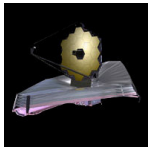

1208 - CANUCS: The CAnadian NIRISS Unbiased Cluster Survey

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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Dr. Camilla Pacifici (CoI) (US Admin CoI)	Space Telescope Science Institute
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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Abell370 NIRISS Prime				
	20	NIRISS Abell370 part 1	NIRISS Wide Field Slitless Spectroscopy	(1) ABELL370

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	21	NIRISS Abell370 part 2	NIRISS Wide Field Slitless Spectroscopy	(1) ABELL370
	22	NIRISS Abell370 part 3	NIRISS Wide Field Slitless Spectroscopy	(1) ABELL370
MACSJ0416 NIRISS Prime				
	23	NIRISS MACSJ0416 part 1	NIRISS Wide Field Slitless Spectroscopy	(2) MACSJ0416.1-2403
	24	NIRISS MACSJ0416 part 2	NIRISS Wide Field Slitless Spectroscopy	(2) MACSJ0416.1-2403
	25	NIRISS MACSJ0416 part 3	NIRISS Wide Field Slitless Spectroscopy	(2) MACSJ0416.1-2403
MACSJ0417 NIRISS Prime				
	26	NIRISS MACSJ0417 part 1	NIRISS Wide Field Slitless Spectroscopy	(3) MACSJ0417.5-1154
	27	NIRISS MACSJ0417 part 2	NIRISS Wide Field Slitless Spectroscopy	(3) MACSJ0417.5-1154
	28	NIRISS MACSJ0417 part 3	NIRISS Wide Field Slitless Spectroscopy	(3) MACSJ0417.5-1154
MACSJ1149 NIRISS Prime				
	29	NIRISS MACSJ1149 part 1	NIRISS Wide Field Slitless Spectroscopy	(4) MACSJ1149+2223
	30	NIRISS MACSJ1149 part 2	NIRISS Wide Field Slitless Spectroscopy	(4) MACSJ1149+2223
	31	NIRISS MACSJ1149 part 3	NIRISS Wide Field Slitless Spectroscopy	(4) MACSJ1149+2223
MACSJ1423 NIRISS Prime				
	32	NIRISS MACSJ1423 part 1	NIRISS Wide Field Slitless Spectroscopy	(5) MACSJ1423.8+2404
	33	NIRISS MACSJ1423 part 2	NIRISS Wide Field Slitless Spectroscopy	(5) MACSJ1423.8+2404
	34	NIRISS MACSJ1423 part 3	NIRISS Wide Field Slitless Spectroscopy	(5) MACSJ1423.8+2404
Abell370 NIRCam Prime				
	2	NIRCam Abell370	NIRCam Imaging	(1) ABELL370
MACSJ0416 NIRCam Prime				
	4	NIRCam MACSJ0416	NIRCam Imaging	(2) MACSJ0416.1-2403

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
MACSJ0417 NIRCam Prime				
	6	NIRCam MACSJ0417	NIRCam Imaging	(3) MACSJ0417.5-1154
MACSJ1149 NIRCam Prime				
	8	NIRCam MACSJ1149	NIRCam Imaging	(4) MACSJ1149+2223
MACSJ1423 NIRCam Prime				
	10	NIRCam MACSJ1423	NIRCam Imaging	(5) MACSJ1423.8+2404
Abell 370 NIRSpec				
	46	a370 plan 1, a370 plan 2, a370 plan 3	NIRSpec MultiObject Spectroscopy	(69) a370_clu_nirspec_targets_v1
MACSJ0416 NIRSpec				
	47	M0416 Plan 1, M0416 Plan 2, M0416 Plan 3	NIRSpec MultiObject Spectroscopy	(68) macs0416_clu_nirspec_targets_v1
MACSJ0417 NIRSpec				
	48	config 1, config 2	NIRSpec MultiObject Spectroscopy	(65) MACS0417-CLU-NIRSPEC-TARGETS-V0
	64	config 3	NIRSpec MultiObject Spectroscopy	(66) MACS0417-NCF-NIRSPEC-TARGETS-V0
MACSJ1149 NIRSpec				
	49	M1149_p1, M1149_p2, M1149_p3	NIRSpec MultiObject Spectroscopy	(70) macs1149_clu_nirspec_targets_v1
MACSJ1423 NIRSpec				
	50	Plan 5 3 configs	NIRSpec MultiObject Spectroscopy	(67) macs1423_clu_nirspec_targets_v1
MACSJ0416 NIRSpec IFU				
	62	IFU observation of MACSJ0416-Y1	NIRSpec IFU Spectroscopy	(62) MACSJ0416-Y1

ABSTRACT

CANUCS is a JWST spectroscopy and imaging survey of massive galaxy cluster and parallel fields using the NIRISS low-resolution grisms, NIRCam imaging and NIRSpec multi-object spectroscopy. The primary goal is to understand the evolution of low mass galaxies across cosmic time. The resolved emission line maps and line ratios for many galaxies, some at resolution of 100pc, will enable determining the spatial distribution of star formation, dust and metals. Other science goals include the detection and characterization of galaxies within the reionization epoch, using multiply-imaged lensed galaxies to constrain cluster mass distributions and dark matter substructure, and understanding star-formation suppression and morphological transformation in the most massive galaxy clusters. This APT file also contains a NIRSpec GTO team IFU observation of a star-

forming galaxy behind the cluster MACS J0416.1-2403.

OBSERVING DESCRIPTION

The CANUCS program has three distinct observations per target field:

1. NIRISS Wide-Field Slitless Spectroscopy (WFSS) on the cluster field with NIRCam Imaging on a parallel field.
Observations 20,21,22,23,24,25,26,27,28,29,30,31,32,33,34

Both grisms, GR150R and GR150C, are used with 3 filters, F115W, F150W and F200W. A large-sized 8 point dither pattern is executed for each grism+filter combination to carry out a deep slitless observation of the cluster core. A parallel field NIRCam survey is carried out using a range of W and M filters. The WFSS sequence with F115W+GR150R is split into two 4 point dither patterns with an offset to mimic the 8 point pattern, to allow two sets of NIRCam filters to be used in parallel for a total of 14 NIRCam filters. For MACSJ1149 only, the NIRISS grism exposures are split into Ng=14, Nint=2 to decrease saturation and persistence by bright stars.

2. NIRCam Imaging on the cluster field with NIRISS WFSS on a parallel field.
Observations 2,4,6,8,10

One NIRCam module is pointed slightly offset from the NIRISS cluster pointing, using a 6 point INTRAMODULEX dither pattern, to cover a field slightly larger than the NIRISS field to allow the detection of sources outside the NIRISS field whose dispersed spectra will fall on the NIRISS detector. The NIRISS WFSS parallels use the F115W filter with both grisms and the F150W and F200W with only one grism. We understand observing with one grism in these 2 filters will lead to a higher fraction of targets affected by spectral contamination.

3. NIRSpec Multi-Object R=100 Spectroscopy on the cluster field.
Observations 46,47,48,49,50

The NIRSpec multi-object spectroscopy of each field will be targeted with a combination of known sources from existing imaging (HST, MUSE, ALMA, Subaru, etc.) and from NIRCam pre-imaging obtained in this program (2. above). High-priority targets are galaxies for which NIRISS will not yield a redshift due to either contamination or a redshift with no emission lines in the NIRISS wavelength range ($5 < z < 7.3$) and very high-redshift and multiply-imaged lensed galaxies, some of which are already known based on existing imaging. The catalogs and MSA configurations in

this APT file are therefore just placeholders to be changed when the NIRCam pre-imaging is obtained and processed. A tiny catalog file is used for the MPT because of the slowness of loading MSA configurations from large catalogs. Larger catalogs of known sources are included in the APT file, but not used in these placeholder MSA configurations.

ORIENT, background and schedule constraints:

We require at least 60 days between the NIRCam pre-imaging and NIRSpec observations to allow for data processing, analysis and target selection. All five target fields have two visibility windows in the cycle. For some targets, orientation special requirements have been set to align the parallel fields with existing HST data. In some cases the NIRCam pre-imaging is only possible in the second visibility window of cycle 1, potentially meaning the NIRSpec followup slips into cycle 2. We understand that some cycle 1 observations will necessarily slip into cycle 2 for efficient scheduling.

Due to the equal fields-of-view of NIRISS and one NIRCam module, any rotation between the NIRCam and NIRISS prime observations of the cluster field will cause a gap in simultaneous coverage, which is bad for our science that requires data from both instruments. Therefore we request the NIRISS and NIRCam observations at the same ORIENT (we note observing them sequentially would also be efficient for telescope operations, but is not essential). There are ORIENT constraints on the NIRCam+NIRISS observations due to the elongation of the cluster, alignment of parallels with existing data and/or contamination by very bright stars that would affect data quality.

We have analysed whether the observations are background-limited and should require the setting of a "Background Limited" special requirement following the procedure outlined on JDOX. All of the NIRISS and NIRCam observations are background limited and we set this special requirement with a limit of "Background no more than 20% above minimum". The windows of observable dates for each pair of NIRCam+NIRISS observations are in the range 8 to 20 days.

For the NIRSpec MSA follow-up observations only the two fields near the ecliptic, Abell370 and MACSJ1149, require the setting of a "Background Limited" special requirement. In this case we opt for a limit of "Background no more than 40% above minimum" so that the visibility windows are not too small. There are no ORIENT constraints on the NIRSpec MSA observations.

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This APT file also contains a NIRSpec GTO Team IFU observation of a galaxy behind the MACS J0416.1-2403 cluster:
Observation 62

Target Y1 is a z = 8.3118 +/- 0.0003 galaxy

NIRSpec GTO IFU contact is Roberto Maiolino.

No TA is used as there are Gaia GS to obtain a pointing accurate enough for our purposes.
NRSIRS2RAPID is selected for the shorter prism observations for optimal identification and removal of cosmic rays.
NRSIRS2 is selected for the longer grating observations to ensure we do not exceed the allowed data rate.
The PA constraints are selected to avoid the MSA to fall on some bright stars and cluster galaxies.

Dither Cycling Medium 8 first positions
R2700 deep integrations (5h) in Band 3
R100 (1h) + 1 leakage position

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ABELL370	RA: 02 39 54.0850 (39.9753542d) Dec: -01 34 33.76 (-1.57604d) Equinox: J2000		
Comments: *Category=Clusters of Galaxies* *Description=[Abell clusters, Rich clusters]* *Extended=YES*				
(2)	MACSJ0416.1-2403	RA: 04 16 9.3700 (64.0390417d) Dec: -24 04 20.50 (-24.07236d) Equinox: J2000		
Comments: *Category=Clusters of Galaxies* *Description=[Rich clusters]* *Extended=YES*				
(3)	MACSJ0417.5-1154	RA: 04 17 35.1485 (64.3964521d) Dec: -11 54 38.44 (-11.91068d) Equinox: J2000		
Comments: *Category=Clusters of Galaxies* *Description=[Rich clusters]* *Extended=YES*				
(4)	MACSJ1149+2223	RA: 11 49 35.8500 (177.3993750d) Dec: +22 23 53.78 (22.39827d) Equinox: J2000		
Comments: *Category=Clusters of Galaxies* *Description=[Rich clusters]* *Extended=YES*				
(5)	MACSJ1423.8+2404	RA: 14 23 47.7800 (215.9490833d) Dec: +24 04 39.72 (24.07770d) Equinox: J2000		
Comments: *Category=Clusters of Galaxies* *Description=[Rich clusters]* *Extended=YES*				
(62)	MACSJ0416-Y1	RA: 04 16 9.4230 (64.0392625d) Dec: -24 05 35.50 (-24.09319d) Equinox: J2000		
Comments: Coordinates are from Tamura+19 for the ALMA 850-mu continum. This seems slightly shifted (by 0.15") with respect to the center of the HST F160W and ALMA [OIII]-88mu emission. *Category=Galaxy* *Description=[Lyman-alpha galaxies, Primordial galaxies]* *Extended=YES*				
(65)	MACS0417-CLU-NIRSPEC-TARGETS-V0	RA: 04 17 35.8089 (64.3992037d) Dec: -11 54 15.03 (-11.90418d) Equinox: J2000		
Comments: *Description=[]*				

(66)	MACS0417-NCF-NIRSPEC-TARGETS-V0	RA: 04 17 29.1233 (64.3713471d) Dec: -11 49 31.87 (-11.82552d) Equinox: J2000
Comments: *Description=[]*		
(67)	macs1423_clu_nirspec_targets_v1	RA: 14 23 46.9957 (215.9458154d) Dec: +24 05 1.23 (24.08367d) Equinox: J2000
Comments: *Description=[]*		
(68)	macs0416_clu_nirspec_targets_v1	RA: 04 16 11.0483 (64.0460346d) Dec: -24 04 38.22 (-24.07728d) Equinox: J2000
Comments: *Description=[]*		
(69)	a370_clu_nirspec_targets_v1	RA: 02 39 56.1444 (39.9839350d) Dec: -01 35 6.95 (-1.58526d) Equinox: J2000
Comments: *Description=[]*		
(70)	macs1149_clu_nirspec_targets_v1	RA: 11 49 34.1639 (177.3923496d) Dec: +22 23 24.05 (22.39001d) Equinox: J2000
Comments: *Description=[]*		

Observation

Proposal 1208, Observation 20: NIRISS Abell370 part 1 Mon Dec 18 19:01:08 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

(NIRISS Abell370 part 1 (Obs 20)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ABELL370	RA: 02 39 54.0850 (39.9753542d) Dec: -01 34 33.76 (-1.57604d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Abell clusters, Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	8	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
3	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
4	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
5	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
6	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
7	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
8	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
9	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
10	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F200W	GR150C	NIS	28	1	8	8	9706.04	
2	GRISM	F200W	GR150R	NIS	28	1	8	8	9706.04	
3	GRISM	F150W	GR150C	NIS	28	1	8	8	9706.04	
4	GRISM	F150W	GR150R	NIS	28	1	8	8	9706.04	
5	GRISM	F115W	GR150C	NIS	28	1	8	8	9706.04	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
2	F090W	F360M	DEEP8	6	1	8	8	9276.569	
3	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
4	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
5	F115W	F410M	DEEP8	6	1	8	8	9276.569	
6	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
7	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
8	F150W	F444W	DEEP8	6	1	8	8	9276.569	
9	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
10	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
11	F210M	F277W	DEEP8	6	1	8	8	9276.569	
12	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
13	F182M	F335M	MEDIUM8	5	1	1	1	515.365	
14	F182M	F335M	DEEP8	6	1	8	8	9276.569	
15	F182M	F335M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 2, 20, 21, 22 within 20 Days
Same V3 PA 2, 20, 21, 22 (Aperture PAs differ)

Observation

Proposal 1208, Observation 21: NIRISS Abell370 part 2 Mon Dec 18 19:01:08 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS Abell370 part 2 (Obs 21)) Warning (Form): Use of only one of GR150R or GR150C 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.

(NIRISS Abell370 part 2 (Obs 21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ABELL370	RA: 02 39 54.0850 (39.9753542d) Dec: -01 34 33.76 (-1.57604d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Abell clusters, Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F140M	F300M	MEDIUM8	5	1	1	1	515.365	
2	F140M	F300M	DEEP8	6	1	4	4	4638.285	
3	F140M	F300M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 2, 20, 21, 22 within 20 Days
Same V3 PA 2, 20, 21, 22 (Aperture PAs differ)

Observation

Proposal 1208, Observation 22: NIRISS Abell370 part 3 Mon Dec 18 19:01:08 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS Abell370 part 3 (Obs 22)) Warning (Form): Use of only one of GR150R or GR150C 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.

(NIRISS Abell370 part 3 (Obs 22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ABELL370	RA: 02 39 54.0850 (39.9753542d) Dec: -01 34 33.76 (-1.57604d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Abell clusters, Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	
2	F162M+F150W2	F250M	DEEP8	6	1	4	4	4638.285	
3	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

Offset -0.2616 arcsec, -0.1316 arcsec
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 2, 20, 21, 22 within 20 Days
Same V3 PA 2, 20, 21, 22 (Aperture PAs differ)

Observation

Proposal 1208, Observation 23: NIRISS MACSJ0416 part 1 Mon Dec 18 19:01:08 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

(NIRISS MACSJ0416 part 1 (Obs 23)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	MACSJ0416.1-2403	RA: 04 16 9.3700 (64.0390417d) Dec: -24 04 20.50 (-24.07236d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	8	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
3	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
4	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
5	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
6	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
7	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
8	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
9	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
10	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F200W	GR150C	NIS	28	1	8	8	9706.04	
2	GRISM	F200W	GR150R	NIS	28	1	8	8	9706.04	
3	GRISM	F150W	GR150C	NIS	28	1	8	8	9706.04	
4	GRISM	F150W	GR150R	NIS	28	1	8	8	9706.04	
5	GRISM	F115W	GR150C	NIS	28	1	8	8	9706.04	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
2	F090W	F360M	DEEP8	6	1	8	8	9276.569	
3	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
4	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
5	F115W	F410M	DEEP8	6	1	8	8	9276.569	
6	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
7	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
8	F150W	F444W	DEEP8	6	1	8	8	9276.569	
9	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
10	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
11	F210M	F277W	DEEP8	6	1	8	8	9276.569	
12	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
13	F182M	F335M	MEDIUM8	5	1	1	1	515.365	
14	F182M	F335M	DEEP8	6	1	8	8	9276.569	
15	F182M	F335M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 4, 23, 24, 25 within 20 Days
Same V3 PA 4, 23, 24, 25 (Aperture PAs differ)

Observation

Proposal 1208, Observation 24: NIRISS MACSJ0416 part 2 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ0416 part 2 (Obs 24)) Warning (Form): Use of only one of GR150R or GR150C 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.

(NIRISS MACSJ0416 part 2 (Obs 24)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	MACSJ0416.1-2403	RA: 04 16 9.3700 (64.0390417d) Dec: -24 04 20.50 (-24.07236d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F140M	F300M	MEDIUM8	5	1	1	1	515.365	
2	F140M	F300M	DEEP8	6	1	4	4	4638.285	
3	F140M	F300M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 4, 23, 24, 25 within 20 Days
Same V3 PA 4, 23, 24, 25 (Aperture PAs differ)

Observation

Proposal 1208, Observation 25: NIRISS MACSJ0416 part 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ0416 part 3 (Obs 25)) Warning (Form): Use of only one of GR150R or GR150C 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.

(NIRISS MACSJ0416 part 3 (Obs 25)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	MACSJ0416.1-2403	RA: 04 16 9.3700 (64.0390417d) Dec: -24 04 20.50 (-24.07236d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	
2	F162M+F150W2	F250M	DEEP8	6	1	4	4	4638.285	
3	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

Offset -0.2616 arcsec, -0.1316 arcsec
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 4, 23, 24, 25 within 20 Days
Same V3 PA 4, 23, 24, 25 (Aperture PAs differ)

Observation

Proposal 1208, Observation 26: NIRISS MACSJ0417 part 1 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

(Visit 26:1) Warning (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.

(NIRISS MACSJ0417 part 1 (Obs 26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	MACSJ0417.5-1154	RA: 04 17 35.1485 (64.3964521d) Dec: -11 54 38.44 (-11.91068d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	8	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
3	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
4	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
5	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
6	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
7	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
8	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
9	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
10	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F200W	GR150C	NIS	28	1	8	8	9706.04	
2	GRISM	F200W	GR150R	NIS	28	1	8	8	9706.04	
3	GRISM	F150W	GR150C	NIS	28	1	8	8	9706.04	
4	GRISM	F150W	GR150R	NIS	28	1	8	8	9706.04	
5	GRISM	F115W	GR150C	NIS	28	1	8	8	9706.04	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
2	F090W	F360M	DEEP8	6	1	8	8	9276.569	
3	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
4	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
5	F115W	F410M	DEEP8	6	1	8	8	9276.569	
6	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
7	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
8	F150W	F444W	DEEP8	6	1	8	8	9276.569	
9	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
10	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
11	F210M	F277W	DEEP8	6	1	8	8	9276.569	
12	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
13	F182M	F335M	MEDIUM8	5	1	1	1	515.365	
14	F182M	F335M	DEEP8	6	1	8	8	9276.569	
15	F182M	F335M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 6, 26, 27, 28 within 20 Days
Same V3 PA 6, 26, 27, 28 (Aperture PAs differ)

Observation

Proposal 1208, Observation 27: NIRISS MACSJ0417 part 2 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ0417 part 2 (Obs 27)) Warning (Form): Use of only one of GR150R or GR150C may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 27:1) Warning (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.

(NIRISS MACSJ0417 part 2 (Obs 27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	MACSJ0417.5-1154	RA: 04 17 35.1485 (64.3964521d) Dec: -11 54 38.44 (-11.91068d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F140M	F300M	MEDIUM8	5	1	1	1	515.365	
2	F140M	F300M	DEEP8	6	1	4	4	4638.285	
3	F140M	F300M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 6, 26, 27, 28 within 20 Days
Same V3 PA 6, 26, 27, 28 (Aperture PAs differ)

Observation

Proposal 1208, Observation 28: NIRISS MACSJ0417 part 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ0417 part 3 (Obs 28)) Warning (Form): Use of only one of GR150R or GR150C may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

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

(Visit 28:1) Warning (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.

(NIRISS MACSJ0417 part 3 (Obs 28)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	MACSJ0417.5-1154	RA: 04 17 35.1485 (64.3964521d) Dec: -11 54 38.44 (-11.91068d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	
2	F162M+F150W2	F250M	DEEP8	6	1	4	4	4638.285	
3	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

Offset -0.2616 arcsec, -0.1316 arcsec
No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 6, 26, 27, 28 within 20 Days
Same V3 PA 6, 26, 27, 28 (Aperture PAs differ)

Observation

Proposal 1208, Observation 29: NIRISS MACSJ1149 part 1 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

(NIRISS MACSJ1149 part 1 (Obs 29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	MACSJ1149+2223	RA: 11 49 35.8500 (177.3993750d) Dec: +22 23 53.78 (22.39827d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	8	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
3	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
4	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
5	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
6	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
7	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
8	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
9	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
10	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F200W	GR150C	NIS	14	2	8	16	9791.934	
2	GRISM	F200W	GR150R	NIS	14	2	8	16	9791.934	
3	GRISM	F150W	GR150C	NIS	14	2	8	16	9791.934	
4	GRISM	F150W	GR150R	NIS	14	2	8	16	9791.934	
5	GRISM	F115W	GR150C	NIS	14	2	8	16	9791.934	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
2	F090W	F360M	DEEP8	6	1	8	8	9276.569	
3	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
4	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
5	F115W	F410M	DEEP8	6	1	8	8	9276.569	
6	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
7	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
8	F150W	F444W	DEEP8	6	1	8	8	9276.569	
9	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
10	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
11	F210M	F277W	DEEP8	6	1	8	8	9276.569	
12	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
13	F182M	F335M	MEDIUM8	5	1	1	1	515.365	
14	F182M	F335M	DEEP8	6	1	8	8	9276.569	
15	F182M	F335M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum

Group Observations 8, 29, 30, 31 within 20 Days
Same V3 PA 8, 29, 30, 31 (Aperture PAs differ)

Observation

Proposal 1208, Observation 30: NIRISS MACSJ1149 part 2 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ1149 part 2 (Obs 30)) Warning (Form): Use of only one of GR150R or GR150C may result in spectral overlap from multiple sources that can't be corrected. Users should address this issue in their proposal text.

(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(NIRISS MACSJ1149 part 2 (Obs 30)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	MACSJ1149+2223	RA: 11 49 35.8500 (177.3993750d) Dec: +22 23 53.78 (22.39827d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	MEDIUM8	5	1	1	1	515.365	
2	F150W	F277W	DEEP8	6	1	4	4	4638.285	
3	F150W	F277W	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum

Group Observations 8, 29, 30, 31 within 20 Days
Same V3 PA 8, 29, 30, 31 (Aperture PAs differ)

Observation

Proposal 1208, Observation 31: NIRISS MACSJ1149 part 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(NIRISS MACSJ1149 part 3 (Obs 31)) Warning (Form): Use of only one of GR150R or GR150C 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.

(NIRISS MACSJ1149 part 3 (Obs 31)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	MACSJ1149+2223	RA: 11 49 35.8500 (177.3993750d) Dec: +22 23 53.78 (22.39827d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F140M	F300M	MEDIUM8	5	1	1	1	515.365	
2	F140M	F300M	DEEP8	6	1	4	4	4638.285	
3	F140M	F300M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

Offset -0.2616 arcsec, -0.1316 arcsec
No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum

Group Observations 8, 29, 30, 31 within 20 Days
Same V3 PA 8, 29, 30, 31 (Aperture PAs differ)

Observation

Proposal 1208, Observation 32: NIRISS MACSJ1423 part 1 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Comments: Strong preference for observation at the low end of the V3PA range, i.e. near V3PA=257

Diagnostics

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

(Visit 32:1) Warning (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.

(NIRISS MACSJ1423 part 1 (Obs 32)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	MACSJ1423.8+2404	RA: 14 23 47.7800 (215.9490833d) Dec: +24 04 39.72 (24.07770d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	8	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
3	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
4	DIRECT	F200W		NIS	13	1	NO	1	1	569.049	
5	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
6	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
7	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
8	DIRECT	F150W		NIS	13	1	NO	1	1	569.049	
9	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
10	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F200W	GR150C	NIS	28	1	8	8	9706.04	
2	GRISM	F200W	GR150R	NIS	28	1	8	8	9706.04	
3	GRISM	F150W	GR150C	NIS	28	1	8	8	9706.04	
4	GRISM	F150W	GR150R	NIS	28	1	8	8	9706.04	
5	GRISM	F115W	GR150C	NIS	28	1	8	8	9706.04	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
2	F090W	F360M	DEEP8	6	1	8	8	9276.569	
3	F090W	F360M	MEDIUM8	5	1	1	1	515.365	
4	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
5	F115W	F410M	DEEP8	6	1	8	8	9276.569	
6	F115W	F410M	MEDIUM8	5	1	1	1	515.365	
7	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
8	F150W	F444W	DEEP8	6	1	8	8	9276.569	
9	F150W	F444W	MEDIUM8	5	1	1	1	515.365	
10	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
11	F210M	F277W	DEEP8	6	1	8	8	9276.569	
12	F210M	F277W	MEDIUM8	5	1	1	1	515.365	
13	F182M	F335M	MEDIUM8	5	1	1	1	515.365	
14	F182M	F335M	DEEP8	6	1	8	8	9276.569	
15	F182M	F335M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 10, 32, 33, 34 within 20 Days
Same V3 PA 10, 32, 33, 34 (Aperture PAs differ)

Observation

Proposal 1208, Observation 33: NIRISS MACSJ1423 part 2 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Comments: Strong preference for observation at the low end of the V3PA range, i.e. near V3PA=257

Diagnostics

(NIRISS MACSJ1423 part 2 (Obs 33)) Warning (Form): Use of only one of GR150R or GR150C 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 33:1) Warning (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.

(NIRISS MACSJ1423 part 2 (Obs 33)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	MACSJ1423.8+2404	RA: 14 23 47.7800 (215.9490833d) Dec: +24 04 39.72 (24.07770d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F140M	F300M	MEDIUM8	5	1	1	1	515.365	
2	F140M	F300M	DEEP8	6	1	4	4	4638.285	
3	F140M	F300M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 10, 32, 33, 34 within 20 Days
Same V3 PA 10, 32, 33, 34 (Aperture PAs differ)

Observation

Proposal 1208, Observation 34: NIRISS MACSJ1423 part 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRISS Wide Field Slitless Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Comments: Strong preference for observation at the low end of the V3PA range, i.e. near V3PA=257

Diagnostics

(NIRISS MACSJ1423 part 3 (Obs 34)) Warning (Form): Use of only one of GR150R or GR150C 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 34:1) Warning (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.

(NIRISS MACSJ1423 part 3 (Obs 34)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	MACSJ1423.8+2404	RA: 14 23 47.7800 (215.9490833d) Dec: +24 04 39.72 (24.07770d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRISS Wide Field Slitless Spectroscopy	NIRCam Imaging
	Module: ALL Subarray: FULL Target Placement: Module Gap

Dithers

#	Image Dithers	Pattern Size
1	4	LARGE

Direct Image

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	
2	DIRECT	F115W		NIS	13	1	NO	1	1	569.049	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	GRISM	F115W	GR150R	NIS	28	1	4	4	4853.02	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	
2	F162M+F150W2	F250M	DEEP8	6	1	4	4	4638.285	
3	F162M+F150W2	F250M	MEDIUM8	5	1	1	1	515.365	

Special Requirements

Offset -0.2616 arcsec, -0.1316 arcsec
No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 10, 32, 33, 34 within 20 Days
Same V3 PA 10, 32, 33, 34 (Aperture PAs differ)

Observation

Proposal 1208, Observation 2: NIRCam Abell370 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy

Diagnostics

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

(NIRCam Abell370 (Obs 2)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ABELL370	RA: 02 39 54.0850 (39.9753542d) Dec: -01 34 33.76 (-1.57604d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Abell clusters, Rich clusters]
Extended=YES

Template

NIRCam Imaging	NIRISS Wide Field Slitless Spectroscopy
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	6		1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
2	F150W	F277W	DEEP8	5	1	6	6	5669.015	
3	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
4	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
5	F200W	F356W	DEEP8	5	1	6	6	5669.015	
6	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
7	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
8	F115W	F444W	DEEP8	5	1	6	6	5669.015	
9	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
10	F090W	F410M	SHALLOW4	7	1	1	1	365.05	
11	F090W	F410M	DEEP8	5	1	6	6	5669.015	
12	F090W	F410M	SHALLOW4	7	1	1	1	365.05	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	8	1	NO	1	1	354.313	
2	GRISM	F115W	GR150R	NIS	21	1	6	6	5475.753		3
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		4
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		5
GRISM	F115W	GR150C	NIS	21	1	6	6	5475.753		6	DIRECT
F115W		NIS	8	1	NO	1	1	354.313		7	DIRECT
F150W		NIS	8	1	NO	1	1	354.313		8	GRISM
F150W	GR150C	NIS	21	1	6	6	5475.753		9	DIRECT	F150W
	NIS	8	1	NO	1	1	354.313		10	DIRECT	F200W
	NIS	8	1	NO	1	1	354.313		11	GRISM	F200W
GR150C	NIS	21	1	6	6	5475.753		12	DIRECT	F200W	

Special Requirements

Aperture PA Range 63.88744876 to 63.88744876 Degrees (V3 63.95880186 to 63.95880186)
Offset 84.0 arcsec, -3.0 arcsec
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 2, 20, 21, 22 within 20 Days
Same V3 PA 2, 20, 21, 22 (Aperture PAs differ)

Observation

Proposal 1208, Observation 4: NIRCam MACSJ0416 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy

Diagnostics

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

(NIRCam MACSJ0416 (Obs 4)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	MACSJ0416.1-2403	RA: 04 16 9.3700 (64.0390417d) Dec: -24 04 20.50 (-24.07236d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRCam Imaging	NIRISS Wide Field Slitless Spectroscopy
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	6		1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
2	F150W	F277W	DEEP8	5	1	6	6	5669.015	
3	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
4	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
5	F200W	F356W	DEEP8	5	1	6	6	5669.015	
6	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
7	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
8	F115W	F444W	DEEP8	5	1	6	6	5669.015	
9	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
10	F090W	F410M	SHALLOW4	7	1	1	1	365.05	
11	F090W	F410M	DEEP8	5	1	6	6	5669.015	
12	F090W	F410M	SHALLOW4	7	1	1	1	365.05	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	8	1	NO	1	1	354.313	
2	GRISM	F115W	GR150R	NIS	21	1	6	6	5475.753		3
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		4
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		5
GRISM	F115W	GR150C	NIS	21	1	6	6	5475.753		6	DIRECT
F115W		NIS	8	1	NO	1	1	354.313		7	DIRECT
F150W		NIS	8	1	NO	1	1	354.313		8	GRISM
F150W	GR150C	NIS	21	1	6	6	5475.753		9	DIRECT	F150W
	NIS	8	1	NO	1	1	354.313		10	DIRECT	F200W
	NIS	8	1	NO	1	1	354.313		11	GRISM	F200W
GR150C	NIS	21	1	6	6	5475.753		12	DIRECT	F200W	

Special Requirements

Aperture PA Range 44.887474 to 49.887474 Degrees (V3 44.9588271 to 49.9588271)
Offset 84.0 arcsec, -3.0 arcsec
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum

Group Observations 4, 23, 24, 25 within 20 Days
Same V3 PA 4, 23, 24, 25 (Aperture PAs differ)

Observation

Proposal 1208, Observation 6: NIRCam MACSJ0417 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy

Diagnostics

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

(Visit 6:1) Warning (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.

(NIRCam MACSJ0417 (Obs 6)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	MACSJ0417.5-1154	RA: 04 17 35.1485 (64.3964521d) Dec: -11 54 38.44 (-11.91068d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRCam Imaging	NIRISS Wide Field Slitless Spectroscopy
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	6		1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
2	F150W	F277W	DEEP8	5	1	6	6	5669.015	
3	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
4	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
5	F200W	F356W	DEEP8	5	1	6	6	5669.015	
6	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
7	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
8	F115W	F444W	DEEP8	5	1	6	6	5669.015	
9	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
10	F090W	F410M	SHALLOW4	7	1	1	1	365.05	
11	F090W	F410M	DEEP8	5	1	6	6	5669.015	
12	F090W	F410M	SHALLOW4	7	1	1	1	365.05	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	8	1	NO	1	1	354.313	
2	GRISM	F115W	GR150R	NIS	21	1	6	6	5475.753		3
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		4
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		5
GRISM	F115W	GR150C	NIS	21	1	6	6	5475.753		6	DIRECT
F115W		NIS	8	1	NO	1	1	354.313		7	DIRECT
F150W		NIS	8	1	NO	1	1	354.313		8	GRISM
F150W	GR150C	NIS	21	1	6	6	5475.753		9	DIRECT	F150W
	NIS	8	1	NO	1	1	354.313		10	DIRECT	F200W
	NIS	8	1	NO	1	1	354.313		11	GRISM	F200W
GR150C	NIS	21	1	6	6	5475.753		12	DIRECT	F200W	

Special Requirements

Aperture PA Range 289.88744876 to 289.88744876 Degrees (V3 289.95880186 to 289.95880186)
Offset 84.0 arcsec, -3.0 arcsec
No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

48 After 6 by 60 Days to 500 Days
64 After 6 by 60.0 Days to <None specified>
Group Observations 6, 26, 27, 28 within 20 Days
Same V3 PA 6, 26, 27, 28 (Aperture PAs differ)

Observation

Proposal 1208, Observation 8: NIRCam MACSJ1149 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy

Diagnostics

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

(NIRCam MACSJ1149 (Obs 8)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	MACSJ1149+2223	RA: 11 49 35.8500 (177.3993750d) Dec: +22 23 53.78 (22.39827d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRCam Imaging	NIRISS Wide Field Slitless Spectroscopy
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	6		1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
2	F150W	F277W	DEEP8	5	1	6	6	5669.015	
3	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
4	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
5	F200W	F356W	DEEP8	5	1	6	6	5669.015	
6	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
7	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
8	F115W	F444W	DEEP8	5	1	6	6	5669.015	
9	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
10	F090W	F410M	SHALLOW4	7	1	1	1	365.05	
11	F090W	F410M	DEEP8	5	1	6	6	5669.015	
12	F090W	F410M	SHALLOW4	7	1	1	1	365.05	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	8	1	NO	1	1	354.313	
2	GRISM	F115W	GR150R	NIS	21	1	6	6	5475.753		3
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		4
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		5
GRISM	F115W	GR150C	NIS	21	1	6	6	5475.753		6	DIRECT
F115W		NIS	8	1	NO	1	1	354.313		7	DIRECT
F150W		NIS	8	1	NO	1	1	354.313		8	GRISM
F150W	GR150C	NIS	21	1	6	6	5475.753		9	DIRECT	F150W
	NIS	8	1	NO	1	1	354.313		10	DIRECT	F200W
	NIS	8	1	NO	1	1	354.313		11	GRISM	F200W
GR150C	NIS	21	1	6	6	5475.753		12	DIRECT	F200W	

Special Requirements

Aperture PA Range 121.887474 to 121.887474 Degrees (V3 121.9588271 to 121.9588271)
Offset 84.0 arcsec, -3.0 arcsec
No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum

Group Observations 8, 29, 30, 31 within 20 Days
Same V3 PA 8, 29, 30, 31 (Aperture PAs differ)

Observation

Proposal 1208, Observation 10: NIRCam MACSJ1423 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy

Comments: Strong preference for observation at the low end of the V3PA range, i.e. near V3PA=257

Diagnostics

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

(Visit 10:1) Warning (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.

(NIRCam MACSJ1423 (Obs 10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	MACSJ1423.8+2404	RA: 14 23 47.7800 (215.9490833d) Dec: +24 04 39.72 (24.07770d) Equinox: J2000		

Comments:
Category=Clusters of Galaxies
Description=[Rich clusters]
Extended=YES

Template

NIRCam Imaging	NIRISS Wide Field Slitless Spectroscopy
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	6		1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
2	F150W	F277W	DEEP8	5	1	6	6	5669.015	
3	F150W	F277W	SHALLOW4	7	1	1	1	365.05	
4	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
5	F200W	F356W	DEEP8	5	1	6	6	5669.015	
6	F200W	F356W	SHALLOW4	7	1	1	1	365.05	
7	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
8	F115W	F444W	DEEP8	5	1	6	6	5669.015	
9	F115W	F444W	SHALLOW4	7	1	1	1	365.05	
10	F090W	F410M	SHALLOW4	7	1	1	1	365.05	
11	F090W	F410M	DEEP8	5	1	6	6	5669.015	
12	F090W	F410M	SHALLOW4	7	1	1	1	365.05	

Spectral Elements

NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	DIRECT	F115W		NIS	8	1	NO	1	1	354.313	
2	GRISM	F115W	GR150R	NIS	21	1	6	6	5475.753		3
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		4
DIRECT	F115W		NIS	8	1	NO	1	1	354.313		5
GRISM	F115W	GR150C	NIS	21	1	6	6	5475.753		6	DIRECT
F115W		NIS	8	1	NO	1	1	354.313		7	DIRECT
F150W		NIS	8	1	NO	1	1	354.313		8	GRISM
F150W	GR150C	NIS	21	1	6	6	5475.753		9	DIRECT	F150W
	NIS	8	1	NO	1	1	354.313		10	DIRECT	F200W
	NIS	8	1	NO	1	1	354.313		11	GRISM	F200W
GR150C	NIS	21	1	6	6	5475.753		12	DIRECT	F200W	

Special Requirements

Aperture PA Range 256.887474 to 261.887474 Degrees (V3 256.9588271 to 261.9588271)
Offset 84.0 arcsec, -3.0 arcsec
No Parallel Attachments
Background Limited. Background no more than 30th percentile above minimum

Group Observations 10, 32, 33, 34 within 20 Days
Same V3 PA 10, 32, 33, 34 (Aperture PAs differ)

Observation

Proposal 1208, Observation 46: a370 plan 1, a370 plan 2, a370 plan 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(Visit 46:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 46:1) Warning (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
(69)	a370_clu_nirspec_targets_v1	RA: 02 39 56.1444 (39.9839350d) Dec: -01 35 6.95 (-1.58526d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	no2190001_2190002 (2623 sources)		jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	2103977	39.983432	-1.627913	25.17354237734616	1	2108333	39.999655	-1.599240	25.281763886865143
1	2105192	39.978283	-1.619037	24.4023362328471	1	2115530	39.985157	-1.561050	25.01547829794148
1	2105859	39.992555	-1.614895	23.88218765239268	1	2116322	39.979962	-1.556924	25.23607455056535
1	2107353	40.006336	-1.605490	24.42330132332684	1	2116738	39.983859	-1.554552	24.256625930257716

Spectral Elements

#	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 (PRISM/CLEAR)	c1 : a370 plan 1	3 Shutter Slitlet	39.9826125 Degrees -1.591644444444455 Degrees	46.10812345052491			3	3	2888.6
2	1 (PRISM/CLEAR)	c1 : a370 plan 2	3 Shutter Slitlet	39.98701666666667 Degrees -1.5891333333333364 Degrees	46.108006440362 8			3	3	2888.6
3	1 (PRISM/CLEAR)	c1 : a370 plan 3	3 Shutter Slitlet	39.98527083333333 Degrees -1.583011111111091 Degrees	46.10806759914199			3	3	2888.6

Special Requirements	
	Background Limited. Background no more than 40th percentile above minimum MSA Scheduled Aperture PA 46.1081 to 46.1081 Degrees (V3 267.53354 to 267.53354)

Observation

Proposal 1208, Observation 47: M0416 Plan 1, M0416 Plan 2, M0416 Plan 3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(M0416 Plan 1, M0416 Plan 2, M0416 Plan 3 (Obs 47)) Warning (Form): Config c1 : M0416 Plan 1 (#1) has 3 primary slits affected by failed closed shutters.

(M0416 Plan 1, M0416 Plan 2, M0416 Plan 3 (Obs 47)) Warning (Form): Config c1 : M0416 Plan 2 (#2) has 2 primary slits affected by failed closed shutters.

(M0416 Plan 1, M0416 Plan 2, M0416 Plan 3 (Obs 47)) Warning (Form): Config c1 : M0416 Plan 3 (#3) has 1 primary slit traces affected by failed open shutters.

(M0416 Plan 1, M0416 Plan 2, M0416 Plan 3 (Obs 47)) Warning (Form): Config c1 : M0416 Plan 3 (#3) has 1 primary slits affected by failed closed shutters.

(Visit 47:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(68)	macs0416_clu_nirspec_targets_v1	RA: 04 16 11.0483 (64.0460346d) Dec: -24 04 38.22 (-24.07728d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	macs0416_clu_nirspec_targets_v1 (2375 sources)		jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	3100332	64.072814	-24.102424	24.046944985625757	1	3106734	64.066313	-24.096327	25.602697364646357
1	3100777	64.051644	-24.080402	25.50351446806542	1	3107109	64.068518	-24.093606	24.78748425577809
1	3101109	64.057474	-24.066341	25.316291880393766	1	3113834	64.046411	-24.051978	25.014054018186073
1	3101114	64.056705	-24.066140	24.244514587855384	1	3114013	64.053114	-24.050377	25.006689102311928

Spectral Elements

#	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 (PRISM/CLEAR)	c1 : M0416 Plan 1	3 Shutter Slitlet	64.06228166666666 Degrees -24.07699166666686 Degrees	34.83746550689794			3	3	2888.6
2	1 (PRISM/CLEAR)	c1 : M0416 Plan 2	3 Shutter Slitlet	64.05436208333333 Degrees -24.08539166666668 Degrees	34.84068254229196			3	3	2888.6
3	1 (PRISM/CLEAR)	c1 : M0416 Plan 3	3 Shutter Slitlet	64.05204083333334 Degrees -24.07880277777753 Degrees	34.84164400205293			3	3	2888.6

Special Requirements	MSA Scheduled Aperture PA 34.8441 to 34.8441 Degrees (V3 256.26953 to 256.26953)

Observation

Proposal 1208, Observation 48: config 1, config 2 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 1 (#1) has 1 filler slits affected by failed closed shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 1 (#1) has 1 primary slits affected by failed closed shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 1 (#1) has 2 master background shutters affected by failed open or closed shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 2 (#2) has 1 filler slit traces affected by failed open shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 2 (#2) has 2 master background shutters affected by failed open or closed shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 2 (#2) has 2 primary slits affected by failed closed shutters.

(config 1, config 2 (Obs 48)) Warning (Form): Config c1 : config 2 (#2) has 3 filler slits affected by failed closed shutters.

(Visit 48:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(config 1, config 2 (Obs 48)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(65)	MACS0417-CLU-NIRSPEC-TARGETS-V0	RA: 04 17 35.8089 (64.3992037d) Dec: -11 54 15.03 (-11.90418d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	Weight >= 10 (525 sources)	Weight >= 5 (2270 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	239	64.400673	-11.917166	23.644346951121367	1	980	64.408717	-11.867870	23.64112225394347
1	288	64.399547	-11.914795	23.53722534739091	1	6590	64.401192	-11.905548	25.003491785846993
1	410	64.402928	-11.908312	23.645763795923287	1	10534	64.370574	-11.880605	23.994561038628987
1	879	64.405719	-11.875727	23.18954603766206	1	11740	64.405493	-11.872169	25.43306712875055

Spectral Elements

#	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 (PRISM/CLEAR)	c1 : config 1	3 Shutter Slitlet	64.392231041666 66 Degrees -11.891173888888 886 Degrees	188.08107307559 26			3	3	2888.6
2	1 (PRISM/CLEAR)	c1 : config 2	3 Shutter Slitlet	64.395772 Degrees -11.903003611111 103 Degrees	188.08036721495 435			3	3	2888.6

Special Requirements

MSA Scheduled Aperture PA 188.0797 to 188.0797 Degrees (V3 49.505096 to 49.505096)

48 After 6 by 60 Days to 500 Days
Group Observations 48, 64, Non-interruptible
Same Aperture PA 48, 64

Observation

Proposal 1208, Observation 64: config 3

Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(config 3 (Obs 64)) Warning (Form): Config c3 (#1) has 1 filler slits affected by failed closed shutters.

(config 3 (Obs 64)) Warning (Form): Config c3 (#1) has 1 primary slits affected by failed closed shutters.

(Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(config 3 (Obs 64)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(66)	MACS0417-NCF-NIRSPEC-TARGETS-V0	RA: 04 17 29.1233 (64.3713471d) Dec: -11 49 31.87 (-11.82552d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	M0417 NCF Weight >= 10 (629 sources)	M0417 NCF Weight >= 5 (853 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	200179	64.378055	-11.839876	24.087465483955373	1	200377	64.373057	-11.823681	23.373232408455969 3
1	200225	64.380568	-11.836789	23.574125289832224	1	200438	64.382959	-11.808430	23.989198250060284
1	200277	64.360844	-11.832865	25.019793059667528	1	200506	64.364167	-11.800838	24.04692014344581
1	200359	64.367413	-11.825505	24.88370132664508	1	200507	64.381888	-11.800811	23.21101041163577

Spectral Elements

#	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 (PRISM/CLEAR)	c3	3 Shutter Slitlet	64.35692624999999 Degrees -11.814927777777768 Degrees	188.08258448820789			3	3	2888.6

Special Requirements	
	MSA Scheduled Aperture PA 188.0797 to 188.0797 Degrees (V3 49.505096 to 49.505096) 64 After 6 by 60.0 Days to <None specified> Group Observations 48, 64, Non-interruptible Same Aperture PA 48, 64

Observation

Proposal 1208, Observation 49: M1149_p1, M1149_p2, M1149_p3 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(Visit 49:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 49:1) Warning (Form): The recommended value is 8 Reference Stars for this template.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(70)	macs1149_clu_nirspec_targets_v1	RA: 11 49 34.1639 (177.3923496d) Dec: +22 23 24.05 (22.39001d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 7 sources in 2 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	FWHMzero (2859 sources)		jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	5100900	177.384176	22.340522	24.61628234749953	1	5107348	177.388367	22.393215	23.62642824601209
1	5101505	177.386812	22.347118	25.21133814434961 8	1	5112577	177.373376	22.346395	23.30066620257361
1	5101692	177.376194	22.348953	23.9045408290278	1	5115602	177.402362	22.407379	23.29099603307177
1	5107143	177.408498	22.392018	25.06965836766639 2					

Spectral Elements

#	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 (PRISM/CLEAR)	c1 : M1149_p1	3 Shutter Slitlet	177.39062979166667 Degrees 22.375201944444445 Degrees	63.712814878760966			3	3	2888.6
2	1 (PRISM/CLEAR)	c1 : M1149_p2	3 Shutter Slitlet	177.39064875 Degrees 22.377244444444443 Degrees	63.712826076718244			3	3	2888.6
3	1 (PRISM/CLEAR)	c1 : M1149_p3	3 Shutter Slitlet	177.39225916666666 Degrees 22.384005555555554 Degrees	63.71345356506056			3	3	2888.6

Special Requirements	MSA Scheduled Aperture PA 63.7135 to 63.7135 Degrees (V3 285.13895 to 285.13895)

Observation

Proposal 1208, Observation 50: Plan 5 3 configs Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(Plan 5 3 configs (Obs 50)) Warning (Form): Config c1 (#1) has 1 filler slits affected by failed closed shutters.

(Plan 5 3 configs (Obs 50)) Warning (Form): Config c1 (#1) has 1 primary slits affected by failed closed shutters.

(Plan 5 3 configs (Obs 50)) Warning (Form): Config c2 (#2) has 1 filler slits affected by failed closed shutters.

(Plan 5 3 configs (Obs 50)) Warning (Form): Config c3 (#3) has 1 filler slit traces affected by failed open shutters.

(Visit 50:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(67)	macs1423_clu_nirspec_targets_v1	RA: 14 23 46.9957 (215.9458154d) Dec: +24 05 1.23 (24.08367d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	No	MSA Center	m1423weightgt850 (128 sources)	macs1423_clu_nirspec_targets_v1 (1871 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	4100335	215.949555	24.075672	24.038093948109783	1	4101090	215.931347	24.131681	25.160851661981674
1	4100341	215.957451	24.075895	24.548674442422353	1	4111439	215.932278	24.107479	25.32623913895622
1	4100451	215.951869	24.081621	23.96231565425871	1	4111890	215.922457	24.110395	24.813439937744203
1	4100871	215.931395	24.112954	23.986544373859957	1	4112808	215.963796	24.117348	24.46782251886991

Spectral Elements

#	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 (PRISM/CLEAR)	c1	3 Shutter Slitlet	215.940312125 Degrees 24.097630555555554 Degrees	291.57097966786284			3	3	2888.6
2	1 (PRISM/CLEAR)	c2	3 Shutter Slitlet	215.94548175 Degrees 24.099366944444444 Degrees	291.5730800440565			3	3	2888.6
3	1 (PRISM/CLEAR)	c3	3 Shutter Slitlet	215.94347883333333 Degrees 24.092159166666665 Degrees	291.5722720781273			3	3	2888.6

Special Requirements	MSA Scheduled Aperture PA 291.5732 to 291.5732 Degrees (V3 152.99866 to 152.99866)

Observation

Proposal 1208, Observation 62: IFU observation of MACSJ0416-Y1 Mon Dec 18 19:01:09 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

(Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(62)	MACSJ0416-Y1	RA: 04 16 9.4230 (64.0392625d) Dec: -24 05 35.50 (-24.09319d) Equinox: J2000		

Comments: Coordinates are from Tamura+19 for the ALMA 850-mu continum. This seems slightly shifted (by 0.15") with respect to the center of the HST F160W and ALMA [OIII]-88mu emission.
Category=Galaxy
Description=[Lyman-alpha galaxies, Primordial galaxies]
Extended=YES

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	CYCLING	MEDIUM	1	8	

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	

Special Requirements

Aperture PA Range 183.89297485 to 188.89297485 Degrees (V3 44.92132568 to 49.92132568)
Aperture PA Range 208.89297485 to 228.89297485 Degrees (V3 69.92132568 to 89.92132568)