



4486 - MIRI Last Frame Characterization

Cycle: 2, Proposal Category: CAL/MIRI

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
LMC-DENSE-FIELD				
	1		MIRI Medium Resolution Spectroscopy	(1) LMC-DENSE-FIELD
NGC628				
	2		MIRI Medium Resolution Spectroscopy	(2) NGC628

ABSTRACT

This activity aims to collect a dataset that will be adequate to model the MIRI Last Frame Effect. The data will be used to study and create either an empirical correction, or failing that, a machine learning model. Such a dataset must include many samples, fully exploring the dynamic range of the detector and various levels of contrast. These data, paired with darks from Cycle 1 (CAL-MIRI-001, PID 1517 and 1519), will form an adequate data set.

This calibration program may change in response to system developments and the final Cycle 2 science program.

OBSERVING DESCRIPTION

This activity consists of two observations, which are constructed identically and are of different targets.

Each observation includes just one MRS grating setting with imaging in one filter in parallel.

The timing of the two observations is unconstrained.

Proposal 4486 - Targets - MIRI Last Frame Characterization

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	LMC-DENSE-FIELD	RA: 05 22 27.3787 (80.6140779d) Dec: -69 27 38.49 (-69.46069d) Equinox: J2000 <i>Comments:</i> <i>Category=Calibration</i> <i>Description=[Astrometric]</i> <i>Extended=NO</i>		
(2)	NGC628	RA: 01 36 39.0000 (24.1625000d) Dec: +15 47 50.46 (15.79735d) Equinox: J2000 <i>Comments:</i> <i>Category=Calibration</i> <i>Description=[Planetary nebulae]</i> <i>Extended=YES</i>			

Proposal 4486 - Observation 1 - MIRI Last Frame Characterization

Mon May 08 20:03:16 GMT 2023

Observation	Proposal 4486, Observation 1 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous		
	(1)	LMC-DENSE-FIELD	RA: 05 22 27.3787 (80.6140779d) Dec: -69 27 38.49 (-69.46069d) Equinox: J2000										
<i>Comments:</i> Category=Calibration Description=[Astrometric] Extended=NO													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel				Simultaneous Imaging				Imager Subarray			
	F1000W	ALL				YES				FULL			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	10	1	10	None	1	10	277.504	
	1	SHORT(A)	MRSLONG		FASTR1	10	1	10	None	1	10	277.504	
	1	SHORT(A)	MRSSHORT		FASTR1	10	1	10	None	1	10	277.504	
	2		IMAGER	F770W	FASTR1	11	1	100	None	1	100	3052.544	
	2	SHORT(A)	MRSLONG		FASTR1	11	1	100	None	1	100	3052.544	
	2	SHORT(A)	MRSSHORT		FASTR1	11	1	100	None	1	100	3052.544	
Special Requirements	No Parallel Attachments												

Proposal 4486 - Observation 2 - MIRI Last Frame Characterization

Mon May 08 20:03:16 GMT 2023

Observation	Proposal 4486, Observation 2 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(2)	NGC628	RA: 01 36 39.0000 (24.1625000d) Dec: +15 47 50.46 (15.79735d) Equinox: J2000										
<i>Comments:</i> <i>Category=Calibration</i> <i>Description=[Planetary nebulae]</i> <i>Extended=YES</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray				
		ALL				YES			FULL				
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F1000W	FASTR1	10	1	10	None	1	10	277.504	
	1	SHORT(A)	MRSLONG		FASTR1	10	1	10	None	1	10	277.504	
	1	SHORT(A)	MRSSHORT		FASTR1	10	1	10	None	1	10	277.504	
	2		IMAGER	F1000W	FASTR1	11	1	100	None	1	100	3052.544	
	2	SHORT(A)	MRSLONG		FASTR1	11	1	100	None	1	100	3052.544	
	2	SHORT(A)	MRSSHORT		FASTR1	11	1	100	None	1	100	3052.544	