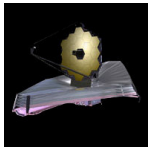

3886 - Probing carbon chemistry and dust in the planet-forming zones of brown dwarf disks

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	4	ISO-Oph 32	MIRI Medium Resolution Spectroscopy	(5) GY92-3
	5	GY92 141	MIRI Medium Resolution Spectroscopy	(6) OPH-2349.8-2601
	6	GY92 320	MIRI Medium Resolution Spectroscopy	(7) GY92-320
	16	J16085953	MIRI Medium Resolution Spectroscopy	(15) 2MASS-J16085953-3856275
	17	SST-Lup3-1	MIRI Medium Resolution Spectroscopy	(16) 2MASS-J16115979-3823383
	15	ISO-ChaI 138	MIRI Medium Resolution Spectroscopy	(17) ISO-CHAI-138
	13	J11095215	MIRI Medium Resolution Spectroscopy	(13) ISO-CHAI-217
	14	J11104141	MIRI Medium Resolution Spectroscopy	(14) ISO-CHAI-252
	18	CFHT-Tau 9	MIRI Medium Resolution Spectroscopy	(18) CFHT-BD-TAU-9
	19	J04201611	MIRI Medium Resolution Spectroscopy	(19) 2MASS-J04201611+2821325
	1	J15555600	MIRI Medium Resolution Spectroscopy	(1) DENIS-J155556.0-204518
	7	J15560104	MIRI Medium Resolution Spectroscopy	(2) USCOCTIO-113
	8	J15591135	MIRI Medium Resolution Spectroscopy	(8) USCOCTIO-128
	20	J15591135	MIRI Medium Resolution Spectroscopy	(8) USCOCTIO-128
	21	J15591135 - Repeat of Obs 20	MIRI Medium Resolution Spectroscopy	(8) USCOCTIO-128
	9	J16100541	MIRI Medium Resolution Spectroscopy	(9) DENIS-J161005.4-191936
	10	J16060391	MIRI Medium Resolution Spectroscopy	(10) DENIS-J160603.9-205644

ABSTRACT

Brown dwarfs (BDs) are faint, sub-stellar objects and are the link between stars and planets. Low-mass stars tend to have abundant terrestrial planets and the formation and evolution of BDs themselves may be a window into giant planet formation. In contrast to higher-mass disks, BD disks are optically thinner in the mid-infrared giving us access to the gas and dust composition closer to the disk midplane where planets are forming, making them unique objects to study. Spitzer-IRS spectra of BD disks showed generally weak silicate features indicative of dust settling and gas detections that point to a high carbon-to-oxygen (C/O) ratio. The high C/O ratio may be due to 1) oxygen locked up in ice in the outer disk, 2) a carbon-rich chemistry close to the midplane that is only observable in disks with settled dust, and/or 3) the destruction of carbonaceous grains. Any of these scenarios would have a profound impact on the composition of forming planets and JWST-MIRI MRS data are crucial for studying the gas and dust in the planet-forming zones, particularly in these faint targets. Cycle 1 observations are largely focused on higher-mass sources, leaving a need for observations of BDs. We propose to get high sensitivity (SNR>100) spectra for a large and representative sample of 15 low-mass targets to catalog the chemical inventory and study the connection between the gas and dust properties. These targets span a range of ages and, based on low-resolution

IRS data, show diversity in silicate feature strength and shape, indicating large variations in the dust properties. We will be able to put these systems into context with higher-mass stars that are observed in larger numbers.

OBSERVING DESCRIPTION

We request MIRI MRS observations for 15 disks in five star-forming regions. The targets are: ISO-Oph 32, GY92 141, GY92 320, J16085953-3856275, SST-Lup3-1, ISO-ChaI 138, J11095215–7639128, J11104141–7720480, J04242646+2649503, J04201611+2821325, J15555600–2045187, J15560104–2338081, J15591135–2338002, J16100541–1919362, and J16060391–2056443. For each observation we start with Target Acquisition to minimize fringe effects which can reduce the data quality. We aim for complete wavelength coverage and therefore use all three grating settings (Short, Medium, and Long). Our exposure times are determined such that we achieve a signal-to-noise ratio of 100 or above in the 1C to 3C range (6.5 to 18 micron) where the main features needed for our science occur. We take simultaneous imaging in the F770W filter to maximize the output of the program without significantly increasing the overall time, except in the observations where simultaneous imaging will put the observations over the data excess threshold. We use a 4-point dither pattern for our unresolved sources.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	DENIS-J155556.0-204518	RA: 15 55 56.0041 (238.9833504d) Dec: -20 45 18.80 (-20.75522d) Equinox: J2000	Proper Motion RA: -13.642 mas/yr Proper Motion Dec: -22.475 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(2)	USCOCTIO-113	RA: 15 56 1.0407 (239.0043362d) Dec: -23 38 8.14 (-23.63559d) Equinox: J2000	Proper Motion RA: -18.694 mas/yr Proper Motion Dec: -26.983 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(5)	GY92-3	RA: 16 26 21.9078 (246.5912825d) Dec: -24 44 39.70 (-24.74436d) Equinox: J2000	Proper Motion RA: -7.806 mas/yr Proper Motion Dec: -26.632 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(6)	OPH-2349.8-2601	RA: 16 26 51.2925 (246.7137187d) Dec: -24 32 42.00 (-24.54500d) Equinox: J2000	Proper Motion RA: -9.040 mas/yr Proper Motion Dec: -25.130 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(7)	GY92-320	RA: 16 27 40.8467 (246.9201946d) Dec: -24 29 0.79 (-24.48355d) Equinox: J2000	Proper Motion RA: -8.070 mas/yr Proper Motion Dec: -26.089 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(8)	USCOCTIO-128	RA: 15 59 11.3537 (239.7973071d) Dec: -23 38 0.36 (-23.63343d) Equinox: J2000	Proper Motion RA: -13.488 mas/yr Proper Motion Dec: -25.655 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				
(9)	DENIS-J161005.4-191936	RA: 16 10 5.4131 (242.5225546d) Dec: -19 19 36.07 (-19.32669d) Equinox: J2000	Proper Motion RA: -7.959 mas/yr Proper Motion Dec: -24.498 mas/yr Epoch of Position: 2016.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]* *Extended=NO*				

(10)	DENIS-J160603.9-205644	RA: 16 06 3.9170 (241.5163208d)	Proper Motion RA: -11.825 mas/yr
		Dec: -20 56 44.44 (-20.94568d)	Proper Motion Dec: -22.145 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(13)	ISO-CHAI-217	RA: 11 09 52.1373 (167.4672388d)	Proper Motion RA: -21.592 mas/yr
		Dec: -76 39 12.88 (-76.65358d)	Proper Motion Dec: -0.683 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(14)	ISO-CHAI-252	RA: 11 10 41.3874 (167.6724475d)	Proper Motion RA: -22.417 mas/yr
		Dec: -77 20 47.96 (-77.34666d)	Proper Motion Dec: 0.387 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(15)	2MASS-J16085953-3856275	RA: 16 08 59.5396 (242.2480817d)	Proper Motion RA: -10.000 mas/yr
		Dec: -38 56 27.59 (-38.94100d)	Proper Motion Dec: -23.756 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(16)	2MASS-J16115979-3823383	RA: 16 11 59.7947 (242.9991446d)	Proper Motion RA: -8.784 mas/yr
		Dec: -38 23 38.37 (-38.39399d)	Proper Motion Dec: -22.763 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(17)	ISO-CHAI-138	RA: 11 08 18.4692 (167.0769550d)	Proper Motion RA: -25.065 mas/yr
		Dec: -77 30 40.89 (-77.51136d)	Proper Motion Dec: 1.025 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

(18)	CFHT-BD-TAU-9	RA: 04 24 26.4615 (66.1102562d)	Proper Motion RA: 11.380 mas/yr
		Dec: +26 49 50.25 (26.83063d)	Proper Motion Dec: -17.638 mas/yr
		Equinox: J2000	Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

	(19)	2MASS-J04201611+2821325	RA: 04 20 16.1148 (65.0671450d) Dec: +28 21 32.52 (28.35903d) Equinox: J2000	Proper Motion RA: 8.572 mas/yr Proper Motion Dec: -25.240 mas/yr Epoch of Position: 2016.0

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Observation

Proposal 3886, Observation 4: ISO-Oph 32

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution 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
(5)	GY92-3	RA: 16 26 21.9078 (246.5912825d)	Proper Motion RA: -7.806 mas/yr	
		Dec: -24 44 39.70 (-24.74436d)	Proper Motion Dec: -26.632 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	10	1	1	27.75	145782

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	11	2	1	Dither 1	4	8	255.304	145782
1	SHORT(A)	MRSLONG		FASTR1	19	2	1	Dither 1	4	8	432.906	145782
1	SHORT(A)	MRSSHORT		FASTR1	19	2	1	Dither 1	4	8	432.906	145782
2		IMAGER	F770W	FASTR1	11	2	1	Dither 1	4	8	255.304	145782
2	MEDIUM(B)	MRSLONG		FASTR1	16	2	1	Dither 1	4	8	366.305	145782
2	MEDIUM(B)	MRSSHORT		FASTR1	16	2	1	Dither 1	4	8	366.305	145782
3		IMAGER	F770W	FASTR1	11	2	1	Dither 1	4	8	255.304	145782
3	LONG(C)	MRSLONG		FASTR1	20	2	1	Dither 1	4	8	455.107	145782
3	LONG(C)	MRSSHORT		FASTR1	20	2	1	Dither 1	4	8	455.107	145782

Observation

Proposal 3886, Observation 5: GY92 141

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 5:1) Warning (Form): Data Excess over lower threshold

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	OPH-2349.8-2601	RA: 16 26 51.2925 (246.7137187d)	Proper Motion RA: -9.040 mas/yr	
		Dec: -24 32 42.00 (-24.54500d)	Proper Motion Dec: -25.130 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1000W	FAST	4	1	1	11.1	145783

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	180	2	1	Dither 1	4	8	4007.158	145783
1	SHORT(A)	MRSSHORT		FASTR1	180	2	1	Dither 1	4	8	4007.158	145783
2	MEDIUM(B)	MRSLONG		FASTR1	110	2	1	Dither 1	4	8	2453.135	145783
2	MEDIUM(B)	MRSSHORT		FASTR1	110	2	1	Dither 1	4	8	2453.135	145783
3	LONG(C)	MRSLONG		FASTR1	190	2	1	Dither 1	4	8	4229.161	145783
3	LONG(C)	MRSSHORT		FASTR1	190	2	1	Dither 1	4	8	4229.161	145783

Observation

Proposal 3886, Observation 6: GY92 320

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	GY92-320	RA: 16 27 40.8467 (246.9201946d)	Proper Motion RA: -8.070 mas/yr	
		Dec: -24 29 0.79 (-24.48355d)	Proper Motion Dec: -26.089 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1000W	FAST	4	1	1	11.1	145983

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	126	2	1	Dither 1	4	8	2808.34	145983
1	SHORT(A)	MRSSHORT		FASTR1	126	2	1	Dither 1	4	8	2808.34	145983
2	MEDIUM(B)	MRSLONG		FASTR1	104	2	1	Dither 1	4	8	2319.933	145983
2	MEDIUM(B)	MRSSHORT		FASTR1	104	2	1	Dither 1	4	8	2319.933	145983
3	LONG(C)	MRSLONG		FASTR1	123	2	1	Dither 1	4	8	2741.74	145983
3	LONG(C)	MRSSHORT		FASTR1	123	2	1	Dither 1	4	8	2741.74	145983

Observation

Proposal 3886, Observation 16: J16085953 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	2MASS-J16085953-3856275	RA: 16 08 59.5396 (242.2480817d)	Proper Motion RA: -10.000 mas/yr	
		Dec: -38 56 27.59 (-38.94100d)	Proper Motion Dec: -23.756 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1000W	FAST	4	1	1	11.1	147214

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	LONG(C)	MRSLONG		FASTR1	69	2	1	Dither 1	4	8	1542.922	147214
1	LONG(C)	MRSSHORT		FASTR1	69	2	1	Dither 1	4	8	1542.922	147214
2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	147214
2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	147214
3	SHORT(A)	MRSLONG		FASTR1	68	2	1	Dither 1	4	8	1520.722	147214
3	SHORT(A)	MRSSHORT		FASTR1	68	2	1	Dither 1	4	8	1520.722	147214

Observation

Proposal 3886, Observation 17: SST-Lup3-1 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	2MASS-J16115979-3823383	RA: 16 11 59.7947 (242.9991446d)	Proper Motion RA: -8.784 mas/yr	
		Dec: -38 23 38.37 (-38.39399d)	Proper Motion Dec: -22.763 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	10	1	1	27.75	147219

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	5	10	1	Dither 1	4	40	654.909	147219
1	SHORT(A)	MRSLONG		FASTR1	31	2	1	Dither 1	4	8	699.31	147219
1	SHORT(A)	MRSSHORT		FASTR1	31	2	1	Dither 1	4	8	699.31	147219
2		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	147219
2	MEDIUM(B)	MRSLONG		FASTR1	29	2	1	Dither 1	4	8	654.909	147219
2	MEDIUM(B)	MRSSHORT		FASTR1	29	2	1	Dither 1	4	8	654.909	147219
3		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	147219
3	LONG(C)	MRSLONG		FASTR1	32	2	1	Dither 1	4	8	721.51	147219
3	LONG(C)	MRSSHORT		FASTR1	32	2	1	Dither 1	4	8	721.51	147219

Observation

Proposal 3886, Observation 15: ISO-ChaI 138

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	ISO-CHAI-138	RA: 11 08 18.4692 (167.0769550d)	Proper Motion RA: -25.065 mas/yr	
		Dec: -77 30 40.89 (-77.51136d)	Proper Motion Dec: 1.025 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	147223

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	103	2	1	Dither 1	4	8	2297.733	147223
1	SHORT(A)	MRSSHORT		FASTR1	103	2	1	Dither 1	4	8	2297.733	147223
2	MEDIUM(B)	MRSLONG		FASTR1	92	2	1	Dither 1	4	8	2053.53	147223
2	MEDIUM(B)	MRSSHORT		FASTR1	92	2	1	Dither 1	4	8	2053.53	147223
3	LONG(C)	MRSLONG		FASTR1	107	2	1	Dither 1	4	8	2386.534	147223
3	LONG(C)	MRSSHORT		FASTR1	107	2	1	Dither 1	4	8	2386.534	147223

Observation

Proposal 3886, Observation 13: J11095215

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	ISO-CHAI-217	RA: 11 09 52.1373 (167.4672388d)	Proper Motion RA: -21.592 mas/yr	
		Dec: -76 39 12.88 (-76.65358d)	Proper Motion Dec: -0.683 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	10	1	1	27.75	146736

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	5	9	1	Dither 1	4	36	588.308	146736
1	SHORT(A)	MRSLONG		FASTR1	29	2	1	Dither 1	4	8	654.909	146736
1	SHORT(A)	MRSSHORT		FASTR1	29	2	1	Dither 1	4	8	654.909	146736
2		IMAGER	F770W	FASTR1	5	9	1	Dither 1	4	36	588.308	146736
2	MEDIUM(B)	MRSLONG		FASTR1	27	2	1	Dither 1	4	8	610.509	146736
2	MEDIUM(B)	MRSSHORT		FASTR1	27	2	1	Dither 1	4	8	610.509	146736
3		IMAGER	F770W	FASTR1	5	9	1	Dither 1	4	36	588.308	146736
3	LONG(C)	MRSLONG		FASTR1	29	2	1	Dither 1	4	8	654.909	146736
3	LONG(C)	MRSSHORT		FASTR1	29	2	1	Dither 1	4	8	654.909	146736

Observation

Proposal 3886, Observation 14: J11104141

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	ISO-CHAI-252	RA: 11 10 41.3874 (167.6724475d)	Proper Motion RA: -22.417 mas/yr	
		Dec: -77 20 47.96 (-77.34666d)	Proper Motion Dec: 0.387 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FAST	4	1	1	11.1	146746

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	5	10	1	Dither 1	4	40	654.909	146746
1	SHORT(A)	MRSLONG		FASTR1	42	2	1	Dither 1	4	8	943.514	146746
1	SHORT(A)	MRSSHORT		FASTR1	42	2	1	Dither 1	4	8	943.514	146746
2		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	146746
2	MEDIUM(B)	MRSLONG		FASTR1	40	2	1	Dither 1	4	8	899.113	146746
2	MEDIUM(B)	MRSSHORT		FASTR1	40	2	1	Dither 1	4	8	899.113	146746
3		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	146746
3	LONG(C)	MRSLONG		FASTR1	43	2	1	Dither 1	4	8	965.714	146746
3	LONG(C)	MRSSHORT		FASTR1	43	2	1	Dither 1	4	8	965.714	146746

Observation

Proposal 3886, Observation 18: CFHT-Tau 9

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	CFHT-BD-TAU-9	RA: 04 24 26.4615 (66.1102562d)	Proper Motion RA: 11.380 mas/yr	
		Dec: +26 49 50.25 (26.83063d)	Proper Motion Dec: -17.638 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FAST	4	1	1	11.1	147225

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	5	10	1	Dither 1	4	40	654.909	147225
1	SHORT(A)	MRSLONG		FASTR1	44	2	1	Dither 1	4	8	987.914	147225
1	SHORT(A)	MRSSHORT		FASTR1	44	2	1	Dither 1	4	8	987.914	147225
2		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	147225
2	MEDIUM(B)	MRSLONG		FASTR1	40	2	1	Dither 1	4	8	899.113	147225
2	MEDIUM(B)	MRSSHORT		FASTR1	40	2	1	Dither 1	4	8	899.113	147225
3		IMAGER	F770W	FASTR1	5	10	1	Dither 1	4	40	654.909	147225
3	LONG(C)	MRSLONG		FASTR1	44	2	1	Dither 1	4	8	987.914	147225
3	LONG(C)	MRSSHORT		FASTR1	44	2	1	Dither 1	4	8	987.914	147225

Observation

Proposal 3886, Observation 19: J04201611 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	2MASS-J04201611+2821325	RA: 04 20 16.1148 (65.0671450d)	Proper Motion RA: 8.572 mas/yr	
		Dec: +28 21 32.52 (28.35903d)	Proper Motion Dec: -25.240 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	147230

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	74	2	1	Dither 1	4	8	1653.924	147230
1	SHORT(A)	MRSSHORT		FASTR1	74	2	1	Dither 1	4	8	1653.924	147230
2	MEDIUM(B)	MRSLONG		FASTR1	76	2	1	Dither 1	4	8	1698.324	147230
2	MEDIUM(B)	MRSSHORT		FASTR1	76	2	1	Dither 1	4	8	1698.324	147230
3	LONG(C)	MRSLONG		FASTR1	77	2	1	Dither 1	4	8	1720.525	147230
3	LONG(C)	MRSSHORT		FASTR1	77	2	1	Dither 1	4	8	1720.525	147230

Observation

Proposal 3886, Observation 1: J15555600

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	DENIS-J155556.0-204518	RA: 15 55 56.0041 (238.9833504d)	Proper Motion RA: -13.642 mas/yr	
		Dec: -20 45 18.80 (-20.75522d)	Proper Motion Dec: -22.475 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	1 DENIS-J155556.0-204518	F1000W	FAST	4	1	1	11.1	145989

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	FASTR1	11	7	1	Dither 1	4	28	921.313	145787
1	LONG(C)	MRSLONG		FASTR1	65	2	1	Dither 1	4	8	1454.121	145989
1	LONG(C)	MRSSHORT		FASTR1	65	2	1	Dither 1	4	8	1454.121	145989
2		IMAGER	F770W	FASTR1	11	7	1	Dither 1	4	28	921.313	145787
2	MEDIUM(B)	MRSLONG		FASTR1	65	2	1	Dither 1	4	8	1454.121	145989
2	MEDIUM(B)	MRSSHORT		FASTR1	65	2	1	Dither 1	4	8	1454.121	145989
3		IMAGER	F770W	FASTR1	11	7	1	Dither 1	4	28	921.313	145787
3	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	145989
3	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	145989

Observation

Proposal 3886, Observation 7: J15560104 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

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
(2)	USCOCTIO-113	RA: 15 56 1.0407 (239.0043362d)	Proper Motion RA: -18.694 mas/yr	
		Dec: -23 38 8.14 (-23.63559d)	Proper Motion Dec: -26.983 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	145995

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	LONG(C)	MRSLONG		FASTR1	92	2	1	Dither 1	4	8	2053.53	145995
1	LONG(C)	MRSSHORT		FASTR1	92	2	1	Dither 1	4	8	2053.53	145995
2	MEDIUM(B)	MRSLONG		FASTR1	93	2	1	Dither 1	4	8	2075.73	145995
2	MEDIUM(B)	MRSSHORT		FASTR1	93	2	1	Dither 1	4	8	2075.73	145995
3	SHORT(A)	MRSLONG		FASTR1	96	2	1	Dither 1	4	8	2142.331	145995
3	SHORT(A)	MRSSHORT		FASTR1	96	2	1	Dither 1	4	8	2142.331	145995

Observation

Proposal 3886, Observation 8: J15591135

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 8:1) Warning (Form): Data Excess over lower threshold

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	USCOCTIO-128	RA: 15 59 11.3537 (239.7973071d)	Proper Motion RA: -13.488 mas/yr	
		Dec: -23 38 0.36 (-23.63343d)	Proper Motion Dec: -25.655 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	146002

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	LONG(C)	MRSLONG		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002
1	LONG(C)	MRSSHORT		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002
2	MEDIUM(B)	MRSLONG		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
2	MEDIUM(B)	MRSSHORT		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
3	SHORT(A)	MRSLONG		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002
3	SHORT(A)	MRSSHORT		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002

Observation

Proposal 3886, Observation 20: J15591135

Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 20:1) Warning (Form): Data Excess over lower threshold

(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	USCOCTIO-128	RA: 15 59 11.3537 (239.7973071d)	Proper Motion RA: -13.488 mas/yr	
		Dec: -23 38 0.36 (-23.63343d)	Proper Motion Dec: -25.655 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	146002

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002
1	SHORT(A)	MRSSHORT		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002
2	MEDIUM(B)	MRSLONG		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
2	MEDIUM(B)	MRSSHORT		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
3	LONG(C)	MRSLONG		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002
3	LONG(C)	MRSSHORT		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002

Observation

Proposal 3886, Observation 21: J15591135 - Repeat of Obs 20 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 21:1) Warning (Form): Data Excess over lower threshold

(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 21:1) Informational (Form): Visit schedulable, but most scheduling windows are when JWST is pointed in direction of greatest micrometeoroid impact risk. This is likely due to scheduling special requirements.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	USCOCTIO-128	RA: 15 59 11.3537 (239.7973071d)	Proper Motion RA: -13.488 mas/yr	
		Dec: -23 38 0.36 (-23.63343d)	Proper Motion Dec: -25.655 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	146002

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002
1	SHORT(A)	MRSSHORT		FASTR1	138	2	1	Dither 1	4	8	3074.744	146002
2	MEDIUM(B)	MRSLONG		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
2	MEDIUM(B)	MRSSHORT		FASTR1	136	2	1	Dither 1	4	8	3030.344	146002
3	LONG(C)	MRSLONG		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002
3	LONG(C)	MRSSHORT		FASTR1	128	2	1	Dither 1	4	8	2852.741	146002

Special Requirements	Aperture PA Range 282.572745 to 282.572745 Degrees (V3 282.572745 to 282.572745)

Observation

Proposal 3886, Observation 9: J16100541 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 9:1) Warning (Form): Data Excess over lower threshold

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	DENIS-J161005.4-191936	RA: 16 10 5.4131 (242.5225546d)	Proper Motion RA: -7.959 mas/yr	
		Dec: -19 19 36.07 (-19.32669d)	Proper Motion Dec: -24.498 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	146007

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	108	2	1	Dither 1	4	8	2408.735	146007
1	SHORT(A)	MRSSHORT		FASTR1	108	2	1	Dither 1	4	8	2408.735	146007
2	MEDIUM(B)	MRSLONG		FASTR1	130	2	1	Dither 1	4	8	2897.142	146007
2	MEDIUM(B)	MRSSHORT		FASTR1	130	2	1	Dither 1	4	8	2897.142	146007
3	LONG(C)	MRSLONG		FASTR1	156	2	1	Dither 1	4	8	3474.35	146007
3	LONG(C)	MRSSHORT		FASTR1	156	2	1	Dither 1	4	8	3474.35	146007

Observation

Proposal 3886, Observation 10: J16060391 Thu Jan 09 14:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	DENIS-J160603.9-205644	RA: 16 06 3.9170 (241.5163208d)	Proper Motion RA: -11.825 mas/yr	
		Dec: -20 56 44.44 (-20.94568d)	Proper Motion Dec: -22.145 mas/yr	
		Equinox: J2000	Epoch of Position: 2016.0	

Comments:
Category=Star
Description=[Brown dwarfs, Circumstellar disks, M stars, Pre-main sequence stars, Protoplanetary disks]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	4	1	1	11.1	145793

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT 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	SHORT(A)	MRSLONG		FASTR1	79	2	1	Dither 1	4	8	1764.925	145793
1	SHORT(A)	MRSSHORT		FASTR1	79	2	1	Dither 1	4	8	1764.925	145793
2	MEDIUM(B)	MRSLONG		FASTR1	74	2	1	Dither 1	4	8	1653.924	145793
2	MEDIUM(B)	MRSSHORT		FASTR1	74	2	1	Dither 1	4	8	1653.924	145793
3	LONG(C)	MRSLONG		FASTR1	76	2	1	Dither 1	4	8	1698.324	145793
3	LONG(C)	MRSSHORT		FASTR1	76	2	1	Dither 1	4	8	1698.324	145793