
filter wheel						8.8.3			
dichroic						8.9.3			
blue processing electronics						8.10.3			
internal harness						8.11.3			
TMPSU									
DEM					8.19.3	8.19.3			
Data Processing Unit						8.20.3			
Instrument Control Unit						8.21.3			
DEM PSU						8.22.3			
enclosure						8.23.3			
External Harness						8.24.3			

Fig 3

FM/FS	Vibration	Thermal Vacuum	Thermal Balance	Static Load	EMC	Function	Optical Calibration	Lifetest	Cleanliness check
XMM-OM	8.1.4	8.1.4	8.1.4		8.1.4	8.1.4	8.1.4		8.1.4
TM				8.2.4					8.2.4
Telescope	8.3.4								8.3.4
primary mirror assy						8.4.4	8.4.4		8.4.4
secondary mirror assy						8.5.4	8.5.4		8.5.4
Blue Module	8.6.4	8.6.4			8.6.4	8.6.4	8.6.4		8.6.4
blue camera head						8.7.4			8.7.4
filter wheel						8.8.4			8.8.4
dichroic						8.9.4			8.9.4
blue processing electronics						8.10.4			8.10.4
internal harness						8.11.4			8.11.4
TMPSU	8.16.4	8.16.4			8.16.4	8.16.4			8.16.4
DEM	8.19.4	8.19.4			8.19.4	8.19.4			8.19.4
Data Processing Unit						8.20.4			8.20.4
Instrument Control Unit						8.21.4			8.21.4
DEM PSU						8.22.4			8.22.4
enclosure						8.23.4			8.23.4
External Harness						8.24.4			8.24.4

Fig 4

STM	Vibration	Thermal Vacuum	Thermal Balance	Static Load	EMC	Function	Optical Calibration	Lifetest	Cleanliness check
XMM-OM									
TM									
Telescope									
primary mirror assy									
secondary mirror assy									
Blue Module									
blue camera head									
filter wheel									
dichroic									
blue processing electronics									
internal harness									
TMPSU									
DEM	8.25	8.25	8.25	8.25		8.25			
Data Processing Unit									
Instrument Control Unit									
DEM PSU									
enclosure									
External Harness						8.25			

Fig 5