



# 1217 - Integral Field Spectroscopy in COSMOS

Cycle: 1, Proposal Category: GTO

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Nora Luetzendorf (PI)</b>	<b>Space Telescope Science Institute - ESA - JWST</b>	<b>nluetzendorf@stsci.edu</b>
Dr. Santiago Arribas (CoI) (ESA Member) (Contact)	Consejo Superior de Investigaciones Cientificas	arribas@cab.inta-csic.es
Dr. Roberto Maiolino (CoI) (ESA Member) (Contact)	University of Cambridge	r.maiolino@mrao.cam.ac.uk
Dr. Pierre Ferruit (CoI) (ESA Member)	ESA-European Space Astronomy Centre	pierre.ferruit@esa.int

## OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	3	HZ4-COS-5.54-S	NIRSpec IFU Spectroscopy	(17) HZ4-COS-5.54-S
	4	HZ10-COS-5.66	NIRSpec IFU Spectroscopy	(4) HZ10-COS-5.66-S
	6	CR7-COS-6.60-L	NIRSpec IFU Spectroscopy	(6) CR7-COS-6.60-L
	7	COS30-COS-6.80	NIRSpec IFU Spectroscopy	(7) COS30-COS-6.80-S
	8	B14-COS-7.15	NIRSpec IFU Spectroscopy	(8) B14-65666-COS-7.15
	9	zs-7-1-COS-7.15	NIRSpec IFU Spectroscopy	(9) COS-ZS7-1-COS-7.15
	10	JEKILL&HIDE-COS-3.70	NIRSpec IFU Spectroscopy	(10) JEKILL+HIDE-COS-3.717-D
	11	1118-COS-3.65-A	NIRSpec IFU Spectroscopy	(11) 1118-COS-3.65-A
	12	1656-COS-3.51-A	NIRSpec IFU Spectroscopy	(12) 1656-COS-3.51-A
	13	2949-COS-3.57-A	NIRSpec IFU Spectroscopy	(13) 2949-COS-3.57-A
	14	349-COS-3.49-A	NIRSpec IFU Spectroscopy	(14) 349-COS-3.49-A
	15	1638-COS-3.49-A	NIRSpec IFU Spectroscopy	(15) 1638-COS-3.49-A
	16	590-COS-3.53-A	NIRSpec IFU Spectroscopy	(16) 590-COS-3.53-A

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	18	12306-COS-6.20-S	NIRSpec IFU Spectroscopy	(5) 12306-COS-6.20-S

## 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), to map metallicity gradients 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 COSMOS. The sample includes star-forming galaxies (SFG), Lyman alpha emitters (LAE), and AGNs, and cover the redshift range  $\sim 3.5 - 7$ . For the SFGs and LAEs 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 16 high- $z$  galaxies in COSMOS. Therefore all the targets are close in the sky, and it is possible to take advantage of the "smart accounting" to save the slew overheads.

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, we have added one leakage exposure for the R100 observations.

No TA (target acquisition) is included, as it has been checked that a large fraction of the guide stars have GAIA astrometry.

A 8-point (4-point) dither pattern has been considered for 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 allows 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 1217 - Targets - Integral Field Spectroscopy in COSMOS

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
(4)	HZ10-COS-5.66-S	RA: 10 00 59.3100 (150.2471250d) Dec: +01 33 19.22 (1.55534d) Equinox: J2000			
<i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i>					
(5)	12306-COS-6.20-S	RA: 10 00 30.5902 (150.1274592d) Dec: +02 19 35.13 (2.32642d) Equinox: J2000			
<i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i>					
(6)	CR7-COS-6.60-L	RA: 10 00 58.0050 (150.2416875d) Dec: +01 48 15.25 (1.80424d) Equinox: J2000			
<i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=YES</i>					
<b>Fixed Targets</b>	(7)	COS30-COS-6.80-S	RA: 10 00 30.1850 (150.1257708d) Dec: +02 15 59.81 (2.26661d) Equinox: J2000		
	<i>Comments: Coordinates from Smit+2015</i> <i>Category=Galaxy</i> <i>Description=[Primordial galaxies]</i>				
	(8)	B14-65666-COS-7.15	RA: 10 01 40.6900 (150.4195417d) Dec: +01 54 52.55 (1.91460d) Equinox: J2000		
	<i>Comments: Coordinates center of clumps A and B according Table 3 of Hashimoto+18</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies, Primordial galaxies]</i>				
	(9)	COS-ZS7-1-COS-7.15	RA: 10 00 23.7600 (150.0990000d) Dec: +02 20 37.00 (2.34361d) Equinox: J2000		
	<i>Comments: Coordinates from Stark+16</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies, Primordial galaxies]</i>				
	(10)	JEKILL+HIDE-COS-3.717-D	RA: 10 00 14.7504 (150.0614600d) Dec: +02 22 43.26 (2.37868d) Equinox: J2000		
	<i>Comments: Coordinates for Jekill from C. Schreiber+17</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies, Primordial galaxies]</i>				

## Proposal 1217 - Targets - Integral Field Spectroscopy in COSMOS

(11)	1118-COS-3.65-A	RA: 09 59 31.0060 (149.8791917d) Dec: +02 13 33.02 (2.22584d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(12)	1656-COS-3.51-A	RA: 10 01 5.1800 (150.2715833d) Dec: +01 36 49.86 (1.61385d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(13)	2949-COS-3.57-A	RA: 10 01 36.7000 (150.4029167d) Dec: +01 52 44.02 (1.87889d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(14)	349-COS-3.49-A	RA: 10 00 1.0505 (150.0043771d) Dec: +02 02 20.03 (2.03890d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(15)	1638-COS-3.49-A	RA: 10 02 56.5300 (150.7355417d) Dec: +02 11 58.41 (2.19956d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(16)	590-COS-3.53-A	RA: 09 59 1.2990 (149.7554125d) Dec: +02 44 18.72 (2.73853d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES		
(17)	HZ4-COS-5.54-S	RA: 09 58 28.5204 (149.6188350d) Dec: +02 03 6.74 (2.05187d) Equinox: J2000
<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies]		

# Proposal 1217 - Observation 3 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 3: HZ4-COS-5.54-S</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(17)	HZ4-COS-5.54-S	RA: 09 58 28.5204 (149.6188350d) Dec: +02 03 6.74 (2.05187d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
	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	
<b>Special Requirements</b>	Aperture PA Range 249 to 255 Degrees (V3 110.03538513 to 116.03538513)											

# Proposal 1217 - Observation 4 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<b>Proposal 1217, Observation 4: HZ10-COS-5.66</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
<b>Diagnostics</b>	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(4)	HZ10-COS-5.66-S	RA: 10 00 59.3100 (150.2471250d) Dec: +01 33 19.22 (1.55534d) Equinox: J2000									
	<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex p</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	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	
<b>Special Requirements</b>	Aperture PA Range 249 to 255 Degrees (V3 110.03538513 to 116.03538513)											

# Proposal 1217 - Observation 6 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 6: CR7-COS-6.60-L</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: For this observation we reduced the number of groups from 40 to 36 for the R2700 and from 12 to 11 for the R100 exposures to fit within the total proposal allocated time (i.e. 90.09h). The 40 groups were determined considering the highest S/N for a limit of 3Ksec by integration and a 4-point dither pattern.</i></p>											
<b>Diagnostics</b>	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(6)	CR7-COS-6.60-L	RA: 10 00 58.0050 (150.2416875d) Dec: +01 48 15.25 (1.80424d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	#	Dither Type		Size	Starting Point		Number of Points		Points			
	1	CYCLING		MEDIUM	1		8					
<b>Spectral Elements</b>	#	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	
<b>Special Requirements</b>	Aperture PA Range 249 to 255 Degrees (V3 110.03538513 to 116.03538513)											

# Proposal 1217 - Observation 7 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<b>Proposal 1217, Observation 7: COS30-COS-6.80</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSspec IFU Spectroscopy <i>Comments: Both visibility windows similar in terms of MSA leakage contamination. So, no constraints</i>											
<b>Diagnostics</b>	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(7)	COS30-COS-6.80-S	RA: 10 00 30.1850 (150.1257708d) Dec: +02 15 59.81 (2.26661d) Equinox: J2000									
	<i>Comments: Coordinates from Smit+2015</i> <i>Category=Galaxy</i> <i>Description=[Primordial galaxies]</i>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
	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	

# Proposal 1217 - Observation 8 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 8: B14-COS-7.15</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(8)	B14-65666-COS-7.15	RA: 10 01 40.6900 (150.4195417d) Dec: +01 54 52.55 (1.91460d) Equinox: J2000									
	<p><i>Comments: Coordinates center of clumps A and B according Table 3 of Hashimoto+18</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies, Primordial galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395M/F290LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 254.992975 Degrees (V3 110.02836013 to 116.02836013)											

# Proposal 1217 - Observation 9 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<b>Proposal 1217, Observation 9: zs-7-1-COS-7.15</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
<b>Diagnostics</b>	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(9)	COS-ZS7-1-COS-7.15	RA: 10 00 23.7600 (150.0990000d) Dec: +02 20 37.00 (2.34361d) Equinox: J2000									
	<i>Comments: Coordinates from Stark+16</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies, Primordial galaxies]</i>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395M/F290LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 254.992975 Degrees (V3 110.02836013 to 116.02836013)											

# Proposal 1217 - Observation 10 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 10: JEKILL&amp;HIDE-COS-3.70</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(10)	JEKILL+HIDE-COS-3.717-D	RA: 10 00 14.7504 (150.0614600d) Dec: +02 22 43.26 (2.37868d) Equinox: J2000									
	<p><i>Comments: Coordinates for Jekill from C. Schreiber+17</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[High-redshift galaxies, Primordial galaxies]</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2	27	1	false	true	NONE	8	8	15872.712	
	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	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 254.992975 Degrees (V3 110.02836013 to 116.02836013)											

# Proposal 1217 - Observation 11 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 11: 1118-COS-3.65-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: Both windows similar in terms of MAS leakage contamination. So no constraints.</i></p>											
<b>Diagnostics</b>	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(11)	1118-COS-3.65-A	RA: 09 59 31.0060 (149.8791917d) Dec: +02 13 33.02 (2.22584d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			4				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex p</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	

# Proposal 1217 - Observation 12 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 12: 1656-COS-3.51-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: Both windows similar in terms of MAS leakage contamination. So no constraints.</i></p>											
<b>Diagnostics</b>	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(12)	1656-COS-3.51-A	RA: 10 01 5.1800 (150.2715833d) Dec: +01 36 49.86 (1.61385d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			4				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex p</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	

# Proposal 1217 - Observation 13 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 13: 2949-COS-3.57-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
<b>Diagnostics</b>	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(13)	2949-COS-3.57-A	RA: 10 01 36.7000 (150.4029167d) Dec: +01 52 44.02 (1.87889d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		MEDIUM	1		4					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
<b>Special Requirements</b>	Aperture PA Range 249 to 255 Degrees (V3 110.03538513 to 116.03538513)											

# Proposal 1217 - Observation 14 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 14: 349-COS-3.49-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: The other visibility window could be somewhat preferable in terms of MSA leakage, but it adds a large slew for this relatively shallow/short R2700 observations</i></p>											
<b>Diagnostics</b>	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(14)	349-COS-3.49-A	RA: 10 00 1.0505 (150.0043771d) Dec: +02 02 20.03 (2.03890d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		MEDIUM	1		4					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 254.992975 Degrees (V3 110.02836013 to 116.02836013)											

# Proposal 1217 - Observation 15 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<p><b>Proposal 1217, Observation 15: 1638-COS-3.49-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: The other visibility window could be somewhat preferable in terms of MSA leakage, but it adds a large slew for this relatively shallow/short R2700 observations</i></p>											
<b>Diagnostics</b>	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(15)	1638-COS-3.49-A	RA: 10 02 56.5300 (150.7355417d) Dec: +02 11 58.41 (2.19956d) Equinox: J2000									
	<p><i>Comments:</i>  <i>Category=Galaxy</i>  <i>Description=[High-redshift galaxies]</i>  <i>Extended=YES</i></p>											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		MEDIUM	1		4					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 255.0 Degrees (V3 110.02836013 to 116.03538513)											

# Proposal 1217 - Observation 16 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<b>Proposal 1217, Observation 16: 590-COS-3.53-A</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
<b>Diagnostics</b>	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(16)	590-COS-3.53-A	RA: 09 59 1.2990 (149.7554125d) Dec: +02 44 18.72 (2.73853d) Equinox: J2000									
	<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>		<b>Number of Points</b>	<b>Points</b>				
	1	CYCLING		MEDIUM	1		4					
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G235H/F170LP	NRSIRS2RAPID	60	1	false	true	NONE	4	4	3559.689	
<b>Special Requirements</b>	Aperture PA Range 249 to 255 Degrees (V3 110.03538513 to 116.03538513)											

# Proposal 1217 - Observation 18 - Integral Field Spectroscopy in COSMOS

Tue Aug 23 21:05:14 GMT 2022

<b>Observation</b>	<b>Proposal 1217, Observation 18: 12306-COS-6.20-S</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec IFU Spectroscopy											
<b>Diagnostics</b>	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(5)	12306-COS-6.20-S	RA: 10 00 30.5902 (150.1274592d) Dec: +02 19 35.13 (2.32642d) Equinox: J2000									
	<i>Comments:</i> Category=Galaxy Description=[High-redshift galaxies] Extended=YES											
<b>Template</b>	<b>TA Method</b>											
	NONE											
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>		<b>Size</b>	<b>Starting Point</b>			<b>Number of Points</b>	<b>Points</b>			
	1	CYCLING		MEDIUM	1			8				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex p</b>	<b>Leakcal</b>	<b>Dither</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395H/F290LP	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
	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	
<b>Special Requirements</b>	Aperture PA Range 248.992975 to 254.992975 Degrees (V3 110.02836013 to 116.02836013)											