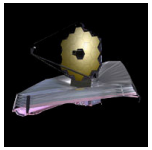

4290 - Dust Settling and Grain Evolution across the Nearby Population of Edge-on Protoplanetary Disks

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Aur 043027				
	1	Aur 043027- NIRCAM	NIRCam Imaging	(1) 2MASS-J04302705+3545505
	2	Aur 043027 - MIRI	MIRI Imaging	(1) 2MASS-J04302705+3545505
ESO Ha 569				
	3	ESO Ha 569 - NIRCAM	NIRCam Imaging	(2) ESO-HA-569
	4	ESO Ha 569 - MIRI	MIRI Imaging	(2) ESO-HA-569
ESO Ha 574				

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	5	ESO Ha 574 - NIRCAM	NIRCam Imaging	(3) ESO-HA-574
	6	ESO Ha 574 - MIRI	MIRI Imaging	(3) ESO-HA-574
Lup 160703				
	7	Lup 160703 - NIRCAM	NIRCam Imaging	(4) 2MASS-J16070384-3911113
	8	Lup 160703 - MIRI	MIRI Imaging	(4) 2MASS-J16070384-3911113
Oph 163136				
	9	Oph 163136 - NIRCAM	NIRCam Imaging	(5) 2MASS-J16313679-2404200
	10	Oph 163136- MIRI	MIRI Imaging	(5) 2MASS-J16313679-2404200
PDS 144				
	11	PDS 144 - NIRCAM	NIRCam Imaging	(6) PDS-144N
	12	PDS 144 - MIRI	MIRI Imaging	(6) PDS-144N
HK Tau				
	13	HK Tau - NIRCAM	NIRCam Imaging	(7) V-HK-TAU
	14	HK Tau - MIRI	MIRI Imaging	(7) V-HK-TAU
HK Tau Repeat				
	113	HK Tau - NIRCAM - repeat	NIRCam Imaging	(7) V-HK-TAU
	114	HK Tau - MIRI - repeat	MIRI Imaging	(7) V-HK-TAU
HV Tau				
	15	HV Tau - NIRCAM	NIRCam Imaging	(8) V-HV-TAU
	16	HV Tau - MIRI	MIRI Imaging	(8) V-HV-TAU
HV Tau Repeat				
	115	HV Tau - NIRCAM - repeat	NIRCam Imaging	(8) V-HV-TAU
	116	HV Tau - MIRI - repeat	MIRI Imaging	(8) V-HV-TAU
CB 26				
	17	CB 26 - NIRCAM	NIRCam Imaging	(9) CB-26
	18	CB 26 - MIRI	MIRI Imaging	(9) CB-26
Cha IR Nebula				
	19	Cha IR Nebula - NIRCAM	NIRCam Imaging	(10) CHA-IR-NEBULA

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	27	Cha IR Nebula - NIRCAM	NIRCam Imaging	(10) CHA-IR-NEBULA
	20	Cha IR Nebula - MIRI	MIRI Imaging	(10) CHA-IR-NEBULA
Gomez Hamburger				
	21	Gomez - NIRCAM	NIRCam Imaging	(11) GOMEZ-HAMBURGER
	22	Gomez - MIRI	MIRI Imaging	(11) GOMEZ-HAMBURGER
HH 200				
	23	HH 200 - NIRCAM	NIRCam Imaging	(12) HH-200
	24	HH 200 - MIRI	MIRI Imaging	(12) HH-200
FLYING SAUCER				
	25	FLYING SAUCER - NIRCAM	NIRCam Imaging	(13) FLYING-SAUCER
	26	Flying Saucer - MIRI	MIRI Imaging	(13) FLYING-SAUCER

ABSTRACT

Young, edge-on circumstellar disks are uniquely valuable laboratories for planet formation studies. With the central star occulted from direct view, the disk is clearly seen as a central dust lane flanked by reflected light from its upper and lower surfaces. The detailed morphology and chromaticity of these nebulae provides crucial information on disk vertical structure and the properties of its constituent dust grains. Spectral energy distributions and very limited groundbased imaging have shown that edge-on protoplanetary disks continue to be dominated by scattered light even out to wavelengths of 20 microns. JWST imaging of these targets therefore offers the unique opportunity to probe the disk interior between the optical scattered light surface seen with HST and the cold midplane emission seen by ALMA. We propose broad-band NIRCam and MIRI imaging of thirteen edge-on protoplanetary disks spanning a range of central star properties and evolutionary states. The targets are the most nearby objects of their class and thus should be vertically resolved by JWST even at wavelengths >= 7 microns. The images will reveal the wavelength evolution of both the dust lane thickness and the strength of forward scattering, which when interpreted by model fitting will allow us to derive the grainsize as a function of height in the disk and thus the extent of dust vertical settling. This project will empirically quantify for the first time how the dust size increases toward the disk midplane (a necessary condition to efficiently form planetesimals) across a broad disk sample, leaving a legacy of fundamental importance for our understanding of protoplanetary disk evolution.

OBSERVING DESCRIPTION

The baseline observation set will be in five filters to probe the evolution of the disk scattered light nebulosity with wavelength. As the target stars are variable, we require all the observation of each target to execute consecutively without interruption.

The NIRCam observations consist of F200W/F444W and F115W/F300M image pairs. All of our primary targets are smaller than 10 arcsec in extent. We will image with the full array without large dithers, but with subpixel dithers at 4 positions to reject bad pixels and build up subsampled images. These images are designed to sample the wavelength evolution of the nebula structure, taking advantage of JWST's stability to make the best strehl ratio images ever obtained for these targets from J to M band. The S/N and PSF quality are crucial for good modeling results: the brightness gradients of the two disk nebulae as they fade into the central dark lane are the primary observables constraining the disk scale height.

The baseline MIRI observation is one image in F770W only. It will be four-point dithered with the extended source dither scale. Three of our disks are larger/thicker and thus it should still be possible to resolve the dark lane out to longer wavelengths. For those three targets (Flying Saucer, Gomaz Hanburger, CB 26, Cha IR Nebula) we include MIRI F1280W and F2100W observations to trace the evolution of the dark lane thickness over the full JWST wavelength range.

Due to the variation in integrated brightness and nebular area (by as much factors of 5 between targets), the exposure times must be tailored for each target for both instruments.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	2MASS-J04302705+3545505	RA: 04 30 27.0457 (67.6126904d) Dec: +35 45 50.47 (35.76402d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(2)	ESO-HA-569	RA: 11 11 10.6900 (167.7945417d) Dec: -76 41 57.35 (-76.69926d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(3)	ESO-HA-574	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -0.006557077932276966 sec of time/yr Proper Motion Dec: -0.0029440000389513443 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(4)	2MASS-J16070384-3911113	RA: 16 07 3.8434 (241.7660142d) Dec: -39 11 11.32 (-39.18648d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(5)	2MASS-J16313679-2404200	RA: 16 31 36.8000 (247.9033333d) Dec: -24 04 20.10 (-24.07225d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(6)	PDS-144N	RA: 15 49 15.3888 (237.3141200d) Dec: -26 00 52.45 (-26.01457d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]* *Extended=YES*				
(7)	V-HK-TAU	RA: 04 31 50.5773 (67.9607388d) Dec: +24 24 17.42 (24.40484d) Equinox: J2000	Proper Motion RA: 3.7160320342380414E-4 sec of time/yr Proper Motion Dec: -0.0229440000566683 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				

(8)	V-HV-TAU	RA: 04 38 35.2960 (69.6470667d) Dec: +26 10 38.31 (26.17731d) Equinox: J2000	Proper Motion RA: 3.547896545309534E-4 sec of time/yr Proper Motion Dec: -0.0213769999845681 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(9)	CB-26	RA: 04 59 50.7930 (74.9616375d) Dec: +52 04 43.87 (52.07885d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, Young stellar objects]* *Extended=YES*				
(10)	CHA-IR-NEBULA	RA: 11 08 38.7020 (167.1612583d) Dec: -77 43 51.54 (-77.73098d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				
(11)	GOMEZ-HAMBURGER	RA: 18 09 13.3978 (272.3058242d) Dec: -32 10 50.03 (-32.18056d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]* *Extended=YES*				
(12)	HH-200	RA: 20 57 6.4484 (314.2768683d) Dec: +77 36 57.21 (77.61589d) Equinox: J2000	Epoch of Position: 2015.5	
Comments: *Category=Star* *Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]* *Extended=YES*				
(13)	FLYING-SAUCER	RA: 16 28 13.7041 (247.0571004d) Dec: -24 31 40.37 (-24.52788d) Equinox: J2000	Proper Motion RA: 4.396767050631605E-4 sec of time/yr Proper Motion Dec: -0.03400000005058246 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]* *Extended=YES*				

Observation

Proposal 4290, Observation 1: Aur 043027- NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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)	2MASS-J04302705+3545505	RA: 04 30 27.0457 (67.6126904d) Dec: +35 45 50.47 (35.76402d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	2	8	4	558.312	
2	F200W	F460M	BRIGHT2	3	2	8	4	558.312	

Special Requirements

Offset 30.0 arcsec, 30.0 arcsec

Group Observations 1, 2, Non-interruptible

Observation

Proposal 4290, Observation 2: Aur 043027 - MIRI Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(1)	2MASS-J04302705+3545505	RA: 04 30 27.0457 (67.6126904d) Dec: +35 45 50.47 (35.76402d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Group Observations 1, 2, Non-interruptible

Observation

Proposal 4290, Observation 3: ESO Ha 569 - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(2)	ESO-HA-569	RA: 11 11 10.6900 (167.7945417d) Dec: -76 41 57.35 (-76.69926d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	3	12	4	858.942	
2	F200W	F460M	BRIGHT2	3	3	12	4	858.942	

Special Requirements

Offset 20.0 arcsec, 20.0 arcsec

Group Observations 3, 4, Non-interruptible

Observation

Proposal 4290, Observation 4: ESO Ha 569 - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(2)	ESO-HA-569	RA: 11 11 10.6900 (167.7945417d) Dec: -76 41 57.35 (-76.69926d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Group Observations 3, 4, Non-interruptible

Observation

Proposal 4290, Observation 5: ESO Ha 574 - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(3)	ESO-HA-574	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -0.006557077932276966 sec of time/yr Proper Motion Dec: -0.0029440000389513443 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	2	8	4	558.312	
2	F200W	F460M	BRIGHT2	3	2	8	4	558.312	

Special Requirements

Offset 30.0 arcsec, 30.0 arcsec

Group Observations 5, 6, Non-interruptible

Observation

Proposal 4290, Observation 6: ESO Ha 574 - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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)	ESO-HA-574	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -0.006557077932276966 sec of time/yr Proper Motion Dec: -0.0029440000389513443 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	20	4	1	Dither 1	4	16	287.273	

Special Requirements

Group Observations 5, 6, Non-interruptible

Observation

Proposal 4290, Observation 7: Lup 160703 - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(4)	2MASS-J16070384-3911113	RA: 16 07 3.8434 (241.7660142d) Dec: -39 11 11.32 (-39.18648d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	2	8	4	558.312	
2	F200W	F460M	BRIGHT2	3	2	8	4	558.312	

Special Requirements

Offset 30.0 arcsec, 30.0 arcsec

Group Observations 7, 8, Non-interruptible

Observation

Proposal 4290, Observation 8: Lup 160703 - MIRI Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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)	2MASS-J16070384-3911113	RA: 16 07 3.8434 (241.7660142d) Dec: -39 11 11.32 (-39.18648d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Group Observations 7, 8, Non-interruptible

Observation

Proposal 4290, Observation 9: Oph 163136 - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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)	2MASS-J16313679-2404200	RA: 16 31 36.8000 (247.9033333d) Dec: -24 04 20.10 (-24.07225d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	2	8	4	558.312	
2	F200W	F460M	BRIGHT2	3	2	8	4	558.312	

Special Requirements

Offset 20.0 arcsec, -15.0 arcsec

Group Observations 9, 10, Non-interruptible

Observation

Proposal 4290, Observation 10: Oph 163136- MIRI Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(5)	2MASS-J16313679-2404200	RA: 16 31 36.8000 (247.9033333d) Dec: -24 04 20.10 (-24.07225d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Group Observations 9, 10, Non-interruptible

Observation

Proposal 4290, Observation 11: PDS 144 - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(PDS 144 - NIRCAM (Obs 11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	PDS-144N	RA: 15 49 15.3888 (237.3141200d) Dec: -26 00 52.45 (-26.01457d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB400P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	5	20	80	4	796.634	
2	F200W	F460M	RAPID	5	20	80	4	796.634	

Special Requirements

Group Observations 11, 12, Non-interruptible
Same V3 PA 11, 12 (Aperture PAs differ)

Observation

Proposal 4290, Observation 12: PDS 144 - MIRI Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

(PDS 144 - MIRI (Obs 12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	PDS-144N	RA: 15 49 15.3888 (237.3141200d) Dec: -26 00 52.45 (-26.01457d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Subarray
SUB256

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	5	4		6	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	20	4	1	Dither 1	4	16	99.441	

Special Requirements

Aperture PA Range 106.83544897 to 110.83544897 Degrees (V3 102.0 to 106.0)

Group Observations 11, 12, Non-interruptible
Same V3 PA 11, 12 (Aperture PAs differ)

Observation

Proposal 4290, Observation 13: HK Tau - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(7)	V-HK-TAU	RA: 04 31 50.5773 (67.9607388d) Dec: +24 24 17.42 (24.40484d) Equinox: J2000	Proper Motion RA: 3.7160320342380414E-4 sec of time/yr Proper Motion Dec: -0.0229440000566683 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	3	12	4	858.942	
2	F200W	F460M	BRIGHT2	3	3	12	4	858.942	

Special Requirements

Offset -20.0 arcsec, -15.0 arcsec

Group Observations 13, 14, Non-interruptible

Observation

Proposal 4290, Observation 14: HK Tau - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(7)	V-HK-TAU	RA: 04 31 50.5773 (67.9607388d) Dec: +24 24 17.42 (24.40484d) Equinox: J2000	Proper Motion RA: 3.7160320342380414E-4 sec of time/yr Proper Motion Dec: -0.0229440000566683 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Group Observations 13, 14, Non-interruptible

Observation

Proposal 4290, Observation 113: HK Tau - NIRCAM - repeat

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	V-HK-TAU	RA: 04 31 50.5773 (67.9607388d) Dec: +24 24 17.42 (24.40484d) Equinox: J2000	Proper Motion RA: 3.7160320342380414E-4 sec of time/yr Proper Motion Dec: -0.0229440000566683 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB400P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	5	20	80	4	796.634	
2	F200W	F460M	RAPID	5	20	80	4	796.634	

Special Requirements

Aperture PA Range 81.3025525 to 81.3025525 Degrees (V3 81.0 to 81.0)

Sequence Observations 113, 114, Non-interruptible

Observation

Proposal 4290, Observation 114: HK Tau - MIRI - repeat

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	V-HK-TAU	RA: 04 31 50.5773 (67.9607388d) Dec: +24 24 17.42 (24.40484d) Equinox: J2000	Proper Motion RA: 3.7160320342380414E-4 sec of time/yr Proper Motion Dec: -0.0229440000566683 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Aperture PA Range 85.83544897 to 85.83544897 Degrees (V3 81.0 to 81.0)

Sequence Observations 113, 114, Non-interruptible

Observation

Proposal 4290, Observation 15: HV Tau - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

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

(HV Tau - NIRCAM (Obs 15)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	V-HV-TAU	RA: 04 38 35.2960 (69.6470667d) Dec: +26 10 38.31 (26.17731d) Equinox: J2000	Proper Motion RA: 3.547896545309534E-4 sec of time/yr Proper Motion Dec: -0.0213769999845681 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	2	8	4	558.312	
2	F200W	F460M	BRIGHT2	3	2	8	4	558.312	

Special Requirements

Offset 25.0 arcsec, 40.0 arcsec

Group Observations 15, 16, Non-interruptible
Same V3 PA 15, 16 (Aperture PAs differ)

Observation

Proposal 4290, Observation 16: HV Tau - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

(HV Tau - MIRI (Obs 16)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	V-HV-TAU	RA: 04 38 35.2960 (69.6470667d) Dec: +26 10 38.31 (26.17731d) Equinox: J2000	Proper Motion RA: 3.547896545309534E-4 sec of time/yr Proper Motion Dec: -0.0213769999845681 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Aperture PA Range 80.83544897 to 96.83544897 Degrees (V3 76.0 to 92.0)

Group Observations 15, 16, Non-interruptible
Same V3 PA 15, 16 (Aperture PAs differ)

Observation

Proposal 4290, Observation 115: HV Tau - NIRCAM - repeat Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 115:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	V-HV-TAU	RA: 04 38 35.2960 (69.6470667d) Dec: +26 10 38.31 (26.17731d) Equinox: J2000	Proper Motion RA: 3.547896545309534E-4 sec of time/yr Proper Motion Dec: -0.0213769999845681 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB640

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	5	8	32	4	1474.071	
2	F200W	F460M	BRIGHT2	5	8	32	4	1474.071	

Special Requirements

Aperture PA Range 80.01509521 to 80.01509521 Degrees (V3 80.0 to 80.0)
Offset 9.0 arcsec, 9.0 arcsec

Sequence Observations 115, 116, Non-interruptible

Observation

Proposal 4290, Observation 116: HV Tau - MIRI - repeat

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(Visit 116:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	V-HV-TAU	RA: 04 38 35.2960 (69.6470667d) Dec: +26 10 38.31 (26.17731d) Equinox: J2000	Proper Motion RA: 3.547896545309534E-4 sec of time/yr Proper Motion Dec: -0.0213769999845681 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	

Special Requirements

Aperture PA Range 84.83544897 to 84.83544897 Degrees (V3 80.0 to 80.0)

Sequence Observations 115, 116, Non-interruptible

Observation

Proposal 4290, Observation 17: CB 26 - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(9)	CB-26	RA: 04 59 50.7930 (74.9616375d) Dec: +52 04 43.87 (52.07885d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	3	12	4	858.942	
2	F200W	F460M	BRIGHT2	3	3	12	4	858.942	

Special Requirements

Offset 20.0 arcsec, 20.0 arcsec

Group Observations 17, 18, Non-interruptible

Observation

Proposal 4290, Observation 18: CB 26 - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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)	CB-26	RA: 04 59 50.7930 (74.9616375d) Dec: +52 04 43.87 (52.07885d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	40	4	1	Dither 1	4	16	564.163	
2	F1280W	FASTR1	20	8	1	Dither 1	4	32	578.007	
3	F2100W	FASTR1	5	24	1	Dither 1	4	96	494.94	

Special Requirements

Group Observations 17, 18, Non-interruptible

Observation

Proposal 4290, Observation 19: Cha IR Nebula - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

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
(10)	CHA-IR-NEBULA	RA: 11 08 38.7020 (167.1612583d) Dec: -77 43 51.54 (-77.73098d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB400P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	5	10	40	4	398.317	
2	F200W	F460M	RAPID	5	10	40	4	398.317	

Special Requirements

Group Observations 19, 20, 27, Non-interruptible

Observation

Proposal 4290, Observation 27: Cha IR Nebula - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	CHA-IR-NEBULA	RA: 11 08 38.7020 (167.1612583d) Dec: -77 43 51.54 (-77.73098d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULLP

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	5	4	16	4	987.783	
2	F200W	F460M	RAPID	5	4	16	4	987.783	

Special Requirements

Offset -30.0 arcsec, -80.0 arcsec

Group Observations 19, 20, 27, Non-interruptible

Observation

Proposal 4290, Observation 20: Cha IR Nebula - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	CHA-IR-NEBULA	RA: 11 08 38.7020 (167.1612583d) Dec: -77 43 51.54 (-77.73098d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
SUB256

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	5	4		6	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	147.364	
2	F1280W	FASTR1	20	8	1	Dither 1	4	32	200.079	

Special Requirements

Group Observations 19, 20, 27, Non-interruptible

Observation

Proposal 4290, Observation 21: Gomez - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	GOMEZ-HAMBURGER	RA: 18 09 13.3978 (272.3058242d) Dec: -32 10 50.03 (-32.18056d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB400P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	8	12	48	4	716.479	
2	F200W	F460M	RAPID	8	12	48	4	716.479	

Special Requirements

Group Observations 21, 22, Non-interruptible

Observation

Proposal 4290, Observation 22: Gomez - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	GOMEZ-HAMBURGER	RA: 18 09 13.3978 (272.3058242d) Dec: -32 10 50.03 (-32.18056d) Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Herbig Ae/Be stars, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Subarray
SUB256

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	5	4		6	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	8	47	1	Dither 1	4	188	505.59	
2	F1280W	FASTR1	8	47	1	Dither 1	4	188	505.59	
3	F2100W	FASTR1	8	47	1	Dither 1	4	188	505.59	

Special Requirements

Group Observations 21, 22, Non-interruptible

Observation

Proposal 4290, Observation 23: HH 200 - NIRCAM Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	HH-200	RA: 20 57 6.4484 (314.2768683d) Dec: +77 36 57.21 (77.61589d) Equinox: J2000	Epoch of Position: 2015.5	

Comments:
Category=Star
Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	SUB400P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	RAPID	6	13	52	4	603.936	
2	F200W	F460M	RAPID	6	13	52	4	603.936	

Special Requirements

Group Observations 23, 24, Non-interruptible

Observation

Proposal 4290, Observation 24: HH 200 - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	HH-200	RA: 20 57 6.4484 (314.2768683d) Dec: +77 36 57.21 (77.61589d) Equinox: J2000	Epoch of Position: 2015.5	

Comments:
Category=Star
Description=[Herbig-Haro objects, Pre-main sequence stars, Protoplanetary disks, Young stellar objects]
Extended=YES

Template

Subarray
SUB256

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	5	4		6	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	10	11	1	Dither 1	4	44	143.77	
2	F1280W	FASTR1	10	11	1	Dither 1	4	44	143.77	

Special Requirements

Group Observations 23, 24, Non-interruptible

Observation

Proposal 4290, Observation 25: FLYING SAUCER - NIRCAM

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	FLYING-SAUCER	RA: 16 28 13.7041 (247.0571004d) Dec: -24 31 40.37 (-24.52788d) Equinox: J2000	Proper Motion RA: 4.396767050631605E-4 sec of time/yr Proper Motion Dec: -0.03400000005058246 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F300M	BRIGHT2	3	3	12	4	858.942	
2	F200W	F460M	BRIGHT2	3	3	12	4	858.942	

Special Requirements

Offset 30.0 arcsec, 30.0 arcsec

Group Observations 25, 26, Non-interruptible

Observation

Proposal 4290, Observation 26: Flying Saucer - MIRI

Wed Dec 18 00:00:10 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	FLYING-SAUCER	RA: 16 28 13.7041 (247.0571004d) Dec: -24 31 40.37 (-24.52788d) Equinox: J2000	Proper Motion RA: 4.396767050631605E-4 sec of time/yr Proper Motion Dec: -0.03400000005058246 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Pre-main sequence stars, Protoplanetary disks, T Tauri stars, Young stellar objects]
Extended=YES

Template

Subarray
BRIGHTSKY

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	4-Point-Sets				6	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	30	4	1	Dither 1	4	16	425.718	
2	F2100W	FASTR1	5	24	1	Dither 1	4	96	494.94	

Special Requirements

Group Observations 25, 26, Non-interruptible