



4497 - Absolute Flux Calibration (Hot Stars)

Cycle: 2, Proposal Category: CAL/CROSS

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Karl D. Gordon (PI)	Space Telescope Science Institute
Ms. Sherie Holfeltz (CoI)	Space Telescope Science Institute
Greg Sloan (CoI)	Space Telescope Science Institute
Dr. Charles R. Proffitt (CoI)	Space Telescope Science Institute
Dr. Kevin Volk (CoI) (CSA Member)	Space Telescope Science Institute - CSA - JWST

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
GD153				
	1	MIRI imaging	MIRI Imaging	(1) GD153
	15	NIRCam Imaging Sub1 60 Module B - SW	NIRCam Engineering Imaging	(1) GD153
	16	NIRCam Imaging Sub1 60P Module B - LW	NIRCam Engineering Imaging	(1) GD153
	17	NIRCam Imaging Sub1 60 Module A - SW	NIRCam Engineering Imaging	(1) GD153
	18	NIRCam Imaging Sub1 60P Module A - LW	NIRCam Engineering Imaging	(1) GD153
LDS749B				
	8	NIRSpec FS prism	NIRSpec Fixed Slit Spectroscopy	(2) LDS749B
	11	NIRCam Imaging Sub1 60P Module A	NIRCam Engineering Imaging	(2) LDS749B
	13	MIRI imaging	MIRI Imaging	(2) LDS749B
WD1057+719				

JWST Proposal 4497 (Created: Monday, July 10, 2023 at 8:00:32 PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	9	NIRSpec FS prism	NIRSpec Fixed Slit Spectroscopy	(3) WD1057+719
	12	NIRCam Imaging Sub1 60P Module A	NIRCam Engineering Imaging	(3) WD1057+719
	14	MIRI imaging	MIRI Imaging	(3) WD1057+719
10Lac				
	2	MIRI imaging	MIRI Imaging	(4) 10Lac
	19	NIRCam Coronagraphy ND square SWB	NIRCam Coronagraphic Imaging	(4) 10Lac
	20	NIRCam Coronagraphy ND square SWBS	NIRCam Coronagraphic Imaging	(4) 10Lac
	21	NIRCam Coronagraphy ND square 210R	NIRCam Coronagraphic Imaging	(4) 10Lac
	22	NIRCam Coronagraphy ND square LWB	NIRCam Coronagraphic Imaging	(4) 10Lac
	23	NIRCam Coronagraphy ND square LWBL	NIRCam Coronagraphic Imaging	(4) 10Lac
	24	NIRCam Coronagraphy ND square 335R	NIRCam Coronagraphic Imaging	(4) 10Lac
	25	NIRCam Coronagraphy ND square 430R	NIRCam Coronagraphic Imaging	(4) 10Lac
muCol				
	3	MIRI imaging	MIRI Imaging	(5) muCol
	4	MIRI MRS	MIRI Medium Resolution Spectroscopy	(6) muCol-WBKG
	5	MIRI MRS BKG	MIRI Medium Resolution Spectroscopy	(7) muCol-BKG
	6	MIRI LRS slitless	MIRI Low Resolution Spectroscopy	(6) muCol-WBKG
	7	MIRI LRS BKG	MIRI Low Resolution Spectroscopy	(7) muCol-BKG
lamLep				
	10	MIRI imaging	MIRI Imaging	(8) lamLep

ABSTRACT

This program obtains observations of hot stars as part of the JWST absolute flux calibration effort. This effort uses all JWST instruments to provide absolute flux calibration for all JWST modes (filters, gratings, etc). The combined nature of this effort is to ensure the highest quality flux calibration internal to and between instruments and to carry out the observations efficiently. This program provides observations of hot stars and companion

programs provide observations of A dwarfs and solar analog observations. The absolute flux observations will be compared to model predictions of the stars' flux densities to calculate the appropriate calibration factors per instrument mode.

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

OBSERVING DESCRIPTION

Observations of hot stars for absolute flux calibration. Includes observation for part 1 and 2 of the combined instrument program. Part 1 observes one star in each instrument mode/detector where this star was observed in cycle 1 and shown to be a high quality absflux star. Part 2 observes a large sample in a subset of the modes to define the average, vet the sample, and diagnose any instrumental dependancies of the flux calibration (e.g. flux).

Proposal 4497 - Targets - Absolute Flux Calibration (Hot Stars)

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000	Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0	
<p><i>Comments: Position from Gaia EDR3 Spectral Type: DA1.2 Category=Star Description=[White dwarfs] Extended=NO</i></p>				
(2)	LDS749B	RA: 21 32 16.2327 (323.0676363d) Dec: +00 15 14.40 (.25400d) Equinox: J2000	Proper Motion RA: 413.279 mas/yr Proper Motion Dec: 27.207 mas/yr Parallax: 0.023291" Epoch of Position: 2000.0	
<p><i>Comments: Position from Gaia EDR3. Spectral type DBQ4 Category=Star Description=[White dwarfs] Extended=NO</i></p>				
(3)	WD1057+719	RA: 11 00 34.2432 (165.1426800d) Dec: +71 38 2.92 (71.63414d) Equinox: J2000	Proper Motion RA: -43.583 mas/yr Proper Motion Dec: -21.782 mas/yr Parallax: 0.007926" Epoch of Position: 2000.0	
<p><i>Comments: Position from Gaia EDR3 Spectral type: DA1.2 Category=Star Description=[White dwarfs] Extended=NO</i></p>				
(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0	
<p><i>Comments: Position from Hipparcos (van Leeuwen 2007) Spectral type: O9 V Category=Star Description=[OB stars] Extended=NO</i></p>				
(5)	muCol	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000	Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0	
<p><i>Comments: Position from Gaia EDR3 Spectral Type: O9.5 V Category=Star Description=[OB stars] Extended=NO</i></p>				

Fixed Targets

Proposal 4497 - Targets - Absolute Flux Calibration (Hot Stars)

(6)	muCol-WBKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000	Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0
<p><i>Comments: Position from Gaia EDR3</i> <i>Spectral Type: 09.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i></p>			
(7)	muCol-BKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 43.16 (-32.31199d) Equinox: J2000	Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0
<p><i>Comments: Position from Gaia EDR3, offset 20" S</i> <i>Spectral Type: 09.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i></p>			
(8)	lamLep	RA: 05 19 34.5240 (79.8938500d) Dec: -13 10 36.44 (-13.17679d) Equinox: J2000	Proper Motion RA: -3.30 mas/yr Proper Motion Dec: -4.91 mas/yr Parallax: 0.00383" Epoch of Position: 2000.0
<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i> <i>Spectral type: B0.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i></p>			

Proposal 4497 - Observation 1 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 1: MIRI imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p>										
Diagnostics	(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)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000			Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0					
	<i>Comments: Position from Gaia EDR3</i> <i>Spectral Type: DA1.2</i> <i>Category=Star</i> <i>Description=[White dwarfs]</i> <i>Extended=NO</i>										
Template	<p>Subarray</p> <p>FULL</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	CYCLING	1	4						LARGE	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	2	F770W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	3	F1000W	FASTR1	30	1	1	Dither 1	4	4	333.005	

Proposal 4497 - Observation 15 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 15: NIRCam Imaging Sub160 Module B - SW Diagnostic Status: Warning Observing Template: NIRCam Engineering Imaging Comments: Part 1											
	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000			Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0						
Comments: Position from Gaia EDR3 Spectral Type: DA1.2 Category=Star Description=[White dwarfs] Extended=NO												
Template	Module					Subarray						
	B					SUB160						
Mosaic	Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order					
	2	2	10.0	10.0	0.0	0.0	DEFAULT					
Dithers	#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions						
	1	SUBARRAY_DITHER	4	STANDARD		1						
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wbk.Calc ID
	1	CLEAR	CLEAR	F070W	F250M	RAPID	4	2	8	4	11.187	
	2	CLEAR	CLEAR	F090W	F300M	RAPID	5	2	8	4	13.416	
	3	CLEAR	CLEAR	F115W	F335M	RAPID	5	2	8	4	13.416	
	4	CLEAR	CLEAR	F150W	F410M	RAPID	5	2	8	4	13.416	
	5	CLEAR	CLEAR	F200W	F430M	RAPID	5	2	8	4	13.416	

Proposal 4497 - Observation 16 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 16: NIRCcam Imaging Sub160P Module B - LW Diagnostic Status: Warning Observing Template: NIRCcam Engineering Imaging <i>Comments: Part 1</i>											
	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000			Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0						
<i>Comments: Position from Gaia EDR3 Spectral Type: DA1.2 Category=Star Description=[White dwarfs] Extended=NO</i>												
Template	Module					Subarray						
	B					SUB160P						
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	SUBARRAY_DITHER		4		STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR	CLEAR	F187N	F277W	RAPID	6	2	8	4	15.645	
	2	CLEAR	CLEAR	F212N	F356W	RAPID	6	2	8	4	15.645	
	3	CLEAR	CLEAR	F210M	F444W	RAPID	6	2	8	4	15.645	

Proposal 4497 - Observation 17 - Absolute Flux Calibration (Hot Stars)

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Observation	Proposal 4497, Observation 17: NIRCam Imaging Sub160 Module A - SW Diagnostic Status: Warning Observing Template: NIRCam Engineering Imaging <i>Comments: Part 1</i>											
	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000			Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0						
<i>Comments: Position from Gaia EDR3</i> <i>Spectral Type: DA1.2</i> <i>Category=Star</i> <i>Description=[White dwarfs]</i> <i>Extended=NO</i>												
Template	Module					Subarray						
	A					SUB160						
Mosaic	Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order					
	2	2	10.0	10.0	0.0	0.0	DEFAULT					
Dithers	#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions						
	1	SUBARRAY_DITHER	4	STANDARD		1						
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wbk.Calc ID
	1	CLEAR	CLEAR	F070W	F250M	RAPID	4	2	8	4	11.187	
	2	CLEAR	CLEAR	F090W	F300M	RAPID	5	2	8	4	13.416	
	3	CLEAR	CLEAR	F115W	F335M	RAPID	5	2	8	4	13.416	
	4	CLEAR	CLEAR	F150W	F410M	RAPID	5	2	8	4	13.416	
	5	CLEAR	CLEAR	F200W	F430M	RAPID	5	2	8	4	13.416	

Proposal 4497 - Observation 18 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 18: NIRCam Imaging Sub160P Module A - LW</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Engineering Imaging</p> <p><i>Comments: Part 1</i></p>											
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	GD153	RA: 12 57 2.3225 (194.2596771d) Dec: +22 01 52.63 (22.03129d) Equinox: J2000			Proper Motion RA: -38.402 mas/yr Proper Motion Dec: -202.990 mas/yr Parallax: 0.014593" Epoch of Position: 2000.0						
	<p><i>Comments: Position from Gaia EDR3</i></p> <p><i>Spectral Type: DA1.2</i></p> <p><i>Category=Star</i></p> <p><i>Description=[White dwarfs]</i></p> <p><i>Extended=NO</i></p>											
Template	Module					Subarray						
	A					SUB160P						
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size	Subpixel Positions			
	1	SUBARRAY_DITHER		4		STANDARD			1			
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR	CLEAR	F187N	F277W	RAPID	6	2	8	4	15.645	
	2	CLEAR	CLEAR	F212N	F356W	RAPID	6	2	8	4	15.645	
	3	CLEAR	CLEAR	F210M	F444W	RAPID	6	2	8	4	15.645	
Special Requirements	Offset -0.24615653431080614 arcsec, 0.5935140100592208 arcsec											

Proposal 4497 - Observation 8 - Absolute Flux Calibration (Hot Stars)

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Observation	Proposal 4497, Observation 8: NIRSpec FS prism Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy										
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(2)	LDS749B	RA: 21 32 16.2327 (323.0676363d) Dec: +00 15 14.40 (.25400d) Equinox: J2000			Proper Motion RA: 413.279 mas/yr Proper Motion Dec: 27.207 mas/yr Parallax: 0.023291" Epoch of Position: 2000.0					
Comments: Position from Gaia EDR3. Spectral type DBQ4 Category=Star Description=[White dwarfs] Extended=NO											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	WATA	SUB32	F140X	NRSRAPID	3	1	1	0.08	148132.27
Template	Slit					Subarray					
	S1600A1					SUB512					
Dithers	#	Primary Dither Positions					Sub-Pixel Pattern				
	1	5					NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp #	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S1600A1	NRSRAPID	90	30	1	NONE	5	150	3090.156

Proposal 4497 - Observation 11 - Absolute Flux Calibration (Hot Stars)

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Observation	Proposal 4497, Observation 11: NIRCcam Imaging Sub160P Module A Diagnostic Status: Warning Observing Template: NIRCcam Engineering Imaging											
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(2)	LDS749B	RA: 21 32 16.2327 (323.0676363d) Dec: +00 15 14.40 (.25400d) Equinox: J2000			Proper Motion RA: 413.279 mas/yr Proper Motion Dec: 27.207 mas/yr Parallax: 0.023291" Epoch of Position: 2000.0						
<i>Comments: Position from Gaia EDR3. Spectral type DBQ4 Category=Star Description=[White dwarfs] Extended=NO</i>												
Template	Module					Subarray						
	A					SUB160P						
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	SUBARRAY_DITHER		4		STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR	CLEAR	F070W	F444W	RAPID	10	2	8	4	24.561	
	2	CLEAR	CLEAR	F090W	F356W	RAPID	10	2	8	4	24.561	
	3	CLEAR	CLEAR	F115W	F277W	RAPID	10	2	8	4	24.561	
	4	CLEAR	CLEAR	F150W	F250M	RAPID	10	2	8	4	24.561	
	5	CLEAR	CLEAR	F200W	F300M	RAPID	10	2	8	4	24.561	

Proposal 4497 - Observation 13 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 13: MIRI imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p>										
Diagnostics	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(2)	LDS749B	RA: 21 32 16.2327 (323.0676363d) Dec: +00 15 14.40 (.25400d) Equinox: J2000			Proper Motion RA: 413.279 mas/yr Proper Motion Dec: 27.207 mas/yr Parallax: 0.023291" Epoch of Position: 2000.0					
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Spectral type DBQ4</i></p> <p><i>Category=Star</i></p> <p><i>Description=[White dwarfs]</i></p> <p><i>Extended=NO</i></p>										
Template	<p>Subarray</p> <p>FULL</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	CYCLING	1	4						LARGE	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	14	1	1	Dither 1	4	4	155.402	
	2	F770W	FASTR1	18	1	1	Dither 1	4	4	199.803	
	3	F1000W	FASTR1	84	1	1	Dither 1	4	4	932.413	

Proposal 4497 - Observation 9 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 9: NIRSpec FS prism Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy										
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(3)	WD1057+719	RA: 11 00 34.2432 (165.1426800d) Dec: +71 38 2.92 (71.63414d) Equinox: J2000			Proper Motion RA: -43.583 mas/yr Proper Motion Dec: -21.782 mas/yr Parallax: 0.007926" Epoch of Position: 2000.0					
<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: DA1.2</i> <i>Category=Star</i> <i>Description=[White dwarfs]</i> <i>Extended=NO</i>											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	WATA	SUB32	F140X	NRSRAPID	3	1	1	0.08	148132.27
Template	Slit				Subarray						
	S1600A1				SUB512						
Dithers	#	Primary Dither Positions					Sub-Pixel Pattern				
	1	5					NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Ex #	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S1600A1	NRSRAPID	250	24	1	NONE	5	120	6814.397

Proposal 4497 - Observation 12 - Absolute Flux Calibration (Hot Stars)

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Observation	Proposal 4497, Observation 12: NIRCcam Imaging Sub160P Module A Diagnostic Status: Warning Observing Template: NIRCcam Engineering Imaging											
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(3)	WD1057+719	RA: 11 00 34.2432 (165.1426800d) Dec: +71 38 2.92 (71.63414d) Equinox: J2000			Proper Motion RA: -43.583 mas/yr Proper Motion Dec: -21.782 mas/yr Parallax: 0.007926" Epoch of Position: 2000.0						
<i>Comments: Position from Gaia EDR3 Spectral type: DA1.2 Category=Star Description=[White dwarfs] Extended=NO</i>												
Template	Module					Subarray						
	A					SUB160P						
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size	Subpixel Positions			
	1	SUBARRAY_DITHER		4		STANDARD			1			
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR	CLEAR	F070W	F444W	RAPID	10	2	8	4	24.561	
	2	CLEAR	CLEAR	F090W	F356W	RAPID	10	2	8	4	24.561	
	3	CLEAR	CLEAR	F115W	F277W	RAPID	10	2	8	4	24.561	
	4	CLEAR	CLEAR	F150W	F250M	RAPID	10	2	8	4	24.561	
	5	CLEAR	CLEAR	F200W	F300M	RAPID	10	2	8	4	24.561	

Proposal 4497 - Observation 14 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 14: MIRI imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p>										
Diagnostics	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(3)	WD1057+719	RA: 11 00 34.2432 (165.1426800d) Dec: +71 38 2.92 (71.63414d) Equinox: J2000			Proper Motion RA: -43.583 mas/yr Proper Motion Dec: -21.782 mas/yr Parallax: 0.007926" Epoch of Position: 2000.0					
	<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: DA1.2</i> <i>Category=Star</i> <i>Description=[White dwarfs]</i> <i>Extended=NO</i>										
Template	<p>Subarray</p> <p>FULL</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	CYCLING	1	4						LARGE	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	22	1	1	Dither 1	4	4	244.204	
	2	F770W	FASTR1	48	1	1	Dither 1	4	4	532.808	

Proposal 4497 - Observation 2 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 2: MIRI imaging Diagnostic Status: Warning Observing Template: MIRI Imaging																																																																																																	
	(MIRI imaging (Obs 2)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions (MIRI imaging (Obs 2)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions (Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																	
Diagnosics	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="3">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>10Lac</td> <td>RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000</td> <td colspan="3">Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0</td> <td colspan="4"></td> </tr> <tr> <td colspan="10"> <i>Comments: Position from Hipparcos (van Leeuwen 2007)</i> <i>Spectral type: O9 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous				(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0							<i>Comments: Position from Hipparcos (van Leeuwen 2007)</i> <i>Spectral type: O9 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i>																																																																			
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Fixed Targets	Subarray SUB64																																																																																																	
Template	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> <th>Starting Point</th> <th>Number of Points</th> <th>Points</th> <th>Starting Set</th> <th>Number of Sets</th> <th>Optimized For</th> <th>Direction</th> <th>Pattern Size</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CYCLING</td> <td>1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>DEFAULT</td> </tr> </tbody> </table>										#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	1	CYCLING	1	4						DEFAULT																																																																				
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5	F1800W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																									
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Spectral Elements																																																																																																		

Proposal 4497 - Observation 19 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 19: NIRCam Coronagraphy ND square SWB</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
Diagnostics	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000		Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0					
	<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F210M	BRIGHT (ND Square)	MEDIUM8	9	1	1	16.203	151202
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		false		SUB640ASWB		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F182M	F335M	RAPID	2	1	1	1	12.578	
PSF References	PSF Reference: true									

Proposal 4497 - Observation 19 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 20 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 20: NIRCam Coronagraphy ND square SWBS</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
Diagnostics	(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000		Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0					
	<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F210M	BRIGHT (ND Square)	MEDIUM8	9	1	1	16.203	151202
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		false		SUB640ASWB		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F212N	F335M	RAPID	2	1	1	1	12.578	
PSF References	PSF Reference: true									

Proposal 4497 - Observation 20 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 21 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 21: NIRCam Coronagraphy ND square 210R Diagnostic Status: Warning Observing Template: NIRCam Coronagraphic Imaging																																							
Diagnostics	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th colspan="6">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>10Lac</td> <td>RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000</td> <td>Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0</td> <td colspan="6"></td> </tr> <tr> <td colspan="10"> <i>Comments: Position from Hipparcos (van Leeuwen 2007)</i> <i>Spectral type: O9 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous						(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0							<i>Comments: Position from Hipparcos (van Leeuwen 2007)</i> <i>Spectral type: O9 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i>									
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																				
(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0																																					
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PSF References	PSF Reference: true																																							

Proposal 4497 - Observation 21 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 22 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 22: NIRCam Coronagraphy ND square LWB</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																							
Diagnostics	<p>(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th colspan="6">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>10Lac</td> <td>RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000</td> <td>Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0</td> <td colspan="6"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous						(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0							<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>									
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#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																															
1	F210M	F335M	RAPID	2	1	1	1	3.209																																
PSF References	<p>PSF Reference: true</p>																																							

Proposal 4497 - Observation 22 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 23 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 23: NIRCam Coronagraphy ND square LWBL</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																							
Diagnostics	<p>(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																							
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#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																															
1	F210M	F480M	RAPID	2	1	1	1	3.209																																
PSF References	<p>PSF Reference: true</p>																																							

Proposal 4497 - Observation 23 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 24 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 24: NIRCam Coronagraphy ND square 335R</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
Diagnostics	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000		Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0					
	<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	MEDIUM8	33	1	1	16.505	151202
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		false		SUB320A335R		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F210M	F335M	RAPID	2	1	1	1	3.228	
PSF References	PSF Reference: true									

Proposal 4497 - Observation 24 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 25 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 25: NIRCam Coronagraphy ND square 430R</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																							
Diagnostics	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th colspan="6">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>10Lac</td> <td>RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000</td> <td>Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0</td> <td colspan="6"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous						(4)	10Lac	RA: 22 39 15.6786 (339.8153275d) Dec: +39 03 0.97 (39.05027d) Equinox: J2000	Proper Motion RA: -0.32 mas/yr Proper Motion Dec: -5.46 mas/yr Parallax: 0.00189" Epoch of Position: 2000.0							<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: O9 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>									
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PSF References	PSF Reference: true																																							

Proposal 4497 - Observation 25 - Absolute Flux Calibration (Hot Stars)

Special Requirements

No Parallel Attachments

Proposal 4497 - Observation 3 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 3: MIRI imaging Diagnostic Status: Warning Observing Template: MIRI Imaging																																																																																																		
	(MIRI imaging (Obs 3)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions (MIRI imaging (Obs 3)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions (Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																		
Fixed Targets	<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>(5)</td> <td>muCol</td> <td>RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000</td> <td>Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(5)	muCol	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000	Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0		<i>Comments: Position from Gaia EDR3</i> <i>Spectral Type: 09.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i>																																																																																							
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2	F1130W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																										
3	F1280W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																										
4	F1500W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																										
5	F1800W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																										
6	F2100W	FASTR1	10	1	1	Dither 1	4	4	3.405																																																																																										
7	F2550W	FASTR1	25	1	1	Dither 1	4	4	8.512																																																																																										

Proposal 4497 - Observation 4 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 4: MIRI MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI MRS BKG (Obs 5)]												
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(6)	muCol-WBKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000			Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0							
<i>Comments: Position from Gaia EDR3 Spectral Type: 09.5 V Category=Star Description=[OB stars] Extended=NO</i>													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	150663.25				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	ALL		YES			FULL			NEUTRAL				
Dithers	#	Dither Type				Optimized For			Direction				
	1	4-Point				POINT SOURCE			NEGATIVE				
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	48	1	1	Dither 1	4	4	532.808	
	1	LONG(C)	MRSLONG		FASTR1	48	1	1	Dither 1	4	4	532.808	
	1	LONG(C)	MRSSHORT		FASTR1	48	1	1	Dither 1	4	4	532.808	
	2		IMAGER	F770W	FASTR1	34	1	1	Dither 1	4	4	377.405	
	2	MEDIUM(B)	MRSLONG		FASTR1	34	1	1	Dither 1	4	4	377.405	
	2	MEDIUM(B)	MRSSHORT		FASTR1	34	1	1	Dither 1	4	4	377.405	
	3		IMAGER	F770W	FASTR1	28	1	1	Dither 1	4	4	310.804	
	3	SHORT(A)	MRSLONG		FASTR1	28	1	1	Dither 1	4	4	310.804	
	3	SHORT(A)	MRSSHORT		FASTR1	28	1	1	Dither 1	4	4	310.804	

Proposal 4497 - Observation 4 - Absolute Flux Calibration (Hot Stars)

Special Requirements

Sequence Observations 4, 5, Non-interruptible

Proposal 4497 - Observation 5 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 5: MIRI MRS BKG Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI MRS (Obs 4)]												
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(7)	muCol-BKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 43.16 (-32.31199d) Equinox: J2000			Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0							
<i>Comments: Position from Gaia EDR3, offset 20" S</i> <i>Spectral Type: 09.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
	FND	ALL			YES			FULL		NEUTRAL			
Dithers	#	Dither Type				Optimized For				Direction			
	1	2-Point				POINT SOURCE				NEGATIVE			
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	48	1	1	Dither 1	2	2	266.404	
	1	LONG(C)	MRSLONG		FASTR1	48	1	1	Dither 1	2	2	266.404	
	1	LONG(C)	MRSSHORT		FASTR1	48	1	1	Dither 1	2	2	266.404	
	2		IMAGER	F770W	FASTR1	34	1	1	Dither 1	2	2	188.703	
	2	MEDIUM(B)	MRSLONG		FASTR1	34	1	1	Dither 1	2	2	188.703	
	2	MEDIUM(B)	MRSSHORT		FASTR1	34	1	1	Dither 1	2	2	188.703	
	3		IMAGER	F770W	FASTR1	28	1	1	Dither 1	2	2	155.402	
	3	SHORT(A)	MRSLONG		FASTR1	28	1	1	Dither 1	2	2	155.402	
	3	SHORT(A)	MRSSHORT		FASTR1	28	1	1	Dither 1	2	2	155.402	

Proposal 4497 - Observation 5 - Absolute Flux Calibration (Hot Stars)

Special Requirements

Sequence Observations 4, 5, Non-interruptible

Proposal 4497 - Observation 6 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 6: MIRI LRS slitless Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy Background Observations:[MIRI LRS BKG (Obs 7)]									
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Miscellaneous			
	(6)	muCol-WBKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.16 (-32.30643d) Equinox: J2000		Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0					
<i>Comments: Position from Gaia EDR3 Spectral Type: 09.5 V Category=Star Description=[OB stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	F1500W	FAST	4	1	1	0.636	150663.10	
Template	Subarray				Obtain Verification Image?					
	SLITLESSPRISM				true					
Dithers	#	Dither Type		No. Spectral Steps	Spectral Step Offset	No. Spatial Steps		Spatial Step Offset		
	1	NONE								
Pointing Verification	#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
	1	FASTR1	5	1	1	1	1	0.795		F1500W

Proposal 4497 - Observation 6 - Absolute Flux Calibration (Hot Stars)

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	Special Requirements	1	FASTR1	5	300	300	1	1	286.113
Time Series Observation No Parallel Attachments		Sequence Observations 6, 7, Non-interruptible							

Proposal 4497 - Observation 7 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	Proposal 4497, Observation 7: MIRI LRS BKG Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy Background Observation For: [MIRI LRS slitless (Obs 6)]								
	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous		
	(7)	muCol-BKG	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 43.16 (-32.31199d) Equinox: J2000	Proper Motion RA: 3.271 mas/yr Proper Motion Dec: -22.176 mas/yr Parallax: 0.001702" Epoch of Position: 2000.0					
<i>Comments: Position from Gaia EDR3, offset 20" S</i> <i>Spectral Type: 09.5 V</i> <i>Category=Star</i> <i>Description=[OB stars]</i> <i>Extended=NO</i>									
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	6 muCol-WBKG	F1500W	FAST	4	1	1	0.636	150663.10
Template	Subarray				Obtain Verification Image?				
	SLITLESSPRISM				false				
Dithers	#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset			
	1	NONE							
Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	FASTR1	5	126	126	1	1	120.075	

Proposal 4497 - Observation 7 - Absolute Flux Calibration (Hot Stars)

Special Requirements

Time Series Observation
No Parallel Attachments

Sequence Observations 6, 7, Non-interruptible

Proposal 4497 - Observation 10 - Absolute Flux Calibration (Hot Stars)

Tue Jul 11 01:00:32 GMT 2023

Observation	<p>Proposal 4497, Observation 10: MIRI imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p>										
Diagnostics	<p>(MIRI imaging (Obs 10)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions</p> <p>(MIRI imaging (Obs 10)) Warning (Form): Mosaic-overlap value less than 20% using SUB128 or SUB64 could result in poor quality data at the adjacent regions</p> <p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(8)	lamLep	RA: 05 19 34.5240 (79.8938500d) Dec: -13 10 36.44 (-13.17679d) Equinox: J2000			Proper Motion RA: -3.30 mas/yr Proper Motion Dec: -4.91 mas/yr Parallax: 0.00383" Epoch of Position: 2000.0					
	<p><i>Comments: Position from Hipparcos (van Leeuwen 2007)</i></p> <p><i>Spectral type: B0.5 V</i></p> <p><i>Category=Star</i></p> <p><i>Description=[OB stars]</i></p> <p><i>Extended=NO</i></p>										
Template	<p>Subarray</p> <p>SUB64</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	CYCLING	1	4						DEFAULT	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F1130W	FASTR1	7	1	1	Dither 1	4	4	2.383	
	2	F1280W	FASTR1	7	1	1	Dither 1	4	4	2.383	
	3	F1500W	FASTR1	10	1	1	Dither 1	4	4	3.405	
	4	F1800W	FASTR1	10	1	1	Dither 1	4	4	3.405	
	5	F2100W	FASTR1	10	1	1	Dither 1	4	4	3.405	
	6	F2550W	FASTR1	20	1	1	Dither 1	4	4	6.81	