



# 12581 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Cycle: 5, Proposal Category: GO

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JWST Proposal 12581 (Created: Wednesday, April 15, 2026, 4:01:24PM Eastern Standard Time) - Overview

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Dr. Nimish P. Hathi (CoI)	U.S. Patent and Trademark Office (USPTO)
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**OBSERVATIONS**

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
PLCKG004-19.5_QF				
	1	PLCKG004 NIRSpec	NIRSpec MultiObject Spectroscopy	(11) pg004_minimal_cat_msatargs_msa
	2	PLCKG004 NIRCам	NIRCам Imaging	(1) PLCKG004-19.5
SMACSJ2131-4019_SF				
	3	sj2131_plan_minimal2	NIRSpec MultiObject Spectroscopy	(12) sj2131_minimal_cat_msatargs2
	4	SJ2131 NIRCам	NIRCам Imaging	(2) SMACSJ2131-4019
A2537_YA				
	5	A2537 NIRSpec v0 minimal	NIRSpec MultiObject Spectroscopy	(13) a2537_minimal_cat_msatargs
	6	A2537 NIRCам	NIRCам Imaging	(3) A2537
RXCJ0032+1808_YA				
	7	RJ0032 NIRSpec v0 minimal	NIRSpec MultiObject Spectroscopy	(14) rj0032_minimal_cat_msatargs
	8	RJ0032 NIRCам	NIRCам Imaging	(4) RXCJ0032+1808
RXCJ0232-4420_QF				
	9	RJ0232 NIRSpec	NIRSpec MultiObject Spectroscopy	(15) rj0232_minimal_cat_msatargs_msa
	10	RJ0232 NIRCам	NIRCам Imaging	(5) RXCJ0232-4420
MACSJ0553-3342_QF				
	11	mj0553_minimal_plan2	NIRSpec MultiObject Spectroscopy	(16) mj0553_minimal_cat_msatargs_msa
	12	M0553 NIRCам	NIRCам Imaging	(6) MACSJ0553-3342
A3192_YA				

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<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	13	A3192 NIRSpec v0 minimal	NIRSpec MultiObject Spectroscopy	(17) a3192_minimal_cat_msatargs
	14	A3192 NIRCcam	NIRCcam Imaging	(7) A3192
MACSJ0257-2325_SF				
	15	mj0257_minimal_plan2	NIRSpec MultiObject Spectroscopy	(18) mj0257_minimal_cat_msatargs3
	16	MJ0257-2325 NIRCcam	NIRCcam Imaging	(8) MACSJ0257-2325
A383_SF				
	17	a383_minimal_plan2	NIRSpec MultiObject Spectroscopy	(19) a383_minimal_cat_msatargs2
	18	A383 NIRCcam	NIRCcam Imaging	(9) A383
CLJ0152-1357_SF				
	19	clj0152_minimal_plan2	NIRSpec MultiObject Spectroscopy	(20) clj0152_minimal_cat_msatargs2
	20	CLJ0152 NIRCcam	NIRCcam Imaging	(10) CLJ0152-1357

## ABSTRACT

Recent discoveries of luminous galaxies to  $z=14.3$  and numerous faint AGNs to  $z\sim 10$  are remarkable, prompting the next step of addressing their earlier phases to explore the first galaxies, black holes (BHs), and their evolution. However, their intrinsic faintness remains a challenge in general field surveys.

To overcome this, we propose a multi-epoch Treasury program that immediately releases uniform NIRCcam 10-filter imaging ( $0.16\text{deg}^2$ ;  $5\sigma\sim 28\text{mag}$ ) in 60 well-studied massive clusters (epoch1) and NIRSpec/MSA follow-up spectroscopy + NIRCcam 2filter imaging in the 10 best-selected clusters (epoch2). This program significantly widens JWST-observed highly-magnified areas and identifies apparently bright (thus spectroscopically feasible), but intrinsically faint distant objects  $>10\text{-}100\times$  more than previous lensing cluster surveys. Naturally, this enables unique discoveries in Image/Spec/Time dimensions and initial spec census of

- 1) Onset of star-formation at  $z>14$  and UV luminosity functions at  $z\sim 6\text{-}20$  down to  $M_{\text{UV}}=-12$
- 2) Spatially resolved characterizations and evolution histories in early galaxies down to star cluster scales
- 3) Low-mass BHs down to  $\sim 10^5 M_{\text{sun}}$  in normal galaxies and their over/under-massive relations
- 4) Lensed stars and supernovae at  $z>5\text{-}6$  and test the top-heavy initial mass function

The target clusters/numbers are carefully determined to secure the key discoveries beyond the cosmic variance. A wide lensing survey must now be

done to find where the community invests more time (e.g, long monitoring). We commit to immediate data release (maps, catalogs, multiple lens models) for all 60 lensing clusters, unlocking unprecedented legacy fields for the community.

## **OBSERVING DESCRIPTION**

VENUS is JWST's first wide ( $\sim 0.16 \text{ deg}^2$ ,  $5\sigma \sim 28\text{mag}$ ) lensing cluster survey to unlock the apparently bright (thus spectroscopically feasible), but intrinsically faint distant objects of galaxies, AGNs, stars, and SNe at  $z \sim 4-20$ , that are all unique laboratories to study their detailed characterizations with high-fidelity spectroscopy and approach first galaxies, BHs, and stars, mission of JWST.

The survey design consists of two key components of

A) Homogeneous NIRCam 10 filter imaging for 45 new clusters, 4-6 filter imaging for 14 NIRCam-observed clusters  
-> establish uniform  $N=60$  lensing clusters with NIRCam 10 filters (Epoch1 in Cycle4)

B) NIRCam 2 filter imaging and NIRSpec/MSA prism+G395M follow-up for the best-selected 10 lensing clusters (Epoch 2 in Cycle5),

and a coordinated-parallel component of

C) NIRISS 5 filter imaging (epoch1) and NIRCam 4 filter imaging (epoch2)

Below, we describe the observation details in each epoch, including the coordinated parallel.

\*\*\*\* A) Epoch1: NIRCam imaging \*\*\*\*

Following the successful UNCOVER scheme, our design uses initial NIRCam observations as "pre-imaging" for NIRSpec follow-up, while details are further optimized to maximize the community's benefit.

We observe 45 new clusters with NIRCam 10 filters and supplements currently missing 2-4 filters for 14 previously observed clusters. For the latter, short exposures with F150W/F444W will be added, creating time-domain fields without extra slewing costs.

\*\*\*\* B) Epoch: NIRCam + NIRSpec \*\*\*\*

NIRSpec/MSA prism+G395M follow-up for priority objects in 10 clusters, while re-obtaining short exposures in F150W/F444W to gain the time-domain fields.

Together with existing data, this strategy delivers unprecedented legacy fields: uniform 60 lensing clusters with 10 filters ( $\sim 0.16 \text{deg}^2$ ) and time-domain lensing fields ( $\sim 0.13 \text{deg}^2$ ).

HST/F160W data will complement NIRCcam/F150W for time domain in the 45 new cluster fields.

\*\*\*\* C. Coordinated-Parallel \*\*\*\*

Although luminous ultra-high-redshift galaxies, such as GS-z14-0 at  $z=14.3$  are likely well-evolved and may not represent the earliest star formation epochs, they are most likely descendants of the first galaxies. Thus, further identification of GS-z14-0-like galaxies and quantification of their abundance aligns with the primary objective of this program: to study the first galaxies, stars, and black holes.

Despite the absence of lensing benefits in off-cluster fields, we capitalize on the random lines of sight provided by lensing cluster observations. This approach is crucial for mitigating cosmic variance effects. Consequently, we conduct the following coordinated parallel observations:

Epoch 1) NIRISS F115W, F150W, F200W, F277W, F356W imaging concurrent with NIRCcam 10-filter imaging,

Epoch 2) NIRCcam F150W, F210M, F250M, F300M imaging during NIRSpec prism+G395M spectroscopy

This strategy yields an additional  $290 \text{arcmin}^2$  survey area, enhancing our ability to constrain the bright end ( $m_{\text{obs}} < 28.0-28.5 \sim \text{mag}$ ) of the UV luminosity function at  $z > 10-14$ .

NIRCcam observation setup:

We use a total of 10 NIRCcam filters: F090W/F115W/F150W/F200W/F210M/F277W/F300M/F356W/F410M/F444W.

The additional F210M+F300M is critical to improve the  $z > 12$  galaxy selection, discriminating the lower- $z$  dusty line emitters, which mimics the high- $z$  Lyman break feature.

We request  $\sim 20-30$  mins exposure to achieve 28mag (5sigma, point source) homogeneously in all these filters.

The same exposure time will be applied for the time-domain F150W/F444W observations.

NIRSpec MSA setup:

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We request 3545 sec for both prism and G395M to achieve our goals.

Exposures will be obtained with standard 3 nod-in-slit, NRSIRS2RAPID, 80 groups/int, 1 int.

Proposal 12581 - Targets - Vast Exploration for Nascent, Unexplored Sources (VENUS)

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	PLCKG004-19.5	RA: 19 17 4.5000 (289.2687500d) Dec: -33 31 28.50 (-33.52458d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(2)	SMACSJ2131-4019	RA: 21 31 4.8100 (322.7700417d) Dec: -40 19 21.47 (-40.32263d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(3)	A2537	RA: 23 08 22.2000 (347.0925000d) Dec: -02 11 32.40 (-2.19233d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(4)	RXCJ0032+1808	RA: 00 32 11.3562 (8.0473175d) Dec: +18 07 42.45 (18.12846d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(5)	RXCJ0232-4420	RA: 02 32 18.1000 (38.0754167d) Dec: -44 20 44.90 (-44.34581d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(6)	MACSJ0553-3342	RA: 05 53 25.0253 (88.3542721d) Dec: -33 42 31.10 (-33.70864d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(7)	A3192	RA: 03 58 53.1000 (59.7212500d) Dec: -29 55 44.80 (-29.92911d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				
(8)	MACSJ0257-2325	RA: 02 57 8.7913 (44.2866304d) Dec: -23 26 6.04 (-23.43501d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0	
<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>				

Fixed Targets

## Proposal 12581 - Targets - Vast Exploration for Nascent, Unexplored Sources (VENUS)

(9)	A383	RA: 02 48 3.4000 (42.0141667d) Dec: -03 31 44.70 (-3.52908d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0
<i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Galaxy groups]</i>			
(10)	CLJ0152-1357	RA: 01 52 42.9000 (28.1787500d) Dec: -13 57 31.00 (-13.95861d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0
<i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Galaxy groups]</i>			
(11)	pg004_minimal_cat_msatargs_msa	RA: 19 17 4.8100 (289.2700417d) Dec: -33 31 32.19 (-33.52561d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(12)	sj2131_minimal_cat_msatargs_2	RA: 21 31 5.5969 (322.7733204d) Dec: -40 19 4.58 (-40.31794d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(13)	a2537_minimal_cat_msatargs	RA: 23 08 19.8822 (347.0828425d) Dec: -02 11 5.59 (-2.18489d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(14)	rj0032_minimal_cat_msatargs	RA: 00 32 12.5951 (8.0524796d) Dec: +18 07 54.27 (18.13174d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(15)	rj0232_minimal_cat_msatargs_msa	RA: 02 32 15.2221 (38.0634254d) Dec: -44 21 4.23 (-44.35118d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(16)	mj0553_minimal_cat_msatarg_s_msa	RA: 05 53 27.8895 (88.3662062d) Dec: -33 42 27.50 (-33.70764d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			
(17)	a3192_minimal_cat_msatargs	RA: 03 58 53.1347 (59.7213946d) Dec: -29 56 41.57 (-29.94488d) Equinox: J2000	
<i>Comments:</i> <i>Description=[]</i>			

## Proposal 12581 - Targets - Vast Exploration for Nascent, Unexplored Sources (VENUS)

(18)	mj0257_minimal_cat_msatarg s3	RA: 02 57 9.1488 (44.2881200d) Dec: -23 26 13.92 (-23.43720d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(19)	a383_minimal_cat_msatargs2	RA: 02 48 4.0934 (42.0170558d) Dec: -03 31 56.83 (-3.53245d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		
(20)	clj0152_minimal_cat_msatargs 2	RA: 01 52 40.2395 (28.1676646d) Dec: -13 58 7.37 (-13.96871d) Equinox: J2000
<i>Comments:</i> <i>Description=[]</i>		

Proposal 12581 - Observation 1 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<b>Proposal 12581, Observation 1: PLKG004 NIRSpec</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging <i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i>																																																																																																													
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																																													
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>pg004_minimal_cat_msatargs_msa</td> <td>RA: 19 17 4.8100 (289.2700417d) Dec: -33 31 32.19 (-33.52561d) Equinox: J2000</td> <td colspan="4"></td> <td colspan="4"></td> </tr> </tbody> </table> <i>Comments: Description=[]</i>											#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(11)	pg004_minimal_cat_msatargs_msa	RA: 19 17 4.8100 (289.2700417d) Dec: -33 31 32.19 (-33.52561d) Equinox: J2000																																																																																					
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<b>Acquisition</b>	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																																																																														
	NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																																																																																																			
1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																																																																																																					
<b>Template</b>	<table border="1"> <thead> <tr> <th colspan="6">NIRSpec MultiObject Spectroscopy</th> <th colspan="5">NIRCam Imaging</th> </tr> </thead> <tbody> <tr> <td colspan="6">TA Method: MSATA</td> <td colspan="5">Module: ALL</td> </tr> <tr> <td colspan="6">HFF Readout Mode: false</td> <td colspan="5">Subarray: FULL</td> </tr> <tr> <td colspan="11">Obtain Confirmation Images: No</td> </tr> <tr> <td colspan="11">Science Aperture: MSA Center</td> </tr> <tr> <td colspan="11">Primary Candidate List: pg004_minimal_cat_msatargs_msa (7 sources)</td> </tr> <tr> <td colspan="11">Filler Candidate List: null</td> </tr> <tr> <td colspan="11">Spectral Overlap Map: jwst-nirspec-hr</td> </tr> <tr> <td colspan="11">Spectral Overlap Threshold: 1.5</td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy						NIRCam Imaging					TA Method: MSATA						Module: ALL					HFF Readout Mode: false						Subarray: FULL					Obtain Confirmation Images: No											Science Aperture: MSA Center											Primary Candidate List: pg004_minimal_cat_msatargs_msa (7 sources)											Filler Candidate List: null											Spectral Overlap Map: jwst-nirspec-hr											Spectral Overlap Threshold: 1.5										
	NIRSpec MultiObject Spectroscopy						NIRCam Imaging																																																																																																							
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<b>Reference Stars</b>																																																																																																														
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>											#	Dither Type	1	NONE																																																																																															
	#	Dither Type																																																																																																												
1	NONE																																																																																																													

Proposal 12581 - Observation 1 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	289.25786754166 67 Degrees - 33.511865277777 76 Degrees	202.50668812492 205			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	289.25786754166 67 Degrees - 33.511865277777 76 Degrees	202.50668812492 205			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 202.4745697 to 203.0745697 Degrees (V3 63.9 to 64.5)										
	No Parallel Attachments										
	MSA Planned Aperture PA 202.5000 to 202.5000 Degrees (V3 63.9254303 to 63.9254303)										

Proposal 12581 - Observation 2 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 2: PLKG004 NIRCam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Imaging</p>									
<b>Diagnostics</b>	<p>(PLKG004 NIRCam (Obs 2)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(1)	PLCKG004-19.5	RA: 19 17 4.5000 (289.2687500d) Dec: -33 31 28.50 (-33.52458d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 3 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<b>Proposal 12581, Observation 3: sj2131_plan_minimal2</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCam Imaging <i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i>										
	(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>		
	(12)	sj2131_minimal_cat_msatargs 2	RA: 21 31 5.5969 (322.7733204d) Dec: -40 19 4.58 (-40.31794d) Equinox: J2000								
<i>Comments: Description=[]</i>											
<b>Acquisition</b>	<b>NIRSpec MultiObject Spectroscopy</b>	<b>Reference Star Bin</b>	<b>Target</b>	<b>Filter</b>	<b>MSA Configuration</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>Optional ETC ID</b>
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
<b>Template</b>	<b>NIRSpec MultiObject Spectroscopy</b>					<b>NIRCam Imaging</b>					
	TA Method: MSATA HFF Readout Mode: false Obtain Confirmation Images: No Science Aperture: MSA Center Primary Candidate List: sj2131_minimal_cat_msatargs2 (7 sources) Filler Candidate List: sj2131_minimal_cat_msatargs2 (7 sources) Spectral Overlap Map: jwst-nirspec-hr Spectral Overlap Threshold: 1.5					Module: ALL Subarray: FULL					
<b>Reference Stars</b>											
<b>Dithers</b>	<b>#</b>										<b>Dither Type</b>
	1										NONE

Proposal 12581 - Observation 3 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		2 (G395M/F290LP)	c1	3 Shutter Slitlet	322.75981583333 333 Degrees - 40.302101111111 085 Degrees	23.008775853966 018			3	3	3545.1
2		1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	322.75981583333 333 Degrees - 40.302101111111 085 Degrees	23.008775853966 018			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 23 to 23 Degrees (V3 244.42543030000002 to 244.42543030000002)										
	No Parallel Attachments MSA Planned Aperture PA 23.0000 to 23.0000 Degrees (V3 244.42543030000002 to 244.42543030000002)										

Proposal 12581 - Observation 4 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 4: SJ2131 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(SJ2131 NIRCcam (Obs 4)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(2)	SMACSJ2131-4019	RA: 21 31 4.8100 (322.7700417d) Dec: -40 19 21.47 (-40.32263d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 5 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<b>Proposal 12581, Observation 5: A2537 NIRSpec v0 minimal</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec MultiObject Spectroscopy Coordinated Parallel Template(s): NIRCAM Imaging <i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i>																																
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>a2537_minimal_cat_msatargs</td> <td>RA: 23 08 19.8822 (347.0828425d) Dec: -02 11 5.59 (-2.18489d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(13)	a2537_minimal_cat_msatargs	RA: 23 08 19.8822 (347.0828425d) Dec: -02 11 5.59 (-2.18489d) Equinox: J2000														
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																												
(13)	a2537_minimal_cat_msatargs	RA: 23 08 19.8822 (347.0828425d) Dec: -02 11 5.59 (-2.18489d) Equinox: J2000																															
<i>Comments: Description=[]</i>																																	
<b>Acquisition</b>	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
	NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																						
1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																								
<b>Template</b>	<b>NIRSpec MultiObject Spectroscopy</b>					<b>NIRCAM Imaging</b>																											
	TA Method: MSATA HFF Readout Mode: false Obtain Confirmation Images: No Science Aperture: MSA Center Primary Candidate List: a2537_minimal_cat_msatargs (3 sources) Filler Candidate List: null Spectral Overlap Map: jwst-nirspec-hr Spectral Overlap Threshold: 1.5					Module: ALL Subarray: FULL																											
<b>Reference Stars</b>																																	
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>											#	Dither Type	1	NONE																		
	#	Dither Type																															
1	NONE																																

Proposal 12581 - Observation 5 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	347.08658333333 335 Degrees - 2.1813055555555 82 Degrees	204.99985370606 075			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	347.08658333333 335 Degrees - 2.1813055555555 82 Degrees	204.99985370606 075			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 198.5745697 to 208.5745697 Degrees (V3 60.0 to 70.0)										
	No Parallel Attachments MSA Planned Aperture PA 205.0000 to 205.0000 Degrees (V3 66.4254303 to 66.4254303)										

Proposal 12581 - Observation 6 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 6: A2537 NIRCam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Imaging</p>									
<b>Diagnostics</b>	<p>(A2537 NIRCam (Obs 6)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(3)	A2537	RA: 23 08 22.2000 (347.0925000d) Dec: -02 11 32.40 (-2.19233d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 7 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 7: RJ0032 NIRSpec v0 minimal</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></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>		
	(14)	rj0032_minimal_cat_msatargs	RA: 00 32 12.5951 (8.0524796d) Dec: +18 07 54.27 (18.13174d) Equinox: J2000								
	<i>Comments: Description=[]</i>										
<b>Acquisition</b>	<b>NIRSpec MultiObject Spectroscopy</b>	<b>Reference Star Bin</b>	<b>Target</b>	<b>Filter</b>	<b>MSA Configuration</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>Optional ETC ID</b>
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
<b>Template</b>	<b>NIRSpec MultiObject Spectroscopy</b>					<b>NIRCam Imaging</b>					
	TA Method: MSATA					Module: ALL					
	HFF Readout Mode: false					Subarray: FULL					
	Obtain Confirmation Images: No										
	Science Aperture: MSA Center										
	Primary Candidate List: Primary (4 sources)										
	Filler Candidate List: Fillers (5 sources)										
	Spectral Overlap Map: jwst-nirspec-hr										
	Spectral Overlap Threshold: 1.5										
<b>Reference Stars</b>											
<b>Dithers</b>	<b>#</b>										<b>Dither Type</b>
	1										NONE

Proposal 12581 - Observation 7 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	8.0336579583333 33 Degrees 18.144663055555 554 Degrees	204.99410297988 877			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	8.0336579583333 33 Degrees 18.144663055555 554 Degrees	204.99410297988 877			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 198.5745697 to 203.5745697 Degrees (V3 60.0 to 65.0)										
	No Parallel Attachments										
	MSA Planned Aperture PA 205.0000 to 205.0000 Degrees (V3 66.4254303 to 66.4254303)										

Proposal 12581 - Observation 8 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 8: RJ0032 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(RJ0032 NIRCcam (Obs 8)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(4)	RXCJ0032+1808	RA: 00 32 11.3562 (8.0473175d) Dec: +18 07 42.45 (18.12846d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>                      Category=Clusters of Galaxies                      Description=[Galaxy groups]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	<p>Offset -90.0 arcsec, 0.0 arcsec</p>									

Proposal 12581 - Observation 9 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 9: RJ0232 NIRSpec</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></p>																																
	<p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>rj0232_minimal_cat_msatargs_msa</td> <td>RA: 02 32 15.2221 (38.0634254d) Dec: -44 21 4.23 (-44.35118d) Equinox: J2000</td> <td colspan="4"></td> <td colspan="4"></td> </tr> </tbody> </table> <p><i>Comments: Description=[]</i></p>											#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(15)	rj0232_minimal_cat_msatargs_msa	RA: 02 32 15.2221 (38.0634254d) Dec: -44 21 4.23 (-44.35118d) Equinox: J2000								
	#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous																									
(15)	rj0232_minimal_cat_msatargs_msa	RA: 02 32 15.2221 (38.0634254d) Dec: -44 21 4.23 (-44.35118d) Equinox: J2000																															
<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788		
NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																							
1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																								
<b>Acquisition</b>	<p><b>NIRSpec MultiObject Spectroscopy</b></p> <p>TA Method: MSATA</p> <p>HFF Readout Mode: false</p> <p>Obtain Confirmation Images: No</p> <p>Science Aperture: MSA Center</p> <p>Primary Candidate List: rj0232_minimal_cat_msatargs_msa (4 sources)</p> <p>Filler Candidate List: null</p> <p>Spectral Overlap Map: jwst-nirspec-hr</p> <p>Spectral Overlap Threshold: 1.5</p>																																
	<p><b>NIRCam Imaging</b></p> <p>Module: ALL</p> <p>Subarray: FULL</p>																																
<b>Template</b>																																	
<b>Reference Stars</b>																																	
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>											#	Dither Type	1	NONE																		
	#	Dither Type																															
1	NONE																																

Proposal 12581 - Observation 9 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	38.058088208333 33 Degrees - 44.367885 Degrees	158.50373558021 874			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	38.058088208333 33 Degrees - 44.367885 Degrees	158.50373558021 874			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 158.5 to 158.5 Degrees (V3 19.9254303 to 19.9254303)										
	No Parallel Attachments MSA Planned Aperture PA 158.5000 to 158.5000 Degrees (V3 19.9254303 to 19.9254303)										

Proposal 12581 - Observation 10 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 10: RJ0232 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(RJ0232 NIRCcam (Obs 10)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(5)	RXCJ0232-4420	RA: 02 32 18.1000 (38.0754167d) Dec: -44 20 44.90 (-44.34581d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	<p>Offset -90.0 arcsec, 0.0 arcsec</p>									

Proposal 12581 - Observation 11 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 11: mj0553_minimal_plan2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></p>																																
<b>Diagnostics</b>	<p>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(16)</td> <td>mj0553_minimal_cat_msatarg s_msa</td> <td>RA: 05 53 27.8895 (88.3662062d) Dec: -33 42 27.50 (-33.70764d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: Description=[]</i></p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(16)	mj0553_minimal_cat_msatarg s_msa	RA: 05 53 27.8895 (88.3662062d) Dec: -33 42 27.50 (-33.70764d) Equinox: J2000														
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																													
(16)	mj0553_minimal_cat_msatarg s_msa	RA: 05 53 27.8895 (88.3662062d) Dec: -33 42 27.50 (-33.70764d) Equinox: J2000																															
<b>Acquisition</b>	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>Reference Star Bin</th> <th>Target</th> <th>Filter</th> <th>MSA Configuration</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>SAME</td> <td>F140X</td> <td>Auto Acq MSA Config</td> <td>NRSRAPID</td> <td>3</td> <td>1</td> <td>4</td> <td>171.788</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																							
1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788																								
<b>Template</b>	<table border="1"> <thead> <tr> <th>NIRSpec MultiObject Spectroscopy</th> <th>NIRCam Imaging</th> </tr> </thead> <tbody> <tr> <td>TA Method: MSATA</td> <td>Module: ALL</td> </tr> <tr> <td>HFF Readout Mode: false</td> <td>Subarray: FULL</td> </tr> <tr> <td>Obtain Confirmation Images: No</td> <td></td> </tr> <tr> <td>Science Aperture: MSA Center</td> <td></td> </tr> <tr> <td>Primary Candidate List: mj0553_minimal_cat_msatargs_msa (8 sources)</td> <td></td> </tr> <tr> <td>Filler Candidate List: null</td> <td></td> </tr> <tr> <td>Spectral Overlap Map: jwst-nirspec-hr</td> <td></td> </tr> <tr> <td>Spectral Overlap Threshold: 1.5</td> <td></td> </tr> </tbody> </table>											NIRSpec MultiObject Spectroscopy	NIRCam Imaging	TA Method: MSATA	Module: ALL	HFF Readout Mode: false	Subarray: FULL	Obtain Confirmation Images: No		Science Aperture: MSA Center		Primary Candidate List: mj0553_minimal_cat_msatargs_msa (8 sources)		Filler Candidate List: null		Spectral Overlap Map: jwst-nirspec-hr		Spectral Overlap Threshold: 1.5					
NIRSpec MultiObject Spectroscopy	NIRCam Imaging																																
TA Method: MSATA	Module: ALL																																
HFF Readout Mode: false	Subarray: FULL																																
Obtain Confirmation Images: No																																	
Science Aperture: MSA Center																																	
Primary Candidate List: mj0553_minimal_cat_msatargs_msa (8 sources)																																	
Filler Candidate List: null																																	
Spectral Overlap Map: jwst-nirspec-hr																																	
Spectral Overlap Threshold: 1.5																																	
<b>Reference Stars</b>																																	
<b>Dithers</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> </tr> </tbody> </table>											#	Dither Type	1	NONE																		
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1	NONE																																

Proposal 12581 - Observation 11 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	88.349471 Degrees - 33.723503611111 14 Degrees	198.50930209409 026			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	88.349471 Degrees - 33.723503611111 14 Degrees	198.50930209409 026			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 198.5 to 198.5 Degrees (V3 59.9254303 to 59.9254303)										
	No Parallel Attachments										
	MSA Planned Aperture PA 198.5000 to 198.5000 Degrees (V3 59.9254303 to 59.9254303)										

Proposal 12581 - Observation 12 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 12: M0553 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(M0553 NIRCcam (Obs 12)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(6)	MACSJ0553-3342	RA: 05 53 25.0253 (88.3542721d) Dec: -33 42 31.10 (-33.70864d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 13 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 13: A3192 NIRSpec v0 minimal</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy                  Coordinated Parallel Template(s): NIRCам Imaging  <i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></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>		
	(17)	a3192_minimal_cat_msatargs	RA: 03 58 53.1347 (59.7213946d) Dec: -29 56 41.57 (-29.94488d) Equinox: J2000								
	<i>Comments: Description=[]</i>										
<b>Acquisition</b>	<b>NIRSpec MultiObject Spectroscopy</b>	<b>Reference Star Bin</b>	<b>Target</b>	<b>Filter</b>	<b>MSA Configuration</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>Optional ETC ID</b>
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
<b>Template</b>	<p><b>NIRSpec MultiObject Spectroscopy</b></p> <p>TA Method: MSATA                  HFF Readout Mode: false                  Obtain Confirmation Images: No                  Science Aperture: MSA Center                  Primary Candidate List: Primary (3 sources)                  Filler Candidate List: Filler (1 sources)                  Spectral Overlap Map: jwst-nirspec-hr                  Spectral Overlap Threshold: 1.5</p>					<p><b>NIRCам Imaging</b></p> <p>Module: ALL                  Subarray: FULL</p>					
<b>Reference Stars</b>											
<b>Dithers</b>	<b>#</b>										<b>Dither Type</b>
	1										NONE

Proposal 12581 - Observation 13 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (G395M/F290LP)	c1	3 Shutter Slitlet	59.719232208333 33 Degrees - 29.924848611111 088 Degrees	175.00213914797 862			3	3	3545.1
2		2 (PRISM/CLEAR)	c1	3 Shutter Slitlet	59.719232208333 33 Degrees - 29.924848611111 088 Degrees	175.00213914797 862			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 170 to 180 Degrees (V3 31.4254303 to 41.4254303)										
	No Parallel Attachments										
	MSA Planned Aperture PA 175.0000 to 175.0000 Degrees (V3 36.4254303 to 36.4254303)										

Proposal 12581 - Observation 14 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 14: A3192 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(A3192 NIRCcam (Obs 14)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(7)	A3192	RA: 03 58 53.1000 (59.7212500d) Dec: -29 55 44.80 (-29.92911d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	<p>Offset -90.0 arcsec, 0.0 arcsec</p>									

Proposal 12581 - Observation 15 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 15: mj0257_minimal_plan2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCам Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></p>										
<b>Diagnostics</b>	<p>(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(18)	mj0257_minimal_cat_msatarg s3	RA: 02 57 9.1488 (44.2881200d) Dec: -23 26 13.92 (-23.43720d) Equinox: J2000								
	<p><i>Comments:</i> Description=[]</p>										
<b>Acquisition</b>	<b>NIRSpec MultiObject Spectroscopy</b>	<b>Reference Star Bin</b>	<b>Target</b>	<b>Filter</b>	<b>MSA Configuration</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>Optional ETC ID</b>
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	
<b>Template</b>	<p><b>NIRSpec MultiObject Spectroscopy</b></p> <p>TA Method: MSATA</p> <p>HFF Readout Mode: false</p> <p>Obtain Confirmation Images: No</p> <p>Science Aperture: MSA Center</p> <p>Primary Candidate List: mj0257_minimal_cat_msatargs3 (3 sources)</p> <p>Filler Candidate List: mj0257_minimal_cat_msatargs3 (3 sources)</p> <p>Spectral Overlap Map: jwst-nirspec-hr</p> <p>Spectral Overlap Threshold: 1.5</p>					<p><b>NIRCам Imaging</b></p> <p>Module: ALL</p> <p>Subarray: FULL</p>					
<b>Reference Stars</b>											
<b>Dithers</b>	<b>#</b>						<b>Dither Type</b>				
	1						NONE				

Proposal 12581 - Observation 15 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		2 (G395M/F290LP)	c1	3 Shutter Slitlet	44.288905041666 666 Degrees - 23.459685277777 794 Degrees	29.999641650320 08			3	3	3545.1
2		1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	44.288905041666 666 Degrees - 23.459685277777 794 Degrees	29.999641650320 08			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 30 to 31 Degrees (V3 251.42543030000002 to 252.42543030000002)										
	No Parallel Attachments MSA Planned Aperture PA 30.0000 to 30.0000 Degrees (V3 251.42543030000002 to 251.42543030000002)										

Proposal 12581 - Observation 16 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 16: MJ0257-2325 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(MJ0257-2325 NIRCcam (Obs 16)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(8)	MACSJ0257-2325	RA: 02 57 8.7913 (44.2866304d) Dec: -23 26 6.04 (-23.43501d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i> Category=Clusters of Galaxies Description=[Galaxy groups]</p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 17 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 17: a383_minimal_plan2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></p>											
<b>Diagnostics</b>	<p>(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(19)	a383_minimal_cat_msatargs2	RA: 02 48 4.0934 (42.0170558d) Dec: -03 31 56.83 (-3.53245d) Equinox: J2000									
	<p><i>Comments:</i> <i>Description=[]</i></p>											
<b>Acquisition</b>	<b>NIRSpec MultiObject Spectroscopy</b>	<b>Reference Star Bin</b>	<b>Target</b>	<b>Filter</b>	<b>MSA Configuration</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>Optional ETC ID</b>	
	1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788		
<b>Template</b>	<p><b>NIRSpec MultiObject Spectroscopy</b></p> <p>TA Method: MSATA</p> <p>HFF Readout Mode: false</p> <p>Obtain Confirmation Images: No</p> <p>Science Aperture: MSA Center</p> <p>Primary Candidate List: a383_minimal_cat_msatargs2 (2 sources)</p> <p>Filler Candidate List: a383_minimal_cat_msatargs2 (2 sources)</p> <p>Spectral Overlap Map: jwst-nirspec-hr</p> <p>Spectral Overlap Threshold: 1.5</p>					<p><b>NIRCam Imaging</b></p> <p>Module: ALL</p> <p>Subarray: FULL</p>						
<b>Reference Stars</b>												
<b>Dithers</b>	<b>#</b>						<b>Dither Type</b>					
	1						NONE					

Proposal 12581 - Observation 17 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	42.017442499999 994 Degrees - 3.552643333333 216 Degrees	213.50001596606 85			3	3	3545.1
2		2 (G395M/F290LP)	c1	3 Shutter Slitlet	42.017442499999 994 Degrees - 3.552643333333 216 Degrees	213.50001596606 85			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 208.5745697 to 216.5745697 Degrees (V3 70.0 to 78.0)										
	No Parallel Attachments MSA Planned Aperture PA 213.5000 to 213.5000 Degrees (V3 74.9254303 to 74.9254303)										

Proposal 12581 - Observation 18 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 18: A383 NIRCcam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Imaging</p>									
<b>Diagnostics</b>	<p>(A383 NIRCcam (Obs 18)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(9)	A383	RA: 02 48 3.4000 (42.0141667d) Dec: -03 31 44.70 (-3.52908d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									

Proposal 12581 - Observation 19 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 19: clj0152_minimal_plan2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCcam Imaging</p> <p><i>Comments: This specific PA range is required to align the shutters with the strongly lensed arc and/or distorted shape due to lensing of the highest priority target.</i></p>																																																																																																													
	<p>(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																																																																																													
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Proposal 12581 - Observation 19 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
	Spectroscopy										
1		1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	28.184815125 Degrees - 13.979884166666 693 Degrees	173.99590011205 06			3	3	3545.1
2		2 (G395M/F290LP)	c1	3 Shutter Slitlet	28.184815125 Degrees - 13.979884166666 693 Degrees	173.99590011205 06			3	3	3545.1
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure	Optional ETC ID	
									Time		
1		F150W2	F277W	SHALLOW4	7	3	9	3	3349.872		
2		F200W	F444W	SHALLOW4	7	3	9	3	3349.872		
Special Requirements	Aperture PA Range 173.5745697 to 174.5745697 Degrees (V3 35.0 to 36.0)										
	No Parallel Attachments										
	MSA Planned Aperture PA 174.0000 to 174.0000 Degrees (V3 35.4254303 to 35.4254303)										

Proposal 12581 - Observation 20 - Vast Exploration for Nascent, Unexplored Sources (VENUS)

Wed Apr 15 21:01:24 GMT 2026

<b>Observation</b>	<p><b>Proposal 12581, Observation 20: CLJ0152 NIRCam</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Imaging</p>									
<b>Diagnostics</b>	<p>(CLJ0152 NIRCam (Obs 20)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.</p> <p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(10)	CLJ0152-1357	RA: 01 52 42.9000 (28.1787500d) Dec: -13 57 31.00 (-13.95861d) Equinox: J2000		Proper Motion RA: 0.0 Proper Motion Dec: 0.0					
	<p><i>Comments:</i>  <i>Category=Clusters of Galaxies</i>  <i>Description=[Galaxy groups]</i></p>									
<b>Template</b>	<b>Module</b>		<b>Subarray</b>			<b>Target Placement</b>				
	ALL		FULL			Module gap (large extended source)				
<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	INTRAMODULEBOX		4	STANDARD			1		
<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>Optional ETC ID</b>
	1	F150W	F444W	SHALLOW4	6	1	4	4	1245.465	
<b>Special Requirements</b>	Offset -90.0 arcsec, 0.0 arcsec									