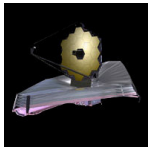

6642 - CAL-NRS-310: NIRSpec MOS wavelength calibration field check

Cycle: 3, Proposal Category: CAL/NIRSPEC

INVESTIGATORS

Name	*Institution*
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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	1	Pre-imaging	NIRCam Imaging	(1) M31_PN2538
	10	Pre-imaging	NIRCam Imaging	(4) M31_PN2538-new
	2	pos 1d (all)	NIRSpec MultiObject Spectroscopy	(11) F115W_refs-isolated-pruned-Gaia
	3	pos 2f (all)	NIRSpec MultiObject Spectroscopy	(11) F115W_refs-isolated-pruned-Gaia
	4	pos 3g (all)	NIRSpec MultiObject Spectroscopy	(11) F115W_refs-isolated-pruned-Gaia
	5	pos 4g (all) + pos 5c (prism)	NIRSpec MultiObject Spectroscopy	(10) F115W_refs-isolated-pruned_MSA
	6	pos 6f (prism)	NIRSpec MultiObject Spectroscopy	(10) F115W_refs-isolated-pruned_MSA
	7	pos 7x (prism)	NIRSpec MultiObject Spectroscopy	(10) F115W_refs-isolated-pruned_MSA
	8	pos 8k (prism)	NIRSpec MultiObject Spectroscopy	(10) F115W_refs-isolated-pruned_MSA
	9	prism check	NIRSpec Fixed Slit Spectroscopy	(4) M31_PN2538-new

ABSTRACT

We will obtain MOS observations of a planetary nebula in M31 in order to check the wavelength calibration as a function of MSA field position. These data will allow us to more firmly tie the calibration of the prism to the gratings, and characterize any residual field dependence not already accounted for by the instrument model. The M31 target is expected to be spatially unresolved, and of suitable brightness to allow efficient and unsaturated exposures with all dispersers.

This calibration program may change in response to system developments and the final Cycle 3 science program.

OBSERVING DESCRIPTION

This program includes MOS observations at 4 field positions with all dispersers, and an additional 4 positions with the prism. NIRCam pre-imaging will be obtained first in order to prepare a sample of reference stars for MSATA, and verify the brightness and spatial extent of the target. We will then obtain an intermediate prism observation with one of the fixed slits to further verify emission line strengths, with sufficient lead time to allow any necessary modifications to the MOS exposures.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	M31_PN2538	RA: 01 55 12.0000 (28.8000000d) Dec: +39 35 26.40 (39.59067d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[Line spread function, Planetary nebulae, Wavelength]* *Extended=NO*				
(2)	PN_catalog_M31_pn2538	RA: 01 55 11.9976 (28.7999900d) Dec: +39 35 26.41 (39.59067d) Equinox: J2000		
Comments: *Description=[]*				
(3)	M31_PN50	RA: 00 46 42.9000 (11.6787500d) Dec: +42 08 35.30 (42.14314d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[Line spread function, Planetary nebulae, Wavelength]* *Extended=NO*				
(4)	M31_PN2538-new	RA: 00 36 28.8000 (9.1200000d) Dec: +39 35 26.40 (39.59067d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[Line spread function, Planetary nebulae, Wavelength]* *Extended=NO*				
(5)	PN_catalog_M31_pn2538-new	RA: 00 36 28.8000 (9.1200000d) Dec: +39 35 26.41 (39.59067d) Equinox: J2000		
Comments: *Description=[]*				
(6)	F115W_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) Equinox: J2000		
Comments: *Description=[]*				
(7)	M31_PN2538-observed	RA: 00 36 28.7774 (9.1199058d) Dec: +39 35 26.30 (39.59064d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[Line spread function, Planetary nebulae, Wavelength]* *Extended=NO*				
(8)	F115W_refs_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) Equinox: J2000		
Comments: *Description=[]*				

	(9)	F115W_refs-isolated_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) Equinox: J2000
	Comments: *Description=[]*		
	(10)	F115W_refs-isolated-pruned_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) Equinox: J2000
	Comments: *Description=[]*		
	(11)	F115W_refs-isolated-pruned-Gaia	RA: 00 36 27.8242 (9.1159342d) Dec: +39 35 33.51 (39.59264d) Equinox: J2000
	Comments: *Description=[]*		

Observation

Proposal 6642, Observation 1: Pre-imaging

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

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

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

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	M31_PN2538	RA: 01 55 12.0000 (28.8000000d) Dec: +39 35 26.40 (39.59067d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Line spread function, Planetary nebulae, Wavelength]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Module Gap

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	FULL	6	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F277W	BRIGHT1	10	1	6	6	1223.992	

Special Requirements

Before Date 01-OCT-2024:00:00:00
Sequence Visits within 53.0 Days
Visits Same PA

2 After 1 by 60.0 Days to <None specified>
3 After 1 by 60.0 Days to <None specified>
4 After 1 by 60.0 Days to <None specified>
5 After 1 by 60.0 Days to <None specified>
6 After 1 by 60.0 Days to <None specified>
7 After 1 by 60.0 Days to <None specified>
8 After 1 by 60.0 Days to <None specified>

Observation

Proposal 6642, Observation 10: Pre-imaging

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam 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.

(Visit 10:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	M31_PN2538-new	RA: 00 36 28.8000 (9.1200000d) Dec: +39 35 26.40 (39.59067d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Line spread function, Planetary nebulae, Wavelength]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Module Gap

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	FULL	6	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F277W	BRIGHT1	10	1	6	6	1223.992	

Special Requirements

Before Date 01-OCT-2024:00:00:00
Sequence Visits within 53.0 Days
Visits Same PA

9 After 10 by 0 Days to 60 Days

Observation

Proposal 6642, Observation 2: pos 1d (all)

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

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
(11)	F115W_refs-isolated-pruned-Gaia	RA: 00 36 27.8242 (9.1159342d) Dec: +39 35 33.51 (39.59264d) 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: F110W; Readout: NRSRAPID; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	true	After Target ACQ and New MSA Config	MSA Center	PN2538-Gaia (1 sources)	Fillers-Gaia pruned (8500 sources)	jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1361	9.171722	39.569404	20.93931682935935	1	4643	9.135069	39.594296	20.791585196773518
1	1639	9.155278	39.572334	20.675209617542368	1	4807	9.134444	39.595393	20.9752505515959
1	3420	9.134414	39.585101	20.3605940247094	1	5133	9.151155	39.597938	20.953595499024352
1	3699	9.135873	39.587133	20.746170756628985	1	6042	9.123300	39.604771	20.52904926213604

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1	NRSIRS2RAPID	3	1	1	58.356

Proposal 6642 - Observation 2 - CAL-NRS-310: NIRSpec MOS wavelength calibration field check

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 (G140H/F100LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	2888.6
2	2 (G140M/F100LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	1575.6
3	3 (G235H/F170LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	2232.1
4	4 (G235M/F170LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	1575.6
5	5 (G395H/F290LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	1356.767
6	6 (G395M/F290LP)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	831.567
7	7 (PRISM/CLEAR)	c1	3 Shutter Slitlet	9.162355 Degrees 39.60055 Degrees	206.60420202192 762			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 206.5746 to 206.5746 Degrees (V3 68.0 to 68.0)

2 After 1 by 60.0 Days to <None specified>
2 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 3: pos 2f (all)

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

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
(11)	F115W_refs-isolated-pruned-Gaia	RA: 00 36 27.8242 (9.1159342d) Dec: +39 35 33.51 (39.59264d) 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: F110W; Readout: NRSRAPID; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	true	After Target ACQ and New MSA Config	MSA Center	PN2538-Gaia (1 sources)	Fillers-Gaia pruned (8500 sources)	jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	464	9.171121	39.557558	20.590513609816984	1	1657	9.127689	39.572586	20.94631748006499
1	1361	9.171722	39.569404	20.93931682935935	1	1729	9.125517	39.573406	20.242894503602162
1	1613	9.130932	39.572106	20.89280188011992	1	3420	9.134414	39.585101	20.3605940247094
1	1639	9.155278	39.572334	20.675209617542368	1	3699	9.135873	39.587133	20.746170756628985

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1	NRSIRS2RAPID	3	1	1	58.356

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 (G140H/F100LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	2888.6
2	2 (G140M/F100LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	1575.6
3	3 (G235H/F170LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	2232.1
4	4 (G235M/F170LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	1575.6
5	5 (G395H/F290LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	1356.767
6	6 (G395M/F290LP)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	831.567
7	7 (PRISM/CLEAR)	c1	3 Shutter Slitlet	9.137497499999998 Degrees 39.556105555555554 Degrees	206.58839105109863			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 206.5746 to 206.5746 Degrees (V3 68.0 to 68.0)

3 After 1 by 60.0 Days to <None specified>
3 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 4: pos 3g (all) Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

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
(11)	F115W_refs-isolated-pruned-Gaia	RA: 00 36 27.8242 (9.1159342d) Dec: +39 35 33.51 (39.59264d) 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: F110W; Readout: NRSRAPID; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	true	After Target ACQ and New MSA Config	MSA Center	PN2538-Gaia (1 sources)	Fillers-Gaia pruned (8500 sources)	jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	3420	9.134414	39.585101	20.3605940247094	1	5361	9.136567	39.599582	20.35026342140248
1	4234	9.129019	39.590862	20.43023483785415	1	5445	9.146917	39.600311	20.427121205086635
1	4297	9.144698	39.591524	20.277220018166837	1	5717	9.109503	39.602470	20.305285225847808
1	4842	9.125793	39.595709	19.611110042971593	1	8107	9.094855	39.623392	20.651938943127867

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1	NRSIRS2RAPID	3	1	1	58.356

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 (G140H/F100LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	2888.6
2	2 (G140M/F100LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	1575.6
3	3 (G235H/F170LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	2232.1
4	4 (G235M/F170LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	1575.6
5	5 (G395H/F290LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	1356.767
6	6 (G395M/F290LP)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	831.567
7	7 (PRISM/CLEAR)	c1	3 Shutter Slitlet	9.1303320833333 32 Degrees 39.617352777777 775 Degrees	206.58373628932 208			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 206.5746 to 206.5746 Degrees (V3 68.0 to 68.0)

4 After 1 by 60.0 Days to <None specified>
4 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 5: pos 4g (all) + pos 5c (prism) Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#1) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#2) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#3) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#4) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#5) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#6) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Config c1 4g filled (#7) has 2 filler slit traces affected by failed open shutters.

(pos 4g (all) + pos 5c (prism) (Obs 5)) Warning (Form): Mode switch between TA and science exposures may cause thermal transient.

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

(Visit 5:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	F115W_refs-isolated-pruned_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) 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: F110W; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
2	Filter: F110W; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	After Target ACQ and New MSA Config	MSA Center	PN2538 pruned (1 sources)	Fillers pruned (8222 sources)	jwst-nirspec-hr	1.5

Proposal 6642 - Observation 5 - CAL-NRS-310: NIRSpec MOS wavelength calibration field check

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1110	9.114254	39.566413	20.30658934985744	1	4297	9.144698	39.591524	20.277220018166837
1	2161	9.104430	39.576951	19.76848888824548 2	1	4842	9.125793	39.595709	19.611110042971593
1	2774	9.152319	39.581004	20.240374712013068	1	5361	9.136567	39.599582	20.35026342140248
1	3869	9.088747	39.588201	20.28413287466	1	7634	9.121869	39.618084	19.76375653237653
Visit	**ID**	**RA**	**Dec**	**Magnitude**	**Visit**	**ID**	**RA**	**Dec**	**Magnitude**
2	1282	9.153687	39.568426	20.440279695823946	2	4209	9.081265	39.590710	19.60226743908645
2	1335	9.141665	39.569046	20.290167764695056	2	6258	9.126113	39.606471	20.786264392041428
2	2930	9.107607	39.582047	20.262309790746645	2	6471	9.135247	39.608274	20.502489945825815
2	3560	9.165161	39.586263	20.335034633529617	2	7634	9.121869	39.618084	19.76375653237653

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1 4g filled	NRSIRS2RAPID	3	1	1	58.356
2	5c.6642.p57c1e1n1	NRSIRS2RAPID	3	1	1	58.356

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 (G140H/F100LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	2888.6
2	2 (G140M/F100LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	1575.6
3	3 (G235H/F170LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	2232.1
4	4 (G235M/F170LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	1575.6
5	5 (G395H/F290LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	1356.767
6	6 (G395M/F290LP)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	831.567
7	7 (PRISM/CLEAR)	c1 4g filled	3 Shutter Slitlet	9.110617499999998 Degrees 39.588611111111 Degrees	223.0634804131181			3	3	700.267
8	7 (PRISM/CLEAR)	5c.6642.p57c1e1n1	3 Shutter Slitlet	9.133058333333334 Degrees 39.592133333333334 Degrees	223.07777881909922			3	3	700.267

Special Requirements

Sequence Visits within 53.0 Days
Visits Same PA
MSA Scheduled Aperture PA 223.0668 to 223.0668 Degrees (V3 84.4922 to 84.4922)

5 After 1 by 60.0 Days to <None specified>
5 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 6: pos 6f (prism)

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(pos 6f (prism) (Obs 6)) Warning (Form): Config c1 6f filled (#1) has 10 master background shutters affected by failed open or closed shutters.

(pos 6f (prism) (Obs 6)) Warning (Form): Config c1 6f filled (#1) has 2 filler slit traces affected by failed open shutters.

(pos 6f (prism) (Obs 6)) Warning (Form): Mode switch between TA and science exposures may cause thermal transient.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	F115W_refs-isolated-pruned_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) 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: F110W; Readout: NRSRAPID; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	After Target ACQ and New MSA Config	MSA Center	PN2538 pruned (1 sources)	Fillers pruned (8222 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1335	9.141665	39.569046	20.290167764695056	1	3702	9.087805	39.587138	20.716974559034
1	2571	9.096896	39.579344	20.84129908952541	1	3739	9.111985	39.587377	20.293217685340245
1	3420	9.134414	39.585101	20.3605940247094	1	3869	9.088747	39.588201	20.28413287466
1	3505	9.089141	39.585877	20.68758889275103	1	4665	9.099349	39.594391	20.273697896099883

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1 6f filled	NRSIRS2RAPID	3	1	1	58.356

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 6f filled	3 Shutter Slitlet	9.1077679166666 67 Degrees 39.566391666666 66 Degrees	216.90470654521 107			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 216.9098 to 216.9098 Degrees (V3 78.33524 to 78.33524)

6 After 1 by 60.0 Days to <None specified>
6 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 7: pos 7x (prism)

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(pos 7x (prism) (Obs 7)) Warning (Form): Mode switch between TA and science exposures may cause thermal transient.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	F115W_refs-isolated-pruned_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) 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: F110W; Readout: NRSRAPIDD6; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	After Target ACQ and New MSA Config	MSA Center	PN2538 pruned (1 sources)	Fillers pruned (8222 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	4671	9.132194	39.594395	21.901408164647435	1	6004	9.127407	39.604388	21.45021665456662
1	5144	9.117335	39.598013	21.64747960722812	1	6932	9.128862	39.612379	21.870695238684547
1	5439	9.138162	39.600191	21.599948405398667	1	7731	9.101348	39.618894	21.91103668079167
1	5977	9.131419	39.604218	21.368176492510315	1	8280	9.090005	39.626204	21.783280396948854

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1	NRSIRS2RAPID	3	1	1	58.356

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	9.125960000000001 Degrees 39.625983333333 33 Degrees	234.92168148529626			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 234.9153 to 234.9153 Degrees (V3 96.340775 to 96.340775)

7 After 1 by 60.0 Days to <None specified>
7 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 8: pos 8k (prism) Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(pos 8k (prism) (Obs 8)) Warning (Form): Config c1 (#1) has 1 filler slit traces affected by failed open shutters.

(pos 8k (prism) (Obs 8)) Warning (Form): Config c1 (#1) has 1 filler slits affected by failed closed shutters.

(pos 8k (prism) (Obs 8)) Warning (Form): Mode switch between TA and science exposures may cause thermal transient.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	F115W_refs-isolated-pruned_MSA	RA: 00 36 27.8011 (9.1158379d) Dec: +39 35 33.45 (39.59263d) 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: F110W; Readout: NRSRAPIDD6; 8 sources in 2 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	After Target ACQ and New MSA Config	MSA Center	PN2538 pruned (1 sources)	Fillers pruned (8222 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	3651	9.109245	39.586746	21.842109120981927	1	8170	9.066823	39.624333	21.673621660079704
1	3982	9.114776	39.589018	21.32400858171018	1	8280	9.090005	39.626204	21.783280396948854
1	4095	9.094751	39.589693	21.79992392099112	1	8415	9.072970	39.628623	21.852316719807718
1	7731	9.101348	39.618894	21.91103668079167	1	8589	9.081912	39.633584	21.307635062068226

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	c1	NRSIRS2RAPID	3	1	1	58.356

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	9.0759125 Degrees 39.599352777777 78 Degrees	236.90474879688 986			3	3	700.267

Special Requirements

MSA Scheduled Aperture PA 236.9302 to 236.9302 Degrees (V3 98.355644 to 98.355644)

8 After 1 by 60.0 Days to <None specified>
8 After 9 by 60 Days to 200 Days

Observation

Proposal 6642, Observation 9: prism check

Wed Dec 11 21:01:29 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(prism check (Obs 9)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	M31_PN2538-new	RA: 00 36 28.8000 (9.1200000d) Dec: +39 35 26.40 (39.59067d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Line spread function, Planetary nebulae, Wavelength]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB2048	F140X	NRSRAPIDD6	3	1	1	14.452	

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	SUBS200A1

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSRAPID	80	1	1	NONE	3	3	378.655	

Special Requirements
2 After 9 by 60 Days to 200 Days 3 After 9 by 60 Days to 200 Days 4 After 9 by 60 Days to 200 Days 5 After 9 by 60 Days to 200 Days 6 After 9 by 60 Days to 200 Days 7 After 9 by 60 Days to 200 Days 8 After 9 by 60 Days to 200 Days 9 After 10 by 0 Days to 60 Days