



## 1406 - Verification of the MIRI Coronagraphic Target Acquisition

Cycle: 0, Proposal Category: COM/MIRI

### INVESTIGATORS

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Bryony Nickson (CoI) (Contact)	Space Telescope Science Institute	bnickson@stsci.edu

### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	4	F1140C-1-3-F1000W	MIRI Coronagraphic Imaging	(1) 2MASS-J05215224-6930510
	11	Engineering or Commissioning - FULL frame - F1550C	MIRI External Flat	NONE
Nov 2022 SIAF update confirmation - NORTH				
	19	1065-Q1	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	20	1065-Q4	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	21	1140-Q1	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	22	1140-Q4	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	23	1550-Q1	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	24	1550-Q4	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	25	Lyot-Q1	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	26	Lyot-Q4	MIRI Coronagraphic Imaging	(12) CVZ-CALIB-NORTH
	28	1065-BGND	MIRI Coronagraphic Imaging	(14) CVZ-NORTH-BGND

JWST Proposal 1406 (Created: Friday, November 4, 2022 at 5:00:30 PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	29	1140-BGND	MIRI Coronagraphic Imaging	(14) CVZ-NORTH-BGND
	30	1550-BGND	MIRI Coronagraphic Imaging	(14) CVZ-NORTH-BGND
	31	Lyot-BGND	MIRI Coronagraphic Imaging	(14) CVZ-NORTH-BGND
Nov 2022 SIAF update confirmation - SOUTH				
	32	1065-Q1	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	33	1065-Q4	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	34	1140-Q1	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	35	1140-Q4	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	36	1550-Q1	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	37	1550-Q4	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	38	Lyot-Q1	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	39	Lyot-Q4	MIRI Coronagraphic Imaging	(13) CVZ-CALIB-SOUTH
	40	1065-BGND	MIRI Coronagraphic Imaging	(15) CVZ-SOUTH-BGND
	41	1140-BGND	MIRI Coronagraphic Imaging	(15) CVZ-SOUTH-BGND
	42	1550-BGND	MIRI Coronagraphic Imaging	(15) CVZ-SOUTH-BGND
	43	Lyot-BGND	MIRI Coronagraphic Imaging	(15) CVZ-SOUTH-BGND

**ABSTRACT**

This CAR will test the Target Acquisition procedures for the MIRI Coronagraphs.

The CAR will run Observation #4 as an early test of the TA process. Observation 11 should also execute to place the imager back in FULL array.

Exposures in FULL array are added to place the detector in FULL array for subsequent, other,

**OBSERVING DESCRIPTION**

The Target Acquisition (TA) for the three 4 Quadrant Phase Masks (4QPMs) and the Lyot coronagraph will be tested using all four TA filters. The two-step TA mode will be tested with all four quadrants in each coronagraph. It is critical to test all four TA filters in at least one coronagraph to ensure that the TA algorithm properly centroids at sub-position (b) in the TA process. To save some overhead, the option in APT to automatically repeat the observation in the opposite quadrant will be used. Each observation of the target will use a 5-Point Small Grid Dither (SGD) to test this feature, increase phase diversity, and better measure the location of the target behind the apex for the 4QPMs. One set of 9-Point SGD will be

executed for the F1140C to test that pattern. SGDs will not be used for the Lyot.

A “crowded” field with one star brighter than the rest will be used for these tests of the 4QPMs (the JWST Astrometric Field in the LMC). A bright multi-star system will be used to test the Lyot.

# Proposal 1406 - Targets - Verification of the MIRI Coronagraphic Target Acquisition

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	2MASS-J05215224-6930510	RA: 05 21 52.2470 (80.4676958d) Dec: -69 30 51.00 (-69.51417d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Calibration            Description=[G stars]            Extended=NO</p>				
(12)	CVZ-CALIB-NORTH	RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000	Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[K stars]</p>				
(13)	CVZ-CALIB-SOUTH	RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000	Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[K stars]</p>				
(14)	CVZ-NORTH-BGND	RA: 17 41 33.0000 (265.3875000d) Dec: +67 12 14.00 (67.20389d) Equinox: J2000	Proper Motion RA: 0 sec of time/yr Proper Motion Dec: 0 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[K stars]</p>				
(15)	CVZ-SOUTH-BGND	RA: 06 06 41.0000 (91.6708333d) Dec: -67 19 45.00 (-67.32917d) Equinox: J2000	Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[K stars]</p>				

Fixed Targets

Proposal 1406 - Observation 4 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 4: F1140C-1-3-F1000W</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p>											
<b>Diagnostics</b>	<p>(F1140C-1-3-F1000W (Obs 4)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.</p> <p>(Exposure) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(1)	2MASS-J05215224-6930510	RA: 05 21 52.2470 (80.4676958d) Dec: -69 30 51.00 (-69.51417d) Equinox: J2000									
	<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=[G stars]</i></p> <p><i>Extended=NO</i></p>											
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Quadrant</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	1	FAST	36	1	1	8.628			
<b>Template</b>	<p><b>Repeat observation</b></p> <p>YES</p>											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>										
	1	9-POINT-SMALL-GRID										
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1140C	4QPM	F1140C	FASTR1	300	10	1	9	90	6490.774	
<b>PSF References</b>	PSF Reference: true											

## Proposal 1406 - Observation 4 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

Offset 0.131 arcsec, 0.075 arcsec  
No Parallel

Sequence Observations 4, 11, Non-interruptible

Proposal 1406 - Observation 11 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 11: Engineering or Commissioning - FULL frame - F1550C</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI External Flat</p> <p><i>Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.</i></p>												
<b>Diagnostics</b>	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Template</b>	<b>Pointing Type</b>	<b>Detector</b>	<b>Dither</b>			<b>Lamp Use</b>			<b>Lamp On Time</b>		<b>Imager Subarray</b>		
	PRIME	IMAGER	false			OFF ONLY			0		FULL		
<b>Spectral Elements</b>	<b>#</b>	<b>Detector</b>	<b>Filter</b>	<b>Wavelength 1 &amp; 4</b>	<b>Wavelength 2 &amp; 3</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	IMAGER	F1140C			FASTR1	4	1	1	1	1	11.1	
<b>Special Requirements</b>	<p>No Parallel</p> <p>Sequence Observations 4, 11, Non-interruptible</p>												

Proposal 1406 - Observation 19 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 19: 1065-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1065-Q1 (Obs 19)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
<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>(12)</td> <td>CVZ-CALIB-NORTH</td> <td>RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000</td> <td>Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(12)	CVZ-CALIB-NORTH	RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000	Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5															
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<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
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<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 19 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 19, 20, 28, Non-interruptible

Proposal 1406 - Observation 20 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 20: 1065-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1065-Q4 (Obs 20)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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Proposal 1406 - Observation 20 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 19, 20, 28, Non-interruptible

Proposal 1406 - Observation 21 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 21: 1140-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1140-Q1 (Obs 21)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5-POINT-SMALL-GRID</td> </tr> </tbody> </table>											#	Dither Type	1	5-POINT-SMALL-GRID																				
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<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 21 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 21, 22, 29, Non-interruptible

Proposal 1406 - Observation 22 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<b>Proposal 1406, Observation 22: 1140-Q4</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Coronagraphic Imaging Background Observations:[]																																		
	(1140-Q4 (Obs 22)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence. (Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																		
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	NO																																		
<b>Dithers</b>	#																																		
	1 5-POINT-SMALL-GRID																																		
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<b>PSF References</b>	Additional Justification: false																																		

Proposal 1406 - Observation 22 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 21, 22, 29, Non-interruptible

Proposal 1406 - Observation 23 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 23: 1550-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
	<p>(1550-Q1 (Obs 23)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5-POINT-SMALL-GRID</td> </tr> </tbody> </table>											#	Dither Type	1	5-POINT-SMALL-GRID																				
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Proposal 1406 - Observation 23 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 23, 24, 30, Non-interruptible

Proposal 1406 - Observation 24 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 24: 1550-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1550-Q4 (Obs 24)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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<b>PSF References</b>	<p>Additional Justification: false</p>																																		

## Proposal 1406 - Observation 24 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

No Parallel

Group Observations 23, 24, 30, Non-interruptible

Proposal 1406 - Observation 25 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<b>Proposal 1406, Observation 25: Lyot-Q1</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Coronagraphic Imaging Background Observations:[]																																		
	(Lyot-Q1 (Obs 25)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence. (Visit 25:1) 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>(12)</td> <td>CVZ-CALIB-NORTH</td> <td>RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000</td> <td>Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>                  Category=Star                  Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(12)	CVZ-CALIB-NORTH	RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000	Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5															
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	NO																																		
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<b>PSF References</b>	Additional Justification: false																																		

Proposal 1406 - Observation 25 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 25, 26, 31, Non-interruptible

Proposal 1406 - Observation 26 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 26: Lyot-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
	<p>(Lyot-Q4 (Obs 26)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
<b>Diagnosics</b>																																			
<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>(12)</td> <td>CVZ-CALIB-NORTH</td> <td>RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000</td> <td>Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(12)	CVZ-CALIB-NORTH	RA: 17 41 23.3333 (265.3472221d) Dec: +67 09 7.47 (67.15208d) Equinox: J2000	Proper Motion RA: -9.348766387736197E-4 sec of time/yr Proper Motion Dec: 0.019227 arcsec/yr Epoch of Position: 2015.5															
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	#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																									
1	SAME	FND	4	FAST	22	1	1	7.128	129041																										
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	#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																							
1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	5	450	14724.18	129041																								
<b>PSF References</b>	<p>Additional Justification: false</p>																																		

## Proposal 1406 - Observation 26 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

No Parallel

Group Observations 25, 26, 31, Non-interruptible

Proposal 1406 - Observation 28 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<b>Proposal 1406, Observation 28: 1065-BGND</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Coronagraphic Imaging Background Observation For: [1065-Q1 (Obs 19), 1065-Q4 (Obs 20)]											
	(Visit 28:1) 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>		
	(14)	CVZ-NORTH-BGND	RA: 17 41 33.0000 (265.3875000d) Dec: +67 12 14.00 (67.20389d) Equinox: J2000				Proper Motion RA: 0 sec of time/yr Proper Motion Dec: 0 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[K stars]</i>												
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>				<b>Background Quadrant</b>						
	FND	YES				1						
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	2	42	1016.243	129041
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 28 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 19, 20, 28, Non-interruptible

Proposal 1406 - Observation 29 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<b>Proposal 1406, Observation 29: 1140-BGND</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Coronagraphic Imaging Background Observation For: [1140-Q1 (Obs 21), 1140-Q4 (Obs 22)]											
	(Visit 29:1) 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>		
	(14)	CVZ-NORTH-BGND	RA: 17 41 33.0000 (265.3875000d) Dec: +67 12 14.00 (67.20389d) Equinox: J2000				Proper Motion RA: 0 sec of time/yr Proper Motion Dec: 0 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[K stars]</i>												
<b>Acquisition</b>	<b>#</b>	<b>Target</b>										
	1	NONE										
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>							<b>Background Quadrant</b>			
	FND	YES							2			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>										
	1	BACKGROUND										
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	2	42	1016.243	129041
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 29 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 21, 22, 29, Non-interruptible

Proposal 1406 - Observation 30 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 30: 1550-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [1550-Q1 (Obs 23), 1550-Q4 (Obs 24)]</p>											
<b>Diagnostics</b>	(Visit 30:1) 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>		
	(14)	CVZ-NORTH-BGND	RA: 17 41 33.0000 (265.3875000d) Dec: +67 12 14.00 (67.20389d) Equinox: J2000				Proper Motion RA: 0 sec of time/yr Proper Motion Dec: 0 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=Star</i></p> <p><i>Description=[K stars]</i></p>											
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>							<b>Background Quadrant</b>			
	FND	YES							1			
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1550C	4QPM	F1550C	FASTR1	100	21	1	2	42	1016.243	129041
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 30 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 23, 24, 30, Non-interruptible

Proposal 1406 - Observation 31 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 31: Lyot-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [Lyot-Q1 (Obs 25), Lyot-Q4 (Obs 26)]</p>											
<b>Diagnostics</b>	(Visit 31:1) 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>		
	(14)	CVZ-NORTH-BGND	RA: 17 41 33.0000 (265.3875000d) Dec: +67 12 14.00 (67.20389d) Equinox: J2000				Proper Motion RA: 0 sec of time/yr Proper Motion Dec: 0 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=Star</i></p> <p><i>Description=[K stars]</i></p>											
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>						<b>Background Quadrant</b>				
	FND	YES						2				
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	2	180	5889.672	129041
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 31 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 25, 26, 31, Non-interruptible

Proposal 1406 - Observation 32 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 32: 1065-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1065-Q1 (Obs 32)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
<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>(13)</td> <td>CVZ-CALIB-SOUTH</td> <td>RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000</td> <td>Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(13)	CVZ-CALIB-SOUTH	RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000	Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5															
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1	SAME	FND	1	FAST	22	1	1	5.273	129041																										
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#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																								
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<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 32 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 32, 33, 40, Non-interruptible

Proposal 1406 - Observation 33 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 33: 1065-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1065-Q4 (Obs 33)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																															
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#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																								
1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	5	105	2540.608	129041																								
<b>PSF References</b>	<p>Additional Justification: false</p>																																		

## Proposal 1406 - Observation 33 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

No Parallel

Group Observations 32, 33, 40, Non-interruptible

Proposal 1406 - Observation 34 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 34: 1140-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1140-Q1 (Obs 34)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
<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>(13)</td> <td>CVZ-CALIB-SOUTH</td> <td>RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000</td> <td>Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(13)	CVZ-CALIB-SOUTH	RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000	Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5															
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<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
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<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 34 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 34, 35, 41, Non-interruptible

Proposal 1406 - Observation 35 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 35: 1140-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1140-Q4 (Obs 35)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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Proposal 1406 - Observation 35 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 34, 35, 41, Non-interruptible

Proposal 1406 - Observation 36 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 36: 1550-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1550-Q1 (Obs 36)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 36:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
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Proposal 1406 - Observation 36 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 36, 37, 42, Non-interruptible

Proposal 1406 - Observation 37 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 37: 1550-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(1550-Q4 (Obs 37)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 37:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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Proposal 1406 - Observation 37 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 36, 37, 42, Non-interruptible

Proposal 1406 - Observation 38 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 38: Lyot-Q1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(Lyot-Q1 (Obs 38)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 38:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
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(13)	CVZ-CALIB-SOUTH	RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000	Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5																																
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#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																										
1	SAME	FND	1	FAST	22	1	1	7.128	129041																										
<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5-POINT-SMALL-GRID</td> </tr> </tbody> </table>											#	Dither Type	1	5-POINT-SMALL-GRID																				
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#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																								
1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	5	450	14724.18	129041																								
<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 38 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 38, 39, 43, Non-interruptible

Proposal 1406 - Observation 39 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 39: Lyot-Q4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observations:[]</p>																																		
<b>Diagnostics</b>	<p>(Lyot-Q4 (Obs 39)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.</p> <p>(Visit 39:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																		
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>CVZ-CALIB-SOUTH</td> <td>RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000</td> <td colspan="4">Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5</td> <td colspan="4"></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</p>											#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(13)	CVZ-CALIB-SOUTH	RA: 06 06 50.5294 (91.7105392d) Dec: -67 16 59.91 (-67.28331d) Equinox: J2000	Proper Motion RA: -0.0011509468524088689 sec of time/yr Proper Motion Dec: 0.007249 arcsec/yr Epoch of Position: 2015.5									
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#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																										
1	SAME	FND	4	FAST	22	1	1	7.128	129041																										
<b>Template</b>	<p><b>Repeat observation</b></p> <p>NO</p>																																		
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5-POINT-SMALL-GRID</td> </tr> </tbody> </table>											#	Dither Type	1	5-POINT-SMALL-GRID																				
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#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																								
1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	5	450	14724.18	129041																								
<b>PSF References</b>	<p>Additional Justification: false</p>																																		

Proposal 1406 - Observation 39 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 38, 39, 43, Non-interruptible

Proposal 1406 - Observation 40 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 40: 1065-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [1065-Q1 (Obs 32), 1065-Q4 (Obs 33)]</p>											
<b>Diagnostics</b>	(Visit 40:1) 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>		
	(15)	CVZ-SOUTH-BGND	RA: 06 06 41.0000 (91.6708333d) Dec: -67 19 45.00 (-67.32917d) Equinox: J2000				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=Star</i></p> <p><i>Description=[K stars]</i></p>											
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>						<b>Background Quadrant</b>				
	FND	YES						1				
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	2	42	1016.243	129041
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 40 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 32, 33, 40, Non-interruptible

Proposal 1406 - Observation 41 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 41: 1140-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [1140-Q1 (Obs 34), 1140-Q4 (Obs 35)]</p>											
<b>Diagnostics</b>	(Visit 41:1) 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>		
	(15)	CVZ-SOUTH-BGND	RA: 06 06 41.0000 (91.6708333d) Dec: -67 19 45.00 (-67.32917d) Equinox: J2000				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=Star</i></p> <p><i>Description=[K stars]</i></p>											
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>						<b>Background Quadrant</b>				
	FND	YES						2				
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	2	42	1016.243	129041
<b>PSF References</b>	Additional Justification: false											

## Proposal 1406 - Observation 41 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

No Parallel

Group Observations 34, 35, 41, Non-interruptible

Proposal 1406 - Observation 42 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 42: 1550-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [1550-Q1 (Obs 36), 1550-Q4 (Obs 37)]</p>											
<b>Diagnostics</b>	(Visit 42:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
(15)	CVZ-SOUTH-BGND	RA: 06 06 41.0000 (91.6708333d) Dec: -67 19 45.00 (-67.32917d) Equinox: J2000				Epoch of Position: 2015.5						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[K stars]</i>												
<b>Acquisition</b>	#											Target
1											NONE	
<b>Template</b>	AcqFilter		Repeat observation					Background Quadrant				
FND		YES					1					
<b>Dithers</b>	#											Dither Type
1											BACKGROUND	
<b>Spectral Elements</b>	#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1550C	4QPM	F1550C	FASTR1	100	21	1	2	42	1016.243	129041	
<b>PSF References</b>	Additional Justification: false											

Proposal 1406 - Observation 42 - Verification of the MIRI Coronagraphic Target Acquisition

**Special Requirements**

No Parallel

Group Observations 36, 37, 42, Non-interruptible

Proposal 1406 - Observation 43 - Verification of the MIRI Coronagraphic Target Acquisition

Fri Nov 04 22:00:30 GMT 2022

<b>Observation</b>	<p><b>Proposal 1406, Observation 43: Lyot-BGND</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Coronagraphic Imaging</p> <p>Background Observation For: [Lyot-Q1 (Obs 38), Lyot-Q4 (Obs 39)]</p>											
<b>Diagnostics</b>	(Visit 43:1) 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>		
	(15)	CVZ-SOUTH-BGND	RA: 06 06 41.0000 (91.6708333d) Dec: -67 19 45.00 (-67.32917d) Equinox: J2000				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=Star</i></p> <p><i>Description=[K stars]</i></p>											
<b>Acquisition</b>	<b>#</b>											<b>Target</b>
	1											NONE
<b>Template</b>	<b>AcqFilter</b>	<b>Repeat observation</b>							<b>Background Quadrant</b>			
	FND	YES							2			
<b>Dithers</b>	<b>#</b>											<b>Dither Type</b>
	1											BACKGROUND
<b>Spectral Elements</b>	<b>#</b>	<b>Coron Mask/Filter</b>	<b>Mask</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	2	180	5889.672	129041
<b>PSF References</b>	Additional Justification: false											

## Proposal 1406 - Observation 43 - Verification of the MIRI Coronagraphic Target Acquisition

### Special Requirements

No Parallel

Group Observations 38, 39, 43, Non-interruptible