



2064 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Cycle: 1, Proposal Category: GO

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JWST Proposal 2064 (Created: Monday, October 3, 2022 at 11:00:35 AM Eastern Standard Time) - Overview

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		MIRI Imaging	(1) ESO-428-14
	2		MIRI Imaging	(9) ESO-428-14-BCKGND
	3		MIRI Imaging	(2) NGC-2992
	4		MIRI Imaging	(10) NGC-2992-BCKGND
	5		MIRI Imaging	(3) NGC-3081
	6		MIRI Imaging	(11) NGC-3081-BCKGND
	7		MIRI Imaging	(4) NGC-3227
	8		MIRI Imaging	(12) NGC-3227-BCKGND
	9		MIRI Imaging	(5) NGC-4388
	10		MIRI Imaging	(13) NGC-4388-BCKGND
	11		MIRI Imaging	(6) NGC-5135
	12		MIRI Imaging	(14) NGC-5135-BCKGND
	13		MIRI Imaging	(7) NGC-5728
	14		MIRI Imaging	(15) NGC-5728-BCKGND
	15		MIRI Imaging	(8) NGC-7172
	16		MIRI Imaging	(16) NGC-7172-BCKGND
	61		MIRI Imaging	(6) NGC-5135
	62		MIRI Imaging	(14) NGC-5135-BCKGND
	63		MIRI Imaging	(7) NGC-5728

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	64		MIRI Imaging	(15) NGC-5728-BCKGND
	65		MIRI Imaging	(8) NGC-7172
	66		MIRI Imaging	(16) NGC-7172-BCKGND

ABSTRACT

Understanding the outflows driven by Active Galactic Nuclei (AGN) is of key importance for the modern view of galaxy evolution. A recent paradigm shift in our picture of dust in the vicinity of AGN offers promise for outflow science. We now know that a major part of an AGN's mid-infrared (MIR) dust emission comes from a polar structure that arises in a radiatively-accelerated dusty wind. Ground-based work has shown that similar polar emission is also found hundreds of pc away from the nucleus. If we can confirm that this extended polar emission is fundamentally connected to the pc-scale dusty wind, it will be our best evidence yet for a coherent dynamical connection between nuclear and galaxy-scale outflows.

This proposal will employ MIRI multi-filter imaging to unravel the nature of AGN-heated emission beyond the central 100 parsec. It relies on the unparalleled surface-brightness sensitivity of JWST, a strength that the best ground-based instruments cannot match. Our 8 targets are well-studied nearby Seyferts that already have established polar dust detections, and are carefully selected for their high-resolution ancillary data (HST imaging, AO-assisted and ALMA 3D spectroscopy).

The new JWST data will reveal the structure and colors of the extended dust. We will compare the geometry of the dust to the predictions of hydrodynamic simulations, determine its masses and energy content using state-of-the-art radiative transfer models, and explore its grain composition using novel diagnostics of broad-band spectral features. Along with ancillary kinematic information, we will test the salient hypothesis that the extended dust emission is shaped by a nuclear outflow.

OBSERVING DESCRIPTION

The proposed observations consist of MIRI imager exposures in multiple bands over the central regions of eight (8) nearby Seyfert galaxies. The targets are bright extended galaxies and all have bright point sources that account for most of their central mid-infrared flux.

Our science goals investigate the nature of the low surface-brightness extended warm dust emission.

We require 5 filterbands (F560W, F1000W, F1500W, F1800W, F2100W) for a detailed study of resolved spectral energy distributions, temperature modelling, and dust mass estimation.

We adopt a strategy of short ramps ($N_{\text{group}} = 5$) and many integrations ($N_{\text{int}} = 50$) to minimise saturation of the central point source, while obtaining sufficiently deep exposures sensitive to the extended emission. We will use the SUB256 imaging subarray, which has a suitable field of view for our goals coupled with a FAST readout mode.

Our science pointings are centered on our targets and take a 4-point dither strategy optimised for point-sources to allow for background estimation, the treatment of detector flatfields, and central point source modelling and subtraction. In order to accurately remove the thermal backgrounds which will affect the three long wavelength bands, we will also take exposures of a nearby background field for all our targets, with an identical readout configuration and a 2-point dither to remove source structure in the field.

Proposal 2064 - Targets - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ESO-428-14	RA: 07 16 31.2340 (109.1301417d) Dec: -29 19 29.05 (-29.32474d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(2)	NGC-2992	RA: 09 45 42.0450 (146.4251875d) Dec: -14 19 34.90 (-14.32636d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(3)	NGC-3081	RA: 09 59 29.5310 (149.8730458d) Dec: -22 49 34.32 (-22.82620d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(4)	NGC-3227	RA: 10 23 30.5700 (155.8773750d) Dec: +19 51 54.30 (19.86508d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(5)	NGC-4388	RA: 12 25 46.8200 (186.4450833d) Dec: +12 39 43.45 (12.66207d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(6)	NGC-5135	RA: 13 25 44.0590 (201.4335792d) Dec: -29 50 1.24 (-29.83368d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(7)	NGC-5728	RA: 14 42 23.9280 (220.5997000d) Dec: -17 15 11.41 (-17.25317d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				
(8)	NGC-7172	RA: 22 02 1.8970 (330.5079042d) Dec: -31 52 11.60 (-31.86989d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>				

Fixed Targets

Proposal 2064 - Targets - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

(9)	ESO-428-14-BCKGND	RA: 07 16 41.3435 (109.1722646d) Dec: -29 19 13.49 (-29.32041d) Equinox: J2000	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(10)	NGC-2992-BCKGND	RA: 09 45 49.1668 (146.4548617d) Dec: -14 19 50.04 (-14.33057d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(11)	NGC-3081-BCKGND	RA: 09 59 36.6815 (149.9028396d) Dec: -22 48 29.30 (-22.80814d) Equinox: J2000	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(12)	NGC-3227-BCKGND	RA: 10 23 46.3739 (155.9432246d) Dec: +19 51 41.42 (19.86151d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(13)	NGC-4388-BCKGND	RA: 12 25 48.6626 (186.4527608d) Dec: +12 42 4.15 (12.70115d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(14)	NGC-5135-BCKGND	RA: 13 25 52.1500 (201.4672917d) Dec: -29 47 59.90 (-29.79997d) Equinox: J2000	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(15)	NGC-5728-BCKGND	RA: 14 42 12.5654 (220.5523558d) Dec: -17 14 27.92 (-17.24109d) Equinox: J2000	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			
(16)	NGC-7172-BCKGND	RA: 22 01 52.1528 (330.4673033d) Dec: -31 51 44.66 (-31.86241d) 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=Galaxy Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</p>			

Proposal 2064 - Observation 1 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 2]</p>										
Diagnostics	<p>(Observation 1) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(1)	ESO-428-14	RA: 07 16 31.2340 (109.1301417d) Dec: -29 19 29.05 (-29.32474d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 1, 2, Non-interruptible</p>										

Proposal 2064 - Observation 2 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 1]</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			
	(9)	ESO-428-14-BCKGND	RA: 07 16 41.3435 (109.1722646d) Dec: -29 19 13.49 (-29.32041d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 1, 2, Non-interruptible										

Proposal 2064 - Observation 3 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 3</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 4]</p>																																																																											
Diagnostics	<p>(Observation 3) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 3:1) 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 colspan="2">Targ. Coord. Corrections</th> <th colspan="5">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>NGC-2992</td> <td>RA: 09 45 42.0450 (146.4251875d) Dec: -14 19 34.90 (-14.32636d) Equinox: J2000</td> <td colspan="2">Epoch of Position: 2015.5</td> <td colspan="5"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections		Miscellaneous					(2)	NGC-2992	RA: 09 45 42.0450 (146.4251875d) Dec: -14 19 34.90 (-14.32636d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>																																													
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Special Requirements	<p>Sequence Observations 3, 4, Non-interruptible</p>																																																																											

Proposal 2064 - Observation 4 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 4</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 3]</p>										
Diagnostics	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(10)	NGC-2992-BCKGND	RA: 09 45 49.1668 (146.4548617d) Dec: -14 19 50.04 (-14.33057d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 3, 4, Non-interruptible										

Proposal 2064 - Observation 5 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 5</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 6]</p>																																																																											
Diagnostics	<p>(Observation 5) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 5:1) 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 colspan="2">Targ. Coord. Corrections</th> <th colspan="5">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>NGC-3081</td> <td>RA: 09 59 29.5310 (149.8730458d) Dec: -22 49 34.32 (-22.82620d) Equinox: J2000</td> <td colspan="2"></td> <td colspan="5"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections		Miscellaneous					(3)	NGC-3081	RA: 09 59 29.5310 (149.8730458d) Dec: -22 49 34.32 (-22.82620d) Equinox: J2000								<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>																																													
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Template	<p>Subarray</p> <p>SUB256</p>																																																																											
Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> <th>Starting Point</th> <th>Number of Points</th> <th>Points</th> <th>Starting Set</th> <th>Number of Sets</th> <th>Optimized For</th> <th>Direction</th> <th>Pattern Size</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4-Point-Sets</td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>POINT SOURCE</td> <td>POSITIVE</td> <td>SMALL</td> </tr> </tbody> </table>										#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL																																														
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Dither</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>F560W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>2</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>3</td> <td>F1500W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>4</td> <td>F1800W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>5</td> <td>F2100W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> </tbody> </table>										#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
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5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
Special Requirements	<p>Sequence Observations 5, 6, Non-interruptible</p>																																																																											

Proposal 2064 - Observation 6 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 6</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 5]</p>										
Diagnostics	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(11)	NGC-3081-BCKGND	RA: 09 59 36.6815 (149.9028396d) Dec: -22 48 29.30 (-22.80814d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 5, 6, Non-interruptible										

Proposal 2064 - Observation 7 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 7</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 8]</p>																																																																											
Diagnostics	<p>(Observation 7) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 7:1) 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 colspan="2">Targ. Coord. Corrections</th> <th colspan="5">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>NGC-3227</td> <td>RA: 10 23 30.5700 (155.8773750d) Dec: +19 51 54.30 (19.86508d) Equinox: J2000</td> <td colspan="2">Epoch of Position: 2015.5</td> <td colspan="5"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections		Miscellaneous					(4)	NGC-3227	RA: 10 23 30.5700 (155.8773750d) Dec: +19 51 54.30 (19.86508d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>																																													
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2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
Special Requirements	<p>Sequence Observations 7, 8, Non-interruptible</p>																																																																											

Proposal 2064 - Observation 8 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 8</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 7]</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			
	(12)	NGC-3227-BCKGND	RA: 10 23 46.3739 (155.9432246d) Dec: +19 51 41.42 (19.86151d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 7, 8, Non-interruptible										

Proposal 2064 - Observation 9 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 9</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 10]</p>										
Diagnostics	<p>(Observation 9) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(5)	NGC-4388	RA: 12 25 46.8200 (186.4450833d) Dec: +12 39 43.45 (12.66207d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 9, 10, Non-interruptible</p>										

Proposal 2064 - Observation 10 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 10</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 9]</p>										
Diagnostics	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(13)	NGC-4388-BCKGND	RA: 12 25 48.6626 (186.4527608d) Dec: +12 42 4.15 (12.70115d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 9, 10, Non-interruptible										

Proposal 2064 - Observation 11 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 11</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 12]</p>										
Diagnostics	<p>(Observation 11) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(6)	NGC-5135	RA: 13 25 44.0590 (201.4335792d) Dec: -29 50 1.24 (-29.83368d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 11, 12, Non-interruptible</p>										

Proposal 2064 - Observation 12 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 12</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 11]</p>										
Diagnostics	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(14)	NGC-5135-BCKGND	RA: 13 25 52.1500 (201.4672917d) Dec: -29 47 59.90 (-29.79997d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 11, 12, Non-interruptible										

Proposal 2064 - Observation 13 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 13</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 14]</p>										
Diagnostics	<p>(Observation 13) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(7)	NGC-5728	RA: 14 42 23.9280 (220.5997000d)								
			Dec: -17 15 11.41 (-17.25317d)								
			Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 13, 14, Non-interruptible</p>										

Proposal 2064 - Observation 14 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 14</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 13]</p>										
Diagnostics	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(15)	NGC-5728-BCKGND	RA: 14 42 12.5654 (220.5523558d) Dec: -17 14 27.92 (-17.24109d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 13, 14, Non-interruptible										

Proposal 2064 - Observation 15 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 15</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 16]</p>										
Diagnostics	<p>(Observation 15) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(8)	NGC-7172	RA: 22 02 1.8970 (330.5079042d) Dec: -31 52 11.60 (-31.86989d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 15, 16, Non-interruptible</p>										

Proposal 2064 - Observation 16 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 16</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 15]</p>										
Diagnostics	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(16)	NGC-7172-BCKGND	RA: 22 01 52.1528 (330.4673033d) Dec: -31 51 44.66 (-31.86241d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 15, 16, Non-interruptible										

Proposal 2064 - Observation 61 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 61</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 62]</p>										
Diagnostics	<p>(Observation 61) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(6)	NGC-5135	RA: 13 25 44.0590 (201.4335792d) Dec: -29 50 1.24 (-29.83368d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 61, 62, Non-interruptible</p>										

Proposal 2064 - Observation 62 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 62</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 61]</p>										
Diagnostics	(Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(14)	NGC-5135-BCKGND	RA: 13 25 52.1500 (201.4672917d) Dec: -29 47 59.90 (-29.79997d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 61, 62, Non-interruptible										

Proposal 2064 - Observation 63 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 63</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 64]</p>										
Diagnostics	<p>(Observation 63) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(7)	NGC-5728	RA: 14 42 23.9280 (220.5997000d)								
			Dec: -17 15 11.41 (-17.25317d)								
			Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
Special Requirements	<p>Sequence Observations 63, 64, Non-interruptible</p>										

Proposal 2064 - Observation 64 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 64</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 63]</p>										
Diagnostics	(Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(15)	NGC-5728-BCKGND	RA: 14 42 12.5654 (220.5523558d) Dec: -17 14 27.92 (-17.24109d) Equinox: J2000								
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 63, 64, Non-interruptible										

Proposal 2064 - Observation 65 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 65</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observations:[Observation 66]</p>																																																																											
Diagnostics	<p>(Observation 65) Warning (Form): Use of background targets not expected with this template</p> <p>(Visit 65:1) 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 colspan="2">Targ. Coord. Corrections</th> <th colspan="5">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>NGC-7172</td> <td>RA: 22 02 1.8970 (330.5079042d) Dec: -31 52 11.60 (-31.86989d) Equinox: J2000</td> <td colspan="2">Epoch of Position: 2015.5</td> <td colspan="5"></td> </tr> <tr> <td colspan="10"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections		Miscellaneous					(8)	NGC-7172	RA: 22 02 1.8970 (330.5079042d) Dec: -31 52 11.60 (-31.86989d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>																																													
#	Name	Target Coordinates	Targ. Coord. Corrections		Miscellaneous																																																																							
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>																																																																												
Template	<p>Subarray</p> <p>SUB256</p>																																																																											
Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> <th>Starting Point</th> <th>Number of Points</th> <th>Points</th> <th>Starting Set</th> <th>Number of Sets</th> <th>Optimized For</th> <th>Direction</th> <th>Pattern Size</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4-Point-Sets</td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>POINT SOURCE</td> <td>POSITIVE</td> <td>SMALL</td> </tr> </tbody> </table>										#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL																																														
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1	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	SMALL																																																																			
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Dither</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>F560W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>2</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>3</td> <td>F1500W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>4</td> <td>F1800W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> <tr> <td>5</td> <td>F2100W</td> <td>FASTR1</td> <td>5</td> <td>50</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>200</td> <td>358.226</td> <td>63412</td> </tr> </tbody> </table>										#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	F560W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	3	F1500W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	4	F1800W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412	5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412
#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																																																		
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2	F1000W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
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5	F2100W	FASTR1	5	50	1	Dither 1	4	200	358.226	63412																																																																		
Special Requirements	<p>Sequence Observations 65, 66, Non-interruptible</p>																																																																											

Proposal 2064 - Observation 66 - Dust in the Wind: testing a new paradigm for the nature of AGN feedback

Mon Oct 03 16:00:35 GMT 2022

Observation	<p>Proposal 2064, Observation 66</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> <p>Background Observation For: [Observation 65]</p>										
Diagnostics	(Visit 66:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(16)	NGC-7172-BCKGND	RA: 22 01 52.1528 (330.4673033d) Dec: -31 51 44.66 (-31.86241d) 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=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Active galaxies, Seyfert galaxies]</i></p>										
Template	<p>Subarray</p> <p>SUB256</p>										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	2-Point				1	1			SMALL	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	2	F1000W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	3	F1500W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	4	F1800W	FASTR1	5	50	1	Dither 1	2	100	179.113	
	5	F2100W	FASTR1	5	50	1	Dither 1	2	100	179.113	
Special Requirements	Sequence Observations 65, 66, Non-interruptible										