



## 3215 - Unveiling the Redshift Frontier with JWST

Cycle: 2, Proposal Category: GO

### INVESTIGATORS

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JWST Proposal 3215 (Created: Friday, November 17, 2023 at 1:01:35 PM Eastern Standard Time) - Overview

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Jakob Helton (CoI)	University of Arizona
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Dr. Zhiyuan Ji (CoI)	University of Arizona
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Mr. David Puskas (CoI) (ESA Member)	University of Cambridge
Dr. Stefi A. Baum (CoI) (CSA Member)	University of Manitoba

**OBSERVATIONS**

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1	REDSHIFT_FRONTIER	NIRSpec MultiObject Spectroscopy	(1) 3215_deepjwst_trim2test1clean1
	901	REDSHIFT_FRONTIER re-observation	NIRSpec MultiObject Spectroscopy	(1) 3215_deepjwst_trim2test1clean1

## **ABSTRACT**

We will conduct a deep 6-filter medium-band JWST/NIRCam imaging survey designed to robustly identify galaxies at the redshift frontier,  $z > 15$ . The abundance and properties of these infant galaxies are extremely sensitive to assumptions in models of galaxy formation and offer the opportunity for novel discoveries about the physics of the early Universe. We propose to reach a depth, 2 nJy (5-sigma, 0.1" radius), capable of detecting these galaxies in a wide range of scenarios. We argue that medium-band imaging from 1.62 to 3.35 microns is critical for isolating the sharp Ly-alpha dropout and separating these galaxies from mid-redshift contaminants. Our survey leverages 55 hrs of Cycle 1 wide-band GOODS-S observations and will produce a superb 14-band NIRCam data set for legacy science.

We will conduct this survey as Coordinated Parallels to deep NIRSpec multi-object spectroscopy. We will obtain exquisite spectroscopy, up to 59 hrs with the PRISM and 47 hrs with the G395M grating, of nearly 200 NIRCam-selected  $z > 5$  galaxy candidates in and around the Hubble Ultra Deep Field. These spectra will provide detailed information about individual high-redshift galaxies, not just stacks or averages, allowing us to study the chemical enrichment, stellar populations, star-formation histories, and nuclear black holes in the first billion years of the Universe.

## **OBSERVING DESCRIPTION**

We will carry out deep exposures with NIRSpec MSA and NIRCam in GOODS-S. NIRCam is "scientifically prime", but NIRSpec is required to be operationally prime.

There are 5 dither positions, based on 5 pairs of MSA configurations, one for the PRISM and one for the two grating selections. At each dither position, we use 3-shutter nods in a total of 9 disperser/filter pairings. The PRISM occupies 5 of the 9 and G395M the other 4. NIRCam uses 3 pairs of SW/LW filters. In each pairing and nod location, NIRSpec uses 2 integrations of 19 groups and NIRCam uses 2 integrations of 7 groups of DEEP8.

The 5 dithers are used so as to supply 15 separate dither locations for the NIRCam images, enough pixel diversity to assure good reductions. The dithers also give pixel redundancy in NIRSpec, which is valuable for deep exposures.

The automatic visit splitting of the APT splits the total program into 5 equal visits, one for each MSA pair, as desired.

At each position, a MSA configuration was created for the PRISM/CLEAR setup and the gratings separately. Some spectral overlap is allowed for

the gratings with the aim of obtaining spectra of many of the same sources in the prism and grating. Overlap is not allowed for the prism spectra.

Because we are using deep broadband imaging from a Cycle 1 program, it is required that these observations occur at V3 PA of 321 degrees.

The exact pointing locations are not final, but will differ only by a few arcseconds.

We include a target list of  $z > 5$  galaxy candidates, as well as filler  $z < 5$  targets, from a draft catalog from JADES (program 1180, Eisenstein, private communication). MSAs will need to be redesigned for flight, e.g., to account for changes in the bad-shutter mask.

Proposal 3215 - Targets - Unveiling the Redshift Frontier with JWST

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	3215_deepjwst_trim2test1clean1	RA: 03 32 35.6199 (53.1484162d) Dec: -27 47 41.85 (-27.79496d) Equinox: J2000		
	<i>Comments:</i> Description=[]				

# Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

<b>Observation</b>	<p><b>Proposal 3215, Observation 1: REDSHIFT_FRONTIER</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCам Imaging</p>
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Fri Nov 17 18:01:35 GMT 2023



## Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

(REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5g (#38) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5g (#39) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5g (#40) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5g (#41) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5p (#42) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5p (#43) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5p (#44) has 3 primary slit traces affected by failed open shutters.  
 (REDSHIFT\_FRONTIER (Obs 1)) Warning (Form): Config p5p (#45) has 3 primary slit traces affected by failed open shutters.  
 (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.  
 (Visit 1:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.  
 (Visit 1:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	3215_deepjwst_trim2test1clean1	RA: 03 32 35.6199 (53.1484162d) Dec: -27 47 41.85 (-27.79496d) Equinox: J2000		
	<i>Comments:</i> Description=[]				

Acquisition	NIRSpec MultiObject Spectroscopy	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	
	2	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [ Optimal TA Accuracy ]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	
	3	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [ Optimal TA Accuracy ]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	
	4	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [ Optimal TA Accuracy ]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	
	5	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [ Optimal TA Accuracy ]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	



# Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

Template	NIRSpec MultiObject Spectroscopy					NIRCam Imaging				
		TA Method: MSATA Obtain Confirmation Images: No Science Aperture: MSA Center Primary Candidate List: 3215_deepjwst_trim2test1clean1 (31975 sources) Filler Candidate List: null Spectral Overlap Map: jwst-nirspec-hr Spectral Overlap Threshold: 1.5					Module: ALL Subarray: FULL Target Placement: Module Gap			
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
	1	106655	53.109419	-27.808496	25.25	1	199494	53.114907	-27.810308	25.22
	1	109948	53.120790	-27.803393	25.16	1	202147	53.120509	-27.800716	25.13
	1	129109	53.111899	-27.776048	25.4	1	206345	53.131743	-27.785630	24.15
	1	198662	53.109533	-27.813602	24.29	1	212950	53.132665	-27.765488	24.97
	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
	2	106655	53.109419	-27.808496	25.25	2	199494	53.114907	-27.810308	25.22
	2	111246	53.162232	-27.801291	25.5	2	201179	53.147716	-27.804073	25.41
	2	129109	53.111899	-27.776048	25.4	2	202147	53.120509	-27.800716	25.13
	2	198662	53.109533	-27.813602	24.29	2	212950	53.132665	-27.765488	24.97
	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
	3	106655	53.109419	-27.808496	25.25	3	198662	53.109533	-27.813602	24.29
	3	111246	53.162232	-27.801291	25.5	3	199494	53.114907	-27.810308	25.22
	3	129109	53.111899	-27.776048	25.4	3	201179	53.147716	-27.804073	25.41
	3	132493	53.116443	-27.771901	24.6	3	202147	53.120509	-27.800716	25.13
	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
	4	106655	53.109419	-27.808496	25.25	4	199494	53.114907	-27.810308	25.22
	4	111246	53.162232	-27.801291	25.5	4	201179	53.147716	-27.804073	25.41
	4	129109	53.111899	-27.776048	25.4	4	202147	53.120509	-27.800716	25.13
	4	198662	53.109533	-27.813602	24.29	4	212950	53.132665	-27.765488	24.97
Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	
5	106655	53.109419	-27.808496	25.25	5	198662	53.109533	-27.813602	24.29	
5	111246	53.162232	-27.801291	25.5	5	199494	53.114907	-27.810308	25.22	
5	129109	53.111899	-27.776048	25.4	5	201179	53.147716	-27.804073	25.41	
5	132493	53.116443	-27.771901	24.6	5	202147	53.120509	-27.800716	25.13	
Dithers	#	Dither Type								
	1	NONE								

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
Spectral Elements	1	1 (G395M/F290LP)	p1g	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	2	1 (G395M/F290LP)	p1g	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	3	1 (G395M/F290LP)	p1g	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	4	1 (G395M/F290LP)	p1g	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	5	2 (G140M/F070LP)	p1g	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	6	3 (PRISM/CLEAR)	p1p	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	7	3 (PRISM/CLEAR)	p1p	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	8	3 (PRISM/CLEAR)	p1p	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	9	3 (PRISM/CLEAR)	p1p	3 Shutter Slitlet	53.140892083333 334 Degrees - 27.791430555555 564 Degrees	99.578102138372 09			3	6	8403.201
	10	1 (G395M/F290LP)	p3g	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
	11	1 (G395M/F290LP)	p3g	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
	12	1 (G395M/F290LP)	p3g	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
	13	1 (G395M/F290LP)	p3g	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
	14	2 (G140M/F070LP)	p3g	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
15	3 (PRISM/CLEAR)	p3p	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
16	3 (PRISM/CLEAR)	p3p	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
17	3 (PRISM/CLEAR)	p3p	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
18	3 (PRISM/CLEAR)	p3p	3 Shutter Slitlet	53.1408635 Degrees - 27.791576388888 87 Degrees	99.578115239206 6			3	6	8403.201
19	1 (G395M/F290LP)	p4g	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
20	1 (G395M/F290LP)	p4g	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
21	1 (G395M/F290LP)	p4g	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
22	1 (G395M/F290LP)	p4g	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
23	2 (G140M/F070LP)	p4g	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
24	3 (PRISM/CLEAR)	p4p	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
25	3 (PRISM/CLEAR)	p4p	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
26	3 (PRISM/CLEAR)	p4p	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
27	3 (PRISM/CLEAR)	p4p	3 Shutter Slitlet	53.140834916666 66 Degrees - 27.791722777777 75 Degrees	99.578128339592 91			3	6	8403.201
28	1 (G395M/F290LP)	p2g	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
29	1 (G395M/F290LP)	p2g	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
30	1 (G395M/F290LP)	p2g	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
31	1 (G395M/F290LP)	p2g	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
32	2 (G140M/F070LP)	p2g	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
33	3 (PRISM/CLEAR)	p2p	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
34	3 (PRISM/CLEAR)	p2p	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
35	3 (PRISM/CLEAR)	p2p	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
36	3 (PRISM/CLEAR)	p2p	3 Shutter Slitlet	53.140877791666 66 Degrees - 27.791503055555 552 Degrees	99.578108689285 17			3	6	8403.201
37	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
38	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
39	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
40	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
41	2 (G140M/F070LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
42	3 (PRISM/CLEAR)	p5p	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
43		3 (PRISM/CLEAR)	p5p	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
44		3 (PRISM/CLEAR)	p5p	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
45		3 (PRISM/CLEAR)	p5p	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Spectral Elements	1	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	2	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	3	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	4	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	5	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	6	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	7	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	8	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	9	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	10	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	11	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	12	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	13	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	14	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	15	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	16	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	17	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	18	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	19	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	20	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	21	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	22	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	23	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	24	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	25	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	26	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	27	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	28	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	29	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	30	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	31	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	32	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	33	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	34	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	35	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	36	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	37	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	38	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
	39	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	40	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	41	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	42	F182M	F250M	DEEP8	7	2	6	3	8278.05	
	43	F210M	F300M	DEEP8	7	2	6	3	8278.05	

Proposal 3215 - Observation 1 - Unveiling the Redshift Frontier with JWST

	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	44	F210M	F300M	DEEP8	7	2	6	3	8278.05	
	45	F210M	F300M	DEEP8	7	2	6	3	8278.05	
<b>Special Requirements</b>	Group Visits within 53.0 Days Aperture PA Range 99.57459 to 99.5746 Degrees (V3 321.0000203 to 321.0000303) Visits Same PA No Parallel Attachments Background Limited. Background no more than 40th percentile above minimum MSA Scheduled Aperture PA 99.5746 to 99.5746 Degrees (V3 321.00003 to 321.00003)									

# Proposal 3215 - Observation 901 - Unveiling the Redshift Frontier with JWST

Fri Nov 17 18:01:35 GMT 2023

<b>Observation</b>	<b>Proposal 3215, Observation 901: REDSHIFT_FRONTIER re-observation</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging																																																												
	(REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5g (#1) has 3 primary slit traces affected by failed open shutters. (REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5g (#2) has 3 primary slit traces affected by failed open shutters. (REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5g (#3) has 3 primary slit traces affected by failed open shutters. (REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5g (#4) has 3 primary slit traces affected by failed open shutters. (REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5g (#5) has 3 primary slit traces affected by failed open shutters. (REDSHIFT_FRONTIER re-observation (Obs 901)) Warning (Form): Config p5p (#6) has 3 primary slit traces affected by failed open shutters. (Visit 901:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																												
<b>Diagnostics</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>3215_deepjwst_trim2test1clean1</td> <td>RA: 03 32 35.6199 (53.1484162d) Dec: -27 47 41.85 (-27.79496d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> Comments: Description=[]											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(1)	3215_deepjwst_trim2test1clean1	RA: 03 32 35.6199 (53.1484162d) Dec: -27 47 41.85 (-27.79496d) Equinox: J2000																																										
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Proposal 3215 - Observation 901 - Unveiling the Redshift Frontier with JWST

	NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
<b>Spectral Elements</b>	1	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
	2	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
	3	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
	4	1 (G395M/F290LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
	5	2 (G140M/F070LP)	p5g	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
	6	3 (PRISM/CLEAR)	p5p	3 Shutter Slitlet	53.140820583333 33 Degrees - 27.791796111111 125 Degrees	99.578134909073 17			3	6	8403.201
<b>Spectral Elements</b>	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	F335M	DEEP8	7	2	6	3	8278.05		
	2	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05		
	3	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05		
	4	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05		
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<b>Special Requirements</b>	Aperture PA Range 99.57459 to 99.57459 Degrees (V3 321.0000203 to 321.0000203) [MSA Selected] No Parallel Attachments Background Limited. Background no more than 40th percentile above minimum MSA Scheduled Aperture PA 99.5746 to 99.5746 Degrees (V3 321.0000203 to 321.0000203)										