



1216 - Integral Field Spectroscopy in GOODS-S

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Kate Isaak (PI) (ESA Member)	European Space Agency - ESTEC
Dr. Santiago Arribas (CoI) (ESA Member) (Contact)	Consejo Superior de Investigaciones Cientificas
Prof. Roberto Maiolino (CoI) (ESA Member) (Contact)	University of Cambridge
Dr. Bruno Rodriguez Del Pino (CoI) (ESA Member)	Centro de Astrobiologia (CSIC/INTA) Inst. Nac. de Tec. Aero.
Dr. Pierre Ferruit (CoI) (ESA Member)	ESA-European Space Astronomy Centre
Dr. Nora Luetzgendorf (CoI) (ESA Member)	European Space Agency - ESTEC

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1	23170-GS-2.97	NIRSpec IFU Spectroscopy	(1) 23170-GS-2.97-S
	2	18660-GS-3.07	NIRSpec IFU Spectroscopy	(2) 18660-GS-3.07-S
	102	18660-GS-3.07	NIRSpec IFU Spectroscopy	(2) 18660-GS-3.07-S
	202	18660-GS-3.07	NIRSpec IFU Spectroscopy	(2) 18660-GS-3.07-S
	3	20936-GS-3.25	NIRSpec IFU Spectroscopy	(3) 20936-GS-3.25-S
	4	19293-GS-3.11	NIRSpec IFU Spectroscopy	(4) 19293-GS-3.11-S
	5	5001-GS-3.47	NIRSpec IFU Spectroscopy	(5) 5001-GS-3.47-S
	8	4891-GS-3.70	NIRSpec IFU Spectroscopy	(8) 4891-GS-3.70-S
	9	3073-GS-5.56	NIRSpec IFU Spectroscopy	(9) 3073-GS-5.56-S
	59	3073-GS-5.56	NIRSpec IFU Spectroscopy	(9) 3073-GS-5.56-S
	10	10578-GS-3.06-S	NIRSpec IFU Spectroscopy	(10) 10578-GS-3.06-S
	11	133-GS-3.47-A	NIRSpec IFU Spectroscopy	(11) 133-GS-3.47-A
	12	551-GS-3.70-A	NIRSpec IFU Spectroscopy	(12) 551-GS-3.70-A

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	13	774-GS-3.61-A	NIRSpec IFU Spectroscopy	(13) 774-GS-3.61-A
	14	811-GS-3.471-A	NIRSpec IFU Spectroscopy	(14) 811-GS-3.471-A
	15	539-GS-4.76-A	NIRSpec IFU Spectroscopy	(15) 539-GS-4.76-A

ABSTRACT

These observations are part of the NIRSpec GTO Physics of Galaxy Assembly IFS survey. The goal of this program is to characterize the internal structure of distant galaxies and, therefore, investigate the primary physical processes driving galaxy evolution. The main specific objectives are: to trace the distribution of star formation and map the resolved properties of the stellar populations, to trace the gas kinematics (i.e. velocity fields, velocity dispersion) and, hence, determine dynamical masses and also identify non-virial motions (outflow and inflows), and to map metallicity and dust extinction. These quantities will be mapped for some of the brightest and most extended star forming galaxies and AGN/QSO hosts up to $z \sim 7$, and beyond.

This APT is for NIRSpec IFU observations in GOODS-S. The sample includes star-forming galaxies (SFG), and AGNs, and covers the redshift range $\sim 3-6$. For the SFGs the observations are done at R100 and R2700. For the AGNs only R2700 observations are included. The specific band for the high-resolution observations mainly depends on the redshift, and it is aimed at including the most important emission lines (generally from \sim Hbeta to Halpha).

OBSERVING DESCRIPTION

This program consists of NIRSpec/IFU observations of high- z galaxies in GOODS-S. Therefore all the targets are close in the sky, and it is possible to take advantage of the "smart accounting" to save slew overheads.

There are two different types of sources: star-forming galaxies (SFG), and active galactic nuclei (AGN). For the SFGs the observations are done at R100 and R2700. For the AGNs only at R2700. The specific band for the high-resolution observations mainly depends on the redshift, and it is aimed at including the most important emission lines (generally from \sim Hbeta to Halpha).

The sample has been divided into two groups, each with different telescope PA constraints. The groups (and PA ranges) are defined such that contamination in the R100 spectra due to nearby sources leaking through the MSA is minimized, while still requiring a large slew per group. For the emission line high-resolution (R2700) spectra this is not so critical, but still we have checked for very bright sources in the MSA quadrants. In addition, a leakage exposure for R=100 is taken.

No TA (target acquisition) is included, as it has been checked that most of the guide stars have GAIA astrometry. The small fraction of guide stars that have not gaia ID, also have good astrometry ($\sim 0.1''$).

A 8-point (4-point) dither pattern has been considered for the SFGs (AGN).

The "medium" cycling pattern provides a good compromise between an amplitude ($\sim 0.5''$) large enough to "jump" the failed open microshutters and to deal with other sources of background, while keeping a large FoV ($\sim 2.5'' \times 2.5''$) with complete exposure time. This dither pattern also provides a good sub-pixel sampling.

No extra background exposures are included. For R100 it was considered that there will be a relatively large number of spaxels free from galaxy emission to derive the background. For the R2700, in addition, the goal is to study the emission lines and therefore the background should be less relevant.

Proposal 1216 - Targets - Integral Field Spectroscopy in GOODS-S

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
(1)	23170-GS-2.97-S	RA: 03 32 37.7904 (53.1574600d) Dec: -27 42 32.78 (-27.70911d) Equinox: J2000			
<p><i>Comments: coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>					
(2)	18660-GS-3.07-S	RA: 03 32 54.8800 (53.2286667d) Dec: -27 45 10.80 (-27.75300d) Equinox: J2000			
<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture total emission.</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>					
(3)	20936-GS-3.25-S	RA: 03 32 28.2950 (53.1178958d) Dec: -27 44 3.78 (-27.73438d) Equinox: J2000			
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>					
Fixed Targets	(4)	19293-GS-3.11-S	RA: 03 32 12.9429 (53.0539287d) Dec: -27 44 51.76 (-27.74771d) Equinox: J2000		
	<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>				
	(5)	5001-GS-3.47-S	RA: 03 32 23.3390 (53.0972458d) Dec: -27 51 57.16 (-27.86588d) Equinox: J2000		
	<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture emission from the companions too.</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>				
	(8)	4891-GS-3.70-S	RA: 03 32 18.2910 (53.0762125d) Dec: -27 51 59.17 (-27.86644d) Equinox: J2000		
	<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture emission in the NE</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>				
	(9)	3073-GS-5.56-S	RA: 03 32 18.9253 (53.0788554d) Dec: -27 53 2.96 (-27.88416d) Equinox: J2000		
	<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>				

Proposal 1216 - Targets - Integral Field Spectroscopy in GOODS-S

(10)	10578-GS-3.06-S	RA: 03 32 39.6734 (53.1653058d) Dec: -27 48 50.88 (-27.81413d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i></p>		
(11)	133-GS-3.47-A	RA: 03 32 4.9495 (53.0206229d) Dec: -27 44 32.01 (-27.74223d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>		
(12)	551-GS-3.70-A	RA: 03 32 29.8430 (53.1243458d) Dec: -27 51 5.88 (-27.85163d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system. Recentered to capture emission in the NW</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>		
(13)	774-GS-3.61-A	RA: 03 32 41.8564 (53.1744017d) Dec: -27 52 2.65 (-27.86740d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>		
(14)	811-GS-3.471-A	RA: 03 32 44.3183 (53.1846596d) Dec: -27 52 51.49 (-27.88097d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>		
(15)	539-GS-4.76-A	RA: 03 32 29.2988 (53.1220783d) Dec: -27 56 19.61 (-27.93878d) Equinox: J2000
<p><i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i></p>		

Proposal 1216 - Observation 1 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:12 GMT 2024

Observation	<p>Proposal 1216, Observation 1: 23170-GS-2.97</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: V3PA: Both DSS image with APT, and TM report show a relatively clean window</i></p>											
Diagnostics	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	23170-GS-2.97-S	RA: 03 32 37.7904 (53.1574600d) Dec: -27 42 32.78 (-27.70911d) Equinox: J2000									
	<p><i>Comments: coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 181.892975 to 190.892975 Degrees (V3 42.92132583 to 51.92132583)											

Proposal 1216 - Observation 2 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 2: 18660-GS-3.07</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: Pointing coordinates have been slightly changed with respect to the brightest region to center better the whole morphology</i></p> <p><i>V3PA: Both DSS image with APT, and TM report show a relatively clean window</i></p>											
Diagnostics	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(2)	18660-GS-3.07-S	RA: 03 32 54.8800 (53.2286667d) Dec: -27 45 10.80 (-27.75300d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture total emission.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPI D	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPI D	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 181.892975 to 190.892975 Degrees (V3 42.92132583 to 51.92132583)											

Proposal 1216 - Observation 102 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 102: 18660-GS-3.07</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSspec IFU Spectroscopy</p> <p><i>Comments: Pointing coordinates have been slightly changed with respect to the brightest region to center better the whole morphology</i></p> <p><i>V3PA: Both DSS image with APT, and TM report show a relatively clean window</i></p> <p><i>WOPR copy of obs. 2</i></p>											
Diagnostics	(Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
(2)	18660-GS-3.07-S	RA: 03 32 54.8800 (53.2286667d) Dec: -27 45 10.80 (-27.75300d) Equinox: J2000										
<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture total emission.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>												
Template	TA Method											
NONE												
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
1	CYCLING		MEDIUM	1			8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601		
2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178		
3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022		
Special Requirements	Aperture PA Range 181.892975 to 190.892975 Degrees (V3 42.92132583 to 51.92132583)											

Proposal 1216 - Observation 202 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 202: 18660-GS-3.07</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: Pointing coordinates have been slightly changed with respect to the brightest region to center better the whole morphology</i></p> <p><i>V3PA: Both DSS image with APT, and TM report show a relatively clean window</i></p> <p><i>WOPR copy of obs. 2</i></p>											
Diagnostics	(Visit 202:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
(2)	18660-GS-3.07-S	RA: 03 32 54.8800 (53.2286667d) Dec: -27 45 10.80 (-27.75300d) Equinox: J2000										
<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture total emission.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>												
Template	TA Method											
NONE												
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
1	CYCLING		MEDIUM	1			12					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G235H/F170LP	NRSIRS2	20	1	false	true	NONE	12	12	17681.735		
2	PRISM/CLEAR	NRSIRS2RAPID	26	1	false	true	NONE	12	12	4726.8		
3	PRISM/CLEAR	NRSIRS2RAPID	26	1	true	false	NONE	1	1	393.9		
Special Requirements	Aperture PA Range 93.97164917 to 197.97164917 Degrees (V3 315.0 to 59.0)											

Proposal 1216 - Observation 3 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 3: 20936-GS-3.25</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(3)	20936-GS-3.25-S	RA: 03 32 28.2950 (53.1178958d) Dec: -27 44 3.78 (-27.73438d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 45.892975 to 59.892975 Degrees (V3 266.92132583 to 280.92132583)											

Proposal 1216 - Observation 4 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 4: 19293-GS-3.11</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: V3PA: Both DSS image with APT, and TM report show a relatively clean window</i></p>											
Diagnostics	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	19293-GS-3.11-S	RA: 03 32 12.9429 (53.0539287d) Dec: -27 44 51.76 (-27.74771d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	CYCLING		MEDIUM	1			8				
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 158.892975 to 224.892975 Degrees (V3 19.92132583 to 85.92132583)											

Proposal 1216 - Observation 5 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 5: 5001-GS-3.47</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: The pointing coordinates have been slightly modified with respect to the brightest region/galaxy, to account for the whole morphology of the system.</i></p>											
Diagnostics	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(5)	5001-GS-3.47-S	RA: 03 32 23.3390 (53.0972458d) Dec: -27 51 57.16 (-27.86588d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture emission from the companions too.</i></p> <p>Category=Galaxy Description=[High-redshift galaxies] Extended=YES</p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	CYCLING		MEDIUM	1			8				
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 168.892975 to 190.892975 Degrees (V3 29.92132583 to 51.92132583)											

Proposal 1216 - Observation 8 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 8: 4891-GS-3.70</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
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			
	(8)	4891-GS-3.70-S	RA: 03 32 18.2910 (53.0762125d) Dec: -27 51 59.17 (-27.86644d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system. Recentered to better capture emission in the NE</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	27	1	false	true	NONE	8	8	15872.712	
	2	PRISM/CLEAR	NRSIRS2RAPI D	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPI D	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 38.892975 to 68.892975 Degrees (V3 259.92132583 to 289.92132583)											

Proposal 1216 - Observation 9 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 9: 3073-GS-5.56</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
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			
	(9)	3073-GS-5.56-S	RA: 03 32 18.9253 (53.0788554d) Dec: -27 53 2.96 (-27.88416d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		8					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
	2	PRISM/CLEAR	NRSIRS2RAPI D	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPI D	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 42.892975 to 72.892975 Degrees (V3 263.92132583 to 293.92132583)											

Proposal 1216 - Observation 59 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 59: 3073-GS-5.56</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: Repeat of Skipped visit 09</i></p>											
Diagnostics	(Visit 59:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(9)	3073-GS-5.56-S	RA: 03 32 18.9253 (53.0788554d) Dec: -27 53 2.96 (-27.88416d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	CYCLING		MEDIUM	1			8				
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
	2	PRISM/CLEAR	NRSIRS2RAPI D	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPI D	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 42.892975 to 72.892975 Degrees (V3 263.92132583 to 293.92132583)											

Proposal 1216 - Observation 10 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 10: 10578-GS-3.06-S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
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			
	(10)	10578-GS-3.06-S	RA: 03 32 39.6734 (53.1653058d) Dec: -27 48 50.88 (-27.81413d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	CYCLING		MEDIUM	1			8				
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
	2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
	3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	
Special Requirements	Aperture PA Range 28.892975 to 58.892975 Degrees (V3 249.92132583 to 279.92132583)											

Proposal 1216 - Observation 11 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 11: 133-GS-3.47-A</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
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			
	(11)	133-GS-3.47-A	RA: 03 32 4.9495 (53.0206229d) Dec: -27 44 32.01 (-27.74223d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		4					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
Special Requirements	Aperture PA Range 49.992975 to 58.992975 Degrees (V3 271.02132583 to 280.02132583)											

Proposal 1216 - Observation 12 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	Proposal 1216, Observation 12: 551-GS-3.70-A Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
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			
	(12)	551-GS-3.70-A	RA: 03 32 29.8430 (53.1243458d) Dec: -27 51 5.88 (-27.85163d) Equinox: J2000									
	<i>Comments: Coordinates in GAIA reference system. Recentered to capture emission in the NW</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points		Points			
	1	CYCLING		MEDIUM	1		4					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
Special Requirements	Aperture PA Range 49.992975 to 58.992975 Degrees (V3 271.02132583 to 280.02132583)											

Proposal 1216 - Observation 13 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 13: 774-GS-3.61-A Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy</p>											
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			
	(13)	774-GS-3.61-A	RA: 03 32 41.8564 (53.1744017d) Dec: -27 52 2.65 (-27.86740d) Equinox: J2000									
	<i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		4					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
Special Requirements	Aperture PA Range 49.992975 to 58.992975 Degrees (V3 271.02132583 to 280.02132583)											

Proposal 1216 - Observation 14 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	Proposal 1216, Observation 14: 811-GS-3.471-A Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
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			
	(14)	811-GS-3.471-A	RA: 03 32 44.3183 (53.1846596d) Dec: -27 52 51.49 (-27.88097d) Equinox: J2000									
	<i>Comments: Coordinates in GAIA reference system</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		4					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
Special Requirements	Aperture PA Range 49.992975 to 58.992975 Degrees (V3 271.02132583 to 280.02132583)											

Proposal 1216 - Observation 15 - Integral Field Spectroscopy in GOODS-S

Tue Oct 22 18:00:13 GMT 2024

Observation	<p>Proposal 1216, Observation 15: 539-GS-4.76-A</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSspec IFU Spectroscopy</p> <p><i>Comments: The weird number of groups is to avoid the warning of data excess, which could risk a late schedule (of the visit and those linked via smart accounting). The alternative (change to NRSIRS2) we'll leave us with only 12 groups. This solution also partially compensates the time increase in other visits due to the readout mode change.</i></p>											
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			
	(15)	539-GS-4.76-A	RA: 03 32 29.2988 (53.1220783d) Dec: -27 56 19.61 (-27.93878d) Equinox: J2000									
	<p><i>Comments: Coordinates in GAIA reference system</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies]</i></p> <p><i>Extended=YES</i></p>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point		Number of Points	Points				
	1	CYCLING		MEDIUM	1		4					
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G235H/F170LP	NRSIRS2RAPI D	59	1	false	true	NONE	4	4	3501.334	
	2	G395H/F290LP	NRSIRS2RAPI D	59	1	false	true	NONE	4	4	3501.334	
Special Requirements	Aperture PA Range 49.992975 to 58.992975 Degrees (V3 271.02132583 to 280.02132583)											