



## 6665 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Cycle: 3, Proposal Category: GO

### INVESTIGATORS

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Dr. Zhijie Qu (CoI)	Tsinghua University
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### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	14		NIRCam Imaging	(14) J234913.75-371259.2
	1		NIRCam Imaging	(1) J010619.24+004823.3
	2		NIRCam Imaging	(2) J012403.77+004432.7
	3		NIRCam Imaging	(3) J013340.31+040059.7

JWST Proposal 6665 (Created: Monday, August 18, 2025, 5:00:10PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	4		NIRCam Imaging	(4) J013724.36-422417.3
	5		NIRCam Imaging	(5) J020944.61+051713.6
	6		NIRCam Imaging	(6) J024401.84-013403.7
	7		NIRCam Imaging	(7) J033413.42-161205.4
	8		NIRCam Imaging	(8) J094932.26+033531.7
	9		NIRCam Imaging	(9) J111008.61+024458.0
	10		NIRCam Imaging	(10) J111113.79-080402.0
	11		NIRCam Imaging	(11) J133254.51+005250.6
	15	O11 Repeat	NIRCam Imaging	(11) J133254.51+005250.6
	12		NIRCam Imaging	(12) J200324.14-325144.8
	13		NIRCam Imaging	(13) J221527.29-161133.0

**ABSTRACT**

(HST proposal 5584) The exchange of gas between galaxies and the surrounding circumgalactic and intergalactic medium (CGM and IGM) plays a vital role in galaxy evolution, regulating the fuel for star formation within galaxies. This recycling manifests as disk-like accreting structures in the plane of galaxies, and bi-conical outflows perpendicular to the galaxy disk. In absorption studies using background sources, this is seen as higher absorber incidence near to the major and minor axes of galaxies.

Measuring galaxy orientations requires high resolution imaging only available from space, whilst associating gas and galaxies requires deep, high resolution galaxy and quasar spectra. Although many quasars have been observed with HST to-date, few have the imaging and galaxy spectroscopy required to measure CGM properties as a function of galaxy orientation.

We propose a coordinated HST/JWST GO+archival program to ensure this high-resolution imaging covers 51 fields with existing QSO spectra and MUSE coverage. This data will allow HI absorption and galaxy redshifts to be found at  $z < 1.5$  for 37 fields (of which 20 currently lack HST imaging), and at redshifts 3-4 for 14 fields (which will require JWST imaging). We will measure how CGM properties vary with azimuthal angle, how these variations depend on galaxy properties, and how they evolve with redshift.

This will provide the first high- $z$  sample and the largest low- $z$  sample compiled to-date, allowing us to measure how the presence of accreting and outflowing structures in the CGM varies with galaxy properties, morphologies, and redshifts, and thereby discriminate between models of stellar feedback and gas recycling.

## **OBSERVING DESCRIPTION**

We propose imaging of quasar fields with existing high-resolution, high-signal-to-noise quasar spectra and MUSE coverage, allowing us to associate HI absorption in the circumgalactic medium with galaxy redshifts (from MUSE) and morphologies/orientations (from HST and JWST imaging). This program therefore consists of a HST GO component (F814W imaging of 20 fields), a HST archival component (F814W imaging of 17 fields and COS/STIS spectra of 37 quasars), and a JWST GO component (NIRCam imaging of 14 fields). We will build a large sample of low-redshift ( $z < 1.5$ ) and high-redshift ( $3 < z < 4$ ) galaxy-absorber pairs with known azimuthal angles, and measure the absorber incidence as a function of azimuthal angle for different galaxy populations, and thereby determine the prevalence and properties of accreting and outflowing structures around galaxies with different properties across cosmic time.

The JWST portion of this proposal consists of NIRCam imaging of 14 fields from the MUSE Analysis of Gas around Galaxies (MAGG) survey, using F200W to measure galaxy orientations and F444W photometry to constrain galaxy masses. 1100s of exposure in each field will allow us to reach S/N of 12 in F200W and S/N of 7 in F444W for our target galaxies (which are typically magnitude 27.0 and 27.5 in these bands), sufficient for our purposes. With overheads, this totals ~17hrs of time on JWST. We use 3 integrations with small dithers in order to improve sampling of the psf and allow removal of cosmic rays. We place the target in the center of one of the short-wavelength detectors in order to ensure any regions of the MUSE field not covered by the NIRCam field-of-view are at large impact parameters and hence reduce the science impact of incomplete coverage.

Proposal 6665 - Targets - DISCS: Direct Imaging Survey of Circumgalactic Structure

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	J010619.24+004823.3	RA: 01 06 19.2400 (16.5801667d) Dec: +00 48 23.31 (.80648d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(2)	J012403.77+004432.7	RA: 01 24 3.7700 (21.0157083d) Dec: +00 44 32.76 (.74243d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(3)	J013340.31+040059.7	RA: 01 33 40.3100 (23.4179583d) Dec: +04 00 59.77 (4.01660d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(4)	J013724.36-422417.3	RA: 01 37 24.3600 (24.3515000d) Dec: -42 24 17.30 (-42.40481d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(5)	J020944.61+051713.6	RA: 02 09 44.6100 (32.4358750d) Dec: +05 17 13.66 (5.28713d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(6)	J024401.84-013403.7	RA: 02 44 1.8400 (41.0076667d) Dec: -01 34 3.78 (-1.56772d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(7)	J033413.42-161205.4	RA: 03 34 13.4200 (53.5559167d) Dec: -16 12 5.36 (-16.20149d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				
(8)	J094932.26+033531.7	RA: 09 49 32.2600 (147.3844167d) Dec: +03 35 31.78 (3.59216d) Equinox: J2000		
<i>Comments:</i> Category=Unidentified Description=[Blank field]				

Fixed Targets

## Proposal 6665 - Targets - DISCS: Direct Imaging Survey of Circumgalactic Structure

(9)	J111008.61+024458.0	RA: 11 10 8.6100 (167.5358750d) Dec: +02 44 58.07 (2.74946d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		
(10)	J111113.79-080402.0	RA: 11 11 13.7900 (167.8074583d) Dec: -08 04 2.00 (-8.06722d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		
(11)	J133254.51+005250.6	RA: 13 32 54.5100 (203.2271250d) Dec: +00 52 50.63 (.88073d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		
(12)	J200324.14-325144.8	RA: 20 03 24.1400 (300.8505833d) Dec: -32 51 44.80 (-32.86244d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		
(13)	J221527.29-161133.0	RA: 22 15 27.2900 (333.8637083d) Dec: -16 11 33.00 (-16.19250d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		
(14)	J234913.75-371259.2	RA: 23 49 13.7500 (357.3072917d) Dec: -37 12 59.25 (-37.21646d) Equinox: J2000
<i>Comments:</i> Category=Unidentified Description=[Blank field]		

Proposal 6665 - Observation 14 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 14</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</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)	J234913.75-371259.2	RA: 23 49 13.7500 (357.3072917d) Dec: -37 12 59.25 (-37.21646d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				SMALL-GRID-DITHER			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 41.42542306 to 316.42542306 Degrees (V3 41.5 to 316.5)                  Aperture PA Range 319.42542306 to 34.42542306 Degrees (V3 319.5 to 34.5)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 1 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	(Visit 1:1) 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>		
	(1)	J010619.24+004823.3	RA: 01 06 19.2400 (16.5801667d) Dec: +00 48 23.31 (.80648d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				SMALL-GRID-DITHER			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 57.42542306 to 71.72542306 Degrees (V3 57.5 to 71.8)                  Aperture PA Range 237.42542306 to 260.92542306 Degrees (V3 237.5 to 261.0)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 2 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 2</p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	(Visit 2:1) 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>		
	(2)	J012403.77+004432.7	RA: 01 24 3.7700 (21.0157083d) Dec: +00 44 32.76 (.74243d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				SMALL-GRID-DITHER			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 52.92542306 to 262.92542306 Degrees (V3 53.0 to 263.0)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 3 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 3</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</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>		
	(3)	J013340.31+040059.7	RA: 01 33 40.3100 (23.4179583d) Dec: +04 00 59.77 (4.01660d) Equinox: J2000							
	<p>Comments: Category=Unidentified Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				SMALL-GRID-DITHER			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 56.92542306 to 72.92542306 Degrees (V3 57.0 to 73.0)</p> <p>Aperture PA Range 243.92542306 to 260.92542306 Degrees (V3 244.0 to 261.0)</p> <p>Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 4 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<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)	J013724.36-422417.3	RA: 01 37 24.3600 (24.3515000d) Dec: -42 24 17.30 (-42.40481d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 60.42542306 to 66.92542306 Degrees (V3 60.5 to 67.0)                  Aperture PA Range 227.92542306 to 232.92542306 Degrees (V3 228.0 to 233.0)                  Aperture PA Range 333.42542306 to 54.42542306 Degrees (V3 333.5 to 54.5)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 5 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 5</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	(Visit 5:1) 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)	J020944.61+051713.6	RA: 02 09 44.6100 (32.4358750d)		Dec: +05 17 13.66 (5.28713d)			Equinox: J2000		
	<p>Comments:</p> <p>Category=Unidentified</p> <p>Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 0.42542306 to 247.42542306 Degrees (V3 0.5 to 247.5)</p> <p>Aperture PA Range 250.42542306 to 266.42542306 Degrees (V3 250.5 to 266.5)</p> <p>Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 6 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 6</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	(Visit 6:1) 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>		
	(6)	J024401.84-013403.7	RA: 02 44 1.8400 (41.0076667d) Dec: -01 34 3.78 (-1.56772d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 56.42542306 to 77.92542306 Degrees (V3 56.5 to 78.0)                  Aperture PA Range 251.42542306 to 259.42542306 Degrees (V3 251.5 to 259.5)                  Aperture PA Range 267.42542306 to 48.42542306 Degrees (V3 267.5 to 48.5)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 7 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 7</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
<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)	J033413.42-161205.4	RA: 03 34 13.4200 (53.5559167d) Dec: -16 12 5.36 (-16.20149d) Equinox: J2000							
	<p>Comments: Category=Unidentified Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>		<b>Subpixel Positions</b>
	1	NONE				STANDARD				3
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									

Proposal 6665 - Observation 8 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 8</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</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)	J094932.26+033531.7	RA: 09 49 32.2600 (147.3844167d) Dec: +03 35 31.78 (3.59216d) Equinox: J2000							
	<p>Comments: Category=Unidentified Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									

Proposal 6665 - Observation 9 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 9</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
<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)	J111008.61+024458.0	RA: 11 10 8.6100 (167.5358750d)		Dec: +02 44 58.07 (2.74946d)			Equinox: J2000		
	<p>Comments:                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									

Proposal 6665 - Observation 10 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 10</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Imaging</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)	J111113.79-080402.0	RA: 11 11 13.7900 (167.8074583d) Dec: -08 04 2.00 (-8.06722d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				STANDARD			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 106.42542306 to 109.42542306 Degrees (V3 106.5 to 109.5)                  Aperture PA Range 287.92542306 to 312.92542306 Degrees (V3 288.0 to 313.0)                  Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 11 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 11</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</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)	J133254.51+005250.6	RA: 13 32 54.5100 (203.2271250d) Dec: +00 52 50.63 (.88073d) Equinox: J2000							
	<p>Comments: Category=Unidentified Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>	<b>Subpixel Positions</b>	
	1	NONE				SMALL-GRID-DITHER			3	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									

Proposal 6665 - Observation 15 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 15: O11 Repeat</p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Imaging</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>		
	(11)	J133254.51+005250.6	RA: 13 32 54.5100 (203.2271250d)		Dec: +00 52 50.63 (.88073d)			Equinox: J2000		
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>		<b>Subpixel Positions</b>
	1	NONE				STANDARD				3
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									

Proposal 6665 - Observation 12 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p><b>Proposal 6665, Observation 12</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</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)	J200324.14-325144.8	RA: 20 03 24.1400 (300.8505833d) Dec: -32 51 44.80 (-32.86244d) Equinox: J2000							
	<p><i>Comments:</i>                  Category=Unidentified                  Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>		<b>Subpixel Positions</b>
	1	NONE				STANDARD				3
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	<p>Aperture PA Range 178.42542306 to 252.42542306 Degrees (V3 178.5 to 252.5)</p> <p>Aperture PA Range 260.42542306 to 270.42542306 Degrees (V3 260.5 to 270.5)</p> <p>Aperture PA Range 279.42542306 to 170.42542306 Degrees (V3 279.5 to 170.5)</p> <p>Offset -122.47 arcsec, -34.77 arcsec</p>									

Proposal 6665 - Observation 13 - DISCS: Direct Imaging Survey of Circumgalactic Structure

Mon Aug 18 22:00:10 GMT 2025

<b>Observation</b>	<p>Proposal 6665, Observation 13</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</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)	J221527.29-161133.0	RA: 22 15 27.2900 (333.8637083d) Dec: -16 11 33.00 (-16.19250d) Equinox: J2000							
	<p>Comments: Category=Unidentified Description=[Blank field]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module Gap				
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Type</b>		<b>Primary Dithers</b>		<b>Subpixel Dither Type</b>		<b>Dither Size</b>		<b>Subpixel Positions</b>
	1	NONE				STANDARD				3
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Dithers</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F200W	F444W	SHALLOW4	7	1	3	3	1095.151	
<b>Special Requirements</b>	Offset -122.47 arcsec, -34.77 arcsec									