



5552 - Mapping the distribution of ices in the host environments of protostellar hot corinos

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>
NIRCAM pre-imaging				
	1	B335 NIRCAM pre-imaging	NIRCam Imaging	(1) B335
	2	SerpS-MM18 NIRCAM pre-imaging	NIRCam Imaging	(2) SerpS-MM18

JWST Proposal 5552 (Created: Friday, February 6, 2026, 8:01:01PM Eastern Standard Time) - Overview

Folder	Observation	Label	Observing Template	Science Target
	20	SerpS-MM18 NIRCA M pre-imaging	NIRCam Imaging	(2) SerpS-MM18
	22	SerpS-MM18 NIRCA M pre-imaging	NIRCam Imaging	(2) SerpS-MM18
	3	IRAS 4A NIRCAM pre- -imaging	NIRCam Imaging	(3) JCC87-IRAS-4A
	21	IRAS 4A NIRCAM pre- -imaging (reobservation)	NIRCam Imaging	(3) JCC87-IRAS-4A
	4	Ser 11W NIRCAM pre- -imaging	NIRCam Imaging	(4) Ser-emb-11E
	5	Serp SMM 1a NIRCA M pre-imaging	NIRCam Imaging	(5) SMM-1a
	6	BHR71 NIRCAM pre-i -maging	NIRCam Imaging	(6) BHR71
	7	HOPS 108 NIRCAM pr e-imaging	NIRCam Imaging	(7) HOPS-108
	8	HOPS 373 NIRCAM pr e-imaging	NIRCam Imaging	(8) HOPS-373
NIRSpec MOS				
	9	B335-p00-10x10r005-c nt4575	NIRSpec MultiObject Spectroscopy	(15) B335_MSAcat_25Jan2025
	10	SerpS-MM18-NIRSpec -MOS	NIRSpec MultiObject Spectroscopy	(2) SerpS-MM18
	11	IRAS 4A -NIRSpec-M OS	NIRSpec MultiObject Spectroscopy	(3) JCC87-IRAS-4A
	12	EMB11-p00-10x10r005 -cnt12391	NIRSpec MultiObject Spectroscopy	(16) EMB11_MSAcat_12Feb2025
	13	SMM1a-p00-10x10r00 5-cnt3002	NIRSpec MultiObject Spectroscopy	(14) SMM1a_MSAcat_21Jan2025
	14	BHR71-p01-20x20r01- cnt15827-noweights	NIRSpec MultiObject Spectroscopy	(18) BHR71_MSAcat_13Jun2025
	15	HOPS108-p00-20x20r0 05-cnt1884	NIRSpec MultiObject Spectroscopy	(13) HOPS108_MSAcat_13Dec2024
	16	HOPS373-p11-10x10r0 05-cnt57-sos	NIRSpec MultiObject Spectroscopy	(10) HOPS373_MSAcat_2Dec2024

ABSTRACT

To date, there exists no systematic view examining the chemistry of protostellar systems in the gas- and condensed-phases at all size and temperature scales from the cold dark cloud to the embedded protostar and its emerging protoplanetary disks. As a result we are missing critical information about the emergence of complex organic molecules in the interstellar medium, a fundamental puzzle of astrochemistry. Here, we propose a program to link the large-scale, cold chemistry of protostellar envelopes to the small-scale, warm gas toward emerging protostars and their protoplanetary disks. This will be done through NIRSpec MOS observations of a sample of eight protostars known to harbor hot corinos with abundant complex organic molecules present on small scales. The JWST observations will provide the large scale view of the distribution of fundamental ices in the parental cloud of these sources. These observations, combined with complementary ALMA Large Programs will provide the most comprehensive and systematic view of the chemical evolution of gas and ice around protostars in different environments so-far. The resulting insights will fundamentally alter our understanding of the complex chemistry arising around young protostars and will allow us to address the fundamental question: what role do natal molecular cloud conditions play in setting the organic inventories that eventually may be inherited by emerging planetary systems?

OBSERVING DESCRIPTION

We propose to obtain map the distribution of interstellar ices in the natal cloud environments of eight deeply embedded protostars known from ALMA observations to harbor hot corinos with abundant complex organic molecules. In conjunction with data from an ongoing ALMA Large Program, COMPASS, providing systematic inventories of the complex organic species in the gas-phase on disk-scales (< 100 au) as well as ALMA mosaicing observations of the molecules on core-to-cloud scales (~ 0.1 - 0.5 pc), these data will provide the most comprehensive view of the evolution of gas and ices from cloud to disk scales around protostars in different environments.

For each source we will first do NIRCам pre-imaging ($6' \times 5'$ FOV) to identify background stars for which ice absorption spectra can be obtained. An analysis of the number of background stars as well as experience from other programs show that the number density of those stars are sufficient to map distribution of ices on similar scales as what can be achieved with the ALMA Compact Array sensitive to the most extended structures. Based on the astrometric measurements from the pre-imaging and alignment with GAIA stars, we will be able to precisely position the MSA and decide which shutters to close to avoid saturation in case of bright sources within the FOV. With our selection of NIRSpec gratings and filters we will cover the wavelength range from 1.66 to 6.10 micron. This will allow us to measure the spectral absorption features against the background star continua to estimate the column densities of fundamental ices such as CO, CO₂, H₂O, and CH₃OH.

Proposal 5552 - Targets - Mapping the distribution of ices in the host environments of protostellar hot corinos

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	B335	RA: 19 37 0.9600 (294.2540000d) Dec: +07 34 9.62 (7.56934d) 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, Protostars]				
(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000	Epoch of Position: 2000	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinate is shifted to cover more GAIA stars.</i> Category=Star Description=[Protoplanetary disks, Protostars]				
(3)	JCC87-IRAS-4A	RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) 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, Protostars]				
(4)	Ser-emb-11E	RA: 18 29 7.8480 (277.2827000d) Dec: +00 30 5.16 (.50143d) 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, Protostars]				
(5)	SMM-1a	RA: 18 29 49.6800 (277.4570000d) Dec: +01 15 20.23 (1.25562d) 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, Protostars]				
(6)	BHR71	RA: 12 01 36.4988 (180.4020783d) Dec: -65 08 49.38 (-65.14705d) 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, Protostars]				
(7)	HOPS-108	RA: 05 35 27.0840 (83.8628500d) Dec: -05 10 0.07 (-5.16669d) 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, Protostars]				
(8)	HOPS-373	RA: 05 46 32.5920 (86.6358000d) Dec: -00 04 11.25 (-.06979d) 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, Protostars]				

Fixed Targets

Proposal 5552 - Targets - Mapping the distribution of ices in the host environments of protostellar hot corinos

(10)	HOPS373_MSAcat_2Dec2024	RA: 05 46 32.6637 (86.6360988d) Dec: -00 03 51.21 (-.06423d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(13)	HOPS108_MSAcat_13Dec2024	RA: 05 35 25.8969 (83.8579038d) Dec: -05 09 31.30 (-5.15869d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(14)	SMM1a_MSAcat_21Jan2025	RA: 18 29 49.2300 (277.4551250d) Dec: +01 15 21.74 (1.25604d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(15)	B335_MSAcat_25Jan2025	RA: 19 37 0.7968 (294.2533200d) Dec: +07 34 13.47 (7.57041d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(16)	EMB11_MSAcat_12Feb2025	RA: 18 29 8.6135 (277.2858896d) Dec: +00 29 57.03 (.49917d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(18)	BHR71_MSAcat_13Jun2025	RA: 12 01 35.9794 (180.3999142d) Dec: -65 08 51.82 (-65.14773d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		

Proposal 5552 - Observation 1 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 1: B335 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(B335 NIRCAM pre-imaging (Obs 1)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(B335 NIRCAM pre-imaging (Obs 1)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(B335 NIRCAM pre-imaging (Obs 1)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 1:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 1:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 1:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(1)	B335	RA: 19 37 0.9600 (294.2540000d) Dec: +07 34 9.62 (7.56934d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Sequence Visits within 53.0 Days</p> <p>Aperture PA Range 51.92542306 to 77.92542306 Degrees (V3 52.0 to 78.0)</p> <p>Aperture PA Range 85.92542306 to 155.92542306 Degrees (V3 86.0 to 156.0)</p> <p>Visits Same PA</p> <p>9 After 1 by 80 Days to <None specified></p>									

Proposal 5552 - Observation 2 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 2: SerpS-MM18 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(SerpS-MM18 NIRCAM pre-imaging (Obs 2)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 2)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 2)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 2:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 2:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 2:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000			Epoch of Position: 2000				
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinate is shifted to cover more GAIA stars.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA</p> <p>Aperture PA Offset 20 from 2 by -5 to 5 Degrees (Same offsets in V3) Aperture PA Offset 22 from 2 by -5 to 5 Degrees (Same offsets in V3)</p>									

Proposal 5552 - Observation 20 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 20: SerpS-MM18 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>																																							
Diagnostics	<p>(SerpS-MM18 NIRCAM pre-imaging (Obs 20)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 20)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 20)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 20:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 20:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 20:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>SerpS-MM18</td> <td>RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinate is shifted to cover more GAIA stars.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks, Protostars]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000	Epoch of Position: 2000																					
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(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000	Epoch of Position: 2000																																					
Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Subarray</th> <th>Target Placement</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>FULL</td> <td>Module gap (large extended source)</td> </tr> </tbody> </table>										Module	Subarray	Target Placement	ALL	FULL	Module gap (large extended source)																								
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Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Dither Type</th> <th>Primary Dithers</th> <th>Subpixel Dither Type</th> <th>Dither Size</th> <th>Subpixel Positions</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>FULLBOX</td> <td>8NIRSPEC</td> <td>STANDARD</td> <td></td> <td>1</td> </tr> </tbody> </table>										#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions	1	FULLBOX	8NIRSPEC	STANDARD		1																		
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Dithers</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F212N</td> <td>F360M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> <tr> <td>2</td> <td>F200W</td> <td>F480M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> </tbody> </table>										#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942		2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID																															
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2	F200W	F480M	BRIGHT2	5	1	8	8	858.942																																
Special Requirements	<p>Group Visits within 53.0 Days Aperture PA Range 93.69012306 to 93.69012306 Degrees (V3 93.7647 to 93.7647) Visits Same PA</p> <p>Aperture PA Offset 20 from 2 by -5 to 5 Degrees (Same offsets in V3)</p>																																							

Proposal 5552 - Observation 22 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 22: SerpS-MM18 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(SerpS-MM18 NIRCAM pre-imaging (Obs 22)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 22)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 22)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 22:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 22:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 22:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(SerpS-MM18 NIRCAM pre-imaging (Obs 22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000			Epoch of Position: 2000				
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinate is shifted to cover more GAIA stars.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks, Protostars]</i></p>									
Template	Module		Subarray				Target Placement			
	ALL		FULL				Module gap (large extended source)			
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	

Proposal 5552 - Observation 22 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Special Requirements

Sequence Visits within 53.0 Days
Visits Same PA

10 After 22 by 80 Days to 365 Days
Aperture PA Offset 22 from 2 by -5 to 5 Degrees (Same offsets in V3)

Proposal 5552 - Observation 3 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 3: IRAS 4A NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(IRAS 4A NIRCAM pre-imaging (Obs 3)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(IRAS 4A NIRCAM pre-imaging (Obs 3)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(IRAS 4A NIRCAM pre-imaging (Obs 3)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 3:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 3:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 3:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(3)	JCC87-IRAS-4A	RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Group Visits within 53.0 Days Aperture PA Range 81.92542306 to 90.92542306 Degrees (V3 82.0 to 91.0) Aperture PA Range 93.92542306 to 174.92542306 Degrees (V3 94.0 to 175.0) Aperture PA Range 179.92542306 to 259.92542306 Degrees (V3 180.0 to 260.0) Visits Same PA</p> <p>Aperture PA Offset 21 from 3 by -5 to 5 Degrees (Same offsets in V3)</p>									

Proposal 5552 - Observation 21 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 21: IRAS 4A NIRCAM pre-imaging (reobservation)</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(IRAS 4A NIRCAM pre-imaging (reobservation) (Obs 21)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(IRAS 4A NIRCAM pre-imaging (reobservation) (Obs 21)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(IRAS 4A NIRCAM pre-imaging (reobservation) (Obs 21)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 21:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 21:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 21:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(IRAS 4A NIRCAM pre-imaging (reobservation) (Obs 21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	JCC87-IRAS-4A	RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	

Proposal 5552 - Observation 21 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Special Requirements

Sequence Visits within 53.0 Days
Aperture PA Range 81.92542306 to 90.92542306 Degrees (V3 82.0 to 91.0)
Aperture PA Range 93.92542306 to 174.92542306 Degrees (V3 94.0 to 175.0)
Aperture PA Range 179.92542306 to 259.92542306 Degrees (V3 180.0 to 260.0)
Visits Same PA

11 After 21 by 80 Days to 365 Days
Aperture PA Offset 21 from 3 by -5 to 5 Degrees (Same offsets in V3)

Proposal 5552 - Observation 4 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 4: Ser 11W NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>																																							
Diagnostics	<p>(Ser 11W NIRCAM pre-imaging (Obs 4)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Ser 11W NIRCAM pre-imaging (Obs 4)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(Ser 11W NIRCAM pre-imaging (Obs 4)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 4:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 4:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 4:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>Ser-emb-11E</td> <td>RA: 18 29 7.8480 (277.2827000d) Dec: +00 30 5.16 (.50143d) Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <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, Protostars]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	Ser-emb-11E	RA: 18 29 7.8480 (277.2827000d) Dec: +00 30 5.16 (.50143d) Equinox: J2000	Epoch of Position: 2000																					
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																				
(4)	Ser-emb-11E	RA: 18 29 7.8480 (277.2827000d) Dec: +00 30 5.16 (.50143d) Equinox: J2000	Epoch of Position: 2000																																					
Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Subarray</th> <th>Target Placement</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>FULL</td> <td>Module gap (large extended source)</td> </tr> </tbody> </table>										Module	Subarray	Target Placement	ALL	FULL	Module gap (large extended source)																								
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Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Dither Type</th> <th>Primary Dithers</th> <th>Subpixel Dither Type</th> <th>Dither Size</th> <th>Subpixel Positions</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>FULLBOX</td> <td>8NIRSPEC</td> <td>STANDARD</td> <td></td> <td>1</td> </tr> </tbody> </table>										#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions	1	FULLBOX	8NIRSPEC	STANDARD		1																		
#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions																																			
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Dithers</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F212N</td> <td>F360M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> <tr> <td>2</td> <td>F200W</td> <td>F480M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> </tbody> </table>										#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942		2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID																															
1	F212N	F360M	BRIGHT2	5	1	8	8	858.942																																
2	F200W	F480M	BRIGHT2	5	1	8	8	858.942																																
Special Requirements	<p>Sequence Visits within 53.0 Days Aperture PA Range 67.92542306 to 91.92542306 Degrees (V3 68.0 to 92.0) Aperture PA Range 101.92542306 to 104.92542306 Degrees (V3 102.0 to 105.0) Visits Same PA</p> <p>12 After 4 by 80 Days to <None specified></p>																																							

Proposal 5552 - Observation 5 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 5: Serp SMM 1a NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>																																							
Diagnostics	<p>(Serp SMM 1a NIRCAM pre-imaging (Obs 5)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Serp SMM 1a NIRCAM pre-imaging (Obs 5)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(Serp SMM 1a NIRCAM pre-imaging (Obs 5)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 5:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 5:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 5:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																							
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>SMM-1a</td> <td>RA: 18 29 49.6800 (277.4570000d) Dec: +01 15 20.23 (1.25562d) Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <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, Protostars]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(5)	SMM-1a	RA: 18 29 49.6800 (277.4570000d) Dec: +01 15 20.23 (1.25562d) Equinox: J2000	Epoch of Position: 2000																					
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																				
(5)	SMM-1a	RA: 18 29 49.6800 (277.4570000d) Dec: +01 15 20.23 (1.25562d) Equinox: J2000	Epoch of Position: 2000																																					
Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Subarray</th> <th>Target Placement</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>FULL</td> <td>Module gap (large extended source)</td> </tr> </tbody> </table>										Module	Subarray	Target Placement	ALL	FULL	Module gap (large extended source)																								
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Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Dither Type</th> <th>Primary Dithers</th> <th>Subpixel Dither Type</th> <th>Dither Size</th> <th>Subpixel Positions</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>FULLBOX</td> <td>8NIRSPEC</td> <td>STANDARD</td> <td></td> <td>1</td> </tr> </tbody> </table>										#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions	1	FULLBOX	8NIRSPEC	STANDARD		1																		
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Dithers</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F212N</td> <td>F360M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> <tr> <td>2</td> <td>F200W</td> <td>F480M</td> <td>BRIGHT2</td> <td>5</td> <td>1</td> <td>8</td> <td>8</td> <td>858.942</td> <td></td> </tr> </tbody> </table>										#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942		2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID																															
1	F212N	F360M	BRIGHT2	5	1	8	8	858.942																																
2	F200W	F480M	BRIGHT2	5	1	8	8	858.942																																
Special Requirements	<p>Sequence Visits within 53.0 Days Aperture PA Range 73.92542306 to 96.92542306 Degrees (V3 74.0 to 97.0) Aperture PA Range 104.92542306 to 108.92542306 Degrees (V3 105.0 to 109.0) Aperture PA Range 113.92542306 to 135.92542306 Degrees (V3 114.0 to 136.0) Visits Same PA</p> <p>13 After 5 by 80 Days to <None specified></p>																																							

Proposal 5552 - Observation 6 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 6: BHR71 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(BHR71 NIRCAM pre-imaging (Obs 6)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(BHR71 NIRCAM pre-imaging (Obs 6)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(BHR71 NIRCAM pre-imaging (Obs 6)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 6:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 6:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 6:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(6)	BHR71	RA: 12 01 36.4988 (180.4020783d) Dec: -65 08 49.38 (-65.14705d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Group Visits within 53.0 Days</p> <p>Visits Same PA</p>									

Proposal 5552 - Observation 7 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 7: HOPS 108 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(HOPS 108 NIRCAM pre-imaging (Obs 7)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(HOPS 108 NIRCAM pre-imaging (Obs 7)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(HOPS 108 NIRCAM pre-imaging (Obs 7)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 7:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 7:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 7:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(7)	HOPS-108	RA: 05 35 27.0840 (83.8628500d) Dec: -05 10 0.07 (-5.16669d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Sequence Visits within 53.0 Days</p> <p>Aperture PA Range 217.92542306 to 295.92542306 Degrees (V3 218.0 to 296.0)</p> <p>Aperture PA Range 312.92542306 to 7.92542306 Degrees (V3 313.0 to 8.0)</p> <p>Visits Same PA</p> <p>15 After 7 by 80 Days to <None specified></p>									

Proposal 5552 - Observation 8 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 8: HOPS 373 NIRCAM pre-imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCAM Imaging</p>									
Diagnostics	<p>(HOPS 373 NIRCAM pre-imaging (Obs 8)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(HOPS 373 NIRCAM pre-imaging (Obs 8)) Warning (Form): Some science pointings place the target outside of the aperture.</p> <p>(HOPS 373 NIRCAM pre-imaging (Obs 8)) Warning (Form): This observation is split across multiple visits using multiple filters. Not selecting the sequence option may result in execution of the visits in a non-numerical order and is not recommended.</p> <p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 8:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 8:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 8:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(8)	HOPS-373	RA: 05 46 32.5920 (86.6358000d) Dec: -00 04 11.25 (-.06979d) 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, Protostars]</i></p>									
Template	Module		Subarray			Target Placement				
	ALL		FULL			Module gap (large extended source)				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		8NIRSPEC		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F212N	F360M	BRIGHT2	5	1	8	8	858.942	
	2	F200W	F480M	BRIGHT2	5	1	8	8	858.942	
Special Requirements	<p>Sequence Visits within 53.0 Days Visits Same PA</p> <p>16 After 8 by 80 Days to <None specified></p>									

Proposal 5552 - Observation 9 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 9: B335-p00-10x10r005-cnt4575 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging																																																												
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>B335_MSAcat_25Jan2025</td> <td>RA: 19 37 0.7968 (294.2533200d) Dec: +07 34 13.47 (7.57041d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> Comments: Description=[]											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(15)	B335_MSAcat_25Jan2025	RA: 19 37 0.7968 (294.2533200d) Dec: +07 34 13.47 (7.57041d) Equinox: J2000																																										
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																																								
(15)	B335_MSAcat_25Jan2025	RA: 19 37 0.7968 (294.2533200d) Dec: +07 34 13.47 (7.57041d) Equinox: J2000																																																											
Acquisition	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Filter: F140X; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]</td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1	Filter: F140X; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																													
	NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																																																		
1	Filter: F140X; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																																																				
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1	NONE																																																												

Proposal 5552 - Observation 9 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	Confirmation							Confirmation			
	NIRSpec MultiObject Spectroscopy	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time				
1		After Target Acq	NRSIRS2RAPID	8	1	1	131.3				
Spectral Elements	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
	1	1 (G395M/F290LP)	c1-manual	3 Shutter Slitlet	294.26895091666 665 Degrees 7.57198 Degrees	35.273405246290 5			3	15	10066.334
	2	2 (G235M/F170LP)	c1-manual	3 Shutter Slitlet	294.26895091666 665 Degrees 7.57198 Degrees	35.273405246290 5			3	3	2232.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9	
	2	F187N	F323N+F322W2	MEDIUM2	6	1	3	3	1674.936	144599.8	
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 35.2713 to 35.2713 Degrees (V3 256.69678 to 256.69678)										
	9 After 1 by 80 Days to <None specified>										

Proposal 5552 - Observation 10 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	<p>Proposal 5552, Observation 10: SerpS-MM18-NIRSpec-MOS</p> <p>Diagnostic Status: Error</p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p>										
Diagnostics	<p>(SerpS-MM18-NIRSpec-MOS (Obs 10)) Error (Form): This observation was created with an Aperture PA of 0.0000 but it has been assigned an Aperture PA of 238.1851</p> <p>(Aperture PA) Error (Form): This observation was created with an Aperture PA of 0.0000 but it has been assigned an Aperture PA of 238.1851</p> <p>(Visit 10:1) Error (Form): Reference stars are required but none were found for this visit</p> <p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(2)	SerpS-MM18	RA: 18 30 6.0000 (277.5250000d) Dec: -02 02 38.40 (-2.04400d) Equinox: J2000			Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinate is shifted to cover more GAIA stars.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Protoplanetary disks, Protostars]</i></p>										
Acquisition	NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
Template	NIRSpec MultiObject Spectroscopy					NIRCam Imaging					
	TA Method: MSATA HFF Readout Mode: false Obtain Confirmation Images: No Science Aperture: MSA Center Primary Candidate List: null Filler Candidate List: null Spectral Overlap Map: jwst-nirspec-mr Spectral Overlap Threshold: 1.5					Module: ALL Subarray: FULL					
Reference Stars											
Dithers	#	Dither Type									
	1	NONE									

Proposal 5552 - Observation 10 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject Spectroscopy	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
1		1 (G395M/F290LP)	PA = 0 deg	3 Shutter Slitlet	277.525 Degrees - 2.04399999999999 827 Degrees	238.1850597			3	15	10066.334
2		2 (G235M/F170LP)	PA = 0 deg	3 Shutter Slitlet	277.525 Degrees - 2.04399999999999 827 Degrees	238.1850597			3	3	2232.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
1		F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9	
2		F187N	F323N+F322W2	MEDIUM2	6	1	3	3	1674.936	144599.8	
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 238.1851 to 238.1851 Degrees (V3 99.61049 to 99.61049) 10 After 22 by 80 Days to 365 Days										

Proposal 5552 - Observation 11 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 11: IRAS 4A -NIRSpec-MOS Diagnostic Status: Error Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging																																
	(IRAS 4A -NIRSpec-MOS (Obs 11)) Error (Form): This observation was created with an Aperture PA of 0.0000 but it has been assigned an Aperture PA of 32.2577 (Aperture PA) Error (Form): This observation was created with an Aperture PA of 0.0000 but it has been assigned an Aperture PA of 32.2577 (Visit 11:1) Error (Form): Reference stars are required but none were found for this visit (Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																
Diagnosics																																	
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>JCC87-IRAS-4A</td> <td>RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <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, Protostars]</i></p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(3)	JCC87-IRAS-4A	RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) Equinox: J2000	Epoch of Position: 2000													
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																												
(3)	JCC87-IRAS-4A	RA: 03 29 10.4320 (52.2934667d) Dec: +31 13 32.12 (31.22559d) Equinox: J2000	Epoch of Position: 2000																														
Acquisition	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
	NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																						
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Proposal 5552 - Observation 11 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject Spectroscopy	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
1		1 (G395M/F290LP)	PA = 0 deg	3 Shutter Slitlet	52.293466666666 67 Degrees 31.225588888888 886 Degrees	32.2576597			3	15	10066.334
2		2 (G235M/F170LP)	PA = 0 deg	3 Shutter Slitlet	52.293466666666 67 Degrees 31.225588888888 886 Degrees	32.2576597			3	3	2232.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9	
2	F187N	F323N+F322W2	MEDIUM2	6	1	3	3	1674.936	144599.8		
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 32.2577 to 32.2577 Degrees (V3 253.68309 to 253.68309) 11 After 21 by 80 Days to 365 Days										

Proposal 5552 - Observation 12 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 12: EMB11-p00-10x10r005-cnt12391 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCам Imaging																																																												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(16)</td> <td>EMB11_MSАcat_12Feb2025</td> <td>RA: 18 29 8.6135 (277.2858896d) Dec: +00 29 57.03 (.49917d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> Comments: Description=[]											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(16)	EMB11_MSАcat_12Feb2025	RA: 18 29 8.6135 (277.2858896d) Dec: +00 29 57.03 (.49917d) Equinox: J2000																																										
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	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude																																																			
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1	NONE																																																												

Proposal 5552 - Observation 12 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	NIRSpec MultiObject Spectroscopy							Confirmation Type		Conf. Readout Pattern		Conf. Groups/Int		Conf. Integrations/Exp		Conf. Total Integrations		Conf. Total Exposure Time	
	1							After Target Acq		NRSIRS2RAPID		8		1		1		131.3	
Spectral Elements	NIRSpec MultiObject Spectroscopy	Exposure Specification		MSA Configuration	Nod Pattern	Pointing		Aperture PA		Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time					
	1	1 (G395M/F290LP)		c1-manual	3 Shutter Slitlet	277.275378333333 33 Degrees 0.521513333333 334 Degrees		42.004826271989 14				3	15	10066.334					
	2	2 (G235M/F170LP)		c1-manual	3 Shutter Slitlet	277.275378333333 33 Degrees 0.521513333333 334 Degrees		42.004826271989 14				3	3	2232.1					
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter		Readout Pattern	Groups/Int	Integrations/Exp		Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID							
	1	F212N	F470N+F444W		MEDIUM2	6	5		15	3	8503.522	144599.9							
	2	F187N	F323N+F322W2		MEDIUM2	6	1		3	3	1674.936	144599.8							
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 42.0049 to 42.0049 Degrees (V3 263.4303 to 263.4303)																		
	12 After 4 by 80 Days to <None specified>																		

Proposal 5552 - Observation 13 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 13: SMM1a-p00-10x10r005-cnt3002 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging																																																												
	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(14)</td> <td>SMM1a_MSACat_21Jan2025</td> <td>RA: 18 29 49.2300 (277.4551250d) Dec: +01 15 21.74 (1.25604d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> Comments: Description=[]											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(14)	SMM1a_MSACat_21Jan2025	RA: 18 29 49.2300 (277.4551250d) Dec: +01 15 21.74 (1.25604d) Equinox: J2000																																										
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Proposal 5552 - Observation 13 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	NIRSpec MultiObject Spectroscopy							Confirmation Type		Conf. Readout Pattern		Conf. Groups/Int		Conf. Integrations/Exp		Conf. Total Integrations		Conf. Total Exposure Time	
	1							After Target Acq		NRSIRS2RAPID		8		1		1		131.3	
Spectral Elements	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time								
	1	1 (G395M/F290LP)	c1-manual_v2	3 Shutter Slitlet	277.472161125 Degrees 1.2564680555555 556 Degrees	42.170980361421 556			3	15	10066.334								
2	2 (G235M/F170LP)	c1-manual_v2	3 Shutter Slitlet	277.472161125 Degrees 1.2564680555555 556 Degrees	42.170980361421 556			3	3	2232.1									
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID									
	1	F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9									
2	F187N	F323N+F322W2	MEDIUM2	6	1	3	3	3	1674.936	144599.8									
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 42.1706 to 42.1706 Degrees (V3 263.59604 to 263.59604) 13 After 5 by 80 Days to <None specified>																		

Proposal 5552 - Observation 14 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 14: BHR71-p01-20x20r01-cnt15827-noweights Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCам Imaging																																																												
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
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Proposal 5552 - Observation 14 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	NIRSpec MultiObject Spectroscopy							Confirmation Type		Conf. Readout Pattern		Conf. Groups/Int		Conf. Integrations/Exp		Conf. Total Integrations		Conf. Total Exposure Time	
	1							After Target Acq		NRSIRS2RAPID		8		1		1		131.3	
Spectral Elements	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time								
	1	1 (G395M/F290LP)	c1-manual	3 Shutter Slitlet	180.42254558333 335 Degrees - 65.1617 Degrees	275.83803834411 606			3	15	10066.334								
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Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID									
	1	F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9									
	2	F187N	F323N+F322W2	MEDIUM2	6	1	3	3	1674.936	144599.8									
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 275.8586 to 275.8586 Degrees (V3 137.284 to 137.284)																		

Proposal 5552 - Observation 15 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 15: HOPS108-p00-20x20r005-cnt1884 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCам Imaging																																																												
	(HOPS108-p00-20x20r005-cnt1884 (Obs 15)) Warning (Form): Config c1-manual (#1) has 1 primary slit traces affected by failed open shutters. (HOPS108-p00-20x20r005-cnt1884 (Obs 15)) Warning (Form): Config c1-manual (#2) has 1 primary slit traces affected by failed open shutters. (Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
Diagnosics																																																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>HOPS108_MSAcat_13Dec2024</td> <td>RA: 05 35 25.8969 (83.8579038d) Dec: -05 09 31.30 (-5.15869d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(13)	HOPS108_MSAcat_13Dec2024	RA: 05 35 25.8969 (83.8579038d) Dec: -05 09 31.30 (-5.15869d) Equinox: J2000																																										
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Comments: Description=[]																																																													
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Proposal 5552 - Observation 15 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	NIRSpec MultiObject Spectroscopy							Confirmation Type		Conf. Readout Pattern		Conf. Groups/Int		Conf. Integrations/Exp		Conf. Total Integrations		Conf. Total Exposure Time				
	1							After Target Acq		NRSIRS2RAPID		8		1		1		131.3				
Spectral Elements	NIRSpec MultiObject Spectroscopy		Exposure Specification		MSA Configuration		Nod Pattern		Pointing		Aperture PA		Dispersion Offset (Shutters)		Cross-Dispersion Offset (Shutters)		Total Dithers		Total Integrations		Total Exposure Time	
	1		1 (G395M/F290LP)		c1-manual		3 Shutter Slitlet		83.86345175 Degrees - 5.187607222221 98 Degrees		203.88447703893 505						3		15		10066.334	
2		2 (G235M/F170LP)		c1-manual		3 Shutter Slitlet		83.86345175 Degrees - 5.187607222221 98 Degrees		203.88447703893 505						3		3		2232.1		
Spectral Elements	NIRCam Imaging		Short Filter		Long Filter		Readout Pattern		Groups/Int		Integrations/Exp		Total Integrations		Total Dithers		Total Exposure Time		Optional ETC ID			
	1		F212N		F470N+F444W		MEDIUM2		6		5		15		3		8503.522		144599.9			
2		F187N		F323N+F322W2		MEDIUM2		6		1		3		3		1674.936		144599.8				
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 203.8849 to 203.8849 Degrees (V3 65.31035 to 65.31035) 15 After 7 by 80 Days to <None specified>																					

Proposal 5552 - Observation 16 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Sat Feb 07 01:01:01 GMT 2026

Observation	Proposal 5552, Observation 16: HOPS373-p11-10x10r005-cnt57-sos Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCам Imaging																																																												
	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
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Proposal 5552 - Observation 16 - Mapping the distribution of ices in the host environments of protostellar hot corinos

Confirmation	Confirmation Type							Conf. Total Integrations		Conf. Total Exposure Time	
	NIRSpec MultiObject Spectroscopy	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time				
1	After Target Acq	NRSIRS2RAPID	8	1	1	131.3					
Spectral Elements	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
	1	1 (G395M/F290LP)	c1-manually-modified2	3 Shutter Slitlet	86.633458666666 67 Degrees - 0.059647777777 9773 Degrees	206.40556171192 463			3	15	10066.334
2	2 (G235M/F170LP)	c1-manually-modified2	3 Shutter Slitlet	86.633458666666 67 Degrees - 0.059647777777 9773 Degrees	206.40556171192 463			3	3	2232.1	
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F212N	F470N+F444W	MEDIUM2	6	5	15	3	8503.522	144599.9	
2	F187N	F323N+F322W2	MEDIUM2	6	1	3	3	3	1674.936	144599.8	
Special Requirements	<p>No Parallel Attachments MSA Scheduled Aperture PA 206.4056 to 206.4056 Degrees (V3 67.831 to 67.831)</p> <p>16 After 8 by 80 Days to <None specified></p>										