



4972 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Cycle: 3, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
NGC 1097				
	1	MIRI/MRS	MIRI Medium Resolution Spectroscopy	(1) NGC-1097-MRS
	3	NIRSpec/IFU	NIRSpec IFU Spectroscopy	(7) NGC-1097-NIRSpec
NGC 1097 BKG				
	2	MIRI/MRS-BKG	MIRI Medium Resolution Spectroscopy	(4) NGC-1097-BACKGROUND
NGC 1266				
	5	MIRI/MRS	MIRI Medium Resolution Spectroscopy	(2) NGC-1266-MRS
	7	NIRSpec/IFU	NIRSpec IFU Spectroscopy	(8) NGC-1266-NIRSpec
NGC 1266 BKG				
	6	MIRI/MRS-BKG	MIRI Medium Resolution Spectroscopy	(5) NGC-1266-BACKGROUND
NGC 3190				
	9	MIRI/MRS	MIRI Medium Resolution Spectroscopy	(3) NGC-3190-MRS
	11	NIRSpec/IFU	NIRSpec IFU Spectroscopy	(9) NGC-3190-NIRSpec
NGC 3190 BKG				
	10	MIRI/MRS-BKG	MIRI Medium Resolution Spectroscopy	(6) NGC-3190-BACKGROUND

ABSTRACT

The "kinetic mode" feedback given its significance has been widely embraced in recent cosmological simulations of galaxy evolution. Inspired by some studies of Polycyclic Aromatic Hydrocarbons (PAHs) for different types of AGNs, we propose to explore and then utilize the capability of PAH features in diagnosing jet/shock processes that are highly correlated with the kinetic mode feedback. This goal will be achieved through empirical calibrations between PAH features and other infrared diagnostics, along with PAH emission and shock models for explanations. PAH features are widely distributed from ~ 3 to 20 micron and the kinetic mode feedback is more prevalent in low luminosity AGNs (LLAGNs), especially in the low-ionization nuclear emission-line regions (LINERs). Therefore, we propose to obtain the NIRSpec/IFU and MIRI/MRS 2.9-28.5 micron spectroscopy for the central ~ 300 -600 pc regions, where AGN activities are dominant, of 3 well studied nearby LINERs. We will constrain the spatial distributions of intrinsic and relative strengths of different PAH features in these LINERs. The distributions of infrared ionic emission lines and particularly H₂ emission lines are also valuable. These lines provide a necessary probe of the underlying physical conditions to explain the PAH characteristics and associate the PAH characteristics with jet/shock processes. Secondly, through comparison with the archived JWST Cycle 1 and 2 spectroscopy of luminous nearby Seyfert galaxies, we will quantify the differences in PAH characteristics in regions dominated by a kinetic feedback

versus the “quasar mode” feedback. The latter is more prevalent in luminous, highly accreting Seyfert galaxies.

OBSERVING DESCRIPTION

We propose to obtain the NIRSpec/IFU 2.9-5.1 micron spectroscopy using the G395H/F290LP filter and the full MIRI/MRS 4.9-27.9 micron spectroscopy (Channels 1-4) for the central regions of 3 nearby LINERs. For both the NIRSpec/IFU and MIRI/MRS spectroscopy, we request a single pointing centered on each LINER, with the 4-point dither pattern used. We also request a recommended 2-point dither background observation with the same other configurations for the MIRI/MRS spectroscopy of each target. No background observation is requested for the NIRSpec/IFU spectroscopy, but we request specific 1 point observation with the same other configurations for the leakage correction of the NIRSpec/IFU spectroscopy of each target. We use NRSIRS2RAPID and FASTR1 readout modes for NIRSpec/IFU and MIRI/MRS observations, respectively, to avoid saturation considering the bright nuclei of these LINERs. For each dither point, the group number of each integration are 9-12 for the NIRSpec/IFU spectroscopy and 70-90 for the MIRI/MRS spectroscopy, and we request 1 integration for the exposure of each target. In addition, we will also obtain the simultaneously conducted imaging using the filter of F560W, F770W, and F1130W.

Proposal 4972 - Targets - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	NGC-1097-MRS	RA: 02 46 19.0590 (41.5794125d) Dec: -30 16 29.68 (-30.27491d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies] Extended=YES</p>				
(2)	NGC-1266-MRS	RA: 03 16 0.7740 (49.0032250d) Dec: -02 25 37.83 (-2.42717d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies, Seyfert galaxies]</p>				
(3)	NGC-3190-MRS	RA: 10 18 5.6352 (154.5234800d) Dec: +21 49 56.03 (21.83223d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies]</p>				
(4)	NGC-1097-BACKGROUND	RA: 02 46 25.1117 (41.6046321d) Dec: -30 12 18.66 (-30.20518d) Equinox: J2000		
<p><i>Comments:</i> Category=Unidentified Description=[Blank field]</p>				
(5)	NGC-1266-BACKGROUND	RA: 03 16 4.1937 (49.0174738d) Dec: -02 24 0.79 (-2.40022d) Equinox: J2000		
<p><i>Comments:</i> Category=Unidentified Description=[Blank field]</p>				
(6)	NGC-3190-BACKGROUND	RA: 10 18 13.4483 (154.5560346d) Dec: +21 50 25.51 (21.84042d) Equinox: J2000		
<p><i>Comments:</i> Category=Unidentified Description=[Blank field]</p>				
(7)	NGC-1097-NIRSpec	RA: 02 46 19.0590 (41.5794125d) Dec: -30 16 29.68 (-30.27491d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies] Extended=YES</p>				
(8)	NGC-1266-NIRSpec	RA: 03 16 0.7740 (49.0032250d) Dec: -02 25 37.83 (-2.42717d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies, Seyfert galaxies]</p>				

Fixed Targets

Proposal 4972 - Targets - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

(9)	NGC-3190-NIRSpec	RA: 10 18 5.6352 (154.5234800d) Dec: +21 49 56.03 (21.83223d) Equinox: J2000
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Comments: This object was generated by the targetselector and retrieved from the NED database.

Category=Galaxy

Description=[Active galactic nuclei, LINER galaxies]

Proposal 4972 - Observation 1 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 1: MIRI/MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI/MRS-BKG (Obs 2)]												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections				Miscellaneous				
	(1)	NGC-1097-MRS	RA: 02 46 19.0590 (41.5794125d) Dec: -30 16 29.68 (-30.27491d) Equinox: J2000										
<i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies] Extended=YES													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel		Simultaneous Imaging		Imager Subarray		Grating Wheel Direction					
		All MRS		YES		SUB256		Allow Auto Reorder					
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	5	10	1	Dither 1	4	40	70.687	
	1	SHORT(A)	MRSLONG		FASTR1	70	1	1	Dither 1	4	4	777.011	
	1	SHORT(A)	MRSSHORT		FASTR1	70	1	1	Dither 1	4	4	777.011	
	2		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	70.687	
	2	MEDIUM(B)	MRSLONG		FASTR1	70	1	1	Dither 1	4	4	777.011	
	2	MEDIUM(B)	MRSSHORT		FASTR1	70	1	1	Dither 1	4	4	777.011	
	3		IMAGER	F1130W	FASTR1	5	10	1	Dither 1	4	40	70.687	
	3	LONG(C)	MRSLONG		FASTR1	70	1	1	Dither 1	4	4	777.011	
	3	LONG(C)	MRSSHORT		FASTR1	70	1	1	Dither 1	4	4	777.011	

Proposal 4972 - Observation 1 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Sequence Observations 1, 2, Non-interruptible

Proposal 4972 - Observation 3 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	<p>Proposal 4972, Observation 3: NIRSpec/IFU</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(7)	NGC-1097-NIRSpec	RA: 02 46 19.0590 (41.5794125d) Dec: -30 16 29.68 (-30.27491d) Equinox: J2000									
	<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. 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, LINER galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSIRS2RAPI D	9	1	false	true	NONE	4	4	583.556	
	2	G395H/F290LP	NRSIRS2RAPI D	9	1	true	false	NONE	1	1	145.889	

Proposal 4972 - Observation 2 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 2: MIRI/MRS-BKG Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI/MRS (Obs 1)]												
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(4)	NGC-1097-BACKGROUND	RA: 02 46 25.1117 (41.6046321d) Dec: -30 12 18.66 (-30.20518d) Equinox: J2000										
<i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			SUB256		Allow Auto Reorder			
Dithers	#	Dither Type				Optimized For				Direction			
	1	2-Point				BACKGROUND				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	5	10	1	Dither 1	2	20	35.343	
	1	SHORT(A)	MRSLONG		FASTR1	70	1	1	Dither 1	2	2	388.506	
	1	SHORT(A)	MRSSHORT		FASTR1	70	1	1	Dither 1	2	2	388.506	
	2		IMAGER	F770W	FASTR1	5	10	1	Dither 1	2	20	35.343	
	2	MEDIUM(B)	MRSLONG		FASTR1	70	1	1	Dither 1	2	2	388.506	
	2	MEDIUM(B)	MRSSHORT		FASTR1	70	1	1	Dither 1	2	2	388.506	
	3		IMAGER	F1130W	FASTR1	5	10	1	Dither 1	2	20	35.343	
	3	LONG(C)	MRSLONG		FASTR1	70	1	1	Dither 1	2	2	388.506	
	3	LONG(C)	MRSSHORT		FASTR1	70	1	1	Dither 1	2	2	388.506	

Proposal 4972 - Observation 2 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Aperture PA Range 30.0 to 50.0 Degrees (V3 30.0 to 50.0)

Sequence Observations 1, 2, Non-interruptible

Proposal 4972 - Observation 5 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 5: MIRI/MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI/MRS-BKG (Obs 6)]												
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(2)	NGC-1266-MRS	RA: 03 16 0.7740 (49.0032250d) Dec: -02 25 37.83 (-2.42717d) Equinox: J2000										
<i>Comments: This object was generated by the targetselector and retrieved from the NED database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies, Seyfert galaxies]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			SUB256		Allow Auto Reorder			
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	5	14	1	Dither 1	4	56	99.441	
	1	SHORT(A)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	1	SHORT(A)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	
	2		IMAGER	F770W	FASTR1	5	14	1	Dither 1	4	56	99.441	
	2	MEDIUM(B)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	2	MEDIUM(B)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	
	3		IMAGER	F1130W	FASTR1	5	14	1	Dither 1	4	56	99.441	
	3	LONG(C)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	3	LONG(C)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	

Proposal 4972 - Observation 5 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Sequence Observations 5, 6, Non-interruptible

Proposal 4972 - Observation 7 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	<p>Proposal 4972, Observation 7: NIRSpec/IFU</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(8)	NGC-1266-NIRSpec	RA: 03 16 0.7740 (49.0032250d) Dec: -02 25 37.83 (-2.42717d) Equinox: J2000									
	<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. 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, LINER galaxies, Seyfert galaxies]</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSIRS2RAPI D	12	1	false	true	NONE	4	4	758.622	
	2	G395H/F290LP	NRSIRS2RAPI D	12	1	true	false	NONE	1	1	189.656	

Proposal 4972 - Observation 6 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 6: MIRI/MRS-BKG Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI/MRS (Obs 5)]												
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(5)	NGC-1266-BACKGROUND	RA: 03 16 4.1937 (49.0174738d) Dec: -02 24 0.79 (-2.40022d) Equinox: J2000 <i>Comments:</i> Category=Unidentified Description=[Blank field]										
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			SUB256		Allow Auto Reorder			
Dithers	#	Dither Type				Optimized For				Direction			
	1	2-Point				BACKGROUND				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	5	14	1	Dither 1	2	28	49.72	
	1	SHORT(A)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	1	SHORT(A)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	
	2		IMAGER	F770W	FASTR1	5	14	1	Dither 1	2	28	49.72	
	2	MEDIUM(B)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	2	MEDIUM(B)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	
	3		IMAGER	F1130W	FASTR1	5	14	1	Dither 1	2	28	49.72	
	3	LONG(C)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	3	LONG(C)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	

Proposal 4972 - Observation 6 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Aperture PA Range 61.5 to 63.5 Degrees (V3 61.5 to 63.5)

Sequence Observations 5, 6, Non-interruptible

Proposal 4972 - Observation 9 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 9: MIRI/MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI/MRS-BKG (Obs 10)]												
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(3)	NGC-3190-MRS	RA: 10 18 5.6352 (154.5234800d) Dec: +21 49 56.03 (21.83223d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, LINER galaxies]</i>										
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			SUB256		Allow Auto Reorder			
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	5	14	1	Dither 1	4	56	99.441	
	1	SHORT(A)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	1	SHORT(A)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	
	2		IMAGER	F770W	FASTR1	5	14	1	Dither 1	4	56	99.441	
	2	MEDIUM(B)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	2	MEDIUM(B)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	
	3		IMAGER	F1130W	FASTR1	5	14	1	Dither 1	4	56	99.441	
	3	LONG(C)	MRSLONG		FASTR1	90	1	1	Dither 1	4	4	999.014	
	3	LONG(C)	MRSSHORT		FASTR1	90	1	1	Dither 1	4	4	999.014	

Proposal 4972 - Observation 9 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Sequence Observations 9, 10, Non-interruptible

Proposal 4972 - Observation 11 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	<p>Proposal 4972, Observation 11: NIRSpec/IFU Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(9)	NGC-3190-NIRSpec	RA: 10 18 5.6352 (154.5234800d) Dec: +21 49 56.03 (21.83223d) Equinox: J2000									
	<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> Category=Galaxy Description=[Active galactic nuclei, LINER galaxies]</p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSIRS2RAPI D	12	1	false	true	NONE	4	4	758.622	
	2	G395H/F290LP	NRSIRS2RAPI D	12	1	true	false	NONE	1	1	189.656	

Proposal 4972 - Observation 10 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Wed Sep 25 21:00:13 GMT 2024

Observation	Proposal 4972, Observation 10: MIRI/MRS-BKG Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI/MRS (Obs 9)]												
	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(6)	NGC-3190-BACKGROUND	RA: 10 18 13.4483 (154.5560346d) Dec: +21 50 25.51 (21.84042d) Equinox: J2000										
<i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			SUB256		Allow Auto Reorder			
Dithers	#	Dither Type			Optimized For			Direction					
	1	2-Point			BACKGROUND			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	5	14	1	Dither 1	2	28	49.72	
	1	SHORT(A)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	1	SHORT(A)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	
	2		IMAGER	F770W	FASTR1	5	14	1	Dither 1	2	28	49.72	
	2	MEDIUM(B)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	2	MEDIUM(B)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	
	3		IMAGER	F1130W	FASTR1	5	14	1	Dither 1	2	28	49.72	
	3	LONG(C)	MRSLONG		FASTR1	90	1	1	Dither 1	2	2	499.507	
	3	LONG(C)	MRSSHORT		FASTR1	90	1	1	Dither 1	2	2	499.507	

Proposal 4972 - Observation 10 - Hunting the Kinetic Mode Feedback of AGNs via PAH Features

Special Requirements

Aperture PA Range 111.5 to 113.5 Degrees (V3 111.5 to 113.5)

Sequence Observations 9, 10, Non-interruptible