



## 4490 - CAL-MIRI-232 LRS external flatfield

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>
Observation Folder				
	1	Slit scan	MIRI Low Resolution Spectroscopy	(1) BD+60-1753
	2	Slitless scan	MIRI Low Resolution Spectroscopy	(2) HD-163466

### ABSTRACT

A star will be scanned along the slit and across the slitless subarray to obtain flatfield data for the MIRI LRS. These data will be combined with information obtained separately from internal flatfield measurements to build flatfields for the LRS. Scans with 1-pixel steps will be used for both the slitless subarray and the slit.

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

### OBSERVING DESCRIPTION

Two standard stars will be scanned in the cross-dispersion direction, along the full length of the LRS slit and across the full LRS slitless field. Both scans use 1-pixel steps. The observations are constrained to take place after 1 Jan 2024.

## JWST Proposal 4490 (Created: Monday, May 1, 2023 at 6:01:26 PM Eastern Standard Time) - Overview

Targets:

Slit: BD+60 1753

Slitless: HD 163466

Proposal 4490 - Targets - CAL-MIRI-232 LRS external flatfield

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	BD+60-1753	RA: 17 24 52.2754 (261.2178142d) Dec: +60 25 50.75 (60.43076d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0	
	<i>Comments: Position from Gaia EDR3                      Spectral type: A1 V                      Category=Star                      Description=[A dwarfs]</i>				
(2)	HD-163466	RA: 17 52 25.3741 (268.1057254d) Dec: +60 23 46.94 (60.39637d) Equinox: J2000	Proper Motion RA: -1.983 mas/yr Proper Motion Dec: 42.780 mas/yr Parallax: 0.0052084" Epoch of Position: 2000.0		
	<i>Comments: Position from Gaia EDR3                      Spectral class: A2                      Category=Star                      Description=[A dwarfs]</i>				

Proposal 4490 - Observation 1 - CAL-MIRI-232 LRS external flatfield

Mon May 01 23:01:26 GMT 2023

<b>Observation</b>	<p><b>Proposal 4490, Observation 1: Slit scan</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Low Resolution Spectroscopy</p>									
<b>Diagnostics</b>	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(1)	BD+60-1753	RA: 17 24 52.2754 (261.2178142d) Dec: +60 25 50.75 (60.43076d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0						
	<p><i>Comments: Position from Gaia EDR3</i></p> <p><i>Spectral type: A1 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[A dwarfs]</i></p>									
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1000W	FAST	4	1	1	11.1	150519.03	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>		<b>No. Spatial Steps</b>		<b>Spatial Step Offset</b>	
	1	1-PIXEL SLIT SCAN								
<b>Spectral Elements</b>	<b>#</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	FASTR1	6	8	360	1	45	6868.224		

Special Requirements

After Date 01-JAN-2024

Proposal 4490 - Observation 2 - CAL-MIRI-232 LRS external flatfield

Mon May 01 23:01:26 GMT 2023

<b>Observation</b>	<b>Proposal 4490, Observation 2: Slitless scan</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy								
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(2)	HD-163466	RA: 17 52 25.3741 (268.1057254d) Dec: +60 23 46.94 (60.39637d) Equinox: J2000	Proper Motion RA: -1.983 mas/yr Proper Motion Dec: 42.780 mas/yr Parallax: 0.0052084" Epoch of Position: 2000.0					
Comments: Position from Gaia EDR3 Spectral class: A2 Category=Star Description=[A dwarfs]									
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	SAME	FND	FAST	10	1	1	1.59	150519.04
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>				
	SLITLESSPRISM				false				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>		<b>Spatial Step Offset</b>	
	1	1-PIXEL SLITLESS SCAN LONG							
<b>Spectral Elements</b>	<b>#</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	FASTR1	6	20	1340	1	67	1481.14	

Special Requirements

After Date 01-JAN-2024