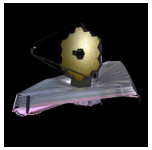

1187 - Extinction Mapping of Pre-stellar Cores

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

Name	*Institution*
Dr. Klaus Werner Hodapp (PI)	**University of Hawaii**
Dr. Marcia J. Rieke (CoI)	University of Arizona
Dr. Thomas P. Greene (CoI)	NASA Ames Research Center
Dr. Laurie E Chu (CoI)	NASA Ames Research Center
Dr. Abraham C. Boogert (CoI)	University of Hawaii
Prof. Michael R. Meyer (CoI)	University of Michigan
Dr. Eiichi Egami (CoI)	University of Arizona

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
B335				
	11	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
	12	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
	13	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
	14	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
	15	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
	65	B335	NIRCam Wide Field Slitless Spectroscopy	(1) LDN-663
LDN 694-2				
	21	LDN 694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694
	22	LDN694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694
	23	LDN 694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694
	73	LDN 694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694
	24	LDN 694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	25	LDN 694-2	NIRCam Wide Field Slitless Spectroscopy	(2) LDN-694
B68				
	31	B68	NIRCam Wide Field Slitless Spectroscopy	(3) LDN-57
	32	B68	NIRCam Wide Field Slitless Spectroscopy	(3) LDN-57
	33	B68	NIRCam Wide Field Slitless Spectroscopy	(3) LDN-57
	34	B68	NIRCam Wide Field Slitless Spectroscopy	(3) LDN-57
	35	B68	NIRCam Wide Field Slitless Spectroscopy	(3) LDN-57

ABSTRACT

This project is aimed at studying the evolution of ice mantles on dust grains during the process of molecular core collapse and early protostellar evolution.

We will use the NIRCam grism mode to obtain spectra of background stars behind the target molecular cores in the wavelength range covering the absorption features of
molecular cloud H2O, CH3OH, CO2 , XCN, and CO ices.

In order to cover the full spectral range, we will use 6 different wide and medium filters in conjunction with the grism. We will obtain a few hundred spectra per target core,
an order-of-magnitude improvement over existing studies. Our data will also contain regions of feature-free continuum extinction,
which will allow to distinguish the effects of continuum extinction from ice feature absorption.
These data will be the basis for future detailed comparisons with theoretical and laboratory models of ice mantle formation and grain surface chemistry.
We will also obtain very deep continuum images with parallel observations with the short-wave channel of NIRCam for detailed mapping of the continuum extinction and studies of the core-shine in the target molecular cores.

We are aware that the recommended procedure for NIRCam slitless spectroscopy is to use both grism orientations so that spectrum overlap can be resolved.
For our project, using both grism orientations would exceed the allocated time. We have run simulation with axesim and actual deep images of our fields plus

a model faint object distribution of the fraction of overlapping spectra, and are convinced that the better strategy for obtaining the maximum number of
reducable spectra is to do deep observations in one grism orientation only. There will be a small fraction of spectra with unrecoverable spectrum overlap,
but this loss is acceptable. Our goal is not completeness, but maximum source density.

In the latest version of this project, we have changed to using NIRCam module A for the primary science target, and module B for the reference star field.

We are using GRISMC only so that we get complete spectral coverage on the reference star field in module B with the same mosaic pattern.
For the two shortest and widest filters (F277W and F356W) we use a new mosaic pattern and use two distinct PA angles to diversify the overlap conditions for those long spectra. For the medium filters F4*M, this technique is not as necessary, and in any case, we don't have the observing time for another PA in those filters.

20220628: We have changed the direct imaging filter for the F277W grism observations to filter F277W and F300N. We have added integrations in F444W to reach a similar
depth as originally planned. We have changed to the BRIGHT2 readout pattern for the grism observations, with 7 or 8 groups, as allocated time allowed.

20220822: A problem with the mosaic definition for observation #25 was corrected.

20230301: We added a mosaic pointing for the F410M, F430M, F460M, and F480M grism exposures in observation 15, and cut down on direct imaging in F277W

OBSERVING DESCRIPTION
TBD

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0. *We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0* *Category=ISM* *Description=[Dark interstellar clouds, Dense interstellar clouds]* *Extended=YES*				
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Position was adjusted to optimally cover the center of the molecular core.* *Category=ISM* *Description=[Dark interstellar clouds, Dense interstellar clouds]* *Extended=YES*				
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Position was when optimized to center densest region on module A.* *Best position is 17 22 40.0 -23 49 20.0* *Category=ISM* *Description=[Dark interstellar clouds, Dense interstellar clouds]*				

Observation

Proposal 1187, Observation 11: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 11)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 11:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 11:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	0.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F277W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Aperture PA Range 255 to 260 Degrees (V3 255.0 to 260.0) Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 12 from 11 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 11, 13, 15 Same Aperture PA 11, 13, 65

Observation

Proposal 1187, Observation 12: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 12)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 12:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 12:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F300M	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F300M	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 12 from 11 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 13: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 13)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 13:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F300M	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F300M	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Aperture PA Range 255 to 260 Degrees (V3 255.0 to 260.0) Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 14 from 13 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 11, 13, 15 Same Aperture PA 11, 13, 65

Observation

Proposal 1187, Observation 14: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 14)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 14:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 14 from 13 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 15: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 15)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 15:1) Warning (Form): Data Excess over lower threshold

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

(Visit 15:2) Warning (Form): Data Excess over lower threshold

(Visit 15:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	2	62.4	98.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		NONE

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
2	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
3	F090W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1
4	F150W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F115W	F410M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
2	F150W	F430M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
3	F150W	F460M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
4	F200W	F480M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
5	F150W	F444W	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements

Group Visits within 53.0 Days
Aperture PA Range 255 to 260 Degrees (V3 255.0 to 260.0)
Visits Same PA
Offset -82.0 arcsec, 0.0 arcsec

Same Aperture PA 11, 13, 15

Observation

Proposal 1187, Observation 65: B335

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B335 (Obs 65)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 65:1) Warning (Form): Data Excess over lower threshold

(Visit 65:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 65:2) Warning (Form): Data Excess over lower threshold

(Visit 65:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 65:1) 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.

(Visit 65:2) Informational (Form): Visit schedulable, but most scheduling windows are when JWST is pointed in direction of greatest micrometeoroid impact risk. This is likely due to scheduling special requirements.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LDN-663	RA: 19 37 0.0000 (294.2500000d) Dec: +07 34 7.00 (7.56861d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database at original position 19 37 01.5, +07 34 15.0.
We then moved the target position in Aladin to 19 37 0.50, +07 34 10.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	2	62.4	98.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		NONE

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
2	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
3	F090W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1
4	F150W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F115W	F410M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
2	F150W	F430M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
3	F150W	F460M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
4	F200W	F480M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
5	F150W	F444W	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements

Group Visits within 53.0 Days
Aperture PA Range 255 to 260 Degrees (V3 255.0 to 260.0)
Visits Same PA
Offset -82.0 arcsec, 0.0 arcsec

Same Aperture PA 11, 13, 65

Observation

Proposal 1187, Observation 21: LDN 694-2 Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN 694-2 (Obs 21)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 21:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 21:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F277W	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 22 from 21 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 21, 23, 25

Observation

Proposal 1187, Observation 22: LDN694-2

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN694-2 (Obs 22)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 22:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 22:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F300M	BRIGHT2	4	3	3	279.156		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F300M	BRIGHT2	4	3	6	558.312			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 22 from 21 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 23: LDN 694-2

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN 694-2 (Obs 23)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 23:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 24 from 23 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 21, 23, 25

Observation

Proposal 1187, Observation 73: LDN 694-2

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN 694-2 (Obs 73)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 73:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 73:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec

Observation

Proposal 1187, Observation 24: LDN 694-2

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN 694-2 (Obs 24)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 24:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 24 from 23 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 25: LDN 694-2

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(LDN 694-2 (Obs 25)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 25:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	LDN-694	RA: 19 41 5.0000 (295.2708333d) Dec: +10 57 20.00 (10.95556d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was adjusted to optimally cover the center of the molecular core.
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]
Extended=YES

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		NONE

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
2	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
3	F090W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1
4	F150W	F444W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F115W	F410M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
2	F150W	F430M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
3	F150W	F460M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
4	F200W	F480M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
5	F150W	F444W	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 0.0 arcsec Same Aperture PA 21, 23, 25

Observation

Proposal 1187, Observation 31: B68

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B68 (Obs 31)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 31:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 31:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was when optimized to center densest region on module A.
Best position is 17 22 40.0 -23 49 20.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	0.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	4	2	2	182.525		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F277W	BRIGHT2	4	2	4	365.05			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 32 from 31 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 31, 33, 35

Observation

Proposal 1187, Observation 32: B68

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B68 (Obs 32)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 32:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 32:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was when optimized to center densest region on module A.
Best position is 17 22 40.0 -23 49 20.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	75.0	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F300M	BRIGHT2	4	3	3	279.156		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F070W	F277W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F070W	F300M	BRIGHT2	4	3	6	558.312			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 90.0 arcsec Aperture PA Offset 32 from 31 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 33: B68

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B68 (Obs 33)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 33:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was when optimized to center densest region on module A.
Best position is 17 22 40.0 -23 49 20.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 34 from 33 by 3 to 5 Degrees (Same offsets in V3) Same Aperture PA 31, 33, 35

Observation

Proposal 1187, Observation 34: B68

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B68 (Obs 34)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 34:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was when optimized to center densest region on module A.
Best position is 17 22 40.0 -23 49 20.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
2	1	62.4	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		4-Point

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	7	1	4	601.259		GRISMC	Grism (Long Wavelength)	4
2	F090W	F356W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 60.0 arcsec Aperture PA Offset 34 from 33 by 3 to 5 Degrees (Same offsets in V3)

Observation

Proposal 1187, Observation 35: B68

Wed Aug 23 21:00:37 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Wide Field Slitless Spectroscopy

Diagnostics

(B68 (Obs 35)) Warning (Form): Use of only one of GRISMR or GRISMC may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 35:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 35:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	LDN-57	RA: 17 22 40.0000 (260.6666667d) Dec: -23 49 20.00 (-23.82222d) Equinox: J2000		

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Position was when optimized to center densest region on module A.
Best position is 17 22 40.0 -23 49 20.0
Category=ISM
Description=[Dark interstellar clouds, Dense interstellar clouds]

Template

Module	Subarray	Grism (Long Wavelength)
ALL	FULL	GRISMC

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
3	1	62.4	100.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Positions
1	NONE		NONE

Direct Image

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
2	F090W	F356W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
3	F090W	F444W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1
4	F150W	F444W	BRIGHT2	4	1	1	85.894		GRISMC	Direct Image	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Grism (Long Wavelength)	Exposure Type	Total Dithers
1	F115W	F410M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
2	F150W	F430M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
3	F150W	F460M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
4	F200W	F480M	BRIGHT2	8	1	1	171.788		GRISMC	Grism (Long Wavelength)	1
5	F150W	F444W	BRIGHT2	4	1	2	171.788			Out of Field	2

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -82.0 arcsec, 0.0 arcsec Same Aperture PA 31, 33, 35