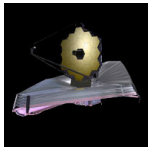

4583 - Exploring planetary nurseries around free-floating planetary mass objects

Cycle: 3, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
MIRI				
	1	MIRI, target 1	MIRI Low Resolution Spectroscopy	(1) UGC0417+2832
	2	MIRI, target 2	MIRI Low Resolution Spectroscopy	(2) UGC0422+2655
	3	MIRI, target 3	MIRI Low Resolution Spectroscopy	(3) UGC0439+2642
	8	MIRI, target 4	MIRI Low Resolution Spectroscopy	(4) UGC0433+2251
	7	MIRI, target 5	MIRI Low Resolution Spectroscopy	(5) UHWJ247.95-24.78
	12	MIRI, target 7	MIRI Low Resolution Spectroscopy	(7) CHA1110-7721
	13	MIRI, target 8	MIRI Low Resolution Spectroscopy	(8) CHA1110-7633
	14	MIRI, target 9	MIRI Low Resolution Spectroscopy	(9) CHA1107-7626
NIRSPEC				
	4	NIRSPEC, target 1	NIRSpec Fixed Slit Spectroscopy	(1) UGC0417+2832
	5	NIRSPEC, target 2	NIRSpec Fixed Slit Spectroscopy	(2) UGC0422+2655
	6	NIRSPEC, target 3	NIRSpec Fixed Slit Spectroscopy	(3) UGC0439+2642

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	10	NIRSPEC, target 4	NIRSpec Fixed Slit Spectroscopy	(4) UGC0433+2251
	9	NIRSPEC, target 5	NIRSpec Fixed Slit Spectroscopy	(5) UHWJ247.95-24.78
	16	NIRSPEC, target 7	NIRSpec Fixed Slit Spectroscopy	(7) CHA1110-7721
	17	NIRSPEC, target 8	NIRSpec Fixed Slit Spectroscopy	(8) CHA1110-7633
	18	NIRSPEC, target 9	NIRSpec Fixed Slit Spectroscopy	(9) CHA1107-7626

ABSTRACT

Deep surveys in star-forming regions have discovered free-floating planetary-mass objects (FFPMOs), with masses comparable to those of giant exoplanets. It is not yet clear whether such objects form like stars, through core collapse, or represent ejected planets assembled initially in circumstellar disks. Neither is it known whether FFPMOs could harbor their own miniature planetary systems. Here we propose a reconnaissance survey of eight of the lowest-mass objects known with robust evidence of infrared excess emission due to a disk, using NIRSPEC-PRISM and MIRI-LRS, to address these questions. In particular, we plan to characterize FFPMO disks by (1) deriving the dust geometry from the 3-12micron SED slope; (2) determining the degree of dust processing from the 10micron silicate feature; and (3) characterising the central sources from the 1-3micron spectrum. Taken together, these three tests will probe the potential for planet formation in disks surrounding the lowest mass free-floating objects hitherto explored, eliciting comparisons to the Jovian system, and also inform the discussion about the formation of FFPMOs themselves.

OBSERVING DESCRIPTION

We have defined a sample of 8 free-floating planetary mass objects, all with estimated masses of 5-10 Mjup and ages of 1-2 Myr. From our analysis, all show evidence for mid-infrared excess emission at 3-8 microns due to a disk. With our proposal, we want to characterise these disks and look for signs of ongoing planet formation. Specifically, we plan to obtain a full low-resolution spectrum from 1 to 14 microns, using NIRSPEC/PRISM (1-5 micron) and MIRI/LRS (5-14 micron). The observations are desgined to yield a signal to noise ratio of >10 across the entire wavelength range. The domain from 1 to 14 microns includes a) the wavelengths where the excess kicks in (3-5micron), b) the critical silicate feature at 8-12 microns, and c) the JHK bands useful for the characterisation of the central objects.

With NIRSPEC, we plan to take a spectrum in PRISM mode for each of our targets, achieving a signal to noise of at least 40 across the wavelength range 1-5 micron. This requires about 10 min of on-source time for all our targets, which we will split in 4 dither positions, 3 integrations per dither, and 3 groups per integration. We follow the standard recommendations for this observing mode and link to the relevant ETC calculation.

With MIRI we want to take a spectrum in LRS mode for each of our targets, achieving a signal to noise of at least 10 up to a wavelength of 13

microns, plus flux estimates at 13-14 microns through binning. For our goals, we require 60 min on-source time, split in 2 dither positions, 8 integrations per dither, and 80 groups per integration. Again we follow standard recipes for this observing mode.

Combining the NIRSPEC and MIRI spectra, we will acquire a full 1-14 micron spectrum for all our targets. This will be used to calculate spectral slopes, characterise the silicate feature, and look for dips in the SED, all indications of the onset or the progression of planet formation.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	UGC0417+2832	RA: 04 17 57.9720 (64.4915500d) Dec: +28 32 33.94 (28.54276d) Equinox: J2000	Proper Motion RA: 7.0 mas/yr Proper Motion Dec: -25.0 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]* *Extended=NO*				
(2)	UGC0422+2655	RA: 04 22 1.3608 (65.5056700d) Dec: +26 55 12.18 (26.92005d) Equinox: J2000	Proper Motion RA: 10.1 mas/yr Proper Motion Dec: -17.9 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]* *Extended=NO*				
(3)	UGC0439+2642	RA: 04 39 7.7568 (69.7823200d) Dec: +26 42 36.04 (26.71001d) Equinox: J2000	Proper Motion RA: 7.0 mas/yr Proper Motion Dec: -23.0 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]* *Extended=NO*				
(4)	UGC0433+2251	RA: 04 33 54.0720 (68.4753000d) Dec: +22 51 19.19 (22.85533d) Equinox: J2000	Proper Motion RA: 8.2 mas/yr Proper Motion Dec: -13.3 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]*				
(5)	UHWJ247.95-24.78	RA: 16 31 49.0248 (247.9542700d) Dec: -24 46 50.16 (-24.78060d) Equinox: J2000	Proper Motion RA: -2.0 mas/yr Proper Motion Dec: -16.0 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]*				
(7)	CHA1110-7721	RA: 11 10 50.0400 (167.7085000d) Dec: -77 21 53.50 (-77.36486d) Equinox: J2000	Proper Motion RA: -19.0 mas/yr Proper Motion Dec: 1.2 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]*				
(8)	CHA1110-7633	RA: 11 10 41.8296 (167.6742900d) Dec: -76 33 6.41 (-76.55178d) Equinox: J2000	Proper Motion RA: -14.2 mas/yr Proper Motion Dec: -2.5 mas/yr Epoch of Position: 2000.0	
Comments: *Category=Star* *Description=[Brown dwarfs, Exoplanets, Young stellar objects]*				

	(9)	CHA1107-7626	RA: 11 07 7.6800 (166.7820000d) Dec: -76 26 32.60 (-76.44239d) Equinox: J2000	Proper Motion RA: -13.8 mas/yr Proper Motion Dec: -0.4 mas/yr Epoch of Position: 2000.0

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Observation

Proposal 4583, Observation 1: MIRI, target 1

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low 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)	UGC0417+2832	RA: 04 17 57.9720 (64.4915500d)	Proper Motion RA: 7.0 mas/yr	
		Dec: +28 32 33.94 (28.54276d)	Proper Motion Dec: -25.0 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 2: MIRI, target 2

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	UGC0422+2655	RA: 04 22 1.3608 (65.5056700d)	Proper Motion RA: 10.1 mas/yr	
		Dec: +26 55 12.18 (26.92005d)	Proper Motion Dec: -17.9 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 3: MIRI, target 3

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

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
(3)	UGC0439+2642	RA: 04 39 7.7568 (69.7823200d)	Proper Motion RA: 7.0 mas/yr	
		Dec: +26 42 36.04 (26.71001d)	Proper Motion Dec: -23.0 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 8: MIRI, target 4

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution 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
(4)	UGC0433+2251	RA: 04 33 54.0720 (68.4753000d)	Proper Motion RA: 8.2 mas/yr	
		Dec: +22 51 19.19 (22.85533d)	Proper Motion Dec: -13.3 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 7: MIRI, target 5

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low 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
(5)	UHWJ247.95-24.78	RA: 16 31 49.0248 (247.9542700d)	Proper Motion RA: -2.0 mas/yr	
		Dec: -24 46 50.16 (-24.78060d)	Proper Motion Dec: -16.0 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 12: MIRI, target 7

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	CHA1110-7721	RA: 11 10 50.0400 (167.7085000d)	Proper Motion RA: -19.0 mas/yr	
		Dec: -77 21 53.50 (-77.36486d)	Proper Motion Dec: 1.2 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 13: MIRI, target 8

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low 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
(8)	CHA1110-7633	RA: 11 10 41.8296 (167.6742900d)	Proper Motion RA: -14.2 mas/yr	
		Dec: -76 33 6.41 (-76.55178d)	Proper Motion Dec: -2.5 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 14: MIRI, target 9

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low 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
(9)	CHA1107-7626	RA: 11 07 7.6800 (166.7820000d)	Proper Motion RA: -13.8 mas/yr	
		Dec: -76 26 32.60 (-76.44239d)	Proper Motion Dec: -0.4 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	10	1	1	27.75	164501

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	10	1	1	1	1	27.75		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	80	8	16	1	2	3590.902	164501

Observation

Proposal 4583, Observation 4: NIRSPEC, target 1

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(1)	UGC0417+2832	RA: 04 17 57.9720 (64.4915500d)	Proper Motion RA: 7.0 mas/yr	
		Dec: +28 32 33.94 (28.54276d)	Proper Motion Dec: -25.0 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB2048	F140X	NRSRAPID	3	1	1	3.628	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 5: NIRSPEC, target 2

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(2)	UGC0422+2655	RA: 04 22 1.3608 (65.5056700d)	Proper Motion RA: 10.1 mas/yr	
		Dec: +26 55 12.18 (26.92005d)	Proper Motion Dec: -17.9 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 6: NIRSPEC, target 3

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(3)	UGC0439+2642	RA: 04 39 7.7568 (69.7823200d)	Proper Motion RA: 7.0 mas/yr	
		Dec: +26 42 36.04 (26.71001d)	Proper Motion Dec: -23.0 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 10: NIRSPEC, target 4

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(4)	UGC0433+2251	RA: 04 33 54.0720 (68.4753000d)	Proper Motion RA: 8.2 mas/yr	
		Dec: +22 51 19.19 (22.85533d)	Proper Motion Dec: -13.3 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 9: NIRSPEC, target 5

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(5)	UHWJ247.95-24.78	RA: 16 31 49.0248 (247.9542700d) Dec: -24 46 50.16 (-24.78060d) Equinox: J2000	Proper Motion RA: -2.0 mas/yr Proper Motion Dec: -16.0 mas/yr Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 16: NIRSPEC, target 7

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(7)	CHA1110-7721	RA: 11 10 50.0400 (167.7085000d)	Proper Motion RA: -19.0 mas/yr	
		Dec: -77 21 53.50 (-77.36486d)	Proper Motion Dec: 1.2 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB2048	F140X	NRSRAPID	3	1	1	3.628	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 17: NIRSPEC, target 8

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(8)	CHA1110-7633	RA: 11 10 41.8296 (167.6742900d)	Proper Motion RA: -14.2 mas/yr	
		Dec: -76 33 6.41 (-76.55178d)	Proper Motion Dec: -2.5 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501

Observation

Proposal 4583, Observation 18: NIRSPEC, target 9

Tue Aug 06 15:00:47 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(9)	CHA1107-7626	RA: 11 07 7.6800 (166.7820000d)	Proper Motion RA: -13.8 mas/yr	
		Dec: -76 26 32.60 (-76.44239d)	Proper Motion Dec: -0.4 mas/yr	
		Equinox: J2000	Epoch of Position: 2000.0	

Comments:
Category=Star
Description=[Brown dwarfs, Exoplanets, Young stellar objects]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F140X	NRSRAPIDD6	3	1	1	0.26	164501

Template

Slit	Subarray
S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSIRS2RAPID	4	3	1	NONE	3	9	656.5	164501