

Title System Hierarchy
Doc ID EIS-sys-des-hierarc
Ver 5
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Group
Category Inemonic Element Name Components WBS code Remarks Institute spacecraft interfaces ICU interface

mech. thrml. elec. (e)

uipme STR :	Spectrometer		Out in space	(all)	x	x		
ENC	ENClosure	1100	•	BU		X		
BFn	BaFfles							
LOK	launch LOcK	1100		BU	x	х		
RAD	RADiator	1922		BU		х		
DOR	DOoR assembly	1200		BÜ		(x)		
CLM	CLaMshell			_		()		
FFA	Front Filter Assembly	1410		NRL				
MIR	MIRror assembly	1300		NRL				
SLA	SLit Assy	1500		NRL				
FPF	Focal-plane Filter Assem			NRL				
GRA	GRating Assembly	1300		NRL				
SHT	SHuTter assembly	1600		MSSL				
CUB	alignment CUBe	1000		WIOOL				
CAM (•	1700		MSSL				
FPA	Focal Plane Assembly	1740/1760		WOOL				
ROE	ReadOut Electronics	1740/1760						
QCM	Quartz Contamination M		Quartz Crystal Miarabalanaa	DΛI				
MHC	Mechanism/Heater Cont		Quartz Crystal Microbalance	RAL ?	?	?		
	instrument WIRing Harn				ŕ	f		
WIR PUR				MSSL				
	instrument PURge harne							
VAC MLI	instrument VACuum har MultiLayer Insulation	ness 1912						
	Housing Power Conditioning	1a20 1a30			Х	Х	x	
	•						Х	
	Data Processing	1a40, 1a80						
	Science / HK interface	1a50, 1a60					Х	
	Command Interface	1a50					Х	
	Test Interfaces	1a40						
	HCU interface	1a40						
	Mechanism Power	1a30					Х	
	Mechanism Control	1a70						
	Camera Interface	1a40						
9	Snacecraft Harnesses							
S-WIR	Spacecraft Harnesses Spacecraft Wiring Harne	ss	Connects STR and ICU	MELCO				
	Spacecraft Wiring Harne		Connects STR and ICU	MELCO				
	Spacecraft Wiring Harne	U to ROE, signals and power	Connects STR and ICU	MELCO				
	Spacecraft Wiring Harne IC IC		Connects STR and ICU	MELCO				
	Spacecraft Wiring Harne IC IC IC	U to ROE, signals and power U to MHC, signals and power U to MDP	Connects STR and ICU	MELCO				
	Spacecraft Wiring Harne IC IC IC IC	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc.	Connects STR and ICU	MELCO	X	x		
S-WIR	Spacecraft Wiring Harne IC IC IC IC IC Spacecraft Purge Harne	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss		MELCO	x	x		
S-WIR	Spacecraft Wiring Harne IC IC IC IC IC Spacecraft Purge Harne sp	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss vacecraft gas line	carries gas to EIS-PUR i/f	MELCO	x	x		
S-WIR	Spacecraft Wiring Harne IC IC IC IC IC Spacecraft Purge Harne sp	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss pacecraft gas line pacecraft inlet port	carries gas to EIS-PUR i/f for use during all-up tests	MELCO	x	x		
S-WIR	Spacecraft Wiring Harne IC IC IC IC IC Spacecraft Purge Harne sp sp	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss pacecraft gas line pacecraft inlet port iring gas line	carries gas to EIS-PUR i/f for use during all-up tests to spacecraft inlet port	MELCO	x	x		
S-WIR S-PUR	Spacecraft Wiring Harne IC IC IC IC IC Spacecraft Purge Harne sp sp fai	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss pacecraft gas line pacecraft inlet port iring gas line port iring inlet port	carries gas to EIS-PUR i/f for use during all-up tests	MELCO	X	x		
S-WIR	Spacecraft Wiring Harne IC IC IC IC Spacecraft Purge Harne sp sp fai fai Spacecraft Vacuum Harne	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss pacecraft gas line pacecraft inlet port iring gas line port iring inlet port iness	carries gas to EIS-PUR i/f for use during all-up tests to spacecraft inlet port for use prior to launch	MELCO	X	x		
S-WIR S-PUR	Spacecraft Wiring Harne IC IC IC IC Spacecraft Purge Harne sp sp fai fai Spacecraft Vacuum Harne sp	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss vacecraft gas line vacecraft inlet port iring gas line iring inlet port ness vacecraft vacuum line	carries gas to EIS-PUR iff for use during all-up tests to spacecraft inlet port for use prior to launch pumps from EIS-VAC interface	MELCO	x	x		
S-WIR S-PUR	Spacecraft Wiring Harne IC IC IC IC Spacecraft Purge Harne sp sp fai fai Spacecraft Vacuum Harn sp	U to ROE, signals and power U to MHC, signals and power U to MDP U to DIST, TIM-B, etc. ss pacecraft gas line pacecraft inlet port iring gas line port iring inlet port iness	carries gas to EIS-PUR i/f for use during all-up tests to spacecraft inlet port for use prior to launch	MELCO	x	x		

Non-flight hardware

these items may be installed in the instrument during integration and test. Removed before launch.

items such as . Witness optics

Aperture Cover

Test interface connector Lifting Attachments

Installation Jigs

Shims

Alignment mirrors

Ground-support equipment

Purge gas supply Vacuum pump and accessories

Alignment jigs, light sources, targets etc. EGSE - CCDS/ECDS/PMCS/FMS

Quick-look data analysis workstations Operational data centre workstations

Logisitics Elements

Shipping Containers Support Frames Clean Tents

Toolkits

Materials supplies