



1212 - NIRSpec WIDE MOS Survey - GOODS-S

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Nora Luetzgendorf (PI) (ESA Member)	European Space Agency - ESTEC
Dr. Pierre Ferruit (CoI) (ESA Member)	ESA-European Space Astronomy Centre
Prof. Michael Maseda (CoI) (US Admin CoI) (Contact)	University of Wisconsin - Madison

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	8	WIDE_2010	NIRSpec MultiObject Spectroscopy	(2) GOODSS2010
	9	WIDE_2009	NIRSpec MultiObject Spectroscopy	(1) GOODSS2009
	3	WIDE_2011	NIRSpec MultiObject Spectroscopy	(3) GOODSS2011
	4	WIDE_2012	NIRSpec MultiObject Spectroscopy	(4) GOODSS2012
	5	WIDE_2013	NIRSpec MultiObject Spectroscopy	(5) GOODSS2013
	6	WIDE_2014	NIRSpec MultiObject Spectroscopy	(6) GOODSS2014
	7	WIDE_2015	NIRSpec MultiObject Spectroscopy	(7) GOODSS2015
	54	Replan_2012	NIRSpec MultiObject Spectroscopy	(4) GOODSS2012

ABSTRACT

This WIDE MOS survey lays out the widest-area portion of the NIRSpec MSA GTO galaxy evolution program, based on the premise that even the fastest (overhead-sensible) tiling of the sky opens up an observational discovery space that is unattainable by other means and scientifically compelling. The WIDE MOS survey will cover 31 pointings (7 in the GOODS-S field) with the R100 prism (40min integration) and the high-resolution R2700 Band II & III grating settings (30 min integration each). This program will provide continuum spectra for all sources in the targeted CANDELS fields with $m_{F160W} < 24.0$ mag (AB) and $z > 2$ (at R100 ~50 objects per field of view); emission line spectra (at R=100 and R2700 ~250

JWST Proposal 1212 (Created: Friday, November 17, 2023 at 6:01:28 PM Eastern Standard Time) - Overview

objects per field of view) for all objects with SED-expected H-emission lines fluxes $> 10^{-17}$ ergs/s/cm² (corresponding to star formation rates of 6M_{sun}/yr at $z \sim 3$). The main science drivers are: 1) a survey of 1-5m stellar continua at 10x higher resolution than photometry affords, constraining and calibrating SFR's and stellar population ages, 2) a comprehensive 1-5m survey of emission lines, to characterize the emission line properties (SFR, excitation and possibly [Fe/H]) of galaxies (mostly at $z > 4$), and 3) to systematically explore the population incidence of ionized gas outflows and kinematics of galaxies over a large range of properties and redshifts. This survey is also an excellent (and possibly rapid) legacy data set for follow-up by the GTO team and the community.

OBSERVING DESCRIPTION

Using JWST/NIRSpec we will observe hundreds of galaxies in the GOODS-S survey field with 7 MSA pointings as part of the “Physics of Galaxy Assembly MSA survey” (Programme 1212, PI: Luetzgendorf). Observations will be done in MSA mode with grating/filters PRISM, G235H/F170LP and G395H/F290LP. The observing strategy for the MSA currently consists of 3 nod in slits exposures for the PRISM and 2 nod in slits exposures for G235H and G395H grism. For PRISM and G235H we are taking a series of 55 groups of integrations and 60 groups for the G395H setup. In all cases we use the IRS2RAPID readout mode. An additional setup with the G140M/F100LP grism using 3 nod in slit exposures of 55 groups is added for one pointing to get blue continuum spectroscopy of a view high-priority targets.

Proposal 1212 - Targets - NIRSpec WIDE MOS Survey - GOODS-S

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GOODSS2009	RA: 03 32 12.6699 (53.0527912d) Dec: -27 43 54.97 (-27.73194d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(2)	GOODSS2010	RA: 03 32 35.6321 (53.1484671d) Dec: -27 42 16.18 (-27.70449d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(3)	GOODSS2011	RA: 03 32 16.8038 (53.0700158d) Dec: -27 47 56.59 (-27.79905d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(4)	GOODSS2012	RA: 03 32 19.1342 (53.0797258d) Dec: -27 51 8.52 (-27.85237d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(5)	GOODSS2013	RA: 03 32 34.9869 (53.1457787d) Dec: -27 49 26.59 (-27.82405d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(6)	GOODSS2014	RA: 03 32 27.6947 (53.1153946d) Dec: -27 53 46.86 (-27.89635d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				
(7)	GOODSS2015	RA: 03 32 41.1311 (53.1713796d) Dec: -27 53 0.40 (-27.88344d) Equinox: J2000		
<i>Comments:</i> <i>Description=[]</i>				

Fixed Targets

Proposal 1212 - Observation 8 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 8: WIDE_2010 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy																																																											
	(WIDE_2010 (Obs 8) Warning (Form): Config shutter_mask (#1) has 78 master background shutters affected by failed open or closed shutters. (WIDE_2010 (Obs 8) Warning (Form): Config shutter_mask (#2) has 78 master background shutters affected by failed open or closed shutters. (WIDE_2010 (Obs 8) Warning (Form): Config shutter_mask (#3) has 78 master background shutters affected by failed open or closed shutters. (WIDE_2010 (Obs 8) Warning (Form): Config shutter_mask (#4) has 78 master background shutters affected by failed open or closed shutters. (WIDE_2010 (Obs 8) Warning (Form): Config shutter_mask (#5) has 78 master background shutters affected by failed open or closed shutters. (Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
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Proposal 1212 - Observation 8 - NIRSpec WIDE MOS Survey - GOODS-S

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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.147297083333 33 Degrees - 27.718227777777 77 Degrees	88.522221635181 07			3	3	2450.934
2	1 (G235H/F170LP)	shutter_mask		53.147297083333 33 Degrees - 27.718227777777 77 Degrees	88.522144659368 44		1.0	1	1	816.978	
3	1 (G235H/F170LP)	shutter_mask		53.147297083333 33 Degrees - 27.718227777777 77 Degrees	88.522298617513 04		-1.0	1	1	816.978	
4	2 (G395H/F290LP)	shutter_mask		53.147297083333 33 Degrees - 27.718227777777 77 Degrees	88.522298617513 04		-1.0	1	1	889.922	
5	2 (G395H/F290LP)	shutter_mask		53.147297083333 33 Degrees - 27.718227777777 77 Degrees	88.522144659368 44		1.0	1	1	889.922	
Special Requirements	MSA Scheduled Aperture PA 88.5217 to 88.5217 Degrees (V3 309.94717 to 309.94717)										

Proposal 1212 - Observation 9 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 9: WIDE_2009 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy										
	(WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#1) has 67 master background shutters affected by failed open or closed shutters. (WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#2) has 67 master background shutters affected by failed open or closed shutters. (WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#3) has 67 master background shutters affected by failed open or closed shutters. (WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#4) has 67 master background shutters affected by failed open or closed shutters. (WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#5) has 67 master background shutters affected by failed open or closed shutters. (WIDE_2009 (Obs 9)) Warning (Form): Config shutter_mask (#6) has 67 master background shutters affected by failed open or closed shutters. (Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Diagnosics											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	GOODSS2009	RA: 03 32 12.6699 (53.0527912d) Dec: -27 43 54.97 (-27.73194d) Equinox: J2000								
<i>Comments: Description=[]</i>											
Acquisition	#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	Filter: CLEAR; Readout: NRSRAPIDD1; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD1	3	1	4	257.682	
Template	TA Method		Obtain Confirmation Images		Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold	
	MSATA		After Target ACQ		MSA Center	GOODSS2009 (9644 sources)		jwst-nirspec-hr		1.5	
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	
	1	2375	53.045290	-27.744873	22.38221560858312	1	6336	53.084504	-27.704277	22.69893687913569	
					4					7	
	1	4677	53.101558	-27.720969	24.22186781209419	1	6443	53.093493	-27.702569	23.71367532688582	
	1	5643	53.061717	-27.711773	23.92105307937597	1	6566	53.087206	-27.700323	23.70541071214637	
				3						4	
1	5899	53.096885	-27.708879	24.0853545778712	1	6567	53.082403	-27.701200	22.39732401604295		
										5	
Confirmation	#	Confirmation Type		Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		
	1	After Target Acq		NRSIRS2	3	1		1	233.422		

Proposal 1212 - Observation 9 - NIRSpec WIDE MOS Survey - GOODS-S

	#	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	4 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511214513812 58			3	3	2450.934
	2	2 (G235H/F170LP)	shutter_mask		53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511137479246 05		1.0	1	1	816.978
	3	2 (G235H/F170LP)	shutter_mask		53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511291554901 46		-1.0	1	1	816.978
	4	3 (G395H/F290LP)	shutter_mask		53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511291554901 46		-1.0	1	1	889.922
	5	3 (G395H/F290LP)	shutter_mask		53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511137479246 05		1.0	1	1	889.922
	6	1 (G140M/F100LP)	shutter_mask	3 Shutter Slitlet	53.069789166666 666 Degrees - 27.729186111111 12 Degrees	89.511214513812 58			3	3	2450.934
Special Requirements	MSA Scheduled Aperture PA 89.5191 to 89.5191 Degrees (V3 310.94452 to 310.94452)										

Proposal 1212 - Observation 3 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 3: WIDE_2011 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy																																																											
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	TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold																																																					
MSATA	After Target ACQ	MSA Center	GOODSS2011 (9693 sources)		rwst-nirspec-hr	1.5																																																						
Template	<table border="1"> <thead> <tr> <th>Visit</th> <th>ID</th> <th>RA</th> <th>Dec</th> <th>Magnitude</th> <th>Visit</th> <th>ID</th> <th>RA</th> <th>Dec</th> <th>Magnitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1012</td> <td>53.046881</td> <td>-27.831995</td> <td>23.56144825781981</td> <td>1</td> <td>3215</td> <td>53.044777</td> <td>-27.805454</td> <td>21.78389083641127</td> </tr> <tr> <td>1</td> <td>1465</td> <td>53.086380</td> <td>-27.825783</td> <td>22.67537045435826</td> <td>1</td> <td>3824</td> <td>53.079185</td> <td>-27.798812</td> <td>22.68330655473429</td> </tr> <tr> <td>1</td> <td>1571</td> <td>53.040644</td> <td>-27.824855</td> <td>22.99694419534766</td> <td>1</td> <td>4388</td> <td>53.043744</td> <td>-27.792425</td> <td>23.14124446252337</td> </tr> <tr> <td>1</td> <td>3173</td> <td>53.047316</td> <td>-27.806842</td> <td>21.73477324362104</td> <td>1</td> <td>5209</td> <td>53.092463</td> <td>-27.783328</td> <td>22.44554199165703</td> </tr> </tbody> </table>										Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	1	1012	53.046881	-27.831995	23.56144825781981	1	3215	53.044777	-27.805454	21.78389083641127	1	1465	53.086380	-27.825783	22.67537045435826	1	3824	53.079185	-27.798812	22.68330655473429	1	1571	53.040644	-27.824855	22.99694419534766	1	4388	53.043744	-27.792425	23.14124446252337	1	3173	53.047316	-27.806842	21.73477324362104	1	5209	53.092463	-27.783328	22.44554199165703
	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude																																																		
1	1012	53.046881	-27.831995	23.56144825781981	1	3215	53.044777	-27.805454	21.78389083641127																																																			
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Reference Stars	<table border="1"> <thead> <tr> <th>#</th> <th>Confirmation Type</th> <th>Conf. Readout Pattern</th> <th>Conf. Groups/Int</th> <th>Conf. Integrations/Exp</th> <th>Conf. Total Integrations</th> <th>Conf. Total Exposure Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>After Target Acq</td> <td>NRSIRS2</td> <td>3</td> <td>1</td> <td>1</td> <td>233.422</td> </tr> </tbody> </table>										#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	1	After Target Acq	NRSIRS2	3	1	1	233.422																																				
	#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time																																																					
1	After Target Acq	NRSIRS2	3	1	1	233.422																																																						
Confirmation																																																												

Proposal 1212 - Observation 3 - NIRSpec WIDE MOS Survey - GOODS-S

	#	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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.070129999999 99 Degrees - 27.811036111111 093 Degrees	89.486728781469 24			3	3	2450.934
	2	1 (G235H/F170LP)	shutter_mask		53.070129999999 99 Degrees - 27.811036111111 093 Degrees	89.486651479092 23		1.0	1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.070129999999 99 Degrees - 27.811036111111 093 Degrees	89.486806090391 97		-1.0	1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.070129999999 99 Degrees - 27.811036111111 093 Degrees	89.486806090391 97		-1.0	1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.070129999999 99 Degrees - 27.811036111111 093 Degrees	89.486651479092 23		1.0	1	1	889.922
Special Requirements	MSA Scheduled Aperture PA 89.4868 to 89.4868 Degrees (V3 310.9122 to 310.9122)										

Proposal 1212 - Observation 4 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 4: WIDE_2012 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy										
	(WIDE_2012 (Obs 4) Warning (Form): Config shutter_mask (#1) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2012 (Obs 4) Warning (Form): Config shutter_mask (#2) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2012 (Obs 4) Warning (Form): Config shutter_mask (#3) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2012 (Obs 4) Warning (Form): Config shutter_mask (#4) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2012 (Obs 4) Warning (Form): Config shutter_mask (#5) has 69 master background shutters affected by failed open or closed shutters. (Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Diagnostics											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(4)	GOODSS2012	RA: 03 32 19.1342 (53.0797258d) Dec: -27 51 8.52 (-27.85237d) Equinox: J2000								
<i>Comments: Description=[]</i>											
Acquisition	#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	Filter: CLEAR; Readout: NRSRAPIDD1; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD1	3	1	4	257.682	
Template	TA Method		Obtain Confirmation Images		Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold	
	MSATA		After Target ACQ		MSA Center	GOODSS2012 (8340 sources)		jwst-nirspec-hr		1.5	
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	
	1	181	53.103684	-27.861121	22.55329826793209	1	2498	53.101997	-27.834634	22.904843177851916	
	1	1328	53.043626	-27.847719	22.18753336410612	1	4946	53.060658	-27.882427	21.949314743122603	
	1	2367	53.102318	-27.836244	23.12734785985884	1	5001	53.087908	-27.881357	23.253571198094818	
	1	2451	53.047453	-27.834346	22.04016662439340	1	5024	53.058650	-27.880633	22.488645139956656	
Confirmation	#	Confirmation Type		Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		
	1	After Target Acq		NRSIRS2	3	1		1	233.422		

Proposal 1212 - Observation 4 - NIRSpec WIDE MOS Survey - GOODS-S

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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.071975 Degrees - 27.855633333333 344 Degrees	89.502706675961 63			3	3	2450.934
	2	1 (G235H/F170LP)	shutter_mask		53.071975 Degrees - 27.855633333333 344 Degrees	89.502629227145 01	1.0		1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.071975 Degrees - 27.855633333333 344 Degrees	89.502784131336 64	-1.0		1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.071975 Degrees - 27.855633333333 344 Degrees	89.502784131336 64	-1.0		1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.071975 Degrees - 27.855633333333 344 Degrees	89.502629227145 01	1.0		1	1	889.922
Special Requirements	MSA Scheduled Aperture PA 89.4991 to 89.4991 Degrees (V3 310.92456 to 310.92456)										

Proposal 1212 - Observation 5 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 5: WIDE_2013 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy																															
	(WIDE_2013 (Obs 5)) Warning (Form): Config shutter_mask (#1) has 64 master background shutters affected by failed open or closed shutters. (WIDE_2013 (Obs 5)) Warning (Form): Config shutter_mask (#2) has 64 master background shutters affected by failed open or closed shutters. (WIDE_2013 (Obs 5)) Warning (Form): Config shutter_mask (#3) has 64 master background shutters affected by failed open or closed shutters. (WIDE_2013 (Obs 5)) Warning (Form): Config shutter_mask (#4) has 64 master background shutters affected by failed open or closed shutters. (WIDE_2013 (Obs 5)) Warning (Form): Config shutter_mask (#5) has 64 master background shutters affected by failed open or closed shutters. (Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																															
Diagnostics	<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>(5)</td> <td>GOODSS2013</td> <td>RA: 03 32 34.9869 (53.1457787d) Dec: -27 49 26.59 (-27.82405d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(5)	GOODSS2013	RA: 03 32 34.9869 (53.1457787d) Dec: -27 49 26.59 (-27.82405d) Equinox: J2000														
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																											
(5)	GOODSS2013	RA: 03 32 34.9869 (53.1457787d) Dec: -27 49 26.59 (-27.82405d) Equinox: J2000																														
Comments: Description=[]																																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Filter: CLEAR; Readout: NRSRAPIDD1; 8 sources in 4 quads; [Optimal TA Accuracy]</td> <td>SAME</td> <td>CLEAR</td> <td>Auto Acq MSA Config</td> <td>NRSRAPIDD1</td> <td>3</td> <td>1</td> <td>4</td> <td>257.682</td> <td></td> </tr> </tbody> </table>										#	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: NRSRAPIDD1; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD1	3	1	4	257.682	
	#	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: NRSRAPIDD1; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD1	3	1	4	257.682																							
Acquisition																																
Template	TA Method		Obtain Confirmation Images		Science Aperture		Primary Candidate List		Filler Candidate List		Spectral Overlap Map	Spectral Overlap Threshold																				
	MSATA		After Target ACQ		MSA Center		GOODSS2013 (13106 sources)				jwst-nirspec-hr	1.5																				
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude																						
	1	295	53.167078	-27.859003	24.36860244818918	1	4578	53.132407	-27.814305	21.905689987818995																						
	1	1013	53.137165	-27.852232	22.09017529410831	1	4754	53.179342	-27.812593	22.154649485858418																						
	1	1471	53.144298	-27.845528	24.31655187240476	1	4996	53.163245	-27.809057	23.096628939509532																						
	1	1852	53.169247	-27.842775	22.19151423952383	1	5501	53.123139	-27.803459	21.907785798436528																						
Confirmation	#		Confirmation Type		Conf. Readout Pattern		Conf. Groups/Int		Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time																				
	1		After Target Acq		NRSIRS2		3		1		1	233.422																				

Proposal 1212 - Observation 5 - NIRSpec WIDE MOS Survey - GOODS-S

	#	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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.153825 Degrees - 27.830452777777 793 Degrees	89.553843599430 11			3	3	2450.934
	2	1 (G235H/F170LP)	shutter_mask		53.153825 Degrees - 27.830452777777 793 Degrees	89.553766232632 28	1.0		1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.153825 Degrees - 27.830452777777 793 Degrees	89.553920972779 14	-1.0		1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.153825 Degrees - 27.830452777777 793 Degrees	89.553920972779 14	-1.0		1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.153825 Degrees - 27.830452777777 793 Degrees	89.553766232632 28	1.0		1	1	889.922
Special Requirements	MSA Scheduled Aperture PA 89.5576 to 89.5576 Degrees (V3 310.98306 to 310.98306)										

Proposal 1212 - Observation 6 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 6: WIDE_2014 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy										
	(WIDE_2014 (Obs 6) Warning (Form): Config shutter_mask (#1) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2014 (Obs 6) Warning (Form): Config shutter_mask (#2) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2014 (Obs 6) Warning (Form): Config shutter_mask (#3) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2014 (Obs 6) Warning (Form): Config shutter_mask (#4) has 69 master background shutters affected by failed open or closed shutters. (WIDE_2014 (Obs 6) Warning (Form): Config shutter_mask (#5) has 69 master background shutters affected by failed open or closed shutters. (Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Diagnostics											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous			
	(6)	GOODSS2014	RA: 03 32 27.6947 (53.1153946d) Dec: -27 53 46.86 (-27.89635d) Equinox: J2000								
<i>Comments: Description=[]</i>											
Acquisition	#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	Filter: CLEAR; Readout: NRSRAPID; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
Template	TA Method		Obtain Confirmation Images		Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold	
	MSATA		After Target ACQ		MSA Center	GOODSS2014 (7078 sources)		jwst-nirspec-hr		1.5	
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	
	1	1182	53.148336	-27.914782	22.88222862300703	1	2980	53.146723	-27.888390	23.287614060595928	
	1	1513	53.146902	-27.909097	22.82278855784939	1	3119	53.133954	-27.886717	23.099536868367676	
	1	1876	53.133285	-27.902975	21.86739365075091	1	3126	53.148423	-27.885582	21.413207722541635	
	1	2741	53.115817	-27.891452	22.68939682197658	1	4006	53.130794	-27.877860	22.310715811652774	
Confirmation	#	Confirmation Type		Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		
	1	After Target Acq		NRSIRS2	3	1		1	233.422		

Proposal 1212 - Observation 6 - NIRSpec WIDE MOS Survey - GOODS-S

	#	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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.123460833333 33 Degrees - 27.898000000000 025 Degrees	89.514932889232 8			3	3	2450.934
	2	1 (G235H/F170LP)	shutter_mask		53.123460833333 33 Degrees - 27.898000000000 025 Degrees	89.514855301228 25	1.0		1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.123460833333 33 Degrees - 27.898000000000 025 Degrees	89.515010483807 9	-1.0		1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.123460833333 33 Degrees - 27.898000000000 025 Degrees	89.515010483807 9	-1.0		1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.123460833333 33 Degrees - 27.898000000000 025 Degrees	89.514855301228 25	1.0		1	1	889.922
Special Requirements	MSA Scheduled Aperture PA 89.5187 to 89.5187 Degrees (V3 310.94415 to 310.94415)										

Proposal 1212 - Observation 7 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 7: WIDE_2015 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy										
	(WIDE_2015 (Obs 7)) Warning (Form): Config shutter_mask (#1) has 72 master background shutters affected by failed open or closed shutters. (WIDE_2015 (Obs 7)) Warning (Form): Config shutter_mask (#2) has 72 master background shutters affected by failed open or closed shutters. (WIDE_2015 (Obs 7)) Warning (Form): Config shutter_mask (#3) has 72 master background shutters affected by failed open or closed shutters. (WIDE_2015 (Obs 7)) Warning (Form): Config shutter_mask (#4) has 72 master background shutters affected by failed open or closed shutters. (WIDE_2015 (Obs 7)) Warning (Form): Config shutter_mask (#5) has 72 master background shutters affected by failed open or closed shutters. (Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Diagnostics											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(7)	GOODSS2015	RA: 03 32 41.1311 (53.1713796d) Dec: -27 53 0.40 (-27.88344d) Equinox: J2000								
<i>Comments: Description=[]</i>											
Acquisition	#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	Filter: CLEAR; Readout: NRSRAPIDD1; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD1	3	1	4	257.682	
Template	TA Method		Obtain Confirmation Images		Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold	
	MSATA		After Target ACQ		MSA Center	GOODSS2015 (7364 sources)		jwst-nirspec-hr		1.5	
Reference Stars	Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude	
	1	1785	53.148336	-27.914782	22.88222862300703	1	2622	53.170930	-27.900525	21.93753682237365	
	1	2105	53.146902	-27.909097	22.82278855784939	1	3631	53.133954	-27.886717	23.09953686836767	
	1	2167	53.129980	-27.908207	23.09152440547837	1	3939	53.178679	-27.882662	23.36358072774786	
	1	2261	53.166285	-27.906197	22.93622057650641	1	4313	53.130794	-27.877860	22.31071581165277	
Confirmation	#	Confirmation Type		Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		
	1	After Target Acq		NRSIRS2	3	1		1	233.422		

Proposal 1212 - Observation 7 - NIRSpec WIDE MOS Survey - GOODS-S

	#	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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.156745833333 33 Degrees - 27.890555555555 58 Degrees	89.556015334044 84			3	3	2450.934
	2	1 (G235H/F170LP)	shutter_mask		53.156745833333 33 Degrees - 27.890555555555 58 Degrees	89.555937770027 51		1.0	1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.156745833333 33 Degrees - 27.890555555555 58 Degrees	89.556092904630 49		-1.0	1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.156745833333 33 Degrees - 27.890555555555 58 Degrees	89.556092904630 49		-1.0	1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.156745833333 33 Degrees - 27.890555555555 58 Degrees	89.555937770027 51		1.0	1	1	889.922
Special Requirements	MSA Scheduled Aperture PA 89.5492 to 89.5492 Degrees (V3 310.97467 to 310.97467)										

Proposal 1212 - Observation 54 - NIRSpec WIDE MOS Survey - GOODS-S

Fri Nov 17 23:01:28 GMT 2023

Observation	Proposal 1212, Observation 54: Replan_2012 Diagnostic Status: Warning Observing Template: NIRSpec MultiObject Spectroscopy <i>Comments: Repeat of Obs. 4</i>																																																											
	Diagnosics (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#1) has 24 primary slit traces affected by failed open shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#1) has 28 master background shutters affected by failed open or closed shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#2) has 24 primary slit traces affected by failed open shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#2) has 28 master background shutters affected by failed open or closed shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#3) has 24 primary slit traces affected by failed open shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#3) has 28 master background shutters affected by failed open or closed shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#4) has 24 primary slit traces affected by failed open shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#4) has 28 master background shutters affected by failed open or closed shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#5) has 24 primary slit traces affected by failed open shutters. (Replan_2012 (Obs 54)) Warning (Form): Config shutter_mask (#5) has 28 master background shutters affected by failed open or closed shutters. (Visit 54:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
Fixed Targets	<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>(4)</td> <td>GOODSS2012</td> <td>RA: 03 32 19.1342 (53.0797258d) Dec: -27 51 8.52 (-27.85237d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	GOODSS2012	RA: 03 32 19.1342 (53.0797258d) Dec: -27 51 8.52 (-27.85237d) Equinox: J2000																																										
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Proposal 1212 - Observation 54 - NIRSpec WIDE MOS Survey - GOODS-S

Confirmation	#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
		1	After Target Acq	NRSIRS2	3	1	1

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	3 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	53.080107083333 33 Degrees - 27.852402777777 797 Degrees	202.73682221735 3			3	3
	2	1 (G235H/F170LP)	shutter_mask		53.080107083333 33 Degrees - 27.852402777777 797 Degrees	202.73685242708 163		1.0	1	1	816.978
	3	1 (G235H/F170LP)	shutter_mask		53.080107083333 33 Degrees - 27.852402777777 797 Degrees	202.73679200490 892		-1.0	1	1	816.978
	4	2 (G395H/F290LP)	shutter_mask		53.080107083333 33 Degrees - 27.852402777777 797 Degrees	202.73679200490 892		-1.0	1	1	889.922
	5	2 (G395H/F290LP)	shutter_mask		53.080107083333 33 Degrees - 27.852402777777 797 Degrees	202.73685242708 163		1.0	1	1	889.922

Special Requirements
MSA Scheduled Aperture PA 202.7370 to 202.7370 Degrees (V3 64.16239 to 64.16239)