



## 6612 - CAL-MIRI-302 MIRI Internal Flat Monitor

Cycle: 3, Proposal Category: CAL/MIRI

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Dr. David R. Law (PI)</b>	<b>Space Telescope Science Institute</b>
Mike Engesser (CoI)	Space Telescope Science Institute
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Dr. Kirsten L. Larson (CoI)	Space Telescope Science Institute
Ms. Misty Cracraft (CoI)	Space Telescope Science Institute
Dr. Kate Rowlands (CoI) (ESA Member)	Space Telescope Science Institute - ESA - JWST

### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1	Month 1 flats	MIRI External Flat	(1) NAME-LMC
	2	Month 2 flats	MIRI External Flat	(1) NAME-LMC
	3	Month 3 flats	MIRI External Flat	(1) NAME-LMC
	4	Month 4 flats	MIRI External Flat	(1) NAME-LMC
	5	Month 5 flats	MIRI External Flat	(1) NAME-LMC
	6	Month 6 flats	MIRI External Flat	(1) NAME-LMC
	7	Month 7 flats	MIRI External Flat	(1) NAME-LMC
	8	Month 8 flats	MIRI External Flat	(1) NAME-LMC
	9	Month 9 flats	MIRI External Flat	(1) NAME-LMC
	10	Month 10 flats	MIRI External Flat	(1) NAME-LMC
	11	Month 11 flats	MIRI External Flat	(1) NAME-LMC
	12	Month 12 flats	MIRI External Flat	(1) NAME-LMC

## **ABSTRACT**

During the course of the JWST mission, small changes can be expected in the detector operating parameters (especially bias voltage and temperature). Additionally, space weathering from the cumulative impacts of cosmic rays will slowly degrade detector properties. As a result, the detector responsivities will change with time, making it imperative to monitor the MIRI detectors on a regular basis and have the data available to develop new flatfields when they are required. Periodic (monthly) measurements of the on-board calibration sources plus background sky will provide the following information: (1) tracking of trends and changes in the relative radiometric response of the imager and Medium Resolution Spectrometer (MRS) for the optical train between the calibration source and the detector, (2) when combined with measurements of photometric standard stars, the ability to derive the absolute radiometric response at all times and all points in the field of the imager and MRS, (3) the pixel flatfield (gain or responsivity matrix), (4) high signal-to-noise measurements of the MRS spectral fringes.

This calibration program may change in response to system developments and the final Cycle 3 science program.

## **OBSERVING DESCRIPTION**

Observations will be obtained once per month.

Each observation consists of a sequence with the calibration lamps off, then on, targeting a field in the LMC, observing with both the MRS and imager simultaneously. The imager will use the F1000W, F2100W, and F2550W filters as the MRS observes in all 3 grating settings, which will provide additional monitoring data at the same monthly cadence. The MRS will alternate between 5-group and 20-group ramps to best match observations that have been obtained in prior cycles.

Observations are constrained to roughly the first 10 days of each month to ensure a close-to-monthly cadence through the 12 months of Cycle 3.

# Proposal 6612 - Targets - CAL-MIRI-302 MIRI Internal Flat Monitor

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d)	Proper Motion RA: 3.679973456416861E-4 sec of time/yr	
		Dec: -69 45 22.00 (-69.75611d)	Proper Motion Dec: 2.29E-4 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2015.5		
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
	Category=Calibration				
	Description=[External flat field]				

Proposal 6612 - Observation 1 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 1: Month 1 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
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<b>Template</b>	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	ALL	false	OFF THEN ON	1983	FULL	Allow Auto Reorder						
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
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	1	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	1	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	2	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	3	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	3	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	3	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
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Proposal 6612 - Observation 1 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-JUL-2024:00:00:00 and 10-JUL-2024:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 2 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 2: Month 2 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat																																																																																																																																																																																																																																																																			
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Proposal 6612 - Observation 3 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-SEP-2024:00:00:00 and 10-SEP-2024:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 4 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 4: Month 4 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat																																																																																																																																																																																																																																																																			
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																																																																																																																																																																																			
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	1	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	2	IMAGER	F2100W			FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	3	IMAGER	F1000W			FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	3	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	3	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	4	IMAGER	F2550W			FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	4	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	4	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	5	IMAGER	F2100W			FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																								
5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																									
6	IMAGER	F1000W			FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																									
6	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																									
6	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	1	1	2	113.777																																																																																																																																																																																																																																																									

Proposal 6612 - Observation 4 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-OCT-2024:00:00:00 and 10-OCT-2024:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 5 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 5: Month 5 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat												
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Calibration Description=[External flat field]													
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray		Grating Wheel Direction				
	PRIME	ALL	false		OFF THEN ON	1983	FULL		Allow Auto Reorder				
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	1	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	1	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	2	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	3	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	3	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	3	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	4	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	4	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	4	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	5	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	6	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
6	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23		
6	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23		

Proposal 6612 - Observation 5 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-NOV-2024:00:00:00 and 10-NOV-2024:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 6 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 6: Month 6 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat												
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Calibration Description=[External flat field]													
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray		Grating Wheel Direction				
	PRIME	ALL	false		OFF THEN ON	1800	FULL		Disallow Auto Reorder				
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553	
	1	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	1	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	2	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	3	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553	
	3	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	3	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	4	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553	
	4	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	4	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	5	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	6	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553	
6	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553		
6	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553		

Proposal 6612 - Observation 6 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-DEC-2024:00:00:00 and 10-DEC-2024:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 7 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<p><b>Proposal 6612, Observation 7: Month 7 flats</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI External Flat</p>												
<b>Diagnostics</b>	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[External flat field]</i></p>												
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction					
	PRIME	ALL	false		OFF THEN ON	1983	FULL	Allow Auto Reorder					
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	1	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	1	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	2	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	3	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	3	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	3	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	4	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	4	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	4	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	5	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	6	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	6	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	6	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	

Proposal 6612 - Observation 7 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-JAN-2025:00:00:00 and 10-JAN-2025:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 8 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 8: Month 8 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat																																																																																																																																																																																																																																																																			
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																																																																																																																																																																																			
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>NAME-LMC</td> <td>RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000</td> <td>Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000	Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5		<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Calibration Description=[External flat field]																																																																																																																																																																																																																																																								
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Proposal 6612 - Observation 8 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-FEB-2025:00:00:00 and 10-FEB-2025:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 9 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<p><b>Proposal 6612, Observation 9: Month 9 flats</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI External Flat</p>												
<b>Diagnostics</b>	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[External flat field]</i></p>												
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction					
	PRIME	ALL	false		OFF THEN ON	1983	FULL	Allow Auto Reorder					
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	1	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	1	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	2	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	3	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	3	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	3	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	4	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	4	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	4	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	5	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	6	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	6	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	6	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	

Proposal 6612 - Observation 9 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-MAR-2025:00:00:00 and 10-MAR-2025:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 10 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 10: Month 10 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat																																																																																																																																																																																																																																																																			
	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																																																																																																																																																																																			
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<b>Spectral Elements</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 &amp; 4</th> <th>Wavelength 2 &amp; 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr><td>1</td><td>IMAGER</td><td>F1000W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>1</td><td>MRSLONG</td><td></td><td>SHORT(A)</td><td>SHORT(A)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>1</td><td>MRSSHORT</td><td></td><td>SHORT(A)</td><td>SHORT(A)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>2</td><td>IMAGER</td><td>F2100W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>2</td><td>MRSLONG</td><td></td><td>MEDIUM(B)</td><td>MEDIUM(B)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>2</td><td>MRSSHORT</td><td></td><td>MEDIUM(B)</td><td>MEDIUM(B)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>3</td><td>IMAGER</td><td>F2550W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>3</td><td>MRSLONG</td><td></td><td>LONG(C)</td><td>LONG(C)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>3</td><td>MRSSHORT</td><td></td><td>LONG(C)</td><td>LONG(C)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>4</td><td>IMAGER</td><td>F1000W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>4</td><td>MRSLONG</td><td></td><td>SHORT(A)</td><td>SHORT(A)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>4</td><td>MRSSHORT</td><td></td><td>SHORT(A)</td><td>SHORT(A)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>5</td><td>IMAGER</td><td>F2100W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>5</td><td>MRSLONG</td><td></td><td>MEDIUM(B)</td><td>MEDIUM(B)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>5</td><td>MRSSHORT</td><td></td><td>MEDIUM(B)</td><td>MEDIUM(B)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>6</td><td>IMAGER</td><td>F2550W</td><td></td><td></td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>6</td><td>MRSLONG</td><td></td><td>LONG(C)</td><td>LONG(C)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> <tr><td>6</td><td>MRSSHORT</td><td></td><td>LONG(C)</td><td>LONG(C)</td><td>FASTR1</td><td>20</td><td>2</td><td>2</td><td>1</td><td>4</td><td>227.553</td><td></td></tr> </tbody> </table>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553		1	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		1	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		2	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553		2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553		2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553		3	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553		3	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553		3	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553		4	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553		4	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		4	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		5	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553		5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553		5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553		6	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553		6	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553		6	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553													
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Proposal 6612 - Observation 10 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-APR-2025:00:00:00 and 10-APR-2025:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 11 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 11: Month 11 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Calibration Description=[External flat field]													
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray		Grating Wheel Direction				
	PRIME	ALL	false		OFF THEN ON	1983	FULL		Allow Auto Reorder				
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	1	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	1	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	2	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	3	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
	3	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	3	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23	
	4	IMAGER	F1000W			FASTR1	5	20	1	1	20	330.23	
	4	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	4	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	5	20	1	1	20	330.23	
	5	IMAGER	F2100W			FASTR1	5	20	1	1	20	330.23	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	5	20	1	1	20	330.23	
	6	IMAGER	F2550W			FASTR1	5	20	1	1	20	330.23	
6	MRSLONG		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23		
6	MRSSHORT		LONG(C)	LONG(C)	FASTR1	5	20	1	1	20	330.23		

Proposal 6612 - Observation 11 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-MAY-2025:00:00:00 and 10-MAY-2025:00:00:00  
No Parallel Attachments

Proposal 6612 - Observation 12 - CAL-MIRI-302 MIRI Internal Flat Monitor

Mon May 05 17:00:28 GMT 2025

<b>Observation</b>	<b>Proposal 6612, Observation 12: Month 12 flats</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI External Flat												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(1)	NAME-LMC	RA: 05 23 34.6000 (80.8941667d) Dec: -69 45 22.00 (-69.75611d) Equinox: J2000			Proper Motion RA: 3.679973456416861E-4 sec of time/yr Proper Motion Dec: 2.29E-4 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Calibration Description=[External flat field]													
<b>Template</b>	Pointing Type	Detector	Dither		Lamp Use	Lamp On Time	Imager Subarray		Grating Wheel Direction				
	PRIME	ALL	false		OFF THEN ON	1800	FULL		Allow Auto Reorder				
<b>Spectral Elements</b>	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553	
	1	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	1	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	2	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553	
	2	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	2	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	3	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553	
	3	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	3	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553	
	4	IMAGER	F2550W			FASTR1	20	2	2	1	4	227.553	
	4	MRSLONG		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	4	MRSSHORT		LONG(C)	LONG(C)	FASTR1	20	2	2	1	4	227.553	
	5	IMAGER	F2100W			FASTR1	20	2	2	1	4	227.553	
	5	MRSLONG		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
	5	MRSSHORT		MEDIUM(B)	MEDIUM(B)	FASTR1	20	2	2	1	4	227.553	
6	IMAGER	F1000W			FASTR1	20	2	2	1	4	227.553		
6	MRSLONG		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		
6	MRSSHORT		SHORT(A)	SHORT(A)	FASTR1	20	2	2	1	4	227.553		

Proposal 6612 - Observation 12 - CAL-MIRI-302 MIRI Internal Flat Monitor

Special Requirements

Between Dates 01-JUN-2025:00:00:00 and 10-JUN-2025:00:00:00  
No Parallel Attachments