




















WBS Code	Task Name	Resp.	
1000	EIS Instrument		
1100	STR Structure	BU	
1110	Design		
1120	Finite Element Model		
1140	Components		
1160	Test Equipment		
1170	PM		
1180	MTM/TTM		
1190	FM		
11A0	Flight Spares		
1200	DOR - Aperture Door	BU	
1210	Design		
1220	Test Equipment		
1240	PM		
1250	MTM/TTM		
1260	FM		
1270	Flight Spares		
1300	<i>Optics</i>	NRL	
1310	Optical Design		
1320	MIR - Mirror Assembly		
1321	Design		
1322	PM		
1323	MTM/TTM		
1324	FM		
1325	Flight Spare		
1330	GRA - Grating Assembly		
1331	Design		
1332	PM		
1333	MTM/TTM		
1334	FM		
1335	Flight Spare		
1400	<i>Filters</i>	NRL	
1410	FFA - Front Filter Assembly		
1411	Design		
1412	PM		
1413	MTM/TTM		
1413	FM		
1414	F-Spares		
1420	FPF - Focal Plane Filter Assembly		
1421	Design		
1422	PM		
1422	MTM/TTM		
1423	FM		
1424	F-Spares		
1500	SLA - Slit Assembly	NRL	
1510	Design		
1520	PM		
1530	MTM/TTM		
1540	FM		
1550	F-Spares		
1600	SHT - Shutter	MSSL?	
1610	Specification		
1620	PM		
1630	MTM/TTM		
1640	FM		
1650	F-Spares		
1700	CAM - CAMera	MSSL	
1710	CCD - Charge Coupled Device	MSSL/EEV	
1711	Device Physics Research		
1712	Specification		
1713	Procurement		
1714	Characterisation		
1720	FPA - Focal Plane Assembly		
1721	Design		
1722	Breadboards		
1723	PM		
1724	STM/TTM		
1725	FM		

WBS Code	Task Name	Resp.	
1726	Flight Spares		
1730	ROE - Readout Electronics		
1731	Design		
1732	Breadboards		
1733	PM		
1734	STM/TTM		
1735	FM		
1736	Flight Spares		
1800	QCM	RAL	
1810	Specify		
1820	PM		
1830	MTM/TTM		
1840	FM		
1850	Flight Spares		
1900	Thermal Control	BU	
1910	Structure		
1911	Design		
1911.1	Thermal Modelling		
1911.2	Insulation		
1911.3	Sensors		
1911.4	Surface finishes		
1911.5	Breadboards		
1912	PM		
1913	MTM/TTM		
1914	FM		
1915	Flight Spares		
1920	FPA (CCD cooling and anneal-heating)		
1921	Design		
1921.1	Thermal Modelling	BU & MSSL	
1921.2	Radiator	BU	
1921.3	Cold Finger	BU	
1921.4	Heaters	(MSSL)	
1922	Breadboards		
1923	PM		
1924	MTM/TTM		
1925	FM		
1926	Flight Spares		
1A00	ICU - Instrument Control Unit	MSSL	
1A10	Design		
1A11	Housing		
1A12	Power converters		
1A13	Processor		
1A14	Memory		
1A15	Science/HK/Command Interface		
1A16	Test Interfaces		
1A17	MHC Interface		
1A18	Camera Interface		
1A20	Dev. & Test Equipment		
1AA0	PM		
1AB0	MTM/TTM		
1AC0	FM		
1AD0	Flight Spares		
1B00	WIR - Wiring Harness	MSSL	
1B10	Design		
1B20	PM		
1B30	MTM/TTM		
1B40	FM		
1B50	Flight Spares		
1C00	CLM - Clamshell	BU	
1C10	Design		
1C20	Test Equipment		
1C30	PM		
1C40	MTM/TTM		
1C50	FM		
1C60	Flight Spares		
1D00	MHC - Mechanism/Heater Controller	MSSL	
1D10	Design		
1D20	Test Equipment		

WBS Code	Task Name	Resp.	
1D30	PM		
1D40	MTM/TTM		
1D50	FM		
1D60	Flight Spares		
1E00	PUR - Purge Harness	BU	
1E10	Design		
1E20	Test Equipment		
1E30	PM		
1E40	MTM/TTM		
1E50	FM		
1E60	Flight Spares		
1F00	VAC - Vacuum Harness	BU	
1F10	Design		
1F20	Test Equipment		
1F30	PM		
1F40	MTM/TTM		
1F50	FM		
1F60	Flight Spares		
1Z00	On-Board Software	MSSL	
1z10	Design		
1z20	Dev. & Test Equipment		
1z30	PM Software		
1z40	FM Software		
2000	Systems Engineering	MSSL	
2100	System Design		
2200	Trade-off studies		
2300	Simulations		
2400	Configuration Control		
2500	System Design Team	All h/w	
2600	Project Management Support		
3000	AIV	RAL	
3100	PA		
3200	Contamination Control		
3300	Qualification		
3400	System Test Equipment		
3410	EGSE		
3420	MGSE	BU	
3430	OGSE		
3600	PM AIV	MSSL	
3500	MTM/TTM AIV	BU	
3700	FM AIV		
3800	Calibration		
4000	Project Management	MSSL	
4100	Planning and Scheduling		
4200	Progress Monitoring		
4300	Resource Monitoring and Control		
4400	Risk Management		
4500	Meetings and Reviews		
4600	Reporting		
4700	Local Management		
4710	BU	BU	
4720	MSSL	MSSL	
4730	RAL	RAL	
4740	NRL	NRL	
4750	Other	Other	
4800	PI Support		
5000	Operations Preparation	All	
5100	Hardware		
5200	Planning Software		
5300	Quick-look Software		
5400	Operations preparations		
6000	Science	MSSL	
6100	Science Team Meetings	All	
6200	PI and Co-I activities	All	
7000	Post Launch Operations	ALL	
7100	Operations Support		
7200	Equipment Maintenance		