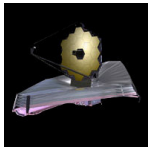

1550 - NIRCam Subarray Photometric Transfer

Cycle: 1, Proposal Category: CAL/NIRCAM

INVESTIGATORS

Name	*Institution*
Dr. Martha L. Boyer (PI)	**Space Telescope Science Institute**

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Coronagraphy				
	1	FULL/SWB - Module A	NIRCam Coronagraphic Imaging	(4) 2MASS05214330-6927498-OFFSET
	2	SUB640/SWB Module A	NIRCam Coronagraphic Imaging	(4) 2MASS05214330-6927498-OFFSET
	3	FULL/LWB - Module A	NIRCam Coronagraphic Imaging	(4) 2MASS05214330-6927498-OFFSET
	4	SUB400x256/LWB - Module A	NIRCam Coronagraphic Imaging	(4) 2MASS05214330-6927498-OFFSET
Imaging				
	5	SUB160 Module B	NIRCam Imaging	(3) 2MASS05214330-6927498
	6	SUB320 Module B	NIRCam Imaging	(3) 2MASS05214330-6927498
	7	SUB640 Module B	NIRCam Imaging	(3) 2MASS05214330-6927498
	8	SUB64P Module A	NIRCam Engineering Imaging	(3) 2MASS05214330-6927498
Grism				
	9	FULL Nout=4, IMG	NIRCam Engineering Imaging	(3) 2MASS05214330-6927498
	10	SUBGRISM256 Nout=4, IMG	NIRCam Engineering Imaging	(3) 2MASS05214330-6927498
	11	SUBGRISM128 Nout=4, IMG	NIRCam Engineering Imaging	(3) 2MASS05214330-6927498

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	12	SUBGRISM64 Nout=4, IMG	NIRCam Engineering Imaging	(3) 2MASS05214330-6927498
	28	SUBGRISM128 Nout=1, GRISMTS	NIRCam Grism Time Series	(5) P330E
	29	SUBGRISM128 Nout=4, GRISMTS	NIRCam Grism Time Series	(5) P330E

ABSTRACT

A well-characterized target within the LMC field will be placed on each subarray and each full-frame SCA to measure any count-rate differences between these different read-out modes. Every aperture (subarray and full) used for science or calibration must be assessed; this program includes only those that are not assessed in other Commissioning or Cycle 1 Calibration programs.

This calibration program is provisional and may change in response to system developments and the final science program.

OBSERVING DESCRIPTION

Includes FULL-to-Subarray flux transfers, including all subarrays used for science and flux calibration. Additional Module-to-Module and SCA-to-SCA are done in Commissioning.

COM-NRC-29 includes:
Module-to-Module,
SCA-to-SCA (both modules)
FULL-to-SUB*P

COM-NRC-21 includes:
Module-to-Module
SCA-to-SCA (both modules)
NRC_ALL-to-SUB160 (module B)

COM-NRC-32 includes:
GRISM NRC_ALL-to-SUBGRISM*

COM-NRC-21b includes:
Coronagraph FULL_A2-FULL_A4

Absflux Cycle 1 program includes:
Coronagraph SUB640-to-SUB640 (all SW masks)
Coronagraph SUB320-to-SUB320 (all LW masks)

This program includes:
Coronagraph NRCA_ALL-to-SUB640 (one SW mask)
Coronagraph NRCA_ALL-to-SUB320 (one LW mask) --> switched to SUB400x256 for SW+LW coronagraphy
Imaging SUB160-to-SUB* (all module B extended source subarrays)
Imaging SUB160-to SUB64P (module A)
Imaging SUB160[modB]-to-SUB160[modA] (module A)
Grism TS FULL-to-SUBGRISM* (moduleA)
Grism TS Nout1-to-Nout4 (on SUBGRISM128 only)

TIMING CONSTRAINTS: Group all of the observations in a non-interruptible sequence to avoid issues with variability. The Nout=1 to Nout=4 obs on SUBGRISM128 are tied in a separate non-inerruptible sequence.

TARGET CONSIDERATIONS: We might consider changing the target if the star chosen does not fall on the Astrometric obs due to unfavorable position angle. A target change might require additional observations since the target used here is used for flux transfers in other CAL/COM programs.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d) Dec: -69 27 49.94 (-69.46387d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	
Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21. This target has K~15.2 from 2MASS. In the LMC field Category=Calibration Description=[G stars, Photometric] Extended=NO				
(4)	2MASS05214330-6927498-OFFSET	RA: 05 21 44.4881 (80.4353671d) Dec: -69 27 50.25 (-69.46396d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	
Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21. This target has K~15.2 from 2MASS. In the LMC field About 5" offset Category=Calibration Description=[G stars, Photometric] Extended=NO				
(5)	P330E	RA: 16 31 33.8125 (247.8908854d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000	Proper Motion RA: -8.991 mas/yr Proper Motion Dec: -38.768 mas/yr Parallax: 0.002177" Epoch of Position: 2000.0	
Comments: Coordinates from Gaia DR2 Category=Star Description=[G dwarfs] Extended=NO				

Observation

Proposal 1550, Observation 1: FULL/SWB - Module A

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	2MASS05214330-6927498-OFFSET	RA: 05 21 44.4881 (80.4353671d) Dec: -69 27 50.25 (-69.46396d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field

About 5" offset
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Acquisition

#	Target
1	NONE

Template

Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASKSWB	false	FULL	3-POINT-BAR

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F444W	RAPID	7	1	3	3	225.472	

PSF References

Additional Justification: true

Special Requirements	
	No Parallel Attachments Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 2: SUB640/SWB Module A Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	2MASS05214330-6927498-OFFSET	RA: 05 21 44.4881 (80.4353671d) Dec: -69 27 50.25 (-69.46396d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field

About 5" offset
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Acquisition

#	Target
1	NONE

Template

Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASKSWB	false	SUB640ASWB	3-POINT-BAR

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F444W	BRIGHT2	9	1	3	3	238.654	

PSF References

Additional Justification: true

Special Requirements	
	No Parallel Attachments Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 3: FULL/LWB - Module A

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	2MASS05214330-6927498-OFFSET	RA: 05 21 44.4881 (80.4353671d) Dec: -69 27 50.25 (-69.46396d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field

About 5" offset
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Acquisition

#	Target
1	NONE

Template

Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASKLWB	false	FULL	3-POINT-BAR

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F444W	RAPID	8	2	3	6	547.575	

PSF References

Additional Justification: true

Special Requirements	
	No Parallel Attachments Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 4: SUB400x256/LWB - Module A Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	2MASS05214330-6927498-OFFSET	RA: 05 21 44.4881 (80.4353671d) Dec: -69 27 50.25 (-69.46396d) Equinox: J2000	Proper Motion RA: 1.9 mas/yr Proper Motion Dec: 0.64 mas/yr Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field

About 5" offset
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Acquisition

#	Target
1	NONE

Template

Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASKLWB	false	SUB400X256ALWB	3-POINT-BAR

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F444W	DEEP2	9	1	3	3	519.849	

PSF References

Additional Justification: true

Special Requirements	
	No Parallel Attachments Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 5: SUB160 Module B

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Doesn't need a mosaic b/c that's done in COM-NRC-21

Diagnostics

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray	Target Placement
B	SUB160	Module Gap

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F356W	BRIGHT2	10	1	2	2	11.713	

Special Requirements

Offset -4.197736614128969 arcsec, -3.7960128637561037 arcsec

Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 6: SUB320 Module B

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray	Target Placement
B	SUB320	Module Gap

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEBOX	4	STANDARD		2

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F356W	RAPID	5	1	8	8	51.478	

Special Requirements

Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 7: SUB640 Module B

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray	Target Placement
B	SUB640	Module Gap

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEBOX	4	STANDARD		2

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F200W	F356W	RAPID	3	1	8	8	134.111	

Special Requirements

Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 8: SUB64P Module A Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Diagnostics

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray
A	SUB64P

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	CLEAR	F200W	F356W	MEDIUM8	11	1	2	2	10.94	

Special Requirements

Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 9: FULL Nout=4, IMG

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Diagnostics

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray
A	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	CLEAR	F200W	F356W	RAPID	5	1	2	2	107.368	

Special Requirements

Offset -35.53545833282658 arcsec, -37.71867444342396 arcsec

Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 10: SUBGRISM256 Nout=4, IMG Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Diagnostics

(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 10:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray
A	SUBGRISM256

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
1	2	10.0	50.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	CLEAR	F200W	F356W	RAPID	5	1	2	2	63.819	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -32.17095356266274 arcsec, 1.2350964382044232 arcsec Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 11: SUBGRISM128 Nout=4, IMG Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Diagnostics

(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.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray
A	SUBGRISM128

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
1	2	10.0	50.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	CLEAR	F200W	F356W	RAPID	10	1	2	2	58.926	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -32.17095356266274 arcsec, 1.2350964382044232 arcsec Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 12: SUBGRISM64 Nout=4, IMG Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Diagnostics

(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.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	2MASS05214330-6927498	RA: 05 21 43.3100 (80.4304583d)	Proper Motion RA: 1.9 mas/yr	
		Dec: -69 27 49.94 (-69.46387d)	Proper Motion Dec: 0.64 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: Coordinates and PM are from are from GAIA DR2 updated by ES on 2019-06-21.
This target has K~15.2 from 2MASS.

In the LMC field
Category=Calibration
Description=[G stars, Photometric]
Extended=NO

Template

Module	Subarray
A	SUBGRISM64

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order
1	2	10.0	50.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		2

Spectral Elements

#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	CLEAR	F200W	F356W	RAPID	10	2	4	2	59.843	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset -32.16796075880004 arcsec, 1.9944905409091516 arcsec Group Observations 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Non-interruptible

Observation

Proposal 1550, Observation 28: SUBGRISM128 Nout=1, GRISMTS Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Grism Time Series

Diagnostics

(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	P330E	RA: 16 31 33.8125 (247.8908854d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000	Proper Motion RA: -8.991 mas/yr Proper Motion Dec: -38.768 mas/yr Parallax: 0.002177" Epoch of Position: 2000.0	

Comments: Coordinates from Gaia DR2
Category=Star
Description=[G dwarfs]
Extended=NO

Acquisition

#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SUB32TATSGRISM	F335M	RAPID	9	1	1	0.152	100112

Template

Subarray	No. of Output Channels
SUBGRISM128	1

Spectral Elements

#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	WLP8+F210M	GRISMR+F356W	RAPID	10	2	1	2	58.926	

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 28, 29, Non-interruptible

Observation

Proposal 1550, Observation 29: SUBGRISM128 Nout=4, GRISMTS

Fri May 26 19:00:55 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Grism Time Series

Diagnostics

(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	P330E	RA: 16 31 33.8125 (247.8908854d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000	Proper Motion RA: -8.991 mas/yr Proper Motion Dec: -38.768 mas/yr Parallax: 0.002177" Epoch of Position: 2000.0	

Comments: Coordinates from Gaia DR2
Category=Star
Description=[G dwarfs]
Extended=NO

Acquisition

#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SUB32TATSGRISM	F335M	RAPID	9	1	1	0.152	100112

Template

Subarray	No. of Output Channels
SUBGRISM128	4

Spectral Elements

#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	WLP8+F210M	GRISMR+F356W	RAPID	10	3	1	3	22.322	

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 28, 29, Non-interruptible