



1335 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decomposition and Spectral Analysis Package

Cycle: 1, Proposal Category: ERS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
F2M1106				
	1	NIRSpec_F2M1106	NIRSpec IFU Spectroscopy	(1) F2M1106-NIRSPEC
	2	MIRI_F2M1106_all	MIRI Medium Resolution Spectroscopy	(2) F2M1106-MIRI
	11	MIRI_F2M1106_all_bg	MIRI Medium Resolution Spectroscopy	(3) F2M1106-BG
XID2028				
	4	NIRSpec_XID2028	NIRSpec IFU Spectroscopy	(4) XID2028-NIRSPEC
	5	MIRI_XID2028_short	MIRI Medium Resolution Spectroscopy	(5) XID2028-MIRI
	12	MIRI_XID2028_short_bg	MIRI Medium Resolution Spectroscopy	(6) XID2028-BG
SDSSJ1652				

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	8	NIRSpec_SDSSJ1652	NIRSpec IFU Spectroscopy	(7) SDSSJ1652-NIRSPEC
	9	MIRI_SDSSJ1652_sho rt	MIRI Medium Resolution Spectroscopy	(8) SDSSJ1652-MIRI
	10	MIRI_SDSSJ1652_sho rt_bg	MIRI Medium Resolution Spectroscopy	(9) SDSSJ1652-BG

ABSTRACT

In the last few years, optical and near-IR IFU observations from the ground have revolutionized extragalactic astronomy. The unprecedented infrared sensitivity, spatial resolution, and spectral coverage of the JWST IFUs will ensure high demand from the community. For a wide range of extragalactic phenomena (e.g. quasars, starbursts, supernovae, gamma ray bursts, tidal disruption events) and beyond (e.g. nebulae, debris disks around bright stars), PSF contamination will be an issue when studying the underlying extended emission. We propose to provide the community with a PSF decomposition and spectral analysis package for high dynamic range JWST IFU observations allowing the user to create science-ready maps of relevant spectral features. Luminous quasars, with their bright central source (quasar) and extended emission (host galaxy), are excellent test cases for this software. Quasars are also of high scientific interest in their own right as they are widely considered to be the main driver in regulating massive galaxy growth. JWST will revolutionize our understanding of black hole-galaxy co-evolution by allowing us to probe the stellar, gas, and dust components of nearby and distant galaxies, spatially and spectrally. We propose to use the IFU capabilities of NIRSpec and MIRI to study the impact of three carefully selected luminous quasars on their hosts. Our program will provide (1) a scientific dataset of broad interest that will serve as a pathfinder for JWST science investigations in IFU mode and (2) a powerful new data analysis tool that will enable frontier science for a wide swath of astrophysical research.

NOI 137, PI: D. Wylezalek, Co-PI: S. Veilleux, N. Zakamska

OBSERVING DESCRIPTION

We will be observing three powerful quasars at $0.4 < z < 3$ using a combination of the NIRSpec and MIRI IFUs.

The following observing modes per object are:

F2M1106 -- acquisition: point & shoot for both NIRSpec and MIRI

- NIRSpec IFU with G235H/F170LP:

9-point "small cycling" dither pattern

15 groups and 1 integration per dither position

JWST Proposal 1335 (Created: Monday, November 7, 2022 at 2:01:47 PM Eastern Standard Time) - Overview

Readout mode: NRSIRS2RAPID

--> total exposure time on source: 35 min

1 leakage exposure at one dither position: 3.9 min

- NIRSpec IFU with G395H/F290LP:

9-point "small cycling" dither pattern

15 groups and 1 integration per dither position

Readout mode: NRSIRS2RAPID

--> total exposure time on source: 35 min

1 leakage exposure at one dither position: 3.9 min

- MIRI IFU with the SHORT, MEDIUM and LONG wavelength setting:

4-point dither pattern

11 groups and 1 integration per dither position

Readout mode: SLOWR1

1 background image slightly offset from target position for every spectral setting

XID2028 -- acquisition: point & shoot for both NIRSpec and MIRI

- NIRSpec IFU with G140H/F100LP:

9-point "small cycling" dither pattern

16 groups and 1 integration per dither position

Readout mode: NRSIRS2

--> total exposure time on source: 2.95 hours

1 leakage exposure at one dither position: 0.33 hours

- MIRI IFU with the SHORT wavelength setting:

4-point dither pattern

38 groups and 3 integrations per dither position

Readout mode: SLOWR1

1 background image slightly offset from target position for every spectral setting

SDSSJ1652 -- acquisition: point & shoot for both NIRSpec and MIRI

JWST Proposal 1335 (Created: Monday, November 7, 2022 at 2:01:47 PM Eastern Standard Time) - Overview

- NIRSpec IFU with G235H/F170LP:

9-point "small cycling" dither pattern

25 groups and 1 integration per dither position

Readout mode: NRSIRS2

--> total exposure time on source: 4.6 hours

1 leakage exposure at one dither position: 0.5 hours

- MIRI IFU with the SHORT wavelength setting:

4-point dither pattern

38 groups and 3 integrations per dither position

Readout mode: SLOWR1

1 background image slightly offset from target position for every spectral setting

Total request: 18.19 hours science time, 10.03 hours overheads

Proposal 1335 - Targets - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decompositio...

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	F2M1106-NIRSPEC	RA: 11 06 48.3200 (166.7013333d) Dec: +48 07 12.30 (48.12008d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>				
(2)	F2M1106-MIRI	RA: 11 06 48.3200 (166.7013333d) Dec: +48 07 12.30 (48.12008d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>				
(3)	F2M1106-BG	RA: 11 06 49.6200 (166.7067500d) Dec: +48 07 19.20 (48.12200d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i></p>				
(4)	XID2028-NIRSPEC	RA: 10 02 11.2700 (150.5469583d) Dec: +01 37 6.60 (1.61850d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>				
(5)	XID2028-MIRI	RA: 10 02 11.2700 (150.5469583d) Dec: +01 37 6.60 (1.61850d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>				
(6)	XID2028-BG	RA: 10 02 11.8344 (150.5493100d) Dec: +01 37 24.67 (1.62352d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i></p>				
(7)	SDSSJ1652-NIRSPEC	RA: 16 52 2.6448 (253.0110200d) Dec: +17 28 52.39 (17.48122d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>				

Fixed Targets

Proposal 1335 - Targets - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decompositio...

(8)	SDSSJ1652-MIRI	RA: 16 52 2.6448 (253.0110200d) Dec: +17 28 52.39 (17.48122d) Equinox: J2000
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, Emission line galaxies, Quasars]</i> <i>Extended=YES</i></p>		
(9)	SDSSJ1652-BG	RA: 16 52 2.6640 (253.0111000d) Dec: +17 28 53.98 (17.48166d) Equinox: J2000
<p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i></p>		

Proposal 1335 - Observation 1 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 1: NIRSpec_F2M1106 Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(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)	F2M1106-NIRSPEC	RA: 11 06 48.3200 (166.7013333d) Dec: +48 07 12.30 (48.12008d) Equinox: J2000									
Template	TA Method											
	VERIFY_ONLY											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	CYCLING		SMALL	1			9				
Pointing Verification	#	PV MSA Configuration	Filter	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Dithers	PV Total Integrations	PV Total Exposure Time			
	1	ALLCLOSED	F140X	NRSIRS2RAPID	2	1	1	1	43.767			
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	G235H/F170LP	NRSIRS2RAPID	15	1	false	true	NONE	9	9	2100.8	
	2	G235H/F170LP	NRSIRS2RAPID	15	1	true	false	NONE	1	1	233.422	
	3	G395H/F290LP	NRSIRS2RAPID	15	1	false	true	NONE	9	9	2100.8	
	4	G395H/F290LP	NRSIRS2RAPID	15	1	true	false	NONE	1	1	233.422	

Proposal 1335 - Observation 2 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 2: MIRI_F2M1106_all Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI_F2M1106_all_bg (Obs 11)]												
	(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)	F2M1106-MIRI	RA: 11 06 48.3200 (166.7013333d) Dec: +48 07 12.30 (48.12008d) Equinox: J2000										
Comments: Category=Galaxy Description=[Active galactic nuclei, Emission line galaxies, Quasars] Extended=YES													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging				Imager Subarray				
	F1000W	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/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	1	LONG(C)	MRSLONG		SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	1	LONG(C)	MRSSSHORT		SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	2		IMAGER	F770W	SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	2	MEDIUM(B)	MRSLONG		SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	2	MEDIUM(B)	MRSSSHORT		SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	3		IMAGER	F770W	SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	3	SHORT(A)	MRSLONG		SLOWR1	11	1	1	Dither 1	4	4	1051.156	
	3	SHORT(A)	MRSSSHORT		SLOWR1	11	1	1	Dither 1	4	4	1051.156	

Special Requirements

Sequence Observations 2, 11, Non-interruptible

Proposal 1335 - Observation 11 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Deco...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 11: MIRI_F2M1106_all_bg Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI_F2M1106_all (Obs 2)]												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(3)	F2M1106-BG	RA: 11 06 49.6200 (166.7067500d) Dec: +48 07 19.20 (48.12200d) Equinox: J2000										
Comments: Category=Unidentified Description=[Blank field]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F1000W	ALL			YES			FULL					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	SLOWR1	11	1	1	None	1	1	262.789	
	1	LONG(C)	MRSLONG		SLOWR1	11	1	1	None	1	1	262.789	
	1	LONG(C)	MRSSHORT		SLOWR1	11	1	1	None	1	1	262.789	
	2		IMAGER	F770W	SLOWR1	11	1	1	None	1	1	262.789	
	2	MEDIUM(B)	MRSLONG		SLOWR1	11	1	1	None	1	1	262.789	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	11	1	1	None	1	1	262.789	
	3		IMAGER	F770W	SLOWR1	11	1	1	None	1	1	262.789	
	3	SHORT(A)	MRSLONG		SLOWR1	11	1	1	None	1	1	262.789	
	3	SHORT(A)	MRSSHORT		SLOWR1	11	1	1	None	1	1	262.789	

Special Requirements

Sequence Observations 2, 11, Non-interruptible

Proposal 1335 - Observation 4 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 4: NIRSpec_XID2028 Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
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			
	(4)	XID2028-NIRSPEC	RA: 10 02 11.2700 (150.5469583d) Dec: +01 37 6.60 (1.61850d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Active galactic nuclei, Emission line galaxies, Quasars] Extended=YES											
Template	TA Method VERIFY_ONLY											
Dithers	#	Dither Type		Size	Starting Point		Number of Points		Points			
	1	CYCLING		SMALL	1		9					
Pointing Verification	#	PV MSA Configuration	Filter	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Dithers	PV Total Integrations	PV Total Exposure Time			
	1	ALLCLOSED	F140X	NRSIRS2RAPID	2	1	1	1	43.767			
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	G140H/F100LP	NRSIRS2	16	1	false	true	NONE	9	9	10635.301	
	2	G140H/F100LP	NRSIRS2	16	1	true	false	NONE	1	1	1181.7	

Proposal 1335 - Observation 5 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 5: MIRI_XID2028_short Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[MIRI_XID2028_short_bg (Obs 12)]												
Diagnostics	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(5)	XID2028-MIRI	RA: 10 02 11.2700 (150.5469583d) Dec: +01 37 6.60 (1.61850d) Equinox: J2000										
	Comments: Category=Galaxy Description=[Active galactic nuclei, Emission line galaxies, Quasars] Extended=YES												
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F1000W	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	SLOWR1	38	3	1	Dither 1	4	12	11084.923	
	1	SHORT(A)	MRSLONG		SLOWR1	38	3	1	Dither 1	4	12	11084.923	
	1	SHORT(A)	MRSSHORT		SLOWR1	38	3	1	Dither 1	4	12	11084.923	

Special Requirements

Sequence Observations 5, 12, Non-interruptible

Proposal 1335 - Observation 12 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Deco...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 12: MIRI_XID2028_short_bg Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI_XID2028_short (Obs 5)]												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(6)	XID2028-BG	RA: 10 02 11.8344 (150.5493100d) Dec: +01 37 24.67 (1.62352d) Equinox: J2000										
<i>Comments:</i> Category=Unidentified Description=[Blank field]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F1000W	ALL			YES			FULL					
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	SLOWR1	38	3	1	None	1	3	2771.231	
	1	SHORT(A)	MRSLONG		SLOWR1	38	3	1	None	1	3	2771.231	
	1	SHORT(A)	MRSSHORT		SLOWR1	38	3	1	None	1	3	2771.231	
Special Requirements	Sequence Observations 5, 12, Non-interruptible												

Proposal 1335 - Observation 8 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 8: NIRSpec_SDSSJ1652 Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
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			
	(7)	SDSSJ1652-NIRSPEC	RA: 16 52 2.6448 (253.0110200d) Dec: +17 28 52.39 (17.48122d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Active galactic nuclei, Emission line galaxies, Quasars] Extended=YES											
Template	TA Method VERIFY_ONLY											
Dithers	#	Dither Type		Size	Starting Point		Number of Points		Points			
	1	CYCLING		SMALL	1		9					
Pointing Verification	#	PV MSA Configuration	Filter	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Dithers	PV Total Integrations	PV Total Exposure Time			
	1	ALLCLOSED	F140X	NRSIRS2RAPID	2	1	1	1	43.767			
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	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	9	9	16543.801	
	2	G235H/F170LP	NRSIRS2	25	1	true	false	NONE	1	1	1838.2	

Proposal 1335 - Observation 9 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decom...

Mon Nov 07 19:01:47 GMT 2022

Observation	<p>Proposal 1335, Observation 9: MIRI_SDSSJ1652_short</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Medium Resolution Spectroscopy</p> <p>Background Observations:[MIRI_SDSSJ1652_short_bg (Obs 10)]</p>												
Diagnostics	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(8)	SDSSJ1652-MIRI	RA: 16 52 2.6448 (253.0110200d) Dec: +17 28 52.39 (17.48122d) Equinox: J2000										
	<p>Comments: Category=Galaxy Description=[Active galactic nuclei, Emission line galaxies, Quasars] Extended=YES</p>												
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/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F1000W	SLOWR1	38	3	1	Dither 1	4	12	11084.923	
	1	SHORT(A)	MRSLONG		SLOWR1	38	3	1	Dither 1	4	12	11084.923	
	1	SHORT(A)	MRSSHORT		SLOWR1	38	3	1	Dither 1	4	12	11084.923	

Special Requirements

Sequence Observations 9, 10, Non-interruptible

Proposal 1335 - Observation 10 - Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Deco...

Mon Nov 07 19:01:47 GMT 2022

Observation	Proposal 1335, Observation 10: MIRI_SDSSJ1652_short_bg Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [MIRI_SDSSJ1652_short (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				
	(9)	SDSSJ1652-BG	RA: 16 52 2.6640 (253.0111000d) Dec: +17 28 53.98 (17.48166d) Equinox: J2000										
Comments: Category=Unidentified Description=[Blank field]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray					
	F560W	ALL			YES			FULL					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F1000W	SLOWR1	38	3	1	None	1	3	2771.231	
	1	SHORT(A)	MRSLONG		SLOWR1	38	3	1	None	1	3	2771.231	
	1	SHORT(A)	MRSSHORT		SLOWR1	38	3	1	None	1	3	2771.231	
Special Requirements	Sequence Observations 9, 10, Non-interruptible												