

Traceability Matrix, PPS Proposal Instructions

Chapter 12: MIRI Medium Resolution (Integral Field Unit) Spectroscopy

Requirement #	Proposal, Visit, Exposure	Comment
Introduction		
MIR0073	701 1.01	MIRI Medium Resolution Spectroscopy template exists
MIR0270	701 1.01	Field: Acquisition Target Name
MIR0076	701 1.01	Acquisition Target Name, chose from list
MIR0271	701 1.01	Field: Target Acquisition Filter
MIR0077	701 1.01	Target Acquisition Filter, choose from list
MIR0272	701 1.01	Field: Wavelength Region
MIR0078	701 1.01	Wavelength Region, choose from list
MIR0437	701 1.01	Field: Readout Pattern
MIR0438	701 1.01	Readout Pattern, choose from list
MIR0462	701 1.01	Field: Number of Groups Long
MIR0463	701 1.01	Number of Groups Long, number
MIR0464	701 1.01	Field: Number of Groups Short
MIR0465	701 1.01	Number of Groups Short, number
MIR0466	701 1.01	Field: Number of Groups Long
MIR0467	701 1.01	Number of Groups Long, number
MIR0468	701 1.01	Field: Number of Groups Short
MIR0469	701 1.01	Number of Groups Short, number
Target Acquisition		
MIR0274	701 2.01	Science target generally used for acquisition
MIR0275	701 2.02	Offset star may be used for target acquisition
Acquisition Target		
MIR0087	701 2.01	Select ACQUISITION TARGET NAME from list targets previously entered
MIR0088	701 2.01	ACQUISITION TARGET name always present defaulted to prime target for the observation
MIR0276	701 2.01	Field: Acquisition Target Flux
MIR0277	701 2.01	Acq Flux populated based on Acq Target Name
MIR0436	PR 78546 APT 23.1	APT warning if Acq and Science targets are too far apart
Acquisition Target Filter		
MIR0089	701 3.01	F560W
MIR0090	701 3.02	F1000W
MIR0091	701 3.03	F1500W
MIR0092	701 3.04	FND
Science Exposure		
MIR0470	701 1.01	only 1 exposure allowed in an observation
Wavelength Region		
MIR0093	701 4.01	ALL
MIR0336	701 4.01	ALL should be the default
MIR0094	701 4.02	SHORT
MIR0095	701 4.03	MEDIUM
MIR0096	701 4.04	LONG
MIR0471	701 1.01	APT (sql) populates WAVELENGTH into WAVELENGTH_1_4 & WAVELENGTH_2_3
Readout Pattern		
MIR0444	701 5.01	FAST
MIR0445	701 5.05	SLOW
MIR0446	701 5.09	FASTGRPAVG
Number of Groups		
MIR0497	701 5.01	NUMBER OF GROUPS SHORT
MIR0496	701 5.01	NUMBER OF GROUPS LONG
MIR0493	903 7.01	FASTGRPAVG, NUMBER OF GROUPS multiple of 4
MIR0492	903 6.01	FASTGRPAVG, NUMBER OF GROUPS > 16
MIR0494	903 8.01	FASTGTPAVG, NUMBER OF GROUPS >= 8
Number of Integrations		
MIR0499	701 5.01	NUMBER OF INTEGRATIONS SHORT
MIR0498	701 5.01	NUMBER OF INTEGRATIONS LONG
MIR0293	903 10.01	NoInt(Long)*NoGrp(Long)=NoInt(Short)*NoGrp(Short)