



8258 - Formation and nature of the UV-brightest starbursts in the distant Universe

Cycle: 4, Proposal Category: GO

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
J0006+2452				

JWST Proposal 8258 (Created: Friday, October 17, 2025, 11:00:22AM Eastern Standard Time) - Overview

Folder	Observation	Label	Observing Template	Science Target
	1	NIRSpec	NIRSpec IFU Spectroscopy	(1) J0006+2452
	2	NIRCam	NIRCam Imaging	(1) J0006+2452
J0121+0025				
	5	NIRSpec	NIRSpec IFU Spectroscopy	(3) J0121+0025
	6	NIRCam	NIRCam Imaging	(3) J0121+0025
J0817+3241				
	7	NIRSpec	NIRSpec IFU Spectroscopy	(4) J0817+3241
	8	NIRCam	NIRCam Imaging	(4) J0817+3241
J0850+1549				
	9	NIRSpec	NIRSpec IFU Spectroscopy	(5) J0850+1549
	10	NIRCam	NIRCam Imaging	(5) J0850+1549
J0950+0523				
	11	NIRSpec	NIRSpec IFU Spectroscopy	(6) J0950+0523
	12	NIRCam	NIRCam Imaging	(6) J0950+0523
J1220+0842				
	13	NIRSpec	NIRSpec IFU Spectroscopy	(7) J1220+0842
	14	NIRCam	NIRCam Imaging	(7) J1220+0842
J1249+1550				
	17	NIRSpec	NIRSpec IFU Spectroscopy	(9) J1249+1550
	18	NIRCam	NIRCam Imaging	(9) J1249+1550
J1316+2614				
	19	NIRSpec	NIRSpec IFU Spectroscopy	(10) J1316+2614
	20	NIRCam	NIRCam Imaging	(10) J1316+2614
J1415+2036				
	21	NIRSpec	NIRSpec IFU Spectroscopy	(11) J1415+2036
	22	NIRCam	NIRCam Imaging	(11) J1415+2036

ABSTRACT

We propose JWST observations of a new class of extremely UV-bright galaxies at $z \sim 2-4$ with properties unlike anything observed so far, but reminiscent of those expected in the early Universe. These sources are the UV-brightest starbursts known, with surface densities and spectral features akin to young massive star clusters. Their rest-UV spectra show indications of Very Massive Stars and potential top-heavy IMFs, rarely seen in the

local Universe but predicted at very high redshifts. They are also the strongest LyC-emitting galaxies known so far, questioning the paradigm of cosmic reionization dominated by UV-faint sources. On top of that, they appear to be formed through massive inflows, perhaps monolithically, with exceptionally high star formation efficiencies leading to very short gas depletion timescales (few tens Myr). These enigmatic objects may completely change our understanding of UV-bright galaxies and their potential role in early galaxy formation and cosmic reionization. Does this new galaxy population represent a dominant, yet previously unproved mode of star formation and LyC escape at high redshift? Are they archetypes of the now well-established overabundant population of UV-bright galaxies at $z > 10$, but whose nature remains unknown? In this Small proposal (38hrs), we request high-SNR JWST NIRSpec/IFU and NIRCам observations to unambiguously establish all these exceptional properties, including the confirmation and characterization of extreme stellar populations and their ionizing output, unveil extreme galaxy formation mechanisms and stellar assembly histories, and test a new mode of LyC escape, a game changer in our census of the sources of reionization.

OBSERVING DESCRIPTION

This program aims to observe with JWST/NIRSpec integral-field spectroscopy and NIRCам imaging a newly discovered sample of extremely UV-bright and strong LyC emitters at $z=2-4$. The sample consists of nine sources in total.

NIRSpec/IFU medium-resolution: All the important emission lines of interest (stellar and nebular), such as HeII4686, CIV 5808, Balmer lines, [OIII]4363/4959/5007, and other faint lines, will be available with G235 (two sources) or the combination of G140+G235 (seven sources). The medium-resolution grating is requested for all (G140M-100LP and/or G235M-170LP). A 4-point dither pattern is requested in each observation, together with a NRSIRS2 readout mode. The Leakcal is not requested in these observations.

NIRCам imaging uses a set of two filters to observe simultaneously the rest-frame UV and near-IR emission of each galaxy. NIRCам observations with F070W in the short wavelength (SW) channel and F444W in the long wavelength (LW) channel will probe the rest-frame UV and near-IR in these sources. Observations will use SUBARRAY FULL and standard subpixel dither pattern with 4 or 5 positions. The selected readout mode is BRIGHT2.

Proposal 8258 - Targets - Formation and nature of the UV-brightest starbursts in the distant Universe

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	J0006+2452	RA: 00 06 44.7300 (1.6863750d) Dec: +24 52 53.19 (24.88144d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(3)	J0121+0025	RA: 01 21 56.0900 (20.4837083d) Dec: +00 25 20.30 (.42231d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(4)	J0817+3241	RA: 08 17 38.7790 (124.4115792d) Dec: +32 41 8.05 (32.68557d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(5)	J0850+1549	RA: 08 50 38.8600 (132.6619167d) Dec: +15 49 17.88 (15.82163d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(6)	J0950+0523	RA: 09 50 28.8200 (147.6200833d) Dec: +05 23 43.80 (5.39550d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(7)	J1220+0842	RA: 12 20 40.7200 (185.1696667d) Dec: +08 42 38.14 (8.71059d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(9)	J1249+1550	RA: 12 49 40.7600 (192.4198333d) Dec: +15 50 54.47 (15.84846d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		
	(10)	J1316+2614	RA: 13 16 29.6250 (199.1234375d) Dec: +26 14 6.96 (26.23527d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]		

Proposal 8258 - Targets - Formation and nature of the UV-brightest starbursts in the distant Universe

(11)	J1415+2036	RA: 14 15 41.3900 (213.9224583d) Dec: +20 36 56.36 (20.61566d) Equinox: J2000
<i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Starburst galaxies]</i>		

Proposal 8258 - Observation 1 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 1: NIRSpec											Fri Oct 17 16:00:22 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)	J0006+2452	RA: 00 06 44.7300 (1.6863750d) Dec: +24 52 53.19 (24.88144d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Starburst galaxies]											
Template	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points	
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G140M/F100LP	NRSIRS2	18	1	false	true	NONE	4	4	5310.356	225681
	2	G235M/F170LP	NRSIRS2	15	1	false	true	NONE	4	4	4435.023	225681

Proposal 8258 - Observation 2 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 2: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Observing Template: NIRCam Imaging										
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	J0006+2452	RA: 00 06 44.7300 (1.6863750d) Dec: +24 52 53.19 (24.88144d) Equinox: J2000								
Template	Comments: Category=Galaxy Description=[Starburst galaxies]										
	Module		Subarray				Target Placement				
Dithers	ALL		FULL				Module Gap				
	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
Spectral Elements	1	NONE				STANDARD				5	
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
Special Requirements	1	F070W	F444W	BRIGHT1	10	1	5	5	1019.993		
	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 5 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 5: NIRSpec											Fri Oct 17 16:00:22 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		
	(3)	J0121+0025		RA: 01 21 56.0900 (20.4837083d) Dec: +00 25 20.30 (.42231d) Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]											
Template	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points	
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G235M/F170LP	NRSIRS2	15	1	false	true	NONE	4	4	4435.023	225681

Proposal 8258 - Observation 6 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 6: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRCam Imaging										
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		
	(3)	J0121+0025	RA: 01 21 56.0900 (20.4837083d)								
			Dec: +00 25 20.30 (.42231d)								
			Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]										
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				STANDARD				5	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	5	5	1019.993		
Special Requirements	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 7 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 7: NIRSpec												Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning												
Diagnostics	Observing Template: NIRSpec IFU Spectroscopy												
	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name		Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	J0817+3241		RA: 08 17 38.7790 (124.4115792d) Dec: +32 41 8.05 (32.68557d) Equinox: J2000									
Template	Comments: Category=Galaxy Description=[Starburst galaxies]												
	TA Method						HFF Readout Mode						
Dithers	NONE						false						
	#	Dither Type		Size		Starting Point		Number of Points		Points			
Spectral Elements	1	CYCLING		MEDIUM		1		6					
	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID	
	1	G140M/F100LP	NRSIRS2	14	1	false	true	NONE	6	6	6214.867	225681	
Special Requirements	2	G235M/F170LP	NRSIRS2	11	1	false	true	NONE	6	6	4901.867	225681	
	Aperture PA Range 218.47164917 to 235.87164917 Degrees (V3 79.5 to 96.9) Aperture PA Range 245.97164917 to 260.17164917 Degrees (V3 107.0 to 121.2) Aperture PA Range 266.57164917 to 287.67164917 Degrees (V3 127.6 to 148.7) Aperture PA Range 315.47164917 to 185.97164917 Degrees (V3 176.5 to 47.0)												

Proposal 8258 - Observation 8 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 8: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRCam Imaging										
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		
	(4)	J0817+3241	RA: 08 17 38.7790 (124.4115792d)								
			Dec: +32 41 8.05 (32.68557d)								
			Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]										
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				STANDARD				5	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	5	5	1019.993		
Special Requirements	Offset 50.0 arcsec, 30.0 arcsec										

Proposal 8258 - Observation 9 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 9: NIRSpec											Fri Oct 17 16:00:22 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		
	(5)	J0850+1549	RA: 08 50 38.8600 (132.6619167d) Dec: +15 49 17.88 (15.82163d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Starburst galaxies]											
Template	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points	
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G140M/F100LP	NRSIRS2	13	1	false	true	NONE	4	4	3851.467	225681
	2	G235M/F170LP	NRSIRS2	10	1	false	true	NONE	4	4	2976.134	225681
Special Requirements	Aperture PA Range 130 to 68 Degrees (V3 351.02835083 to 289.02835083)											

Proposal 8258 - Observation 10 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 10: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRCam Imaging										
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		
	(5)	J0850+1549	RA: 08 50 38.8600 (132.6619167d) Dec: +15 49 17.88 (15.82163d) Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]										
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				STANDARD				4	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	4	4	815.995		
Special Requirements	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 11 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 11: NIRSpec											Fri Oct 17 16:00:22 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		
	(6)	J0950+0523	RA: 09 50 28.8200 (147.6200833d) Dec: +05 23 43.80 (5.39550d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Starburst galaxies]											
Template	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points	
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G140M/F100LP	NRSIRS2	10	1	false	true	NONE	4	4	2976.134	225681
	2	G235M/F170LP	NRSIRS2	10	1	false	true	NONE	4	4	2976.134	225681

Proposal 8258 - Observation 12 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 12: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Observing Template: NIRCam Imaging										
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(6)	J0950+0523	RA: 09 50 28.8200 (147.6200833d) Dec: +05 23 43.80 (5.39550d) Equinox: J2000								
Template	Comments: Category=Galaxy Description=[Starburst galaxies]										
	Module		Subarray				Target Placement				
Dithers	ALL		FULL				Module Gap				
	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
Spectral Elements	1	NONE				STANDARD				4	
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
Special Requirements	1	F070W	F444W	BRIGHT1	10	1	4	4	815.995		
	Offset 50.0 arcsec, 25.0 arcsec										

Proposal 8258 - Observation 13 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 13: NIRSpec											Fri Oct 17 16:00:22 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		
	(7)	J1220+0842	RA: 12 20 40.7200 (185.1696667d) Dec: +08 42 38.14 (8.71059d) Equinox: J2000									
Template	Comments: Category=Galaxy Description=[Starburst galaxies]											
	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points	
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G140M/F100LP	NRSIRS2	10	1	false	true	NONE	4	4	2976.134	225681
	2	G235M/F170LP	NRSIRS2	10	1	false	true	NONE	4	4	2976.134	225681

Proposal 8258 - Observation 14 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 14: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRCam Imaging										
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		
	(7)	J1220+0842	RA: 12 20 40.7200 (185.1696667d) Dec: +08 42 38.14 (8.71059d) Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]										
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				SMALL-GRID-DITHER				4	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	4	4	815.995		
Special Requirements	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 17 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 17: NIRSpec												Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning												
	Observing Template: NIRSpec IFU Spectroscopy												
Diagnostics	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous		
	(9)	J1249+1550	RA: 12 49 40.7600 (192.4198333d) Dec: +15 50 54.47 (15.84846d) Equinox: J2000										
	Comments: Category=Galaxy Description=[Starburst galaxies]												
Template	TA Method						HFF Readout Mode						
	NONE						false						
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points		
	1	4-POINT-DITHER											
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID	
	1	G140M/F100LP	NRSIRS2	18	1	false	true	NONE	4	4	5310.356	225681	
	2	G235M/F170LP	NRSIRS2	14	1	false	true	NONE	4	4	4143.245	225681	

Proposal 8258 - Observation 18 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 18: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRCam Imaging										
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(9)	J1249+1550	RA: 12 49 40.7600 (192.4198333d) Dec: +15 50 54.47 (15.84846d) Equinox: J2000								
	Comments: Category=Galaxy Description=[Starburst galaxies]										
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				STANDARD				5	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	5	5	1019.993		
Special Requirements	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 19 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 19: NIRSpec												Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning												
	Observing Template: NIRSpec IFU Spectroscopy												
Diagnostics	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name		Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(10)	J1316+2614		RA: 13 16 29.6250 (199.1234375d) Dec: +26 14 6.96 (26.23527d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Starburst galaxies]												
Template	TA Method						HFF Readout Mode						
	NONE						false						
Dithers	#	Dither Type			Size		Starting Point		Number of Points		Points		
	1	4-POINT-DITHER											
Spectral Elements	#	Grating/Filter		Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G235M/F170LP		NRSIRS2	20	1	false	true	NONE	4	4	5893.912	225681

Proposal 8258 - Observation 20 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 20: NIRCam										Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Observing Template: NIRCam Imaging										
	(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(10)	J1316+2614	RA: 13 16 29.6250 (199.1234375d) Dec: +26 14 6.96 (26.23527d) Equinox: J2000								
Template	Comments: Category=Galaxy Description=[Starburst galaxies]										
	Module		Subarray				Target Placement				
Dithers	ALL		FULL				Module Gap				
	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
Spectral Elements	1	NONE				STANDARD				5	
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
Special Requirements	1	F070W	F444W	BRIGHT1	10	1	5	5	1019.993		
	Offset 50.0 arcsec, 40.0 arcsec										

Proposal 8258 - Observation 21 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 21: NIRSpec											Fri Oct 17 16:00:22 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRSpec IFU Spectroscopy											
Diagnostics	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(11)	J1415+2036	RA: 14 15 41.3900 (213.9224583d) Dec: +20 36 56.36 (20.61566d) Equinox: J2000									
	Comments: Category=Galaxy Description=[Starburst galaxies]											
Template	TA Method						HFF Readout Mode					
	NONE						false					
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
	1	G140M/F100LP	NRSIRS2	13	1	false	true	NONE	4	4	3851.467	225681
	2	G235M/F170LP	NRSIRS2	11	1	false	true	NONE	4	4	3267.911	

Proposal 8258 - Observation 22 - Formation and nature of the UV-brightest starbursts in the distant Universe

Observation	Proposal 8258, Observation 22: NIRCam Diagnostic Status: Warning Observing Template: NIRCam Imaging										Fri Oct 17 16:00:23 GMT 2025
Diagnostics	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(11)	J1415+2036	RA: 14 15 41.3900 (213.9224583d) Dec: +20 36 56.36 (20.61566d) Equinox: J2000 Comments: Category=Galaxy Description=[Starburst galaxies]								
Template	Module		Subarray				Target Placement				
	ALL		FULL				Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	NONE				STANDARD				4	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	
	1	F070W	F444W	BRIGHT1	10	1	4	4	815.995		
Special Requirements	Offset 50.0 arcsec, 40.0 arcsec										