

Herschel/SPIRE

**MULLARD SPACE SCIENCE LABORATORY
UNIVERSITY COLLEGE LONDON**

Author: A Dibbens

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Document Number: MSSL/SPIRE/PA003.02 12 July 2004

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1. MSSL (PROJECT SPECIFIC)

MSSL/SPIRE/AD001.02	02-Dec-02	Structure Development Plan (formerly was SPIRE-MSS-PRJ-000426)
MSSL/SPIRE/CF001.02	04-Sep-02	Document Tree (CIDL) For STM Structure
MSSL/SPIRE/CF002.01	12-Jul-04	Document Tree (CIDL) For PFM Structure
MSSL/SPIRE/PA001.03	03-Dec-02	Product Assurance Plan
MSSL/SPIRE/PA002.06	08-Jul-04	Declared Materials List
MSSL/SPIRE/PA003.02	12-Jul-04	Document List
MSSL/SPIRE/PA004.05	08-Jul-04	Declared Processes List
MSSL/SPIRE/PA005.02	02-Dec-02	FMECA
MSSL/SPIRE/PA006.01	30-Jan-03	Cleanliness Control Plan
MSSL/SPIRE/PA007.01	09-Apr-03	End Item Data Package for the STM
MSSL/SPIRE/PA008.01	05-Apr-03	Delivery Item List for the STM
MSSL/SPIRE/PA009.01	27-Mar-03	Certificate of Conformance for the STM
MSSL/SPIRE/PA010		Logbook for the STM
MSSL/SPIRE/PA012.01	12-Jul-04	EIDP for the PFM
MSSL/SPIRE/PA013.01	12-Jul-04	Deliverable Item List for the PFM
MSSL/SPIRE/PA014.01	12-Jul-04	Certificate of Conformance for the PFM
MSSL/SPIRE/SP001.03	04-Apr-03	Hardware Tree
MSSL/SPIRE/SP002.02	02-Dec-02	MAIV Flow Chart
MSSL/SPIRE/SP003.02	26-Nov-02	Structure Subsystem Specification (formerly was SPIRE-MSS-PRJ-000427)
MSSL/SPIRE/SP004.03	14-Feb-03	Structure Mechanical Interface
MSSL/SPIRE/SP005.04	19-Feb-04	Interface Drawing Modification Sheet
MSSL/SPIRE/SP011.04	20-Jan-04	Structure Assembly, Integration and Handling
MSSL/SPIRE/SP012.01	12-Jul-04	MSSL Structure Mass Budget
MSSL/SPIRE/SP013.01	12-Jul-04	Structure Hardware Tree
MSSL/SPIRE/TN001.01	June-00	Quick Analysis of Cooler Dynamics
MSSL/SPIRE/TN002.01	June-01	Thermal Analysis of the Level O Strap Support
MSSL/SPIRE/TN003.01	July-01	Detector Box Thermal and Structural Analysis
MSSL/SPIRE/TN004.02	July-01	Random Vibration Spec. for Spire Instrument
MSSL/SPIRE/TN005.01	July-01	Harness Routing
MSSL/SPIRE/TN006.01	Sept-01	Interface Force Analysis Correlations
MSSL/SPIRE/TN007.03	Sept-01	Mirror Beam Footprint
MSSL/SPIRE/TN008.01	Dec-01	Titanium versus Stainless Steel
MSSL/SPIRE/TN009.01	Jan-02	Finite Element Analysis of the Spire Structure
MSSL/SPIRE/TN010.01	Feb-02	Thermal Analysis of the Spire Main Supports
MSSL/SPIRE/TN011.01	Feb-02	Screw Lubrication
MSSL/SPIRE/TN012.01	Aug-02	Spire 2K Photometer Box A Frames
MSSL/SPIRE/TN013.01	May-02	Cable Harness Tie Down Pull Test
MSSL/SPIRE/TN014.01	Nov-02	Spire Main Mounting Cone
MSSL/SPIRE/TN015.01	Aug-02	2K Photometer Box Mounting Cone

MSSL/SPIRE/TN016.01	Feb-03	Interface Bolting Forces Between HOB & SPIRE
MSSL/SPIRE/TN017.01	Feb-03	Harness Tie-down Pull Bracket Test
MSSL/SPIRE/TN018.01	Feb-03	FEA of 300mK Thermal Strap System
MSSL/SPIRE/TN019.01	May-03	Instrument and Detector Box Specification
MSSL/SPIRE/TN020.01	May-03	SOB Mounted Units and Sine Specification
MSSL/SPIRE/TN021.01	Aug-03	Level O Thermal Strap Re-design
MSSL/SPIRE/TN022.01	Aug-03	Instrument Vib Test Report STM Qual Warm
MSSL/SPIRE/TN023.01	Mar-04	Cold Vibration Test Specification
MSSL/SPIRE/TN024.01	Mar-04	CSL Coupled Analysis
MSSL/SPIRE/TN025.01	Mar-04	Level O Thermal Straps Design Description
MSSL/SPIRE/TN026.01	May-04	Instrument Cold Vibration Test Report
MSSL/SPIRE/TN027.01	Jun-04	PTC Random Specification
MSSL/SPIRE/TR001.01	01-Apr-03	Vacuum Bakeout Report
MSSL/SPIRE/TR002.01	08-Jan-01	A Frame Testing - Final Report
MSSL/SPIRE/TR003.01	07-Apr-03	Vacuum Bakeout Report
MSSL/SPIRE/TR004.01	08-Apr-03	STM Mass Budget and Report
MSSL/SPIRE/TR005.01	20-May-03	STM Cleanliness Report
MSSL/SPIRE/TR006.01	24-May-04	Bakeout Report for the PFM
MSSL/SPIRE/TR007.01	08-Jun-04	Cleanliness Report for the PFM
MSSL/SPIRE/TR008.01	12-Jul-04	PFM Mass Budget and Report
D:\APD\SPIRE\ecr.mdb		Engineering Change Request Database
D:\APD\SPIRE\ncr.mdb		Non-Conformance Report Database

2. MSSL (STANDARD)

MSSL/ME/PS/Q001	MSSL Cleanroom
MSSL/ME/PS/Q002	MSSL Cleanroom Gowning Procedure
MSSL/ME/PS/Q003	MSSL Cleanroom Operating Procedures
MSSL/ME/PS/Q004	Particulate Contamination Monitoring
MSSL/ME/PS/Q005	Molecular Contamination Monitoring
MSSL/PA/PS/Q001	Change Control System

3. RELEVANT RAL DOCUMENTS

SPIRE-RAL-PRJ-000017	SPIRE PA Plan
SPIRE-RAL-PRJ-000410	SPIRE Instrument AIV Plan
SPIRE-RAL-PRJ-1070 iss 1 09-Jan-02	SPIRE Cleanliness Plan