



4453 - NIRCcam DHS Characterization

Cycle: 2, Proposal Category: CAL/NIRCAM

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Flux Cal				
	1	F444W+DHS0 Direct and Flux	NIRCcam Engineering Imaging	(1) LAWD-52
	2	F322W2+DHS0 Direct and Flux	NIRCcam Engineering Imaging	(1) LAWD-52
Wavecal				
	3	F444W+DHS0 Wavecal	NIRCcam Engineering Imaging	(2) IRAS-05248-7007
	4	F322W2+DHS0 Wavecal	NIRCcam Engineering Imaging	(2) IRAS-05248-7007
Background				
	5	Zodi background	NIRCcam Engineering Imaging	(3) ECLIPTIC-RA315
New Fieldpoint Cal and F070W F090W				

JWST Proposal 4453 (Created: Monday, March 2, 2026, 4:00:09PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	6	F444W+DHS0 Direct and DHS substripe FP	NIRCam Engineering Imaging	(1) LAWD-52
	8	F444W GDHS0 + F070W and F090W	NIRCam Engineering Imaging	(1) LAWD-52
	7	F322W2+DHS0 Direct and DHS substripe FP	NIRCam Engineering Imaging	(1) LAWD-52
	9	F322W2 DHS0 + F070W and F090W	NIRCam Engineering Imaging	(1) LAWD-52
Final Fieldpoint, Subarray Location and Flux Cal				
	10	F444W+DHS0 Direct and DHS Flux Cal	NIRCam Engineering Imaging	(1) LAWD-52
	12	F322W2+DHS0 Direct and DHS Flux Cal	NIRCam Engineering Imaging	(1) LAWD-52
DHS Commissioning: Eng Imaging vs Grism TS Flux Cal				
	15	F444W DHS F150W2 Eng Imaging	NIRCam Engineering Imaging	(4) 2MASS-J17430448+6655015
	16	F444W DHS F150W2 Grism TS	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
	17	F322W2 DHS F150W2 Eng Imaging	NIRCam Engineering Imaging	(4) 2MASS-J17430448+6655015
	18	F322W2 DHS F150W2 Grism TS	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
Verify u-code fix				
	19	SUBGRISM256 normal subarray	NIRCam Dark	NONE
	20	SUB260S4 multistripe subarray	NIRCam Dark	NONE
	21	Full frame	NIRCam Dark	NONE
DHS Commissioning: Eng Imaging vs Grism TS Flux Cal				
	22	F444W DHS F150W2 Eng Imaging	NIRCam Engineering Imaging	(4) 2MASS-J17430448+6655015
	23	F444W DHS F150W2 Grism TS	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
	24	F322W2 DHS F150W2 Eng Imaging	NIRCam Engineering Imaging	(4) 2MASS-J17430448+6655015

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	25	F322W2 DHS F150W2 Grism TS	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
DHS Commissioning: All Substripe Subarrays Functionality				
	26	SUB260S4 with DHS3 Functionality	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
	27	SUB164S4 with DHS5 Functionality	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
	28	SUB82S2 with DHS6 Functionality	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015
	29	SUB41S1 with DHS7 Functionality	NIRCam Grism Time Series	(4) 2MASS-J17430448+6655015

ABSTRACT

This program will allow an initial characterization of the throughput, wavelength solution and background structure for the NIRCam Dispersed Hartmann sensor on the SW channel. The aim is to inform future decisions for the detailed implementation of Time-Series spectroscopy using the DHS0 and the LW GRISM simultaneously. This science enhancement is currently under development with a goal to be offered in future JWST cycles

This calibration program may change in response to system developments and the final Cycle 2 science program.

OBSERVING DESCRIPTION

Flux Calibration:

we will be executing 2 Observations of the CALSPEC standard LAWD-52 (GRW+70 5824). Within each observation we will be taking a short direct imaging exposure and a longer spectroscopic exposure. The direct image will allow us to relate the 10 DHS spectral traces to the direct image location using the same channel (as opposed to relying on LW->SW channel transformations).

Wavelength calibration:

we will be executing 2 Observations of the LMC planetary nebula IRAS-05248-7007. As for flux calibration, we will be taking an imaging exposure, followed by a spectroscopic one.

JWST Proposal 4453 (Created: Monday, March 2, 2026, 4:00:09PM Eastern Standard Time) - Overview

For both flux and wavelength calibration, 2 observations are necessary to probe 2 different fiducial points, corresponding to the 2 LW fiducial points for filter F444W and filters (F277W, F322W2, F356W). In order to simultaneously obtain spectra onto the SW detectors for all 10 “grism-lets” of the DHS0, we will use an offset special requirement to shift the fiducial points along the y-axis, to a location that will place the 10 DHS spectra symmetrically wrt the y-axis of the A1 and A3 detectors. The x-location of the pointing will be the same as for LW Grism Time Series allowing thus a very similar wavelength coverage.

Background measurements:

given the slitless nature of the DHS and the complex footprint of the spectra (each source produces 10 different spectra, spaced by about 120 SW pixels in the cross-dispersion direction) the structure of the background in a DHS observation is bound to be very complex. In an exercise akin to what has been done for NIRISS/SOSS, we will be obtaining 1 observation of the zodiacal background, using a large number of dithers to average out the effect of point sources while building up SNR.

NOTE: The background observation is now setup at a combination of ecliptic and galactic coordinates that allows scheduling all the dithers in a single visit, provides a good background flux (we are close to the ecliptic midplane) and avoids region too close to the galactic plane (galactic latitude ~ 30), in order to avoid being overwhelmed by the presence of point sources.

This is implicitly a timing constraint related to the target’s visibility.

Theoretically, other locations along the ecliptic -at even larger galactic latitudes -would be viable, and allow more flexible scheduling. However, as their galactic longitude changes, so does the visit splitting distance, hence the overall overhead might increase.

Proposal 4453 - Targets - NIRCcam DHS Characterization

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	LAWD-52	RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000	Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Calibration</i> <i>Description=[White dwarfs]</i></p>				
(2)	IRAS-05248-7007	RA: 05 24 20.7521 (81.0864671d) Dec: -70 05 1.60 (-70.08378d) Equinox: J2000	Proper Motion RA: 3.458137752944413E-4 sec of time/yr Proper Motion Dec: 2.45E-4 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Calibration</i> <i>Description=[Planetary nebulae]</i></p>				
(3)	ECLIPTIC-RA315	RA: 21 00 16.3665 (315.0681938d) Dec: -10 00 31.36 (-10.00871d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Calibration</i> <i>Description=[External flat field]</i></p>				
(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000	Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.40100000000001E-4" Epoch of Position: 2000	
<p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p>				
<p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p>				
<p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i> <i>Category=Calibration</i> <i>Description=[A stars]</i></p>				

Fixed Targets

Proposal 4453 - Observation 1 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 1: F444W+DHS0 Direct and Flux</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p>											
Diagnostics	<p>(F444W+DHS0 Direct and Flux (Obs 1)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	LAWD-52	RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000			Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[White dwarfs]</i></p>											
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F405N	F150W2	F444W	RAPID	4	1	1	1	42.947	
	2	GDHS0	GRISM	F150W2	F444W	BRIGHT2	10	5	5	1	1116.624	
Special Requirements	<p>Offset 0.0 arcsec, 14.6 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F444W</p>											

Proposal 4453 - Observation 2 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 2: F322W2+DHS0 Direct and Flux</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p>											
Diagnostics	<p>(F322W2+DHS0 Direct and Flux (Obs 2)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	LAWD-52	RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000			Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[White dwarfs]</i></p>											
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F323N	F150W2	F322W2	RAPID	4	1	1	1	42.947	
	2	GDHS0	GRISMR	F150W2	F322W2	BRIGHT2	10	5	5	1	1116.624	
Special Requirements	<p>Offset 0.0 arcsec, 14.6 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F322W2</p>											

Proposal 4453 - Observation 3 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 3: F444W+DHS0 Wavecal</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p>											
Diagnostics	<p>(F444W+DHS0 Wavecal (Obs 3)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(2)	IRAS-05248-7007	RA: 05 24 20.7521 (81.0864671d) Dec: -70 05 1.60 (-70.08378d) Equinox: J2000			Proper Motion RA: 3.458137752944413E-4 sec of time/yr Proper Motion Dec: 2.45E-4 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[Planetary nebulae]</i></p>											
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F405N	F150W2	F444W	RAPID	4	1	1	1	42.947	
	2	GDHS0	GRISMR	F150W2	F444W	SHALLOW4	8	5	5	1	2136.617	
Special Requirements	<p>Offset 0.0 arcsec, 14.6 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F444W</p>											

Proposal 4453 - Observation 4 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 4: F322W2+DHS0 Wavecal</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p>											
Diagnostics	<p>(F322W2+DHS0 Wavecal (Obs 4)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(2)	IRAS-05248-7007	RA: 05 24 20.7521 (81.0864671d) Dec: -70 05 1.60 (-70.08378d) Equinox: J2000			Proper Motion RA: 3.458137752944413E-4 sec of time/yr Proper Motion Dec: 2.45E-4 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[Planetary nebulae]</i></p>											
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F323N	F150W2	F322W2	RAPID	4	1	1	1	42.947	
	2	GDHS0	GRISMR	F150W2	F322W2	SHALLOW4	8	5	5	1	2136.617	
Special Requirements	<p>Offset 0.0 arcsec, 14.6 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F322W2</p>											

Proposal 4453 - Observation 5 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 5: Zodi background Diagnostic Status: Warning Observing Template: NIRCcam Engineering Imaging											
	(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)	ECLIPTIC-RA315	RA: 21 00 16.3665 (315.0681938d) Dec: -10 00 31.36 (-10.00871d) Equinox: J2000									
<i>Comments: Category=Calibration Description=[External flat field]</i>												
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	INTRASCA		17		STANDARD		16" (MEDIUM)		1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	GDHS0	GRISMR	F150W2	F322W2	BRIGHT2	6	1	17	17	2190.301	
	2	GDHS0	GRISMR	F150W2	F444W	BRIGHT2	6	1	17	17	2190.301	

Proposal 4453 - Observation 6 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 6: F444W+DHS0 Direct and DHS substripe FP</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>																																														
Diagnostics	<p>(F444W+DHS0 Direct and DHS substripe FP (Obs 6)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																														
Fixed Targets	<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>(1)</td> <td>LAWD-52</td> <td>RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000</td> <td>Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Calibration Description=[White dwarfs]</i></p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(1)	LAWD-52	RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000	Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5																											
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Mosaic	<table border="1"> <thead> <tr> <th>Rows</th> <th>Columns</th> <th>Row Overlap %</th> <th>Column Overlap %</th> <th>Row shift (deg)</th> <th>Column shift (deg)</th> <th>Tile Order</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>97.5</td> <td>10.0</td> <td>0.0</td> <td>0.0</td> <td>DEFAULT</td> </tr> </tbody> </table>											Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order	2	1	97.5	10.0	0.0	0.0	DEFAULT																						
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Pupil</th> <th>Long Pupil</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Dithers</th> <th>Total Exposure Time</th> <th>Optional ETC ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F164N</td> <td>F405N</td> <td>F150W2</td> <td>F444W</td> <td>BRIGHT1</td> <td>4</td> <td>1</td> <td>1</td> <td>1</td> <td>75.157</td> <td></td> </tr> <tr> <td>2</td> <td>GDHS0</td> <td>GRISMR</td> <td>F150W2</td> <td>F444W</td> <td>BRIGHT2</td> <td>10</td> <td>5</td> <td>5</td> <td>1</td> <td>1116.624</td> <td></td> </tr> </tbody> </table>											#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID	1	F164N	F405N	F150W2	F444W	BRIGHT1	4	1	1	1	75.157		2	GDHS0	GRISMR	F150W2	F444W	BRIGHT2	10	5	5	1	1116.624	
#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID																																				
1	F164N	F405N	F150W2	F444W	BRIGHT1	4	1	1	1	75.157																																					
2	GDHS0	GRISMR	F150W2	F444W	BRIGHT2	10	5	5	1	1116.624																																					

Proposal 4453 - Observation 6 - NIRCcam DHS Characterization

Special Requirements

Aperture PA Range 150 to 152 Degrees (V3 150.32453337 to 152.32453337)
Offset 0.0 arcsec, 46.9 arcsec
Fiducial Point Override NRCA5_GRISM_F444W
Sequence Observations 6, 8, Non-interruptible

Proposal 4453 - Observation 8 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 8: F444W GDHS0 + F070W and F090W</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>																																														
Diagnostics	<p>(F444W GDHS0 + F070W and F090W (Obs 8)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																														
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Special Requirements	<p>Aperture PA Range 150 to 152 Degrees (V3 150.32453337 to 152.32453337)</p> <p>Offset 0.0 arcsec, 46.9 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F444W</p> <p>Sequence Observations 6, 8, Non-interruptible</p>																																														

Proposal 4453 - Observation 7 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 7: F322W2+DHS0 Direct and DHS substripe FP</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>																																														
Diagnostics	<p>(F322W2+DHS0 Direct and DHS substripe FP (Obs 7)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																														
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Proposal 4453 - Observation 7 - NIRCcam DHS Characterization

Special Requirements

Aperture PA Range 150 to 152 Degrees (V3 149.74231843 to 151.74231843)
Offset 0.0 arcsec, 46.9 arcsec
Fiducial Point Override NRCA5_GRISM_F322W2
Sequence Observations 7, 9, Non-interruptible

Proposal 4453 - Observation 9 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 9: F322W2 DHS0 + F070W and F090W</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>											
Diagnostics	<p>(F322W2 DHS0 + F070W and F090W (Obs 9)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	LAWD-52	RA: 13 38 49.2465 (204.7051938d) Dec: +70 17 7.26 (70.28535d) Equinox: J2000			Proper Motion RA: -0.07946163100704791 sec of time/yr Proper Motion Dec: -0.024556000062148087 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Calibration Description=[White dwarfs]</i></p>											
Template	Module		Subarray				No. of Output Channels					
	A		FULL				4					
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	GDHS0	GRISMR	F070W	F322W2	BRIGHT2	10	5	5	1	1116.624	
	2	GDHS0	GRISMR	F090W	F322W2	BRIGHT2	10	5	5	1	1116.624	
Special Requirements	<p>Aperture PA Range 150 to 152 Degrees (V3 149.74231843 to 151.74231843)</p> <p>Offset 0.0 arcsec, 46.9 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F322W2</p> <p>Sequence Observations 7, 9, Non-interruptible</p>											

Proposal 4453 - Observation 10 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 10: F444W+DHS0 Direct and DHS Flux Cal</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>																																																																																																										
Diagnostics	<p>(F444W+DHS0 Direct and DHS Flux Cal (Obs 10)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																																																																																										
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4	GDHS0	GRISMR	F115W	F444W	BRIGHT2	5	5	5	1	579.786																																																																																																	
5	GDHS0	GRISMR	F150W	F444W	BRIGHT2	5	5	5	1	579.786																																																																																																	
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Special Requirements	<p>Aperture PA Range 209.67546663 to 269.67546663 Degrees (V3 210.0 to 270.0)</p> <p>Aperture PA Range 304.67546663 to 326.67546663 Degrees (V3 305.0 to 327.0)</p> <p>Offset 0.0 arcsec, 46.9 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F444W</p> <p>Same Aperture PA 10, 12 (V3 PAs differ)</p>																																																																																																										

Proposal 4453 - Observation 12 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 12: F322W2+DHS0 Direct and DHS Flux Cal</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>																																																																																																										
Diagnostics	<p>(F322W2+DHS0 Direct and DHS Flux Cal (Obs 12)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																																																																																										
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4	GDHS0	GRISMR	F115W	F322W2	BRIGHT2	5	5	5	1	579.786																																																																																																	
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7	GDHS0	GRISMR	F200W	F322W2	BRIGHT2	5	5	5	1	579.786																																																																																																	
Special Requirements	<p>Aperture PA Range 210.25768157 to 270.25768157 Degrees (V3 210.0 to 270.0)</p> <p>Aperture PA Range 305.25768157 to 327.25768157 Degrees (V3 305.0 to 327.0)</p> <p>Offset 0.0 arcsec, 46.9 arcsec</p> <p>Fiducial Point Override NRCA5_GRISM_F322W2</p> <p>Same Aperture PA 10, 12 (V3 PAs differ)</p>																																																																																																										

Proposal 4453 - Observation 15 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 15: F444W DHS F150W2 Eng Imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>											
	<p>(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Diagnosics												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d)	Dec: +66 55 1.66 (66.91713d)	Equinox: J2000	Proper Motion RA: 1.124 mas/yr	Proper Motion Dec: -2.714000083869905 mas/yr	Parallax: 5.401000000000001E-4"	Epoch of Position: 2000			
<p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration Description=[A stars]</i></p>												
Template	Module	Subarray						No. of Output Channels				
	A	SUB260S4_8-SPECTRA						4				
Dithers	#	Primary Dither Type			Primary Dithers		Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	NONE					STANDARD			1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F405N	F150W2	F444W	DHS4	5	3	3	1	73.915	
	2	GDHS0	GRISMR	F150W2	F444W	DHS4	10	10	10	1	519.912	

Proposal 4453 - Observation 15 - NIRCам DHS Characterization

Special Requirements

Before Date 05-JUN-2025:00:00:00

Group Observations 15, 16, 17, 18, Non-interruptible

Proposal 4453 - Observation 16 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 16: F444W DHS F150W2 Grism TS</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Grism Time Series</p>																													
	<p>(F444W DHS F150W2 Grism TS (Obs 16)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
Diagnosics																														
Fixed Targets	<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>(4)</td> <td>2MASS-J17430448+6655015</td> <td>RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000</td> <td>Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration Description=[A stars]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000	Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000											
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	#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																				
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	#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID																				
1	GDHS0+F150W2	GRISMRF322W2	DHS4	10	10	1	10	519.912																						

Proposal 4453 - Observation 16 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 15, 16, 17, 18, Non-interruptible

Proposal 4453 - Observation 17 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 17: F322W2 DHS F150W2 Eng Imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Engineering Imaging</p> <p><i>Comments: Offset SR to place the target in the SW SCA gap. Mosaic to refine best offset to achieve that placement. Orient to place spectra from nearby contaminating source (13:38:30, +70:16:17) ~1/2 way between the spectra of the target.</i></p>											
	<p>(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Diagnostics												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d)	Dec: +66 55 1.66 (66.91713d)	Equinox: J2000	Proper Motion RA: 1.124 mas/yr	Proper Motion Dec: -2.714000083869905 mas/yr	Parallax: 5.40100000000001E-4"	Epoch of Position: 2000			
<p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration Description=[A stars]</i></p>												
Template	Module	Subarray						No. of Output Channels				
	A	SUB260S4_8-SPECTRA						4				
Dithers	#	Primary Dither Type			Primary Dithers		Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	NONE					STANDARD			1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F323N	F150W2	F322W2	DHS4	5	3	3	1	73.915	
	2	GDHS0	GRISMR	F150W2	F322W2	DHS4	10	10	10	1	519.912	

Proposal 4453 - Observation 17 - NIRCам DHS Characterization

Special Requirements

Group Observations 15, 16, 17, 18, Non-interruptible

Proposal 4453 - Observation 18 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 18: F322W2 DHS F150W2 Grism TS</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Grism Time Series</p>																															
Diagnostics	<p>(F322W2 DHS F150W2 Grism TS (Obs 18)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																															
Fixed Targets	<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>(4)</td> <td>2MASS-J17430448+6655015</td> <td>RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000</td> <td colspan="4">Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000</td> <td colspan="4"></td> </tr> </tbody> </table> <p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration Description=[A stars]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000	Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000							
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#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID																							
1	GDHS0+F150W2	GRISMR+F322W2	DHS4	10	10	1	10	519.912																								

Proposal 4453 - Observation 18 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 15, 16, 17, 18, Non-interruptible

Proposal 4453 - Observation 19 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 19: SUBGRISM256 normal subarray</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Dark</p> <p><i>Comments: These darks must be executed as prime, not parallel.</i></p> <p><i>This observation and Obs 21, 21 are intended to be executed during the DSN contact on 2026-03-26, c.13:00 UT.</i></p>							
Diagnostics	<p>(SUBGRISM256 normal subarray (Obs 19)) Warning (Form): PARALLEL requirement expected.</p> <p>(SUBGRISM256 normal subarray (Obs 19)) Warning (Form): The DHS readout patterns are intended for use with the DHS subarrays</p> <p>(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Template	Module	Subarray	Science Template	Occulting Mask	No. of Output Channels			
	A	SUBGRISM256	GrismTimeSeries		4			
Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID
	1	DHS3	15	2	1	2	118.55	
Special Requirements	<p>Between Dates 26-MAR-2026:10:00:00 and 26-MAR-2026:22:00:00</p> <p>Sequence Observations 19, 20, 21, Non-interruptible</p>							

Proposal 4453 - Observation 20 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 20: SUB260S4 multistripe subarray</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Dark</p> <p><i>Comments: These darks must be executed as prime, not parallel.</i></p>																							
Diagnostics	<p>(SUB260S4 multistripe subarray (Obs 20)) Warning (Form): PARALLEL requirement expected.</p> <p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Subarray</th> <th>Science Template</th> <th>Occulting Mask</th> <th>No. of Output Channels</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>SUB260S4_8-SPECTRA</td> <td>GrismTimeSeries</td> <td></td> <td>4</td> </tr> </tbody> </table>	Module	Subarray	Science Template	Occulting Mask	No. of Output Channels	A	SUB260S4_8-SPECTRA	GrismTimeSeries		4													
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#	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID																	
1	DHS3	15	2	1	2	120.394																		
Special Requirements	<p>Sequence Observations 19, 20, 21, Non-interruptible</p>																							

Proposal 4453 - Observation 21 - NIRCam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 21: Full frame</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Dark</p> <p><i>Comments: These darks must be executed as prime, not parallel.</i></p>							
Diagnostics	<p>(Full frame (Obs 21)) Warning (Form): PARALLEL requirement expected.</p> <p>(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Template	Module	Subarray	Science Template	Occulting Mask	No. of Output Channels			
	A	FULL	Imaging		4			
Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID
	1	RAPID	10	1	1	1	107.368	
Special Requirements	<p>22 After 21 by 2 Days to <None specified></p> <p>Sequence Observations 19, 20, 21, Non-interruptible</p>							

Proposal 4453 - Observation 22 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 22: F444W DHS F150W2 Eng Imaging Diagnostic Status: Warning Observing Template: NIRCам Engineering Imaging Comments: Obs 22 and 23 should use the same GS.																																															
	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (F444W DHS F150W2 Eng Imaging (Obs 22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																																															
Diagnosics																																																
Fixed Targets	<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>(4)</td> <td>2MASS-J17430448+6655015</td> <td>RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000</td> <td>Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d) Dec: +66 55 1.66 (66.91713d) Equinox: J2000	Proper Motion RA: 1.124 mas/yr Proper Motion Dec: -2.714000083869905 mas/yr Parallax: 5.401000000000001E-4" Epoch of Position: 2000		Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ. This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=Calibration Description=[A stars]																																				
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2	GDHS0	GRISMR	F150W2	F444W	DHS4	10	10	10	1	519.912																																						

Proposal 4453 - Observation 22 - NIRCcam DHS Characterization

Special Requirements

22 After 21 by 2 Days to <None specified>
Sequence Observations 22, 23, Non-interruptible
Group Observations 22, 24 within 3 Days
Same Aperture PA 22, 23 (V3 PAs differ)

Proposal 4453 - Observation 23 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 23: F444W DHS F150W2 Grism TS</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Grism Time Series</p> <p><i>Comments: Obs 22 and 23 should use the same GS.</i></p>																													
	<p>(F444W DHS F150W2 Grism TS (Obs 23)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(F444W DHS F150W2 Grism TS (Obs 23)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																													
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	#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID																				
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	#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID																				
1	GDHS0+F150W2	GRISMR+F444W	DHS4	10	10	1	10	519.912																						

Proposal 4453 - Observation 23 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Sequence Observations 22, 23, Non-interruptible
Same Aperture PA 22, 23 (V3 PAs differ)

Proposal 4453 - Observation 24 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 24: F322W2 DHS F150W2 Eng Imaging</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Engineering Imaging</p> <p><i>Comments: Obs 24 and 25 should use the same GS.</i></p>											
	<p>(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(F322W2 DHS F150W2 Eng Imaging (Obs 24)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnosics												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	2MASS-J17430448+6655015	RA: 17 43 4.4856 (265.7686900d)	Dec: +66 55 1.66 (66.91713d)	Equinox: J2000	Proper Motion RA: 1.124 mas/yr	Proper Motion Dec: -2.714000083869905 mas/yr	Parallax: 5.40100000000001E-4"	Epoch of Position: 2000			
<p><i>Comments: A5V, K=12.8 JWST calibrator (even though it's a pulsating variable star). In the CVZ.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[A stars]</i></p>												
Template	Module	Subarray						No. of Output Channels				
	A	SUB260S4_8-SPECTRA						4				
Dithers	#	Primary Dither Type			Primary Dithers		Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	NONE					STANDARD			1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
	1	F164N	F323N	F150W2	F322W2	DHS4	5	3	3	1	73.915	
	2	GDHS0	GRISMR	F150W2	F322W2	DHS4	10	10	10	1	519.912	

Proposal 4453 - Observation 24 - NIRCcam DHS Characterization

Special Requirements

Group Observations 22, 24 within 3 Days
Sequence Observations 24, 25, Non-interruptible
Same Aperture PA 24, 25 (V3 PAs differ)

Proposal 4453 - Observation 25 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	<p>Proposal 4453, Observation 25: F322W2 DHS F150W2 Grism TS</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Grism Time Series</p> <p><i>Comments: Obs 24 and 25 should use the same GS.</i></p>																													
	<p>(F322W2 DHS F150W2 Grism TS (Obs 25)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(F322W2 DHS F150W2 Grism TS (Obs 25)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																													
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	#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID																				
1	GDHS0+F150W2	GRISMR+F322W2	DHS4	10	10	1	10	519.912																						

Proposal 4453 - Observation 25 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

26 After 25 by 0 Days to 15 Days
Sequence Observations 24, 25, Non-interruptible
Same Aperture PA 24, 25 (V3 PAs differ)

Proposal 4453 - Observation 26 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 26: SUB260S4 with DHS3 Functionality Diagnostic Status: Warning Observing Template: NIRCcam Grism Time Series																													
	(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (SUB260S4 with DHS3 Functionality (Obs 26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																													
Diagnosics																														
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Proposal 4453 - Observation 26 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

26 After 25 by 0 Days to 15 Days
Group Observations 26, 27, 28, 29, Non-interruptible
Same Aperture PA 26, 27, 28, 29

Proposal 4453 - Observation 27 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 27: SUB164S4 with DHS5 Functionality Diagnostic Status: Warning Observing Template: NIRCcam Grism Time Series																													
	(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (SUB164S4 with DHS5 Functionality (Obs 27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																													
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Proposal 4453 - Observation 27 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 26, 27, 28, 29, Non-interruptible
Same Aperture PA 26, 27, 28, 29

Proposal 4453 - Observation 28 - NIRCcam DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 28: SUB82S2 with DHS6 Functionality Diagnostic Status: Warning Observing Template: NIRCcam Grism Time Series																													
	(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (SUB82S2 with DHS6 Functionality (Obs 28)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																													
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Proposal 4453 - Observation 28 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 26, 27, 28, 29, Non-interruptible
Same Aperture PA 26, 27, 28, 29

Proposal 4453 - Observation 29 - NIRCам DHS Characterization

Mon Mar 02 21:00:09 GMT 2026

Observation	Proposal 4453, Observation 29: SUB41S1with DHS7 Functionality Diagnostic Status: Warning Observing Template: NIRCам Grism Time Series																													
	(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (SUB41S1with DHS7 Functionality (Obs 29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																													
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Proposal 4453 - Observation 29 - NIRCcam DHS Characterization

Special Requirements

Time Series Observation
No Parallel Attachments

Group Observations 26, 27, 28, 29, Non-interruptible
Same Aperture PA 26, 27, 28, 29