

Traceability Matrix, PPS Proposal Instructions

Chapter 13: MIRI Coronagraphic Imaging

Requirement #	Proposal, Visit, Exposure	Comment
Introduction		
MIR0106	702 1.01	MIRI Coronagraphic Imaging template exists
MIR0299	702 1.01	Field: Target Acquisition Filter
MIR0108	702 1.01	Target Acquisition Filter, choose from list
MIR0300	702 1.01	Field: Science Obs. Coron-Mask/Filter
MIR0109	702 1.01	Science Obs Coron-Mask/Filter, choose from list
MIR0301	702 1.01	Field: Readout Pattern
MIR0110	702 1.01	Readout Pattern, choose from list
MIR0298	702 1.01	Field: Number of Groups
MIR0107	702 1.01	Number of Groups, number
MIR0111	702 1.01	Field: Number of Integrations
MIR0112	702 1.01	Number of Integrations, number
Target Acquisition		
MIR0302	702 1.01	Field: Acquisition Target Flux
MIR0303	702 1.01	Acq Flux populated based on Science Target Definition
Target Acquisition Filter		
MIR0115	702 2.01	F560W
MIR0116	702 2.02	F1000W
MIR0117	702 2.03	F1500W
MIR0118	702 2.04	FND
Science Exposure		
Coronagraphic Mask/Filter Combination		
MIR0119	702 3.01	4QPM/F1065C
MIR0338	702 3.01	Subarray: MASK1065
MIR0120	702 3.04	4QPM/F1140C
MIR0339	702 3.02	Subarray:MASK1140
MIR0121	702 3.05	4QPM/F1550C
MIR0340	702 3.03	Subarray: MASK1550
MIR0122	702 3.07	LYOT/2300C
MIR0341	702 3.04	Subarray: MASKLYOT
MIR0320	702 3.08	All 4 mask/filter combos can be selected for an observation
MIR0321	702 3.01	APT needs to break selection into component values
MIR0344	702 3.01	Only 1 exposure time per mask/filter will be supported
Readout Pattern		
MIR0450	702 1.01	FAST
MIR0451	702 2.01	SLOW
MIR0452	702 3.01	FASTGRPAVG
Number of Groups		
MIR0454	702 1.02	NUMBER OF GROUPS
MIR0124	903 12.01	FASTGRPAVG, NUMBER OF GROUPS multiple of 4
MIR0123	903 11.01	FASTGRPAVG, NUMBER OF GROUPS > 16
MIR0125		FASTGTPAVG, NUMBER OF GROUPS >= 8
Number of Integrations		
MIR0455	702 2.02	NUMBER OF INTEGRATIONS