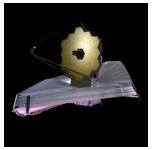

1287 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #3

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

Name	*Institution*
Dr. Kate Isaak (PI) (ESA Member)	**European Space Agency - ESTEC**
Dr. Marcia J. Rieke (CoI) (US Admin CoI)	University of Arizona
Dr. Pierre Ferruit (CoI) (ESA Member)	ESA-European Space Astronomy Centre
Dr. Nora Luetzgendorf (CoI) (ESA Member)	European Space Agency - ESTEC

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	1	GOODS-S Deep/JWST	NIRSpec MultiObject Spectroscopy	(3) 1287_trim_final_clean
	3	GOODS-S Deep/JWST	NIRSpec MultiObject Spectroscopy	(3) 1287_trim_final_clean

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.

OBSERVING DESCRIPTION
This file contains part of the "NIRSpec follow-up" phase of the overall program and specifically includes the NIRSpec DEEP/JWST observations with NIRCam imaging in parallel.

These observations have an "on hold" special requirement. The scheduling requirement is that the first observation in this file should be done at least 60 days after the last observation in the NIRCam "pre-imaging" program 1180 to allow time for data analysis and MSA configuration set-up.

*Deep/JWST**
NIRSpec GTO team observations of GOODS-S with NIRCam in parallel.
For V3PA=310 (NIRSpec MSA PA=88.49).
Note all positions may 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.
A real target catalog is 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 after analysis of NIRCam pre-imaging.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	1287_trim_final_clean	RA: 03 32 19.5327 (53.0813863d) Dec: -27 51 59.31 (-27.86647d) Equinox: J2000		

Comments:
Description=[]

Observation

Proposal 1287, Observation 1: GOODS-S Deep/JWST Fri Dec 06 18:00:48 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics	(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#17) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#17) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#18) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#18) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#19) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#19) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#20) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_g (#20) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#21) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#21) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#21) has 7 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#22) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#22) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#22) has 7 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#23) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#23) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#23) has 7 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#24) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#24) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa1_p (#24) has 7 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#1) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#1) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#2) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#2) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#3) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#3) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#4) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_g (#4) has 7 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#5) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#5) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#5) has 5 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#6) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#6) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#6) has 5 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#7) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#7) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#7) has 5 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#8) has 1 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#8) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa2_p (#8) has 5 master background shutters affected by failed open or closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#10) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#10) has 3 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#11) has 3 primary slit traces affected by failed open shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#11) has 3 primary slits affected by failed closed shutters. (GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#12) has 3 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#12) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#9) has 3 primary slit traces affected by failed open shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_g (#9) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#13) has 1 master background shutters affected by failed open or closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#13) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#13) has 7 primary slit traces affected by failed open shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#14) has 1 master background shutters affected by failed open or closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#14) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#14) has 7 primary slit traces affected by failed open shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#15) has 1 master background shutters affected by failed open or closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#15) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#15) has 7 primary slit traces affected by failed open shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#16) has 1 master background shutters affected by failed open or closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#16) has 3 primary slits affected by failed closed shutters.
(GOODS-S Deep/JWST (Obs 1)) Warning (Form): Config c1 : ipa5_p (#16) has 7 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.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	1287_trim_final_clean	RA: 03 32 19.5327 (53.0813863d) Dec: -27 51 59.31 (-27.86647d) Equinox: J2000		

Comments:
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 3 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 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: 1287_trim_final_clean (55382 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-hr	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	58591	53.100664	-27.858490	25.20	1	165902	53.078854	-27.884155	23.70
1	162856	53.115819	-27.891452	23.50	1	174616	53.106900	-27.867992	24.93
1	162977	53.068536	-27.891253	24.57	1	179383	53.101398	-27.860365	24.91
1	165021	53.067325	-27.886327	24.44	1	179883	53.104668	-27.859798	24.45
Visit	**ID**	**RA**	**Dec**	**Magnitude**	**Visit**	**ID**	**RA**	**Dec**	**Magnitude**
2	162856	53.115819	-27.891452	23.50	2	174218	53.098269	-27.868726	24.22
2	162977	53.068536	-27.891253	24.57	2	174616	53.106900	-27.867992	24.93
2	165021	53.067325	-27.886327	24.44	2	179383	53.101398	-27.860365	24.91
2	165902	53.078854	-27.884155	23.70	2	179883	53.104668	-27.859798	24.45
Visit	**ID**	**RA**	**Dec**	**Magnitude**	**Visit**	**ID**	**RA**	**Dec**	**Magnitude**
3	47422	53.070005	-27.865030	25.40	3	165021	53.067325	-27.886327	24.44
3	58591	53.100664	-27.858490	25.20	3	165902	53.078854	-27.884155	23.70
3	162856	53.115819	-27.891452	23.50	3	174616	53.106900	-27.867992	24.93
3	162977	53.068536	-27.891253	24.57	3	179383	53.101398	-27.860365	24.91

Dithers

#	Dither Type
1	NONE

Spectral Elements

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
1	1 (G140M/F070LP)	c1 : ipa2_g	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
2	2 (G235M/F170LP)	c1 : ipa2_g	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
3	4 (G395H/F290LP)	c1 : ipa2_g	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
4	3 (G395M/F290LP)	c1 : ipa2_g	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
5	5 (PRISM/CLEAR)	c1 : ipa2_p	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
6	5 (PRISM/CLEAR)	c1 : ipa2_p	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
7	5 (PRISM/CLEAR)	c1 : ipa2_p	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
8	5 (PRISM/CLEAR)	c1 : ipa2_p	3 Shutter Slitlet	53.091930833333336 Degrees - 27.877138888888908 Degrees	191.56969999606358			3	6	8403.201
9	1 (G140M/F070LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
10	2 (G235M/F170LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
11	4 (G395H/F290LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
12	3 (G395M/F290LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
13	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
14	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees - 27.876841666666678 Degrees	191.56986741395949			3	6	8403.201

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	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
16	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
17	1 (G140M/F070LP)	c1 : ipa1_g	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
18	2 (G235M/F170LP)	c1 : ipa1_g	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
19	4 (G395H/F290LP)	c1 : ipa1_g	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
20	3 (G395M/F290LP)	c1 : ipa1_g	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
21	5 (PRISM/CLEAR)	c1 : ipa1_p	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
22	5 (PRISM/CLEAR)	c1 : ipa1_p	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
23	5 (PRISM/CLEAR)	c1 : ipa1_p	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201
24	5 (PRISM/CLEAR)	c1 : ipa1_p	3 Shutter Slitlet	53.09196458333333 Degrees -27.876994444444445 Degrees	191.56968404030006			3	6	8403.201

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	7	2	6	3	8278.05	
2	F090W	F410M	DEEP8	7	2	6	3	8278.05	
3	F090W	F410M	DEEP8	7	2	6	3	8278.05	
4	F200W	F277W	DEEP8	7	2	6	3	8278.05	
5	F150W	F356W	DEEP8	7	2	6	3	8278.05	
6	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
7	F182M	F300M	DEEP8	7	2	6	3	8278.05	
8	F115W	F444W	DEEP8	7	2	6	3	8278.05	
9	F115W	F444W	DEEP8	7	2	6	3	8278.05	
10	F115W	F410M	DEEP8	7	2	6	3	8278.05	
11	F115W	F410M	DEEP8	7	2	6	3	8278.05	
12	F200W	F277W	DEEP8	7	2	6	3	8278.05	
13	F150W	F356W	DEEP8	7	2	6	3	8278.05	
14	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
15	F182M	F300M	DEEP8	7	2	6	3	8278.05	
16	F090W	F444W	DEEP8	7	2	6	3	8278.05	
17	F115W	F444W	DEEP8	7	2	6	3	8278.05	
18	F150W	F356W	DEEP8	7	2	6	3	8278.05	
19	F150W	F356W	DEEP8	7	2	6	3	8278.05	
20	F090W	F410M	DEEP8	7	2	6	3	8278.05	
21	F115W	F444W	DEEP8	7	2	6	3	8278.05	
22	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
23	F182M	F300M	DEEP8	7	2	6	3	8278.05	
24	F200W	F277W	DEEP8	7	2	6	3	8278.05	

Special Requirements

Group Visits within 53.0 Days
Visits Same PA
No Parallel Attachments
MSA Scheduled Aperture PA 191.5746 to 191.5746 Degrees (V3 53.0 to 53.0)

Observation

Proposal 1287, Observation 3: GOODS-S Deep/JWST Fri Dec 06 18:00:49 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#1) has 3 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#1) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#2) has 3 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#2) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#3) has 3 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#3) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#4) has 3 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_g (#4) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#5) has 1 master background shutters affected by failed open or closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#5) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#5) has 7 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#6) has 1 master background shutters affected by failed open or closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#6) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#6) has 7 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#7) has 1 master background shutters affected by failed open or closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#7) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#7) has 7 primary slit traces affected by failed open shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#8) has 1 master background shutters affected by failed open or closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#8) has 3 primary slits affected by failed closed shutters.

(GOODS-S Deep/JWST (Obs 3)) Warning (Form): Config c1 : ipa5_p (#8) has 7 primary slit traces affected by failed open shutters.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	1287_trim_final_clean	RA: 03 32 19.5327 (53.0813863d) Dec: -27 51 59.31 (-27.86647d) Equinox: J2000		

Comments:
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 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: 1287_trim_final_clean (55382 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-hr	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	162856	53.115819	-27.891452	23.50	1	174218	53.098269	-27.868726	24.22
1	162977	53.068536	-27.891253	24.57	1	174616	53.106900	-27.867992	24.93
1	165021	53.067325	-27.886327	24.44	1	179383	53.101398	-27.860365	24.91
1	165902	53.078854	-27.884155	23.70	1	179883	53.104668	-27.859798	24.45

Dithers

#	Dither Type
1	NONE

Spectral Elements

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
1	1 (G140M/F070LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
2	2 (G235M/F170LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
3	4 (G395H/F290LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
4	3 (G395M/F290LP)	c1 : ipa5_g	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
5	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
6	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
7	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201
8	5 (PRISM/CLEAR)	c1 : ipa5_p	3 Shutter Slitlet	53.09157083333333 Degrees -27.876841666666678 Degrees	191.56986741395949			3	6	8403.201

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	7	2	6	3	8278.05	
2	F115W	F410M	DEEP8	7	2	6	3	8278.05	
3	F115W	F410M	DEEP8	7	2	6	3	8278.05	
4	F200W	F277W	DEEP8	7	2	6	3	8278.05	
5	F150W	F356W	DEEP8	7	2	6	3	8278.05	
6	F162M+F150W2	F335M	DEEP8	7	2	6	3	8278.05	
7	F182M	F300M	DEEP8	7	2	6	3	8278.05	
8	F090W	F444W	DEEP8	7	2	6	3	8278.05	

Special Requirements	
	Aperture PA Range 191.5746 to 191.5746 Degrees (V3 53.0000303 to 53.0000303) [MSA Selected] No Parallel Attachments MSA Scheduled Aperture PA 191.5746 to 191.5746 Degrees (V3 53.0000303 to 53.0000303)