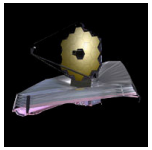

7503 - CACTUS: Comprehensive Analysis of Compton-Thick AGN in the early UniverSe

Cycle: 4, Proposal Category: GO

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Obs				

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	1	XID717	NIRSpec IFU Spectroscopy	(1) XID717
	2	XID100	NIRSpec IFU Spectroscopy	(2) XID100
	3	XID490	NIRSpec IFU Spectroscopy	(3) XID490
	4	XID12	NIRSpec IFU Spectroscopy	(4) XID12
	5	XID53	NIRSpec IFU Spectroscopy	(14) XID53
	6	XID262	NIRSpec IFU Spectroscopy	(5) XID262
	7	XID439	NIRSpec IFU Spectroscopy	(6) XID439
	8	XID504	NIRSpec IFU Spectroscopy	(7) XID504
	9	XID492	NIRSpec IFU Spectroscopy	(8) XID492
	10	LID283	NIRSpec IFU Spectroscopy	(9) LID_283
	11	CID700	NIRSpec IFU Spectroscopy	(10) CID_700
	12	CID965	NIRSpec IFU Spectroscopy	(13) CID_965
	13	COS_845652	NIRSpec IFU Spectroscopy	(11) COSMOS2015-845652
	14	COS_658951	NIRSpec IFU Spectroscopy	(12) COSMOS2015-658951
	15	AEGIS34	NIRSpec IFU Spectroscopy	(15) AEGIS-34

ABSTRACT

JWST observations have revealed the presence of a new population of high-redshift AGN identified through the detection of broad permitted emission lines, or thanks to narrow line ratio diagnostics, but undetected or very weak in the X-ray band, challenging traditional AGN classification paradigms. This raises the question of whether such AGN represent a more extreme version of the known Compton Thick (CT) AGN population or are fundamentally different AGN types to the ones detected in X-ray surveys.

Several JWST programs have targeted this newly discovered AGN population, but they lack an adequate control sample of X-ray detected CT AGN. We aim to address this gap with a systematic study of 15 X-ray detected CT-AGN at z>2.5.

In this proposal, we will assemble the first statistical sample of CT-AGN at cosmic noon observed with NIRSpec.

This large sample will allow us not only to put into context the properties of the newly discovered AGN from public surveys, but also to characterize the evolution of CT AGN properties across cosmic time, assess the extent of misclassification between X-ray and optical classification, and analyze outflows and host galaxy properties. Our observations will exploit NIRSpec/IFU high-resolution gratings to explore the main optical emission lines, ultimately enhancing our understanding of obscured black hole accretion in the early Universe.

OBSERVING DESCRIPTION

This proposal aims to observe 15 Compton thick X-ray selected AGN at z>2.5 with NIRSpec IFU high-resolution gratings (G235H/F170LP and or G395H/F290LP depending on the redshift) to cover the main optical emission lines.

The main goal is to obtain a parent sample to the JWST-selected AGN population to statistically compare the properties of X-ray selected, but obscure AGN with the JWST-selected, X-ray undetected AGN.

We will use a medium cycling pattern with 8-point dithers to accurately sample the PSF and a variable number of groups per integration depending on the brightness of each target. We compute with the ETC v.4 the exposure time to achieve a similar level of S/N for each target such that we will be able to achieve the main goals of this proposal.

We will use NRSIRS2 readout pattern mode to reduce the data volume.

We will not perform Target Acquisition, since the absolute JWST pointing accuracy of 0.1arcsec is more than sufficient given the size of our targets.

We do not require background exposures since we will derive the background from emission-free spaxels in our FOV.

We constrained the PA to avoid MSA leakage of bright sources, when possible, but our dithering strategy allows us to minimize the potential impact of MSA leakage.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	XID717	RA: 03 33 7.2010 (53.2800042d) Dec: -27 47 55.58 (-27.79877d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(2)	XID100	RA: 03 32 3.9840 (53.0166000d) Dec: -27 44 41.45 (-27.74485d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(3)	XID490	RA: 03 32 35.7300 (53.1488750d) Dec: -27 49 16.20 (-27.82117d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(4)	XID12	RA: 03 31 45.1590 (52.9381625d) Dec: -27 49 49.57 (-27.83044d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(5)	XID262	RA: 03 32 18.8321 (53.0784671d) Dec: -27 51 35.48 (-27.85986d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(6)	XID439	RA: 12 37 3.9800 (189.2665833d) Dec: +62 11 57.40 (62.19928d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				
(7)	XID504	RA: 12 37 14.6822 (189.3111758d) Dec: +62 18 39.42 (62.31095d) Equinox: J2000	Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*				

(8)	XID492	RA: 12 37 12.0600 (189.3002500d) Dec: +62 12 11.90 (62.20331d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(9)	LID_283	RA: 10 01 45.5800 (150.4399167d) Dec: +02 42 12.60 (2.70350d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(10)	CID_700	RA: 09 59 24.3600 (149.8515000d) Dec: +02 25 36.70 (2.42686d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(11)	COSMOS2015-845652	RA: 10 00 51.5900 (150.2149583d) Dec: +02 34 57.60 (2.58267d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(12)	COSMOS2015-658951	RA: 10 01 12.1800 (150.3007500d) Dec: +02 18 1.90 (2.30053d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(13)	CID_965	RA: 10 00 36.5200 (150.1521667d) Dec: +02 18 28.30 (2.30786d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			
(14)	XID53	RA: 03 31 53.8871 (52.9745296d) Dec: -27 47 16.19 (-27.78783d) Equinox: J2000	Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Galaxy* *Description=[Active galactic nuclei]* *Extended=YES*			

	(15)	AEGIS-34	RA: 14 18 11.2352 (214.5468133d) Dec: +52 30 12.55 (52.50349d) Equinox: J2000	Epoch of Position: 2000
	Comments: *Category=Galaxy* *Description=[Active galactic nuclei, High-redshift galaxies]* *Extended=YES*			

Observation

Proposal 7503, Observation 1: XID717

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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)	XID717	RA: 03 33 7.2010 (53.2800042d) Dec: -27 47 55.58 (-27.79877d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	15	1	false	true	NONE	8	8	8870.045	
2	G395H/F290LP	NRSIRS2	22	1	false	true	NONE	8	8	12954.934	

Special Requirements

Aperture PA Range 125.97164917 to 188.97164917 Degrees (V3 347.0 to 50.0)
Aperture PA Range 308.97164917 to 338.97164917 Degrees (V3 170.0 to 200.0)

Observation

Proposal 7503, Observation 2: XID100

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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)	XID100	RA: 03 32 3.9840 (53.0166000d) Dec: -27 44 41.45 (-27.74485d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	15	1	false	true	NONE	8	8	8870.045	

Special Requirements

Aperture PA Range 139.97164917 to 148.97164917 Degrees (V3 1.0 to 10.0)
Aperture PA Range 185.97164917 to 206.97164917 Degrees (V3 47.0 to 68.0)
Aperture PA Range 293.97164917 to 307.97164917 Degrees (V3 155.0 to 169.0)
Aperture PA Range 352.97164917 to 62.97164917 Degrees (V3 214.0 to 284.0)

Observation

Proposal 7503, Observation 3: XID490

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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)	XID490	RA: 03 32 35.7300 (53.1488750d) Dec: -27 49 16.20 (-27.82117d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	10	1	false	true	NONE	8	8	5952.267	

Special Requirements

Aperture PA Range 183.97164917 to 143.97164917 Degrees (V3 45.0 to 5.0)

Observation

Proposal 7503, Observation 4: XID12

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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)	XID12	RA: 03 31 45.1590 (52.9381625d) Dec: -27 49 49.57 (-27.83044d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	10	1	false	true	NONE	8	8	5952.267	

Special Requirements

Aperture PA Range 155.97164917 to 173.97164917 Degrees (V3 17.0 to 35.0)
Aperture PA Range 241.97164917 to 251.97164917 Degrees (V3 103.0 to 113.0)
Aperture PA Range 259.97164917 to 313.97164917 Degrees (V3 121.0 to 175.0)

Observation

Proposal 7503, Observation 5: XID53

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(14)	XID53	RA: 03 31 53.8871 (52.9745296d) Dec: -27 47 16.19 (-27.78783d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	14	1	false	true	NONE	8	8	8286.49	

Special Requirements

Aperture PA Range 284.97164917 to 187.97164917 Degrees (V3 146.0 to 49.0)

Observation

Proposal 7503, Observation 6: XID262

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	XID262	RA: 03 32 18.8321 (53.0784671d) Dec: -27 51 35.48 (-27.85986d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	NRS	14	1	false	true	NONE	8	8	4895.967	

Special Requirements

Aperture PA Range 281.97164917 to 200.97164917 Degrees (V3 143.0 to 62.0)

Observation

Proposal 7503, Observation 7: XID439

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	XID439	RA: 12 37 3.9800 (189.2665833d) Dec: +62 11 57.40 (62.19928d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	14	1	false	true	NONE	8	8	8286.49	

Special Requirements

Aperture PA Range 231.97164917 to 41.97164917 Degrees (V3 93.0 to 263.0)

Observation

Proposal 7503, Observation 8: XID504

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(7)	XID504	RA: 12 37 14.6822 (189.3111758d) Dec: +62 18 39.42 (62.31095d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	10	1	false	true	NONE	8	8	5952.267	

Special Requirements

Aperture PA Range 101.97164917 to 111.97164917 Degrees (V3 323.0 to 333.0)
Aperture PA Range 270.97164917 to 51.97164917 Degrees (V3 132.0 to 273.0)

Observation

Proposal 7503, Observation 9: XID492

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(8)	XID492	RA: 12 37 12.0600 (189.3002500d) Dec: +62 12 11.90 (62.20331d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	10	1	false	true	NONE	8	8	5952.267	

Special Requirements

Aperture PA Range 153.97164917 to 308.97164917 Degrees (V3 15.0 to 170.0)

Observation

Proposal 7503, Observation 10: LID283

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(9)	LID_283	RA: 10 01 45.5800 (150.4399167d) Dec: +02 42 12.60 (2.70350d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	8	1	false	true	NONE	8	8	4785.156	

Special Requirements

Aperture PA Range 227.97164917 to 262.97164917 Degrees (V3 89.0 to 124.0)
Aperture PA Range 342.97164917 to 145.97164917 Degrees (V3 204.0 to 7.0)

Observation

Proposal 7503, Observation 11: CID700

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(10)	CID_700	RA: 09 59 24.3600 (149.8515000d) Dec: +02 25 36.70 (2.42686d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	10	1	false	true	NONE	8	8	5952.267	

Special Requirements

Aperture PA Range 109.97164917 to 32.97164917 Degrees (V3 331.0 to 254.0)

Observation

Proposal 7503, Observation 12: CID965

Wed Mar 19 23:00:22 GMT 2025

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
(13)	CID_965	RA: 10 00 36.5200 (150.1521667d) Dec: +02 18 28.30 (2.30786d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	8	1	false	true	NONE	8	8	4785.156	

Special Requirements

Aperture PA Range 116.97164917 to 181.97164917 Degrees (V3 338.0 to 43.0)
Aperture PA Range 215.97164917 to 225.97164917 Degrees (V3 77.0 to 87.0)
Aperture PA Range 248.97164917 to 49.97164917 Degrees (V3 110.0 to 271.0)

Observation

Proposal 7503, Observation 13: COS_845652

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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
(11)	COSMOS2015-845652	RA: 10 00 51.5900 (150.2149583d) Dec: +02 34 57.60 (2.58267d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	G395H/F290LP	NRSIRS2	25	1	false	true	NONE	8	8	14705.601	

Special Requirements

Aperture PA Range 249.97164917 to 273.97164917 Degrees (V3 111.0 to 135.0)
Aperture PA Range 328.97164917 to 62.97164917 Degrees (V3 190.0 to 284.0)

Observation

Proposal 7503, Observation 14: COS_658951

Wed Mar 19 23:00:22 GMT 2025

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
(12)	COSMOS2015-658951	RA: 10 01 12.1800 (150.3007500d) Dec: +02 18 1.90 (2.30053d) Equinox: J2000	Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Galaxy
Description=[Active galactic nuclei]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	15	1	false	true	NONE	8	8	8870.045	

Observation

Proposal 7503, Observation 15: AEGIS34

Wed Mar 19 23:00:22 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

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)	AEGIS-34	RA: 14 18 11.2352 (214.5468133d) Dec: +52 30 12.55 (52.50349d) Equinox: J2000	Epoch of Position: 2000	

Comments:
Category=Galaxy
Description=[Active galactic nuclei, High-redshift galaxies]
Extended=YES

Template

TA Method	HFF Readout Mode
NONE	false

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	12	1	false	true	NONE	8	8	7119.378	

Special Requirements

Aperture PA Range 151.97164917 to 22.97164917 Degrees (V3 13.0 to 244.0)