



## 2016 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Cycle: 1, Proposal Category: GO

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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Dr. Luis C. Ho (CoI)	Peking University
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Prof. Sebastian F Hoenig (CoI) (ESA Member)	University of Southampton
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Dr. Eric William Pellegrini (CoI)	
Dr. Jonelle L. Walsh (CoI)	Texas A & M University

JWST Proposal 2016 (Created: Tuesday, May 2, 2023 at 6:00:35 PM Eastern Standard Time) - Overview

<i>Name</i>	<i>Institution</i>
Dr. Leonard Burtcher (CoI) (ESA Member)	Universiteit Leiden
Mr. Antoine Andre Dumont (CoI)	University of Utah
Dr. Amy E. Reines (CoI)	Montana State University - Bozeman
Prof. Jessie Caye Runnoe (CoI)	Vanderbilt University
Dr. Anja Feldmeier-Krause (CoI) (ESA Member)	Max Planck Institute for Astronomy
Dr. Timothy Andrew Davis (CoI) (ESA Member)	Cardiff University

**OBSERVATIONS**

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
NGC4395				
	1		NIRSpec IFU Spectroscopy	(1) NGC-4395-NIRSPEC
	28		NIRSpec IFU Spectroscopy	(1) NGC-4395-NIRSPEC
	2		MIRI Medium Resolution Spectroscopy	(2) NGC-4395-MIRI
	3		MIRI Medium Resolution Spectroscopy	(3) NGC-4395-MIRI-BG
NGC4258				
	7		NIRSpec IFU Spectroscopy	(7) NGC-4258-NIRSPEC
	8		MIRI Medium Resolution Spectroscopy	(8) NGC-4258-MIRI
	9		MIRI Medium Resolution Spectroscopy	(9) NGC-4258-MIRI-BG
NGC1052				
	10		NIRSpec IFU Spectroscopy	(10) NGC-1052-NIRSPEC
	11		MIRI Medium Resolution Spectroscopy	(11) NGC-1052-MIRI
	12		MIRI Medium Resolution Spectroscopy	(12) NGC-1052-MIRI-BG
M-94				
	13		NIRSpec IFU Spectroscopy	(13) M-94-NIRSPEC
	14		MIRI Medium Resolution Spectroscopy	(14) M-94-MIRI
	15		MIRI Medium Resolution Spectroscopy	(15) M-94-MIRI-BG
M-81				
	16		NIRSpec IFU Spectroscopy	(16) M-81-NIRSPEC
	17		MIRI Medium Resolution Spectroscopy	(17) M-81-MIRI
	18		MIRI Medium Resolution Spectroscopy	(18) M-81-MIRI-BG
Sombrero				
	22		NIRSpec IFU Spectroscopy	(22) SOMBRERO-NIRSPEC

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	23		MIRI Medium Resolution Spectroscopy	(23) SOMBRERO-MIRI
	24		MIRI Medium Resolution Spectroscopy	(24) SOMBRERO-MIRI-BG
M-87				
	25		NIRSpec IFU Spectroscopy	(25) M-87-NIRSPEC
	26		MIRI Medium Resolution Spectroscopy	(26) M-87-MIRI
	27		MIRI Medium Resolution Spectroscopy	(27) M-87-MIRI-BG

## ABSTRACT

JWST will be the most sensitive tool ever built for studying the accretion onto supermassive black holes (SMBHs) at the centers of galaxies. While quasars and bright active galactic nuclei (AGN) provide spectacular examples of this accretion, a vast majority of galaxies have black holes accreting at much lower rates. Although these low luminosity AGN (LLAGN) are not as well studied or understood as their brighter counterparts, it is clear their inner structures differ significantly from the accretion disks in luminous AGN. JWST spectroscopy provides a unique opportunity to significantly advance our understanding of LLAGN. Our proposal focuses on getting IFU spectra from 1.7 to 28 microns for seven of the nearest LLAGN spanning four orders of magnitude in both black hole mass and accretion rate (these will also be complemented by two GTO targets). JWST's spatial resolution will enable easy separation of the AGN from the host galaxy light providing us with spectral templates of low luminosity AGN spectra in the infrared for the first time. Detailed physical modeling of both the line emission and spectral energy distributions of these LLAGN spectra will reveal the physical structure of low luminosity AGN, and how it varies with the mass and accretion rate of the SMBH. We will also use these spectral templates to empirically determine the most sensitive lines and SED features for spectroscopically and photometrically identifying LLAGN in more distant galaxies where the AGN won't be spatially resolved. ReveaLLAGN will both significantly enhance our understanding of AGN and open a new window for future AGN studies with JWST.

## OBSERVING DESCRIPTION

The primary goal of our proposal is to characterize the infrared SEDs and line emission of seven low luminosity AGN and to use JWST's superior sensitivity and spatial resolution to cleanly disentangle their nuclear spectra from the surrounding galaxy emission. We request NIRSpec IFU observations in two gratings (G235H and G395H) and MIRI MRS observations in all three dichroic settings. Taken together, these data will provide high-quality "pure" AGN spectra over a wavelength range that is mostly inaccessible from the ground (from 1.7-28 microns)

We request ~900s exposures with both NIRSpec and MIRI to obtain  $S/N > 30$  spectra of the AGN over the full wavelength range of the data based on measured broad band fluxes in K band and at 12 microns. We will use a standard four point dither in all observations. In NIRSpec we will obtain

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LeakCals using single exposures in galaxies with fainter backgrounds, and using a full dither in the brightest three galaxies. For our MIRI observations, the variable background requires that we take offset sky exposures. These are taken in blank fields typically 5' from the center of the galaxy selected based on WISE 12 micron imaging.

# Proposal 2016 - Targets - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	NGC-4395-NIRSPEC	RA: 12 25 48.8599 (186.4535829d) Dec: +33 32 48.71 (33.54686d) Equinox: J2000		
		<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Consistent with ~0.2" of SDSS nuclear position.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i>		
(2)	NGC-4395-MIRI	RA: 12 25 48.8599 (186.4535829d) Dec: +33 32 48.71 (33.54686d) Equinox: J2000		
		<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Consistent with ~0.2" of SDSS nuclear position.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i>		
(3)	NGC-4395-MIRI-BG	RA: 12 25 49.3700 (186.4557083d) Dec: +33 35 48.70 (33.59686d) Equinox: J2000		
		<i>Comments: Background for NGC 4395, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i>		
(7)	NGC-4258-NIRSPEC	RA: 12 18 57.5048 (184.7396033d) Dec: +47 18 14.32 (47.30398d) Equinox: J2000		
		<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with Nagar et al. 2005 VLA A-configuration position (within 50 mas uncertainty).</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>		
(8)	NGC-4258-MIRI	RA: 12 18 57.5048 (184.7396033d) Dec: +47 18 14.32 (47.30398d) Equinox: J2000		
		<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with Nagar et al. 2005 VLA A-configuration position (within 50 mas uncertainty).</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>		
(9)	NGC-4258-MIRI-BG	RA: 12 19 17.6400 (184.8235000d) Dec: +47 19 59.30 (47.33314d) Equinox: J2000		
		<i>Comments: Background for NGC 4258, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>		
(10)	NGC-1052-NIRSPEC	RA: 02 41 4.7985 (40.2699938d) Dec: -08 15 20.75 (-8.25576d) Equinox: J2000		
		<i>Comments: Position from VLBI measurements of radio source from Lambert &amp; Gontier 2009, very close to Gaia EDR3 position as well.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>		
(11)	NGC-1052-MIRI	RA: 02 41 4.7985 (40.2699938d) Dec: -08 15 20.75 (-8.25576d) Equinox: J2000		
		<i>Comments: Position from VLBI measurements of radio source from Lambert &amp; Gontier 2009, very close to Gaia EDR3 position as well.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>		

Fixed Targets

## Proposal 2016 - Targets - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

(12)	NGC-1052-MIRI-BG	RA: 02 41 5.1200 (40.2713333d) Dec: -08 12 37.70 (-8.21047d) Equinox: J2000
<p><i>Comments: Background for NGC1052, precise position unimportant.</i>            Category=Galaxy            Description=[Active galactic nuclei, Elliptical galaxies]</p>		
(13)	M-94-NIRSPEC	RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000
<p><i>Comments: Based on VLA A config position of radio source from Nagar et al. 2005. Within 0.5" of the brightest region in 2MASS LGA image (Jarrett et al. 2003) and Gaia EDR3 source. Formal errors are 50mas, but I've inflated those to account for difference in central coordinates between these sources.</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		
(14)	M-94-MIRI	RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000
<p><i>Comments: Based on VLA A config position of radio source from Nagar et al. 2005. Within 0.5" of the brightest region in 2MASS LGA image (Jarrett et al. 2003) and Gaia EDR3 source. Formal errors are 50mas, but I've inflated those to account for difference in central coordinates between these sources.</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		
(15)	M-94-MIRI-BG	RA: 12 50 43.5500 (192.6814583d) Dec: +41 02 42.80 (41.04522d) Equinox: J2000
<p><i>Comments: Background for M94, precise position unimportant.</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		
(16)	M-81-NIRSPEC	RA: 09 55 33.1735 (148.8882229d) Dec: +69 03 55.06 (69.06529d) Equinox: J2000
<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLA A-array position of radio source from Nagar et al. 2015 (09 55 33.1750 +69 03 55.06).</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		
(17)	M-81-MIRI	RA: 09 55 33.1735 (148.8882229d) Dec: +69 03 55.06 (69.06529d) Equinox: J2000
<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLA A-array position of radio source from Nagar et al. 2015 (09 55 33.1750 +69 03 55.06).</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		
(18)	M-81-MIRI-BG	RA: 09 54 38.1300 (148.6588750d) Dec: +69 02 20.40 (69.03900d) Equinox: J2000
<p><i>Comments: Background for M81, precise position not important.</i>            Category=Galaxy            Description=[Active galactic nuclei, Spiral galaxies]</p>		

## Proposal 2016 - Targets - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

(22)	SOMBRERO-NIRSPEC	RA: 12 39 59.4303 (189.9976263d) Dec: -11 37 22.99 (-11.62305d) Equinox: J2000
<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLBA position from Petrov et al. 2006.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]</p>		
(23)	SOMBRERO-MIRI	RA: 12 39 59.4303 (189.9976263d) Dec: -11 37 22.99 (-11.62305d) Equinox: J2000
<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLBA position from Petrov et al. 2006.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]</p>		
(24)	SOMBRERO-MIRI-BG	RA: 12 39 55.9810 (189.9832542d) Dec: -11 32 11.44 (-11.53651d) Equinox: J2000
<p><i>Comments: Background field for Sombrero, precise position not important.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]</p>		
(25)	M-87-NIRSPEC	RA: 12 30 49.4234 (187.7059308d) Dec: +12 23 28.04 (12.39112d) Equinox: J2000
<p><i>Comments: Coordinates from Lambert &amp; Gontier 2009 VLBI measurements for M87. Consistent with many other estimates.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Elliptical galaxies]</p>		
(26)	M-87-MIRI	RA: 12 30 49.4234 (187.7059308d) Dec: +12 23 28.04 (12.39112d) Equinox: J2000
<p><i>Comments: Coordinates from Lambert &amp; Gontier 2009 VLBI measurements for M87. Consistent with many other estimates.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Elliptical galaxies]</p>		
(27)	M-87-MIRI-BG	RA: 12 30 50.2960 (187.7095667d) Dec: +12 19 8.00 (12.31889d) Equinox: J2000
<p><i>Comments: Background field for M87, precise coordinates not important.</i></p> <p>Category=Galaxy Description=[Active galactic nuclei, Elliptical galaxies]</p>		

Proposal 2016 - Observation 1 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(1)	NGC-4395-NIRSPEC	RA: 12 25 48.8599 (186.4535829d) Dec: +33 32 48.71 (33.54686d) Equinox: J2000									
	<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Consistent with ~0.2" of SDSS nuclear position.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	
	3	G395H/F290LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	

Proposal 2016 - Observation 28 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 28</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSspec IFU Spectroscopy</p> <p><i>Comments: WOPR copy of obs. 1</i></p>											
	<p>(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
<b>Diagnosics</b>												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(1)	NGC-4395-NIRSPEC	RA: 12 25 48.8599 (186.4535829d) Dec: +33 32 48.71 (33.54686d) Equinox: J2000									
<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Consistent with ~0.2" of SDSS nuclear position.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i></p>												
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	
	3	G395H/F290LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	

Proposal 2016 - Observation 2 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

Observation	<b>Proposal 2016, Observation 2</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 3]												
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(2)	NGC-4395-MIRI	RA: 12 25 48.8599 (186.4535829d) Dec: +33 32 48.71 (33.54686d) Equinox: J2000  <i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Consistent with ~0.2" of SDSS nuclear position.</i> Category=Galaxy Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]										
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray				
	F560W	ALL				YES			FULL				
Dithers	#	Dither Type				Optimized For			Direction				
	1	4-Point				EXTENDED SOURCE			NEGATIVE				
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 2 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 2, 3, Non-interruptible

Proposal 2016 - Observation 3 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 3</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 2]												
	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(3)	NGC-4395-MIRI-BG	RA: 12 25 49.3700 (186.4557083d) Dec: +33 35 48.70 (33.59686d) Equinox: J2000										
<i>Comments: Background for NGC 4395, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Dwarf galaxies, Spiral galaxies]</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>					
	F560W	ALL			YES			FULL					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 3 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 2, 3, Non-interruptible

Proposal 2016 - Observation 7 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 7</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSPEC IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(7)	NGC-4258-NIRSPEC	RA: 12 18 57.5048 (184.7396033d) Dec: +47 18 14.32 (47.30398d) Equinox: J2000									
	<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with Nagar et al. 2005 VLA A-configuration position (within 50 mas uncertainty).</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Spiral galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	
	3	G395H/F290LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPI D	14	1	true	false	NONE	1	1	218.833	

Proposal 2016 - Observation 8 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 8</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 9]												
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(8)	NGC-4258-MIRI	RA: 12 18 57.5048 (184.7396033d) Dec: +47 18 14.32 (47.30398d) Equinox: J2000			<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with Nagar et al. 2005 VLA A-configuration position (within 50 mas uncertainty).</i> Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]							
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F560W	ALL			YES			FULL					
<b>Dithers</b>	#	Dither Type			Optimized For			Direction					
	1	4-Point			EXTENDED SOURCE			NEGATIVE					
<b>Spectral Elements</b>	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 8 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 8, 9, Non-interruptible

Proposal 2016 - Observation 9 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 9</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 8]												
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(9)	NGC-4258-MIRI-BG	RA: 12 19 17.6400 (184.8235000d) Dec: +47 19 59.30 (47.33314d) Equinox: J2000										
<i>Comments: Background for NGC 4258, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>					
	F560W	ALL			YES			FULL					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 9 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 8, 9, Non-interruptible

Proposal 2016 - Observation 10 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 10</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(10)	NGC-1052-NIRSPEC	RA: 02 41 4.7985 (40.2699938d) Dec: -08 15 20.75 (-8.25576d) Equinox: J2000									
	<p><i>Comments: Position from VLBI measurements of radio source from Lambert &amp; Gontier 2009, very close to Gaia EDR3 position as well.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Elliptical galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPID	14	1	true	false	NONE	1	1	218.833	
	3	G395H/F290LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPID	14	1	true	false	NONE	1	1	218.833	

Proposal 2016 - Observation 11 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 11</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 12]												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>				<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(11)	NGC-1052-MIRI	RA: 02 41 4.7985 (40.2699938d) Dec: -08 15 20.75 (-8.25576d) Equinox: J2000  <i>Comments: Position from VLBI measurements of radio source from Lambert &amp; Gontier 2009, very close to Gaia EDR3 position as well.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>				
	F560W	ALL				YES			FULL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>			<b>Direction</b>				
	1	4-Point				EXTENDED SOURCE			NEGATIVE				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 11 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 11, 12, Non-interruptible

Proposal 2016 - Observation 12 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 12</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 11]												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>				<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(12)	NGC-1052-MIRI-BG	RA: 02 41 5.1200 (40.2713333d) Dec: -08 12 37.70 (-8.21047d) Equinox: J2000  <i>Comments: Background for NGC1052, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>				
	F560W	ALL				YES			FULL				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 12 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 11, 12, Non-interruptible

Proposal 2016 - Observation 13 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 13</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSspec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(13)	M-94-NIRSPEC	RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000									
	<p><i>Comments: Based on VLA A config position of radio source from Nagar et al. 2005. Within 0.5" of the brightest region in 2MASS LGA image (Jarrett et al. 2003) and Gaia EDR3 source. Formal errors are 50mas, but I've inflated those to account for difference in central coordinates between these sources.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Spiral galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPI D	14	1	true	true	NONE	4	4	875.333	
	3	G395H/F290LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPI D	14	1	true	true	NONE	4	4	875.333	

Proposal 2016 - Observation 14 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 14</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 15]																																																																																																																																													
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																																																													
<b>Diagnosics</b>																																																																																																																																														
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(14)</td> <td>M-94-MIRI</td> <td>RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: Based on VLA A config position of radio source from Nagar et al. 2005. Within 0.5" of the brightest region in 2MASS LGA image (Jarrett et al. 2003) and Gaia EDR3 source. Formal errors are 50mas, but I've inflated those to account for difference in central coordinates between these sources.</i>                  Category=Galaxy                  Description=[Active galactic nuclei, Spiral galaxies]</p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(14)	M-94-MIRI	RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000																																																																																																																										
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																																																																																																																									
(14)	M-94-MIRI	RA: 12 50 53.0700 (192.7211250d) Dec: +41 07 12.95 (41.12026d) Equinox: J2000																																																																																																																																												
<b>Acquisition</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>												#	Target	1	NONE																																																																																																																														
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<b>Template</b>	<table border="1"> <thead> <tr> <th>AcqFilter</th> <th>Primary Channel</th> <th>Simultaneous Imaging</th> <th>Imager Subarray</th> </tr> </thead> <tbody> <tr> <td>F560W</td> <td>ALL</td> <td>YES</td> <td>FULL</td> </tr> </tbody> </table>												AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray	F560W	ALL	YES	FULL																																																																																																																										
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1	4-Point	EXTENDED SOURCE	NEGATIVE																																																																																																																																											
<b>Spectral Elements</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Wavelength Range</th> <th>Detector</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/E xp</th> <th>Exposures/Dit h</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></td> <td>IMAGER</td> <td>F1130W</td> <td>FASTR1</td> <td>10</td> <td>7</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>28</td> <td>843.612</td> <td></td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> <tr> <td>2</td> <td></td> <td>IMAGER</td> <td>F770W</td> <td>FASTR1</td> <td>10</td> <td>7</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>28</td> <td>843.612</td> <td></td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>IMAGER</td> <td>F560W</td> <td>FASTR1</td> <td>10</td> <td>7</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>28</td> <td>843.612</td> <td></td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>27</td> <td>3</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>12</td> <td>921.313</td> <td></td> </tr> </tbody> </table>												#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612		1	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313		1	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313		2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612		2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313		2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313		3		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612		3	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313		3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
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Proposal 2016 - Observation 14 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 14, 15, Non-interruptible

Proposal 2016 - Observation 15 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 15</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 14]																																																																																																																																													
	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																																																													
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>M-94-MIRI-BG</td> <td>RA: 12 50 43.5500 (192.6814583d) Dec: +41 02 42.80 (41.04522d) Equinox: J2000</td> <td></td> <td></td> </tr> <tr> <td colspan="5"> <i>Comments: Background for M94, precise position unimportant.</i>  <i>Category=Galaxy</i>  <i>Description=[Active galactic nuclei, Spiral galaxies]</i> </td> </tr> </tbody> </table>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(15)	M-94-MIRI-BG	RA: 12 50 43.5500 (192.6814583d) Dec: +41 02 42.80 (41.04522d) Equinox: J2000			<i>Comments: Background for M94, precise position unimportant.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>																																																																																																																							
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<b>Acquisition</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>												#	Target	1	NONE																																																																																																																														
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	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328																																																																																																																																		
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	3		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928																																																																																																																																		
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328																																																																																																																																		
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Proposal 2016 - Observation 15 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 14, 15, Non-interruptible

Proposal 2016 - Observation 16 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 16</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(16)	M-81-NIRSPEC	RA: 09 55 33.1735 (148.8882229d) Dec: +69 03 55.06 (69.06529d) Equinox: J2000									
	<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLA A-array position of radio source from Nagar et al. 2015 (09 55 33.1750 +69 03 55.06).</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Spiral galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPI D	14	1	true	true	NONE	4	4	875.333	
	3	G395H/F290LP	NRSIRS2RAPI D	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPI D	14	1	true	true	NONE	4	4	875.333	

Proposal 2016 - Observation 17 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 17</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 18]												
	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>				<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(17)	M-81-MIRI	RA: 09 55 33.1735 (148.8882229d) Dec: +69 03 55.06 (69.06529d) Equinox: J2000										
<i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLA A-array position of radio source from Nagar et al. 2015 (09 55 33.1750 +69 03 55.06).</i> Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>				
	F560W	ALL				YES			FULL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>			<b>Direction</b>				
	1	4-Point				EXTENDED SOURCE			NEGATIVE				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 17 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 17, 18, Non-interruptible

Proposal 2016 - Observation 18 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 18</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 17]												
	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(18)	M-81-MIRI-BG	RA: 09 54 38.1300 (148.6588750d) Dec: +69 02 20.40 (69.03900d) Equinox: J2000										
<i>Comments: Background for M81, precise position not important.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>					
	F560W	ALL			YES			FULL					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	1	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	3	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 18 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 17, 18, Non-interruptible

Proposal 2016 - Observation 22 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 22</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(22)	SOMBRERO-NIRSPEC	RA: 12 39 59.4303 (189.9976263d) Dec: -11 37 22.99 (-11.62305d) Equinox: J2000									
	<p><i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLBA position from Petrov et al. 2006.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Spiral galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPID	14	1	true	true	NONE	4	4	875.333	
	3	G395H/F290LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPID	14	1	true	true	NONE	4	4	875.333	

Proposal 2016 - Observation 23 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

Observation	<b>Proposal 2016, Observation 23</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 24]												
	(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(23)	SOMBRERO-MIRI	RA: 12 39 59.4303 (189.9976263d) Dec: -11 37 22.99 (-11.62305d) Equinox: J2000  <i>Comments: Position is from Gaia EDR3. Uncertainty of 0.05 mas as given in Lindegren et al. 2021 for Gaia EDR3 G~17th magnitude source. Agrees well with VLBA position from Petrov et al. 2006.</i> Category=Galaxy Description=[Active galactic nuclei, Spiral galaxies]										
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F560W	ALL			YES			FULL					
Dithers	#	Dither Type			Optimized For			Direction					
	1	4-Point			EXTENDED SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 23 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 23, 24, Non-interruptible

Proposal 2016 - Observation 24 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 24</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 23]												
	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(24)	SOMBRERO-MIRI-BG	RA: 12 39 55.9810 (189.9832542d) Dec: -11 32 11.44 (-11.53651d) Equinox: J2000										
<i>Comments: Background field for Sombrero, precise position not important.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Spiral galaxies]</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>					
	F560W	ALL			YES			FULL					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 24 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 23, 24, Non-interruptible

Proposal 2016 - Observation 25 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<p><b>Proposal 2016, Observation 25</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(25)	M-87-NIRSPEC	RA: 12 30 49.4234 (187.7059308d) Dec: +12 23 28.04 (12.39112d) Equinox: J2000									
	<p><i>Comments: Coordinates from Lambert &amp; Gontier 2009 VLBI measurements for M87. Consistent with many other estimates.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, Elliptical galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	4-POINT-DITHER										
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	2	G235H/F170LP	NRSIRS2RAPID	14	1	true	false	NONE	1	1	218.833	
	3	G395H/F290LP	NRSIRS2RAPID	14	1	false	true	NONE	4	4	875.333	
	4	G395H/F290LP	NRSIRS2RAPID	14	1	true	false	NONE	1	1	218.833	

Proposal 2016 - Observation 26 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

Observation	<b>Proposal 2016, Observation 26</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Observation 27]												
	(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(26)	M-87-MIRI	RA: 12 30 49.4234 (187.7059308d) Dec: +12 23 28.04 (12.39112d) Equinox: J2000  <i>Comments: Coordinates from Lambert &amp; Gontier 2009 VLBI measurements for M87. Consistent with many other estimates.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>										
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray				
	F560W	ALL				YES			FULL				
Dithers	#	Dither Type				Optimized For			Direction				
	1	4-Point				EXTENDED SOURCE			NEGATIVE				
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F560W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2		IMAGER	F770W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3		IMAGER	F1130W	FASTR1	10	7	1	Dither 1	4	28	843.612	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	Dither 1	4	12	921.313	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	Dither 1	4	12	921.313	

Proposal 2016 - Observation 26 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 26, 27, Non-interruptible

Proposal 2016 - Observation 27 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Tue May 02 23:00:35 GMT 2023

<b>Observation</b>	<b>Proposal 2016, Observation 27</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Observation 26]												
	(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(27)	M-87-MIRI-BG	RA: 12 30 50.2960 (187.7095667d) Dec: +12 19 8.00 (12.31889d) Equinox: J2000						<i>Comments: Background field for M87, precise coordinates not important.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Elliptical galaxies]</i>				
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>					
	F560W	ALL			YES			FULL					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F560W	FASTR1	16	4	1	None	1	4	185.928	
	1	SHORT(A)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	1	SHORT(A)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	2		IMAGER	F770W	FASTR1	16	4	1	None	1	4	185.928	
	2	MEDIUM(B)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	2	MEDIUM(B)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	
	3		IMAGER	F1130W	FASTR1	16	4	1	None	1	4	185.928	
	3	LONG(C)	MRSLONG		FASTR1	27	3	1	None	1	3	230.328	
	3	LONG(C)	MRSSHORT		FASTR1	27	3	1	None	1	3	230.328	

Proposal 2016 - Observation 27 - Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)

Special Requirements

Sequence Observations 26, 27, Non-interruptible