



4440 - MIRI Coronagraph Boresight Offset

Cycle: 1, Proposal Category: CAL/MIRI

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Jonathan Aguilar (PI)	Space Telescope Science Institute

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
F1550C/F1000W Boresight Offsets				
	1	upper left	MIRI External Flat	(3) BD+60-BORESIGHT
	2	lower left	MIRI External Flat	(3) BD+60-BORESIGHT
	3	upper right	MIRI External Flat	(3) BD+60-BORESIGHT
	4	lower right	MIRI External Flat	(3) BD+60-BORESIGHT
	5	center upper left	MIRI External Flat	(3) BD+60-BORESIGHT
	6	center lower left	MIRI External Flat	(3) BD+60-BORESIGHT
	7	center upper right	MIRI External Flat	(3) BD+60-BORESIGHT
	8	center lower right	MIRI External Flat	(3) BD+60-BORESIGHT
	11	upper left	MIRI External Flat	(7) BD+60-1753
	12	lower left	MIRI External Flat	(7) BD+60-1753
	13	upper right	MIRI External Flat	(7) BD+60-1753
	14	lower right	MIRI External Flat	(7) BD+60-1753
	15	center upper left	MIRI External Flat	(7) BD+60-1753
	16	center lower left	MIRI External Flat	(7) BD+60-1753
	17	center upper right	MIRI External Flat	(7) BD+60-1753
	18	center lower right	MIRI External Flat	(7) BD+60-1753
TA confirmation with binary				
	19	Binary confirmation A	MIRI Coronagraphic Imaging	(8) HD-167855A

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	20	Binary confirmation B	MIRI Coronagraphic Imaging	(10) HD-167855B

ABSTRACT

This program will measure the boresight offset between the F1000W imaging filter and the F1550C coronagraphic filter. It will also test our knowledge of that offset with a second set of observations.

This calibration program is provisional and may change in response to system developments and the final science program.

OBSERVING DESCRIPTION

Observations 1-8 will measure the boresight offset at the reference point of the subarray. Observations 9 and 10 will test the TA performance, after the boresight offsets have been updated in SIAF. The time constraints for Obs 1-8 and Obs 9-10 will provide the time required to update the SIAF and test that update before the beginning of Cycle 2.

Observations 1-8 should occur before 15 May 2023.

Observations 9-10 should occur in the period 7-16 June 2023.

All observations will be of the standard star BD+60 1753.

Proposal 4440 - Targets - MIRI Coronagraph Boresight Offset

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3. Category=Calibration Description=[A stars] Extended=NO</i>				
(4)	BD+60-TA	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 mas/yr Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3. Category=Calibration Description=[A stars] Extended=NO</i>				
(5)	BD+60-BACKGROUND	RA: 17 25 8.3674 (261.2848642d) Dec: +60 31 39.14 (60.52754d) Equinox: J2000	Proper Motion RA: 0 Proper Motion Dec: 0	
<i>Comments: The background is 325" east and 348" north of BD+60 1753. Category=Calibration Description=[A stars]</i>				
(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
<i>PM entered manually by JA from SIMBAD Category=Calibration Description=[A stars] Extended=NO</i>				
(8)	HD-167855A	RA: 18 11 15.2709 (272.8136288d) Dec: +69 15 0.27 (69.25007d) Equinox: J2000	Proper Motion RA: 10.7067 mas/yr Proper Motion Dec: 30.4788 mas/yr Parallax: 0.0082679 " Epoch of Position: 2016	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Position, PM, and parallax entered from Gaia DR3 by Jonathan Aguilar. Category=Calibration Description=[Binary stars, G stars]</i>				
(9)	HD-167855A- BACKGROUND	RA: 18 11 27.0524 (272.8627183d) Dec: +69 15 3.09 (69.25086d) Equinox: J2000	Proper Motion RA: 0 mas/yr Proper Motion Dec: 0 mas/yr Parallax: 0" Epoch of Position: 2016	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Position, PM, and parallax entered from Gaia DR3 by Jonathan Aguilar. Category=Unidentified Description=[Blank field]</i>				

Fixed Targets

Proposal 4440 - Targets - MIRI Coronagraph Boresight Offset

(10)	HD-167855B	RA: 18 11 14.9161 (272.8121504d)	Proper Motion RA: 9.4049 mas/yr
		Dec: +69 14 56.34 (69.24898d)	Proper Motion Dec: 30.9726 mas/yr
		Equinox: J2000	Parallax: 0.0082638 "
			Epoch of Position: 2016

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position, PM, and parallax entered from Gaia DR3 by Jonathan Aguilar.
Category=Calibration
Description=[G stars]*

Proposal 4440 - Observation 1 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 1: upper left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</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				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p> <p><i>Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Before Date 15-MAY-2023</p> <p>Offset -6.37 arcsec, 6.88 arcsec</p> <p>No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 2 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 2: lower left Diagnostic Status: Warning Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3. Category=Calibration Description=[A stars] Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Offset -6.664 arcsec, -5.648 arcsec No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 3 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 3: upper right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p> <p><i>Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Offset 5.947 arcsec, 5.698 arcsec</p> <p>No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 4 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 4: lower right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 4:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>BD+60-BORESIGHT</td> <td>RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000</td> <td>Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: Position from Gaia EDR3. Category=Calibration Description=[A stars] Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0																														
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																															
(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0																																																
Template	<table border="1"> <thead> <tr> <th>Pointing Type</th> <th>Detector</th> <th>Dither</th> <th>Lamp Use</th> <th>Lamp On Time</th> <th>Imager Subarray</th> <th>Grating Wheel Direction</th> </tr> </thead> <tbody> <tr> <td>PRIME</td> <td>IMAGER</td> <td>false</td> <td>OFF ONLY</td> <td>0</td> <td>MASK1550</td> <td>NEUTRAL</td> </tr> </tbody> </table>												Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																									
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1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207																																							
2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207																																							
Special Requirements	<p>Offset 5.448 arcsec, -6.405 arcsec No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>																																																		

Proposal 4440 - Observation 5 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 5: center upper left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p> <p><i>Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Offset -1.559 arcsec, 1.684 arcsec</p> <p>No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 6 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 6: center lower left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 6:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>BD+60-BORESIGHT</td> <td>RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000</td> <td>Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: Position from Gaia EDR3. Category=Calibration Description=[A stars] Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0																														
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																															
(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000	Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0																																																
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#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
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2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207																																							
Special Requirements	<p>Offset -1.797 arcsec, -1.423 arcsec No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>																																																		

Proposal 4440 - Observation 7 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 7: center upper right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p> <p><i>Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Offset 1.41 arcsec, 1.247 arcsec</p> <p>No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 8 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 8: center lower right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	BD+60-BORESIGHT	RA: 17 24 52.2772 (261.2178217d) Dec: +60 25 50.78 (60.43077d) Equinox: J2000			Proper Motion RA: 3.981 mas/yr Proper Motion Dec: 1.809 arcsec/yr Epoch of Position: 2000.0							
	<p><i>Comments: Position from Gaia EDR3.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p> <p><i>Extended=NO</i></p>												
Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction						
	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL						
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1000W			FASTR1	22	1	1	1	1	5.273	151207
	2	IMAGER	F1550C			FASTR1	100	3	1	1	3	72.383	151207
Special Requirements	<p>Offset 1.395 arcsec, -1.749 arcsec</p> <p>No Parallel Attachments</p> <p>Sequence Observations 1, 2, 3, 4, 5, 6, 7, 8, Non-interruptible</p>												

Proposal 4440 - Observation 11 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 11: upper left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 11:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
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2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Before Date 01-JUN-2023 Offset -6.37 arcsec, 6.88 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 12 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 12: lower left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 12:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
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2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset -6.664 arcsec, -5.648 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 13 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 13: upper right Diagnostic Status: Warning Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 13:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
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2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset 5.947 arcsec, 5.698 arcsec No Parallel Attachments Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 14 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 14: lower right Diagnostic Status: Warning Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 14:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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Special Requirements	<p>Offset 5.448 arcsec, -6.405 arcsec No Parallel Attachments Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 15 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 15: center upper left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	(Visit 15:1) 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>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction																																													
PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207																																							
2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset -1.559 arcsec, 1.684 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 16 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 16: center lower left</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 16:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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Template	<table border="1"> <thead> <tr> <th>Pointing Type</th> <th>Detector</th> <th>Dither</th> <th>Lamp Use</th> <th>Lamp On Time</th> <th>Imager Subarray</th> <th>Grating Wheel Direction</th> </tr> </thead> <tbody> <tr> <td>PRIME</td> <td>IMAGER</td> <td>false</td> <td>OFF ONLY</td> <td>0</td> <td>MASK1550</td> <td>NEUTRAL</td> </tr> </tbody> </table>												Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																									
Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction																																													
PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207																																							
2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset -1.797 arcsec, -1.423 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 17 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 17: center upper right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 17:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																																																
Template	<table border="1"> <thead> <tr> <th>Pointing Type</th> <th>Detector</th> <th>Dither</th> <th>Lamp Use</th> <th>Lamp On Time</th> <th>Imager Subarray</th> <th>Grating Wheel Direction</th> </tr> </thead> <tbody> <tr> <td>PRIME</td> <td>IMAGER</td> <td>false</td> <td>OFF ONLY</td> <td>0</td> <td>MASK1550</td> <td>NEUTRAL</td> </tr> </tbody> </table>												Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																									
Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction																																													
PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207																																							
2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset 1.41 arcsec, 1.247 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 18 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 18: center lower right</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>																																																		
Diagnostics	<p>(Visit 18:1) 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>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>BD+60-1753</td> <td>RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000</td> <td>Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0</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><i>PM entered manually by JA from SIMBAD</i> <i>Category=Calibration</i> <i>Description=[A stars]</i> <i>Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																														
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(7)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 4.892 mas/yr Proper Motion Dec: 3.759 mas/yr Parallax: 0.0017825" Epoch of Position: 2000.0																																																
Template	<table border="1"> <thead> <tr> <th>Pointing Type</th> <th>Detector</th> <th>Dither</th> <th>Lamp Use</th> <th>Lamp On Time</th> <th>Imager Subarray</th> <th>Grating Wheel Direction</th> </tr> </thead> <tbody> <tr> <td>PRIME</td> <td>IMAGER</td> <td>false</td> <td>OFF ONLY</td> <td>0</td> <td>MASK1550</td> <td>NEUTRAL</td> </tr> </tbody> </table>												Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction	PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																									
Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray	Grating Wheel Direction																																													
PRIME	IMAGER	false	OFF ONLY	0	MASK1550	NEUTRAL																																													
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Detector</th> <th>Filter</th> <th>Wavelength 1 & 4</th> <th>Wavelength 2 & 3</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IMAGER</td> <td>F1000W</td> <td></td> <td></td> <td>FASTR1</td> <td>25</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>12.224</td> <td>151207</td> </tr> <tr> <td>2</td> <td>IMAGER</td> <td>F1550C</td> <td></td> <td></td> <td>FASTR1</td> <td>100</td> <td>2</td> <td>1</td> <td>1</td> <td>2</td> <td>48.176</td> <td>151207</td> </tr> </tbody> </table>												#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207	2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207
#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																							
1	IMAGER	F1000W			FASTR1	25	2	1	1	2	12.224	151207																																							
2	IMAGER	F1550C			FASTR1	100	2	1	1	2	48.176	151207																																							
Special Requirements	<p>Offset 1.395 arcsec, -1.749 arcsec No Parallel Attachments</p> <p>Sequence Observations 11, 12, 13, 14, 15, 16, 17, 18, Non-interruptible</p>																																																		

Proposal 4440 - Observation 19 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 19: Binary confirmation A</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI 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				
	(8)	HD-167855A	RA: 18 11 15.2709 (272.8136288d) Dec: +69 15 0.27 (69.25007d) Equinox: J2000			Proper Motion RA: 10.7067 mas/yr Proper Motion Dec: 30.4788 mas/yr Parallax: 0.0082679 " Epoch of Position: 2016							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Position, PM, and parallax entered from Gaia DR3 by Jonathan Aguilar. Category=Calibration Description=[Binary stars, G stars]</i></p>												
Acquisition	#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID			
	1	SAME	F1000W	1	FAST	6	1	1	1.438	151207			
Template	<p>Repeat observation</p> <p>NO</p>												
Dithers	#	Dither Type											
	1	NONE											
Spectral Elements	#	Coron Mask/Filter	Subarray	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	4QPM/F1550C	MASK1550	4QPM	F1550C	FASTR1	100	10	1	1	10	241.837	151207

Proposal 4440 - Observation 19 - MIRI Coronagraph Boresight Offset

PSF References	Additional Justification: false
Special Requirements	Between Dates 22-JUN-2023 and 01-JUL-2023 Offset -0.0367 arcsec, -0.0949 arcsec No Parallel Attachments Sequence Observations 19, 20, Non-interruptible

Proposal 4440 - Observation 20 - MIRI Coronagraph Boresight Offset

Thu Jun 08 21:00:28 GMT 2023

Observation	<p>Proposal 4440, Observation 20: Binary confirmation B</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI 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				
	(10)	HD-167855B	RA: 18 11 14.9161 (272.8121504d) Dec: +69 14 56.34 (69.24898d) Equinox: J2000			Proper Motion RA: 9.4049 mas/yr Proper Motion Dec: 30.9726 mas/yr Parallax: 0.0082638 " Epoch of Position: 2016							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Position, PM, and parallax entered from Gaia DR3 by Jonathan Aguilar. Category=Calibration Description=[G stars]</i></p>												
Acquisition	#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID			
	1	SAME	F1000W	1	FAST	6	1	1	1.438	151207			
Template	<p>Repeat observation</p> <p>NO</p>												
Dithers	#	Dither Type											
	1	NONE											
Spectral Elements	#	Coron Mask/Filter	Subarray	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	4QPM/F1550C	MASK1550	4QPM	F1550C	FASTR1	100	10	1	1	10	241.837	151207

Proposal 4440 - Observation 20 - MIRI Coronagraph Boresight Offset

PSF References	Additional Justification: false
Special Requirements	Between Dates 22-JUN-2023 and 01-JUL-2023 Offset -0.0367 arcsec, -0.0949 arcsec No Parallel Attachments Sequence Observations 19, 20, Non-interruptible