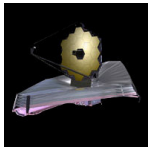

1181 - NIRCam-NIRSpec galaxy assembly survey - GOODS-N

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Medium/HST Folder				
	8	Medium/HST F1	NIRSpec MultiObject Spectroscopy	(12) TARGET-OBSERVATION-8
	9	Medium/HST F2	NIRSpec MultiObject Spectroscopy	(13) TARGET-OBSERVATION-9
	10	Medium/HST F3	NIRSpec MultiObject Spectroscopy	(14) TARGET-OBSERVATION-10
	11	Medium/HST F4	NIRSpec MultiObject Spectroscopy	(15) TARGET-OBSERVATION-11
	12	Medium/HST F5	NIRSpec MultiObject Spectroscopy	(16) TARGET-OBSERVATION-12
	13	Medium/HST F6	NIRSpec MultiObject Spectroscopy	(17) TARGET-OBSERVATION-13
NIRCam+MIRI Medium Folder				
	7	NIRCam+MIRI Medium	NIRCam Imaging	(11) GOODS-N-MEDIUM07
Medium/JWST Folder				
	14	Medium/JWST F1	NIRSpec MultiObject Spectroscopy	(18) TARGET-OBSERVATION-14
	15	Medium/JWST F2	NIRSpec MultiObject Spectroscopy	(19) TARGET-OBSERVATION-15
	16	Medium/JWST F3	NIRSpec MultiObject Spectroscopy	(20) TARGET-OBSERVATION-16
	17	Medium/JWST F4	NIRSpec MultiObject Spectroscopy	(21) TARGET-OBSERVATION-17

ABSTRACT

We will conduct an ambitious deep-field survey to study the formation and evolution of galaxies from z 12 to z 2. Our program combines NIRSpec, NIRCam, and MIRI data, alongside the deepest data from HST, Chandra, ALMA, and JVLA, to produce an unprecedented view of high-redshift galaxies. The program is a collaboration of the NIRSpec and NIRCam GTO teams, and it combines imaging and spectroscopy as well as full use of coordinated parallel observations to get the best out of all three instruments. Indeed, to pursue a detailed understanding of galaxy evolution, the combination of imaging and spectroscopy is critical. By bringing these data sets together on a single field, we will carry out systematic investigations far beyond the sum of the parts.

This survey will provide the rest-frame optical data of sufficient area, depth, and spectral resolutions to map galaxy population properties, including the joint distribution of stellar mass, luminosity, star formation rate, stellar ages, sizes, metallicity, nuclear activity, gas kinematics, and outflows, over a wide range of redshifts. Broadly speaking, spectroscopy (at R = 100, 1000, and 2700) provides precise and robust redshifts, measurement of the stellar continuum, and emission lines to z 10 and beyond. The emission lines allow us to diagnose the galaxies' star formation rate (SFR), metallicities, chemical abundances, the ISM dust-reddening, and the ISM excitation, including signatures of AGNs. Low-resolution spectroscopy (R=100) for the brighter objects can also diagnose the stellar populations (especially the stellar age distribution). High-resolution spectroscopy (R=2700) can diagnose internal galaxy kinematics and outflows.

The multi-wavelength NIRCam imaging will allow the detection, selection and characterization of galaxies to z = 15 and perhaps beyond. It will determine colors, morphological structure, and color gradients, while supplying photometric redshifts, stellar mass, and star formation rate estimates along with measures of equivalent widths of the strongest emission lines. The depth reached is unparalleled and will lead to luminosity functions to substantially higher redshift and lower mass than can be done with HST. Deep MIRI imaging will enable a rest-frame infrared view of subset of our sample, testing the assumptions of our UV/optical modeling and revealing heavily obscured stellar populations and nuclear activity. Combination with external data from Chandra, JVLA, and ALMA will further explore nuclear activity and dusty star formation. We expect that this carefully constructed survey will provide a primary legacy dataset for many years to come.

Warning: The pointing positions in this APT file are not yet final as the mosaic positions depend upon the field orientation which in turn depends on the as yet undetermined date of observation. Additionally, the NIRSpec MOS target catalog(s) included in this APT file are a placeholder for the actual catalogs that will be revised depending upon the final pointing positions and, in some cases, the analysis of NIRCam pre-imaging. An explanation of these issues and full field NIRSpec MOS target catalogs are available at https://issues.cosmos.esa.int/jwst-nirspecwiki/pages/viewpage.action?pageId=3473486

OBSERVING DESCRIPTION

This APT file contains two sets of observations:

The first set (observations 7,8,9,10,11,12,13) performs a NIRCam "pre-imaging" mosaic in the GOODS-N field using NIRCam as primary with MIRI as the parallel instrument (observation 7) and NIRSpec as primary with NIRCam as parallel (observations 8,9,10,11,12,13), but with the NIRSpec positions chosen such that NIRCam images are contiguous.

The second set (observations 14,15,16,17) are NIRSpec MSA follow-up of this NIRCam mosaic, also with NIRCam parallel observations.

The first set are constrained to be observed at orientation 240<V3PA<250 to provide a good alignment of the NIRCam Border parallels with existing data.

There is a scheduling constraint that the MSA follow-up comes >60 days after the NIRCam pre-imaging.

Medium/HST (observations 8,9,10,11,12,13)
NIRCam GTO team observations of GOODS-N with NIRSpec in parallel.
Mosaic positions correct for V3PA=245 (NIRSpec MSA PA=23.49). All positions need to be changed for any other PA.

NIRcam+MIRI Medium (observation 7)
NIRCam GTO team observations of GOODS-N with MIRI in parallel.
Mosaic positions correct for V3PA=245. Position need to be changed for any other PA.

Medium/JWST (observations 14,15,16,17)
NIRSpec GTO team observations of GOODS-N with NIRCam border in parallel
Mosaic positions correct for V3PA=155 (NIRSpec MSA PA=293.49). All positions need to be changed for any other PA.

A note on NIRSpec MSA catalog and configurations

A dummy, very small catalog was used to prepare these configurations to avoid the problem of slow loading of APT files with large catalogs used in many MSA configurations.

Real target catalogs are included in the MPT part of the APT file, but was not used in these dummy configurations.

The actual targets entering the MSA shutters will be defined, with target prioritisation, only after the instrument distortion is characterized during commissioning, and for the Medium/JWST after analysis of NIRCam pre-imaging. See https://issues.cosmos.esa.int/jwst-nirspecwiki/pages/viewpage.action?pageId=3473486 for details

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	GOODS-N-MEDIUM07	RA: 12 36 47.1200 (189.1963333d) Dec: +62 16 14.54 (62.27071d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000	
Comments: *Category=Unidentified* *Description=[High Latitude Field]* *Extended=YES*				
(12)	TARGET-OBSERVATION-8	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 8 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				
(13)	TARGET-OBSERVATION-9	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 9 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				
(14)	TARGET-OBSERVATION-10	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 10 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				
(15)	TARGET-OBSERVATION-11	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 11 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				
(16)	TARGET-OBSERVATION-12	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 12 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				
(17)	TARGET-OBSERVATION-13	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		
Comments: This target was generated automatically for MSA Observation 13 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*				

(18)	TARGET-OBSERVATION-14	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000	
Comments: This target was generated automatically for MSA Observation 14 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*			
(19)	TARGET-OBSERVATION-15	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000	
Comments: This target was generated automatically for MSA Observation 15 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*			
(20)	TARGET-OBSERVATION-16	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000	
Comments: This target was generated automatically for MSA Observation 16 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*			
(21)	TARGET-OBSERVATION-17	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000	
Comments: This target was generated automatically for MSA Observation 17 *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]* *Extended=YES*			

Observation

Proposal 1181, Observation 8: Medium/HST F1 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TARGET-OBSERVATION-8	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 8
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 9: Medium/HST F2 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	TARGET-OBSERVATION-9	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 9
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 10: Medium/HST F3 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	TARGET-OBSERVATION-10	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 10
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 11: Medium/HST F4 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	TARGET-OBSERVATION-11	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 11
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 12: Medium/HST F5 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	TARGET-OBSERVATION-12	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 12
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 13: Medium/HST F6 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	TARGET-OBSERVATION-13	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 13
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

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	F115W	F444W	DEEP8	6	1	3	3	3478.713	
2	F150W	F356W	DEEP8	5	1	3	3	2834.507	
3	F200W	F277W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	6	1	3	3	3478.713	
5	F090W	F410M	DEEP8	6	1	3	3	3478.713	
6	F200W	F277W	DEEP8	5	1	3	3	2834.507	
7	F150W	F356W	DEEP8	5	1	3	3	2834.507	
8	F115W	F444W	DEEP8	6	1	3	3	3478.713	

Special Requirements

No Parallel
MSA Planned Aperture PA 23.49234 to 23.49234 Degrees (V3 245.0 to 245.0)

Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 7: NIRCam+MIRI Medium Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	GOODS-N-MEDIUM07	RA: 12 36 47.1200 (189.1963333d) Dec: +62 16 14.54 (62.27071d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	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	F090W	F444W	DEEP8	6	1	6	6	6957.427	
2	F115W	F410M	DEEP8	6	1	6	6	6957.427	
3	F150W	F277W	MEDIUM8	9	1	6	6	5669.015	
4	F200W	F356W	MEDIUM8	9	1	6	6	5669.015	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1280W	SLOW	24	2	1		6	12	6880.297	
2	F1280W	SLOW	24	2	1		6	12	6880.297	
3	F1280W	SLOW	20	2	1		6	12	5733.581	
4	F770W	SLOW	40	1	1		6	6	5733.581	

Special Requirements	
	Aperture PA Range 239.887474 to 249.887474 Degrees (V3 240.0 to 250.0) No Parallel 14 After 7 by 60 Days to 500 Days 15 After 7 by 60 Days to 500 Days 16 After 7 by 60 Days to 500 Days 17 After 7 by 60 Days to 500 Days Same V3 PA 7, 8, 9, 10, 11, 12, 13 (Aperture PAs differ)

Observation

Proposal 1181, Observation 14: Medium/JWST F1 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	TARGET-OBSERVATION-14	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 14
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
2	G395M/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
5	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	13	1	NONE	3	3	2888.6	
6	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
9	G395M/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
10	G395H/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
11	G395H/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
12	G395M/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
13	G235M/F170LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
14	G140M/F070LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
15	PRISM/CLEAR	Configuration: p6c0	NRSIRS2	13	1	NONE	3	3	2888.6	

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	DEEP8	5	1	3	3	2834.507	
2	F115W	F444W	DEEP8	5	1	3	3	2834.507	
3	F115W	F444W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	5	1	3	3	2834.507	
5	F090W	F410M	DEEP8	5	1	3	3	2834.507	
6	F090W	F410M	DEEP8	5	1	3	3	2834.507	
7	F070W	F444W	DEEP8	5	1	3	3	2834.507	
8	F115W	F356W	DEEP8	5	1	3	3	2834.507	
9	F150W	F277W	DEEP8	5	1	3	3	2834.507	
10	F200W	F335M	DEEP8	5	1	3	3	2834.507	
11	F200W	F335M	DEEP8	5	1	3	3	2834.507	
12	F150W	F277W	DEEP8	5	1	3	3	2834.507	
13	F115W	F356W	DEEP8	5	1	3	3	2834.507	
14	F090W	F444W	DEEP8	5	1	3	3	2834.507	
15	F070W	F410M	DEEP8	5	1	3	3	2834.507	

Special Requirements	
	No Parallel On Hold NIRCam pre-imaging in observations 7, 8, 9, 10, 11, 12, 13. Observe > 60 days after. MSA Planned Aperture PA 293.49234 to 293.49234 Degrees (V3 155.0 to 155.0) 14 After 7 by 60 Days to 500 Days Same Aperture PA 14, 15, 16, 17

Observation

Proposal 1181, Observation 15: Medium/JWST F2 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	TARGET-OBSERVATION-15	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 15
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
2	G395M/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
5	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	13	1	NONE	3	3	2888.6	
6	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
9	G395M/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
10	G395H/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
11	G395H/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
12	G395M/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
13	G235M/F170LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
14	G140M/F070LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
15	PRISM/CLEAR	Configuration: p6c0	NRSIRS2	13	1	NONE	3	3	2888.6	

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	DEEP8	5	1	3	3	2834.507	
2	F115W	F444W	DEEP8	5	1	3	3	2834.507	
3	F115W	F444W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	5	1	3	3	2834.507	
5	F090W	F410M	DEEP8	5	1	3	3	2834.507	
6	F090W	F410M	DEEP8	5	1	3	3	2834.507	
7	F070W	F444W	DEEP8	5	1	3	3	2834.507	
8	F115W	F356W	DEEP8	5	1	3	3	2834.507	
9	F150W	F277W	DEEP8	5	1	3	3	2834.507	
10	F200W	F335M	DEEP8	5	1	3	3	2834.507	
11	F200W	F335M	DEEP8	5	1	3	3	2834.507	
12	F150W	F277W	DEEP8	5	1	3	3	2834.507	
13	F115W	F356W	DEEP8	5	1	3	3	2834.507	
14	F090W	F444W	DEEP8	5	1	3	3	2834.507	
15	F070W	F410M	DEEP8	5	1	3	3	2834.507	

Special Requirements	
	No Parallel On Hold NIRCam pre-imaging in observations 7, 8, 9, 10, 11, 12, 13. Observe > 60 days after. MSA Planned Aperture PA 293.49234 to 293.49234 Degrees (V3 155.0 to 155.0) 15 After 7 by 60 Days to 500 Days Same Aperture PA 14, 15, 16, 17

Observation

Proposal 1181, Observation 16: Medium/JWST F3 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	TARGET-OBSERVATION-16	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 16
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
2	G395M/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
5	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	13	1	NONE	3	3	2888.6	
6	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
9	G395M/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
10	G395H/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
11	G395H/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
12	G395M/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
13	G235M/F170LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
14	G140M/F070LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
15	PRISM/CLEAR	Configuration: p6c0	NRSIRS2	13	1	NONE	3	3	2888.6	

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	DEEP8	5	1	3	3	2834.507	
2	F115W	F444W	DEEP8	5	1	3	3	2834.507	
3	F115W	F444W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	5	1	3	3	2834.507	
5	F090W	F410M	DEEP8	5	1	3	3	2834.507	
6	F090W	F410M	DEEP8	5	1	3	3	2834.507	
7	F070W	F444W	DEEP8	5	1	3	3	2834.507	
8	F115W	F356W	DEEP8	5	1	3	3	2834.507	
9	F150W	F277W	DEEP8	5	1	3	3	2834.507	
10	F200W	F335M	DEEP8	5	1	3	3	2834.507	
11	F200W	F335M	DEEP8	5	1	3	3	2834.507	
12	F150W	F277W	DEEP8	5	1	3	3	2834.507	
13	F115W	F356W	DEEP8	5	1	3	3	2834.507	
14	F090W	F444W	DEEP8	5	1	3	3	2834.507	
15	F070W	F410M	DEEP8	5	1	3	3	2834.507	

Special Requirements	
	No Parallel On Hold NIRCam pre-imaging in observations 7, 8, 9, 10, 11, 12, 13. Observe > 60 days after. MSA Planned Aperture PA 293.49234 to 293.49234 Degrees (V3 155.0 to 155.0) 16 After 7 by 60 Days to 500 Days Same Aperture PA 14, 15, 16, 17

Observation

Proposal 1181, Observation 17: Medium/JWST F4 Tue Jun 25 23:01:11 GMT 2019

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(21)	TARGET-OBSERVATION-17	RA: 12 36 31.0000 (189.1291667d) Dec: +62 15 15.00 (62.25417d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 17
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies, Primordial galaxies, Starburst galaxies]
Extended=YES

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		SAME	F140X	Auto Acq MSA Config	NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
2	G395M/F290LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
5	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	13	1	NONE	3	3	2888.6	
6	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
9	G395M/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
10	G395H/F290LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
11	G395H/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
12	G395M/F290LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
13	G235M/F170LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
14	G140M/F070LP	Configuration: p5c0	NRSIRS2	13	1	NONE	3	3	2888.6	
15	PRISM/CLEAR	Configuration: p6c0	NRSIRS2	13	1	NONE	3	3	2888.6	

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	DEEP8	5	1	3	3	2834.507	
2	F115W	F444W	DEEP8	5	1	3	3	2834.507	
3	F115W	F444W	DEEP8	5	1	3	3	2834.507	
4	F090W	F410M	DEEP8	5	1	3	3	2834.507	
5	F090W	F410M	DEEP8	5	1	3	3	2834.507	
6	F090W	F410M	DEEP8	5	1	3	3	2834.507	
7	F070W	F444W	DEEP8	5	1	3	3	2834.507	
8	F115W	F356W	DEEP8	5	1	3	3	2834.507	
9	F150W	F277W	DEEP8	5	1	3	3	2834.507	
10	F200W	F335M	DEEP8	5	1	3	3	2834.507	
11	F200W	F335M	DEEP8	5	1	3	3	2834.507	
12	F150W	F277W	DEEP8	5	1	3	3	2834.507	
13	F115W	F356W	DEEP8	5	1	3	3	2834.507	
14	F090W	F444W	DEEP8	5	1	3	3	2834.507	
15	F070W	F410M	DEEP8	5	1	3	3	2834.507	

Special Requirements	
	No Parallel On Hold NIRCam pre-imaging in observations 7, 8, 9, 10, 11, 12, 13. Observe > 60 days after. MSA Planned Aperture PA 293.49234 to 293.49234 Degrees (V3 155.0 to 155.0) 17 After 7 by 60 Days to 500 Days Same Aperture PA 14, 15, 16, 17