



## 5299 - The JWST View of Icy Volatiles In Disks

Cycle: 3, Proposal Category: GO

### INVESTIGATORS

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### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
NIRSpec IFU				
	1	HV-Tau-C_NIR	NIRSpec IFU Spectroscopy	(1) HV-TAU-C
	2	OPH-163131_NIR	NIRSpec IFU Spectroscopy	(2) OPH-163131
	4	ESO-HA-574_NIR	NIRSpec IFU Spectroscopy	(4) ESO-HA-574
	5	LK-HA-263C_NIR	NIRSpec IFU Spectroscopy	(5) LK-HA-263C
	6	OPHE-MM3_NIR	NIRSpec IFU Spectroscopy	(6) OPHE-MM3
	26	OPHE-MM3_NIR - Repeat of obs 6	NIRSpec IFU Spectroscopy	(6) OPHE-MM3

JWST Proposal 5299 (Created: Monday, April 7, 2025, 3:00:15PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	22	FLYING-SAU CER_G3 95H	NIRSpec IFU Spectroscopy	(3) FLYING-SAU CER
MIRI MRS				
	8	OPH-163131_MIR	MIRI Medium Resolution Spectroscopy	(8) OPH-163131_MIR
	10	ESO-HA-574_MIR	MIRI Medium Resolution Spectroscopy	(10) ESO-HA-574_MIR
	11	LK-HA-263C_MIR	MIRI Medium Resolution Spectroscopy	(11) LK-HA-263C_MIR
	12	OPHE-MM3_MIR	MIRI Medium Resolution Spectroscopy	(12) OPHE-MM3_MIR
	25	OPHE-MM3_MIR2	MIRI Medium Resolution Spectroscopy	(19) OPHE-MM3_MIR2
	23	OPH-163131_MIR2	MIRI Medium Resolution Spectroscopy	(20) OPH-163131_MIR2
	24	ESO-HA-574_MIR2	MIRI Medium Resolution Spectroscopy	(21) ESO-HA-574_MIR2
MIRI MRS BG				
	14	OPH-163131_BG	MIRI Medium Resolution Spectroscopy	(14) OPH-163131_BG
	16	ESO-HA-574_BG	MIRI Medium Resolution Spectroscopy	(16) ESO-HA-574_BG
	18	OPHE-MM3_BG	MIRI Medium Resolution Spectroscopy	(18) OPHE-MM3_BG

## ABSTRACT

Planets form within disks of dust, gas, and ice around young stars. While our view of protoplanetary disk dust and gas has improved tremendously in recent years, we still have only a rudimentary understanding of the ice reservoirs in disks. The diversity of exoplanets and exocomets that may form around other stars depends crucially on whether disk ice compositions are similar or different in different systems. This can only be answered definitively with a deep near/mid-IR survey of edge-on protoplanetary disks, which is the aim of this proposal.

We will assess the diversity in ice compositions across different planet-forming systems by observing an unprecedented sample of 6 edge-on disks around low-mass stars. Spectral coverage from 1.7-28um with NIRSpec IFU and MIRI MRS will provide comprehensive ice inventories and simultaneous access to inner-disk gas compositions. We will obtain the deepest 3-5 micron spectra of edge-on disks to date, enabling detailed modeling of the ice band profiles. This is critical to accurately retrieving the disk ice abundances and compositions. Ultimately, this program will provide much-needed constraints on disk volatile budgets, ice-phase C/O ratios, and the compositions of icy planet-forming solids, with broad relevance to the planet formation, exoplanet, and solar system communities.

## OBSERVING DESCRIPTION

## JWST Proposal 5299 (Created: Monday, April 7, 2025, 3:00:15PM Eastern Standard Time) - Overview

NIRSpec IFU: The G235H and G395H settings are needed to cover all key ice bands in the near-IR, with high spectral resolution ( $R \sim 2700$ ) required to carry out line profile analysis and to separate out narrow gas-phase emission lines. A cycling 6-point dither will ensure sufficient sampling of the PSF, and facilitate bad pixel rejection. Dedicated background observations are not required. 5 of our disks targets fit within the NIRSpec FOV, but the Flying Saucer requires a 2-tile mosaic to cover the entire disk major axis. The G235H integration time is chosen to obtain a spatially binned SNR of 100 at 2.7 micron, as needed to detect the dangling OH band. The G395H integration time is chosen to obtain a spatially binned SNR of 150 at 4.7 micron, as needed to detect the CO line wings indicative of ice mixing.

MIRI MRS: the short, medium, and long sub-bands are required to cover all mid-IR line targets, including the CO<sub>2</sub> bending mode at 15.2 micron, H<sub>2</sub>O bending at 6 micron, minor ice features from 7-9 micron, and gas-phase emission features across the entire mid-IR. The medium resolution ( $R \sim 2000-4000$  in channels 1-3) will spectrally resolve the ice bands and minimize blending between gas lines. A 4-point dither will be used to sample the PSF. Simultaneous imaging will be included for astrometry. Sky backgrounds were selected to avoid bright sources in 2MASS and WISE images, and will be observed with the 2-point dither pattern for backgrounds. The integration time is chosen to achieve an SNR of 50-70 across Channels 1-3 (5-18 $\mu$ m) in order to characterize the 15 micron CO<sub>2</sub> line profile and detect weak gas-phase emission lines.

# Proposal 5299 - Targets - The JWST View of Icy Volatiles In Disks

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
(1)	HV-TAU-C	RA: 04 38 35.5126 (69.6479692d) Dec: +26 10 41.32 (26.17814d) Equinox: J2000	Proper Motion RA: 4.775979175959282 mas/yr Proper Motion Dec: -21.376969915794696 mas/yr Epoch of Position: 2000		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES					
(2)	OPH-163131	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000	Epoch of Position: 2000		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES					
(3)	FLYING-SAUCER	RA: 16 28 13.6980 (247.0570750d) Dec: -24 31 39.48 (-24.52763d) Equinox: J2000	Epoch of Position: 2000		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES					
Fixed Targets	(4)	ESO-HA-574	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES				
	(5)	LK-HA-263C	RA: 02 56 8.6700 (44.0361250d) Dec: +20 03 40.60 (20.06128d) Equinox: J2000	Proper Motion RA: 2.6 mas/yr Proper Motion Dec: -2.3999999939405825 mas/yr Epoch of Position: 2000	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
	(6)	OPHE-MM3	RA: 16 27 5.8220 (246.7742583d) Dec: -24 37 9.15 (-24.61921d) Equinox: J2000	Epoch of Position: 2000	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
	(8)	OPH-163131_MIR	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000	Epoch of Position: 2000	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES				

## Proposal 5299 - Targets - The JWST View of Icy Volatiles In Disks

(10)	ESO-HA-574_MIR	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[Protoplanetary disks]</p>			
(11)	LK-HA-263C_MIR	RA: 02 56 8.6722 (44.0361342d) Dec: +20 03 40.57 (20.06127d) Equinox: J2000	Proper Motion RA: 2.6 mas/yr Proper Motion Dec: -2.3999999939405825 mas/yr Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[Protoplanetary disks]</p>			
(12)	OPHE-MM3_MIR	RA: 16 27 5.8300 (246.7742917d) Dec: -24 37 7.66 (-24.61879d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[Protoplanetary disks]</p>			
(14)	OPH-163131_BG	RA: 16 31 29.4955 (247.8728979d) Dec: -24 26 55.75 (-24.44882d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Calibration            Description=[Telescope/sky background]            Extended=YES</p>			
(16)	ESO-HA-574_BG	RA: 11 16 3.6734 (169.0153058d) Dec: -76 25 25.30 (-76.42369d) Equinox: J2000	Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Calibration            Description=[Telescope/sky background]</p>			
(18)	OPHE-MM3_BG	RA: 16 27 4.3466 (246.7681108d) Dec: -24 38 1.25 (-24.63368d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Calibration            Description=[Telescope/sky background]</p>			
(19)	OPHE-MM3_MIR2	RA: 16 27 5.8220 (246.7742583d) Dec: -24 37 9.15 (-24.61921d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[Protoplanetary disks]</p>			
(20)	OPH-163131_MIR2	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[Protoplanetary disks]            Extended=YES</p>			

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(21)	ESO-HA-574_MIR2	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000	Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>  <i>Category=Star</i>  <i>Description=[Protoplanetary disks]</i></p>			
(22)	LK-HA-263A	RA: 02 56 8.4394 (44.0351642d) Dec: +20 03 38.56 (20.06071d) Equinox: J2000	Proper Motion RA: 2.6 mas/yr Proper Motion Dec: -2.3999999939405825 mas/yr Epoch of Position: 2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>  <i>Category=Star</i>  <i>Description=[Protoplanetary disks]</i></p>			

Proposal 5299 - Observation 1 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<p><b>Proposal 5299, Observation 1: HV-Tau-C_NIR</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(1)	HV-TAU-C	RA: 04 38 35.5126 (69.6479692d) Dec: +26 10 41.32 (26.17814d) Equinox: J2000			Proper Motion RA: 4.775979175959282 mas/yr Proper Motion Dec: -21.376969915794696 mas/yr Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks]</i></p> <p><i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex p</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPI D	25	1	false	true	NONE	12	12	4551.734	174562

Proposal 5299 - Observation 2 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<p><b>Proposal 5299, Observation 2: OPH-163131_NIR</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(2)	OPH-163131	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000			Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks]</i></p> <p><i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>		<b>Points</b>			
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPI D	25	1	false	true	NONE	12	12	4551.734	174562
<b>Special Requirements</b>	<p>Aperture PA Range 69 to 82 Degrees (V3 290.02835083 to 303.02835083)</p> <p>Aperture PA Range 144 to 156 Degrees (V3 5.02835083 to 17.02835083)</p> <p>Aperture PA Range 237 to 256 Degrees (V3 98.02835083 to 117.02835083)</p> <p>Aperture PA Range 339 to 12 Degrees (V3 200.02835083 to 233.02835083)</p>											

Proposal 5299 - Observation 4 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<p><b>Proposal 5299, Observation 4: ESO-HA-574_NIR</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(4)	ESO-HA-574	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000			Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks]</i></p> <p><i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>		<b>Points</b>			
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPI D	25	1	false	true	NONE	12	12	4551.734	174562
<b>Special Requirements</b>	Aperture PA Range 308 to 211 Degrees (V3 169.02835083 to 72.02835083)											

Proposal 5299 - Observation 5 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 5: LK-HA-263C_NIR</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(5)	LK-HA-263C	RA: 02 56 8.6700 (44.0361250d) Dec: +20 03 40.60 (20.06128d) Equinox: J2000			Proper Motion RA: 2.6 mas/yr Proper Motion Dec: -2.3999999939405825 mas/yr Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]												
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPI D	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPI D	25	1	false	true	NONE	12	12	4551.734	174562

Proposal 5299 - Observation 6 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<p><b>Proposal 5299, Observation 6: OPHE-MM3_NIR</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(6)	OPHE-MM3	RA: 16 27 5.8220 (246.7742583d) Dec: -24 37 9.15 (-24.61921d) Equinox: J2000			Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks]</i></p>											
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPID	25	1	false	true	NONE	12	12	4551.734	174562
<b>Special Requirements</b>	<p>Aperture PA Range 172.97164917 to 212.97164917 Degrees (V3 34.0 to 74.0)</p> <p>Aperture PA Range 287.97164917 to 98.97164917 Degrees (V3 149.0 to 320.0)</p>											

Proposal 5299 - Observation 26 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<p><b>Proposal 5299, Observation 26: OPHE-MM3_NIR - Repeat of obs 6</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	<p>(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 26:1) 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.</p>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(6)	OPHE-MM3	RA: 16 27 5.8220 (246.7742583d) Dec: -24 37 9.15 (-24.61921d) Equinox: J2000			Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks]</i></p>											
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	10	1	false	true	NONE	12	12	1925.733	174562
	2	G395H/F290LP	NRSIRS2RAPID	25	1	false	true	NONE	12	12	4551.734	174562
<b>Special Requirements</b>	<p>Aperture PA Range 172.97164917 to 212.97164917 Degrees (V3 34.0 to 74.0)</p> <p>Aperture PA Range 287.97164917 to 98.97164917 Degrees (V3 149.0 to 320.0)</p>											

Proposal 5299 - Observation 22 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 22: FLYING-SAUCER_G395H</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 22:1) Warning (Form): Data Excess over lower threshold (Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(3)	FLYING-SAUCER	RA: 16 28 13.6980 (247.0570750d) Dec: -24 31 39.48 (-24.52763d) Equinox: J2000			Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES												
<b>Template</b>	<b>TA Method</b>						<b>HFF Readout Mode</b>					
	NONE						false					
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>					
	2	1	10.0	10.0	0.0	0.0	DEFAULT					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		SMALL	1		12					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395H/F290LP	NRSIRS2RAPI D	25	1	false	true	NONE	12	12	4551.734	174562
	2	G235H/F170LP	NRSIRS2RAPI D	10	1	false	true	NONE	12	12	1925.733	

Proposal 5299 - Observation 22 - The JWST View of Icy Volatiles In Disks

Special Requirements

Aperture PA Range 58.97164917 to 128.97164917 Degrees (V3 280.0 to 350.0)  
Aperture PA Range 238.97164917 to 308.97164917 Degrees (V3 100.0 to 170.0)

Proposal 5299 - Observation 8 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

Observation	<b>Proposal 5299, Observation 8: OPH-163131_MIR</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[OPH-163131_BG (Obs 14)]												
	(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)	OPH-163131_MIR	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000		Epoch of Position: 2000								
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	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			EXTENDED SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	1	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	1	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	3	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251

Proposal 5299 - Observation 8 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 8, 14, Non-interruptible

Proposal 5299 - Observation 10 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

Observation	<b>Proposal 5299, Observation 10: ESO-HA-574_MIR</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[ESO-HA-574_BG (Obs 16)]												
	(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)	ESO-HA-574_MIR	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000			Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[Protoplanetary disks]</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	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			EXTENDED SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	1	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	1	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	3	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251

Proposal 5299 - Observation 10 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 10, 16, Non-interruptible

Proposal 5299 - Observation 11 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 11: LK-HA-263C_MIR</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(11)	LK-HA-263C_MIR	RA: 02 56 8.6722 (44.0361342d) Dec: +20 03 40.57 (20.06127d) Equinox: J2000			Proper Motion RA: 2.6 mas/yr Proper Motion Dec: -2.3999999939405825 mas/yr Epoch of Position: 2000							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	22 LK-HA-263A	FND	FAST	10	1	1	27.75	212235				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			NO			FULL			Allow Auto Reorder			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>			<b>Direction</b>				
	1	4-Point				POINT SOURCE			NEGATIVE				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dit</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	LONG(C)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	1	LONG(C)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251

Proposal 5299 - Observation 12 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 12: OPHE-MM3_MIR</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[OPHE-MM3_BG (Obs 18)]												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(12)	OPHE-MM3_MIR	RA: 16 27 5.8300 (246.7742917d) Dec: -24 37 7.66 (-24.61879d) Equinox: J2000				Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[Protoplanetary disks]</i>													
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			FULL		Allow Auto Reorder			
<b>Dithers</b>	#	Dither Type				Optimized For				Direction			
	1	4-Point				EXTENDED SOURCE				NEGATIVE			
<b>Spectral Elements</b>	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	1	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	1	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	4	4	122.102	
	3	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	178251
	3	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	178251

Proposal 5299 - Observation 12 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 12, 18, Non-interruptible

Proposal 5299 - Observation 25 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 25: OPHE-MM3_MIR2</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>				<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(19)	OPHE-MM3_MIR2	RA: 16 27 5.8220 (246.7742583d) Dec: -24 37 9.15 (-24.61921d) Equinox: J2000				Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[Protoplanetary disks]</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	8	1	1	22.2	212235				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			NO			FULL			Allow Auto Reorder			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>			<b>Direction</b>				
	1	4-Point				POINT SOURCE			NEGATIVE				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	LONG(C)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	1	LONG(C)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251

Proposal 5299 - Observation 23 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 23: OPH-163131_MIR2</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>				
	(20)	OPH-163131_MIR2	RA: 16 31 31.2519 (247.8802162d) Dec: -24 26 28.47 (-24.44124d) Equinox: J2000			Epoch of Position: 2000							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks] Extended=YES													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	6	1	1	16.65	212235				
<b>Template</b>	<b>Primary Channel</b>		<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>				
	All MRS		NO			FULL			Allow Auto Reorder				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>			<b>Optimized For</b>			<b>Direction</b>					
	1	4-Point			POINT SOURCE			NEGATIVE					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	LONG(C)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	1	LONG(C)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251

Proposal 5299 - Observation 24 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 24: ESO-HA-574_MIR2</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>				<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(21)	ESO-HA-574_MIR2	RA: 11 16 2.7639 (169.0115162d) Dec: -76 24 53.24 (-76.41479d) Equinox: J2000				Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	10	1	1	27.75	212235				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			NO			FULL			Allow Auto Reorder			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>			<b>Direction</b>				
	1	4-Point				POINT SOURCE			NEGATIVE				
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	1	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	LONG(C)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251
	3	LONG(C)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	178251

Proposal 5299 - Observation 14 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 14: OPH-163131_BG</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [OPH-163131_MIR (Obs 8)]												
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates		Targ. Coord. Corrections				Miscellaneous				
	(14)	OPH-163131_BG	RA: 16 31 29.4955 (247.8728979d) Dec: -24 26 55.75 (-24.44882d) Equinox: J2000		Epoch of Position: 2000								
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Calibration Description=[Telescope/sky background] Extended=YES													
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel		Simultaneous Imaging		Imager Subarray		Grating Wheel Direction					
		All MRS		YES		FULL		Allow Auto Reorder					
<b>Dithers</b>	#	Dither Type			Optimized For				Direction				
	1	2-Point			BACKGROUND				NEGATIVE				
<b>Spectral Elements</b>	#	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	1	1	Dither 1	2	2	61.051	
	1	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	1	LONG(C)	MRSSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2	MEDIUM(B)	MRSSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	3	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3	SHORT(A)	MRSSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	

Proposal 5299 - Observation 14 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 8, 14, Non-interruptible

Proposal 5299 - Observation 16 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

Observation	<b>Proposal 5299, Observation 16: ESO-HA-574_BG</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [ESO-HA-574_MIR (Obs 10)]												
	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(16)	ESO-HA-574_BG	RA: 11 16 3.6734 (169.0153058d) Dec: -76 25 25.30 (-76.42369d) Equinox: J2000				Proper Motion RA: -23.103 mas/yr Proper Motion Dec: -2.9440000389513443 mas/yr Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Calibration</i> <i>Description=[Telescope/sky background]</i>													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			FULL		Allow Auto Reorder			
Dithers	#	Dither Type				Optimized For				Direction			
	1	2-Point				BACKGROUND				NEGATIVE			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	1	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	1	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	3	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	

Proposal 5299 - Observation 16 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 10, 16, Non-interruptible

Proposal 5299 - Observation 18 - The JWST View of Icy Volatiles In Disks

Mon Apr 07 20:00:15 GMT 2025

<b>Observation</b>	<b>Proposal 5299, Observation 18: OPHE-MM3_BG</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [OPHE-MM3_MIR (Obs 12)]												
	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
<b>Fixed Targets</b>	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(18)	OPHE-MM3_BG	RA: 16 27 4.3466 (246.7681108d) Dec: -24 38 1.25 (-24.63368d) Equinox: J2000				Epoch of Position: 2000						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Calibration</i> <i>Description=[Telescope/sky background]</i>													
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
		All MRS			YES			FULL		Allow Auto Reorder			
<b>Dithers</b>	#	Dither Type				Optimized For				Direction			
	1	2-Point				BACKGROUND				NEGATIVE			
<b>Spectral Elements</b>	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	1	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	1	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3		IMAGER	F770W	FASTR1	11	1	1	Dither 1	2	2	61.051	
	3	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	2	2	127.652	
	3	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	2	2	127.652	

Proposal 5299 - Observation 18 - The JWST View of Icy Volatiles In Disks

Special Requirements

Sequence Observations 12, 18, Non-interruptible