



7615 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Cycle: 4, Proposal Category: CAL/CROSS

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Karl D. Gordon (PI)	Space Telescope Science Institute
Dr. Martha L. Boyer (CoI)	Space Telescope Science Institute
Ms. Sherie Holfeltz (CoI)	Space Telescope Science Institute
Dr. Greg Sloan (CoI)	Space Telescope Science Institute
Dr. Kevin Volk (CoI) (CSA Member)	Space Telescope Science Institute - CSA - JWST
Dr. Peter Zeidler (CoI) (ESA Member)	Space Telescope Science Institute - ESA - JWST

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
P330-E				
	1	NIRCam pt1 Weak Lens Imaging Module B	NIRCam Engineering Imaging	(1) P330-E
	2	NIRCam pt1 GrismC Mod A SHORT	NIRCam Engineering Imaging	(1) P330-E
	3	NIRCam pt1 GrismC Mod A LONG	NIRCam Engineering Imaging	(1) P330-E
	4	NIRCam pt1 GrismR TS Mod A SHORT	NIRCam Engineering Imaging	(1) P330-E
	5	NIRCam pt1 GrismR TS Mod A LONG	NIRCam Engineering Imaging	(1) P330-E
	6	NIRCam pt1 WFSS Mod B SHORT	NIRCam Engineering Imaging	(1) P330-E
	7	NIRCam pt1 WFSS Mod B LONG	NIRCam Engineering Imaging	(1) P330-E

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Folder	Observation	Label	Observing Template	Science Target
	8	NIRCam pt1 GRISM TS F444W field point	NIRCam Grism Time Series	(1) P330-E
	9	NIRCam pt1 GRISM TS F322W2 field point	NIRCam Grism Time Series	(1) P330-E
	10	NIRCam pt1 Dual Coronagraphy MASK210R	NIRCam Coronagraphic Imaging	(2) P330-E-OFFSET
	11	NIRCam pt1 Dual Coronagraphy MASKSWB	NIRCam Coronagraphic Imaging	(2) P330-E-OFFSET
	19	NIRISS WFSS GR150R	NIRISS External Calibration	(1) P330-E
	20	NIRISS WFSS GR150C	NIRISS External Calibration	(1) P330-E
	21	NIRISS SOSS	NIRISS Single-Object Slitless Spectroscopy	(1) P330-E
	22	NIRISS SOSS background	NIRISS External Calibration	(5) P330E-SOSS-offset
	23	NIRISS AMI	NIRISS Aperture Masking Interferometry	(1) P330-E
	24	NIRISS Imaging (long wavelength plus short wavelength narrow)	NIRISS External Calibration	(1) P330-E
	26	NIRSpec FS prism	NIRSpec Fixed Slit Spectroscopy	(1) P330-E
	27	NIRSpec FS gratings SUB2048	NIRSpec Fixed Slit Spectroscopy	(1) P330-E
	28	NIRSpec FS gratings ALLSLITS	NIRSpec Fixed Slit Spectroscopy	(1) P330-E
	29	NIRSpec IFU	NIRSpec IFU Spectroscopy	(1) P330-E
	30	MIRI imaging	MIRI Imaging	(1) P330-E
	31	MIRI 4QPM - F1065C	MIRI Coronagraphic Photometric Calibration	(1) P330-E
	32	MIRI 4QPM - F1140C	MIRI Coronagraphic Photometric Calibration	(1) P330-E
	33	MIRI FULL - F1065C	MIRI External Flat	(1) P330-E
	34	MIRI FULL - F1140C	MIRI External Flat	(1) P330-E
HR6538				
	12	NIRCam pt1 Coronagraphy ND square SWB	NIRCam Coronagraphic Imaging	(3) HR6538
	13	NIRCam pt1 Coronagraphy ND square SWBS	NIRCam Coronagraphic Imaging	(3) HR6538

Folder	Observation	Label	Observing Template	Science Target
	14	NIRCam pt1 Coronagraphy ND square 210R	NIRCam Coronagraphic Imaging	(3) HR6538
	15	NIRCam pt1 Coronagraphy ND square LWB	NIRCam Coronagraphic Imaging	(3) HR6538
	16	NIRCam pt1 Coronagraphy ND square LWBL	NIRCam Coronagraphic Imaging	(3) HR6538
	17	NIRCam pt1 Coronagraphy ND square 335R	NIRCam Coronagraphic Imaging	(3) HR6538
	18	NIRCam pt1 Coronagraphy ND square 430R	NIRCam Coronagraphic Imaging	(3) HR6538
SNAP-2				
	25	NIRISS imaging (short wavelength filters only)	NIRISS External Calibration	(4) SNAP-2
	35	NIRSpec FS PRISM - S200A1	NIRSpec Fixed Slit Spectroscopy	(4) SNAP-2
	36	NIRSpec FS PRISM - S200A2	NIRSpec Fixed Slit Spectroscopy	(4) SNAP-2
	37	NIRSpec FS PRISM - S400A1	NIRSpec Fixed Slit Spectroscopy	(4) SNAP-2

ABSTRACT

This program obtains observations of A dwarf stars as part of the JWST absolute flux calibration effort. This effort uses all JWST instruments to provide absolute flux calibration for all JWST modes (filters, gratings, etc). The combined nature of this effort is to ensure the highest quality flux calibration internal to and between instruments and to carry out the observations efficiently. This program provides observations of A dwarf stars and companion programs provide observations of hot stars and solar analog observations. The absolute flux observations will be compared to model predictions of the stars' flux densities to calculate the appropriate calibration factors per instrument mode.

This calibration program may change in response to system developments and the final Cycle 4 science program.

OBSERVING DESCRIPTION

Observations of A dwarf stars for absolute flux calibration. Includes observation for part 1 and 2 of the combined instrument program. Part 1 observes one star in each instrument mode/detector where this star was observed in cycle 1 and shown to be a high quality absflux star. Part 2 observes a large sample in a subset of the modes to define the average, vet the sample, and diagnose any instrumental dependancies of the flux

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calibration (e.g. flux).

Proposal 7615 - Targets - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000	Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: G0 V</i> <i>Category=Star</i> <i>Description=[G dwarfs]</i> <i>Extended=NO</i>				
(2)	P330-E-OFFSET	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 51.40 (30.14761d) Equinox: J2000	Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: G0 V</i> <i>Offset is 5" N of target</i> <i>Category=Star</i> <i>Description=[G dwarfs]</i> <i>Extended=NO</i>				
(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000	Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: G1 V</i> <i>Category=Star</i> <i>Description=[G dwarfs]</i> <i>Extended=NO</i>				
(4)	SNAP-2	RA: 16 19 46.1029 (244.9420954d) Dec: +55 34 17.86 (55.57163d) Equinox: J2000	Proper Motion RA: -2.929 mas/yr Proper Motion Dec: -10.887 mas/yr Parallax: 0.000554" Epoch of Position: 2000.0	
<i>Comments: Position from Gaia EDR3</i> <i>Approximate spectral type: G0 V</i> <i>Category=Star</i> <i>Description=[G dwarfs]</i> <i>Extended=NO</i>				
(5)	P330E-SOSS-offset	RA: 16 31 45.2100 (247.9383750d) Dec: +30 04 14.80 (30.07078d) Equinox: J2000	Epoch of Position: 2000	
<i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Blank field]</i> <i>Extended=NO</i>				

Proposal 7615 - Observation 1 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 1: NIRCam pt1 Weak Lens Imaging Module B											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCam Engineering Imaging											
	Comments: Part 1											
Diagnostics	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO											
Template	Module				Subarray				No. of Output Channels			
	B				SUB400P				1			
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	NONE				STANDARD				7		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	WLP8	F470N	F150W	F444W	RAPID	5	1	7	7	69.705	
	2	WLP8	F405N	F140M	F444W	RAPID	6	1	7	7	81.299	
	3	WLP8	F466N	F182M	F444W	RAPID	5	1	7	7	69.705	
	4	WLP8	F323N	F200W	F322W2	RAPID	5	1	7	7	69.705	
	5	WLP8	F405N	F187N	F444W	BRIGHT2	12	1	7	7	289.985	
	6	WLP8	F466N	F212N	F444W	BRIGHT2	12	1	7	7	289.985	
	7	WLP8	F323N	F210M	F322W2	RAPID	6	1	7	7	81.299	

Proposal 7615 - Observation 2 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 2: NIRCam pt1 GrismC Mod A SHORT											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCam Engineering Imaging											
	Comments: For WFSS											
Diagnostics	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star											
Description=[G dwarfs]												
Extended=NO												
Template	Module		Subarray					No. of Output Channels				
	A		FULL					4				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	SUBARRAY_DITHER		4		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	ETC Wbkbk.Calc ID
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418	
	2	WLP8	GRISMC	F212N	F277W	RAPID	4	2	8	4	386.524	
	3	WLP8	GRISMC	F187N	F322W2	RAPID	4	2	8	4	386.524	
	4	WLP8	GRISMC	F140M	F356W	RAPID	4	2	8	4	386.524	
	5	WLP8	GRISMC	F182M	F250M	RAPID	4	2	8	4	386.524	
	6	WLP8	GRISMC	F210M	F300M	RAPID	4	2	8	4	386.524	
	7	WLP8	GRISMC	F200W	F335M	RAPID	4	2	8	4	386.524	
	8	CLEAR	GRISMC	WLP4	F360M	RAPID	4	2	8	4	386.524	

Proposal 7615 - Observation 2 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Offset 45.0 arcsec, 50.0 arcsec
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Proposal 7615 - Observation 3 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 3: NIRCcam pt1 GrismC Mod A LONG											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCcam Engineering Imaging											
	Comments: For WFSS											
Diagnostics	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star											
Description=[G dwarfs]												
Extended=NO												
Template	Module		Subarray					No. of Output Channels				
	A		FULL					4				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	SUBARRAY_DITHER		4		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	ETC Wkbk.Calc ID
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418	
	2	WLP8	GRISMC	F212N	F444W	RAPID	7	1	4	4	300.63	
	3	WLP8	GRISMC	F187N	F410M	RAPID	4	2	8	4	386.524	
	4	WLP8	GRISMC	F140M	F430M	RAPID	4	2	8	4	386.524	
	5	WLP8	GRISMC	F210M	F460M	RAPID	6	1	4	4	257.682	
	6	CLEAR	GRISMC	WLP4	F480M	RAPID	7	1	4	4	300.63	
Special Requirements	Offset -32.9 arcsec, -32.8 arcsec											

Proposal 7615 - Observation 4 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 4: NIRCcam pt1 GrismR TS Mod A SHORT											Tue May 27 22:00:38 GMT 2025		
	Diagnostic Status: Warning													
	Observing Template: NIRCcam Engineering Imaging													
	Comments: For WFSS at approx TS field point													
Diagnostics	(NIRCcam pt1 GrismR TS Mod A SHORT (Obs 4)) Warning (Form): The selected fiducial point is not a standard option for the instrument.													
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0							
	Comments: Position from Gaia EDR3													
	Spectral type: G0 V													
	Category=Star													
Template	Description=[G dwarfs]													
	Extended=NO													
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					4	
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID		
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418			
	2	WLP8	GRISMR	F212N	F277W	RAPID	4	3	12	4	601.259			
	3	WLP8	GRISMR	F187N	F322W2	RAPID	7	3	12	4	987.783			
	4	WLP8	GRISMR	F140M	F356W	RAPID	5	1	4	4	214.735			
	5	WLP8	GRISMR	F182M	F250M	RAPID	5	1	4	4	214.735			
	6	WLP8	GRISMR	F210M	F300M	RAPID	5	1	4	4	214.735			
	7	WLP8	GRISMR	F200W	F335M	RAPID	5	1	4	4	214.735			
	8	CLEAR	GRISMR	WLP4	F360M	RAPID	5	1	4	4	214.735			

Proposal 7615 - Observation 4 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Fiducial Point Override NRCA5_TAGRISMTS_SCI_F322W2
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Proposal 7615 - Observation 5 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 5: NIRCcam pt1 GrismR TS Mod A LONG											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCcam Engineering Imaging											
	Comments: For WFSS at approx TS field point											
Diagnostics	(NIRCcam pt1 GrismR TS Mod A LONG (Obs 5)) Warning (Form): The selected fiducial point is not a standard option for the instrument.											
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star											
Template	Description=[G dwarfs]											
	Extended=NO											
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				4		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418	
	2	WLP8	GRISMR	F212N	F444W	RAPID	7	3	12	4	987.783	
	3	WLP8	GRISMR	F182M	F410M	RAPID	5	1	4	4	214.735	
	4	WLP8	GRISMR	F210M	F430M	RAPID	5	1	4	4	214.735	
	5	WLP8	GRISMR	F140M	F460M	RAPID	6	1	4	4	257.682	
	6	WLP8	GRISMR	F187N	F480M	RAPID	7	1	4	4	300.63	
	7	WLP8	GRISMR	F200W	F480M	RAPID	5	1	4	4	214.735	
	8	CLEAR	GRISMR	WLP4	F480M	RAPID	5	1	4	4	214.735	

Proposal 7615 - Observation 5 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Fiducial Point Override NRCA5_TAGRISMTS_SCI_F444W
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Proposal 7615 - Observation 6 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 6: NIRCam pt1 WFSS Mod B SHORT											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCam Engineering Imaging											
	Comments: Part 1											
Diagnostics	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star											
Description=[G dwarfs]												
Extended=NO												
Template	Module		Subarray					No. of Output Channels				
	B		FULL					4				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions		
	1	SUBARRAY_DITHER		4		STANDARD				1		
Spectral Elements	#	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Ex p	Total Integrations	Total Dithers	Total Exposure Time	ETC Wbkb.Calc ID
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418	
	2	CLEAR	GRISMR	F212N	F277W	RAPID	5	1	4	4	214.735	
	3	CLEAR	GRISMR	F212N	F322W2	RAPID	5	1	4	4	214.735	
	4	CLEAR	GRISMR	F212N	F356W	RAPID	5	1	4	4	214.735	
	5	CLEAR	GRISMR	F212N	F250M	RAPID	5	1	4	4	214.735	
	6	CLEAR	GRISMR	F212N	F300M	RAPID	5	1	4	4	214.735	
	7	CLEAR	GRISMR	F212N	F335M	RAPID	5	1	4	4	214.735	
	8	CLEAR	GRISMR	F212N	F360M	RAPID	5	1	4	4	214.735	
	9	CLEAR	GRISMC	F212N	F277W	RAPID	5	1	4	4	214.735	
	10	CLEAR	GRISMC	F212N	F322W2	RAPID	5	1	4	4	214.735	
	11	CLEAR	GRISMC	F212N	F356W	RAPID	5	1	4	4	214.735	
	12	CLEAR	GRISMC	F212N	F250M	RAPID	5	1	4	4	214.735	
	13	CLEAR	GRISMC	F212N	F300M	RAPID	5	1	4	4	214.735	
	14	CLEAR	GRISMC	F212N	F335M	RAPID	5	1	4	4	214.735	
	15	CLEAR	GRISMC	F212N	F360M	RAPID	5	1	4	4	214.735	

Proposal 7615 - Observation 6 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Offset -37.7 arcsec, 51.3 arcsec
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Proposal 7615 - Observation 7 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 7: NIRCam pt1 WFSS Mod B LONG											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRCam Engineering Imaging											
	Comments: Part 1											
Diagnostics	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO											
Template	Module				Subarray				No. of Output Channels			
	B				FULL				4			
Dithers	#	Primary Dither Type			Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions	
	1	SUBARRAY_DITHER			4		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	ETC Wbkk.Calc ID
	1	CLEAR	F405N	F212N	F444W	RAPID	3	3	12	4	472.418	
	2	CLEAR	GRISMR	F212N	F444W	RAPID	7	1	4	4	300.63	
	3	CLEAR	GRISMR	F212N	F410M	RAPID	5	1	4	4	214.735	
	4	CLEAR	GRISMR	F212N	F430M	RAPID	5	1	4	4	214.735	
	5	CLEAR	GRISMR	F212N	F460M	RAPID	6	1	4	4	257.682	
	6	CLEAR	GRISMR	F212N	F480M	RAPID	7	1	4	4	300.63	
	7	CLEAR	GRISMC	F212N	F444W	RAPID	7	1	4	4	300.63	
	8	CLEAR	GRISMC	F212N	F410M	RAPID	5	1	4	4	214.735	
	9	CLEAR	GRISMC	F212N	F430M	RAPID	5	1	4	4	214.735	
	10	CLEAR	GRISMC	F212N	F460M	RAPID	6	1	4	4	257.682	
	11	CLEAR	GRISMC	F212N	F480M	RAPID	7	1	4	4	300.63	

Proposal 7615 - Observation 7 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Offset 32.1 arcsec, -32.8 arcsec
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Proposal 7615 - Observation 8 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 8: NIRCam pt1 GRISM TS F444W field point									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCam Grism Time Series									
	Comments: verifying at the TS field point									
Diagnostics	(NIRCam pt1 GRISM TS F444W field point (Obs 8)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition. (Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G0 V									
Acquisition	#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	SUB32TATSGRISM	F335M	RAPID	9	1	1	0.152	
Template	Subarray			No. of Output Channels			SW Channel Mode			
	SUBGRISM256			4			IMAGING			
Spectral Elements	#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR+WLP4	GRISMR+F444W	SHALLOW4	7	3	1	3	141.464	

Proposal 7615 - Observation 8 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Time Series Observation No Parallel Attachments
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Proposal 7615 - Observation 9 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 9: NIRCam pt1 GRismTS F322W2 field point									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCam Grism Time Series									
	Comments: verifying at the TS field point									
Diagnostics	(NIRCam pt1 GRismTS F322W2 field point (Obs 9)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.									
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G0 V									
	Category=Star									
Acquisition	Description=[G dwarfs]									
	Extended=NO									
	#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	SUB32TATSGRIS M	F335M	RAPID	9	1	1	0.152	
Template	Subarray			No. of Output Channels			SW Channel Mode			
	SUBGRISM256			4			IMAGING			
Spectral Elements	#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	CLEAR+WLP4	GRISMR+F322W2	BRIGHT2	7	3	1	3	60.662	

Proposal 7615 - Observation 9 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Time Series Observation No Parallel Attachments
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Proposal 7615 - Observation 10 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 10: NIRCcam pt1 Dual Coronagraphy MASK210R									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
	Comments: No need to do other round masks b/c it's just a different spot on the detector (A2/A5)									
Diagnostics	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(2)	P330-E-OFFSET	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 51.40 (30.14761d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3 Spectral type: G0 V									
	Offset is 5" N of target Category=Star Description=[G dwarfs] Extended=NO									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 P330-E	F210M	FAINT	RAPID	17	1	1	3.281	45636
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK210R		false		FULL		5-POINT-BOX	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F212N	F480M	BRIGHT2	8	1	5	5	858.942	
	2	F212N	F460M	BRIGHT2	8	1	5	5	858.942	
	3	F187N	F430M	BRIGHT2	7	1	5	5	751.574	
	4	F187N	F410M	RAPID	5	1	5	5	268.419	
	5	F187N	F360M	RAPID	5	1	5	5	268.419	
	6	F210M	F335M	RAPID	5	1	5	5	268.419	
	7	F210M	F300M	RAPID	5	1	5	5	268.419	
	8	F182M	F250M	RAPID	5	1	5	5	268.419	
	9	F182M	F444W	RAPID	5	1	5	5	268.419	
	10	F200W	F356W	RAPID	5	1	5	5	268.419	
	11	F200W	F322W2	RAPID	3	2	5	10	375.787	

Proposal 7615 - Observation 10 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments

Proposal 7615 - Observation 11 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 11: NIRCam pt1 Dual Coronagraphy MASKSWB									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCam Coronagraphic Imaging									
	Comments: No need to do LWB b/c it's just a different spot on the detector (A4/A5)									
Diagnostics	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(2)	P330-E-OFFSET	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 51.40 (30.14761d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3 Spectral type: G0 V									
	Offset is 5" N of target Category=Star Description=[G dwarfs] Extended=NO									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 P330-E	F210M	FAINT	RAPID	17	1	1	3.281	45636
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		false		FULL		3-POINT-BAR	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F212N	F480M	BRIGHT2	8	1	3	3	515.365	
	2	F212N	F460M	BRIGHT2	8	1	3	3	515.365	
	3	F187N	F430M	BRIGHT2	7	1	3	3	450.944	
	4	F187N	F410M	RAPID	5	1	3	3	161.052	
	5	F187N	F360M	RAPID	5	1	3	3	161.052	
	6	F210M	F335M	RAPID	5	1	3	3	161.052	
	7	F210M	F300M	RAPID	5	1	3	3	161.052	
	8	F182M	F250M	RAPID	5	1	3	3	161.052	
	9	F182M	F444W	RAPID	5	1	3	3	161.052	
	10	F200W	F356W	RAPID	5	1	3	3	161.052	
	11	F200W	F277W	RAPID	3	2	3	6	225.472	

Proposal 7615 - Observation 11 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

PSF References	PSF Reference: true
Special Requirements	Aperture PA Range 120 to 240 Degrees (V3 119.96307196 to 239.96307196) Aperture PA Range 300 to 60 Degrees (V3 299.96307196 to 59.96307196) No Parallel Attachments

Proposal 7615 - Observation 19 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 19: NIRISS WFSS GR150R					Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning					
	Observing Template: NIRISS External Calibration					
Diagnostics	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d)	Proper Motion RA: -8.882 mas/yr		
			Dec: +30 08 46.40 (30.14622d)	Proper Motion Dec: -38.705 mas/yr		
			Equinox: J2000	Parallax: 0.002215"		
				Epoch of Position: 2000.0		
	Comments: Position from Gaia EDR3					
	Spectral type: G0 V					
	Category=Star					
	Description=[G dwarfs]					
	Extended=NO					
Acquisition	#	Target				
	1	NONE				
Template	Pointing Type					
	PRIME					
Dithers	#	Pattern Type	Image Dithers	Primary Dithers	Subpixel Positions	Pattern Size
	1	WFSS	4			MEDIUM

Proposal 7615 - Observation 19 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Spectral Elements	#	Subarray	Aperture	Filter Wheel	Pupil Wheel	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	WFSS64R	DEFAULT APERTURE	CLEAR	F090W	NISRAPID	3	1	4	4	5.532	
	2	WFSS64R	DEFAULT APERTURE	GR150R	F090W	NISRAPID	10	2	4	8	30.138	
	3	WFSS64R	DEFAULT APERTURE	GR150R	F115W	NISRAPID	5	2	4	8	16.513	
	4	WFSS64R	DEFAULT APERTURE	GR150R	F158M	NISRAPID	5	2	4	8	16.513	
	5	WFSS64R	DEFAULT APERTURE	GR150R	F140M	NISRAPID	5	2	4	8	16.513	
	6	WFSS64R	DEFAULT APERTURE	GR150R	F150W	NISRAPID	5	2	4	8	16.513	
	7	WFSS64R	DEFAULT APERTURE	GR150R	F200W	NISRAPID	10	2	4	8	30.138	
	8	WFSS64R	DEFAULT APERTURE	CLEAR	F200W	NISRAPID	3	1	4	4	5.532	
Special Requirements	Aperture PA Range 94 to 145 Degrees (V3 93.43873283 to 144.43873283)											
	Aperture PA Range 160 to 223 Degrees (V3 159.43873283 to 222.43873283)											

Proposal 7615 - Observation 20 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 20: NIRISS WFSS GR150C					Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning					
Observing Template: NIRISS External Calibration						
Diagnostics	(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d)	Proper Motion RA: -8.882 mas/yr		
			Dec: +30 08 46.40 (30.14622d)	Proper Motion Dec: -38.705 mas/yr		
			Equinox: J2000	Parallax: 0.002215"		
				Epoch of Position: 2000.0		
	Comments: Position from Gaia EDR3					
	Spectral type: G0 V					
	Category=Star					
	Description=[G dwarfs]					
	Extended=NO					
Acquisition	#	Target				
	1	NONE				
Template	Pointing Type					
	PRIME					
Dithers	#	Pattern Type	Image Dithers	Primary Dithers	Subpixel Positions	Pattern Size
	1	WFSS	4			MEDIUM

Proposal 7615 - Observation 20 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Spectral Elements	#	Subarray	Aperture	Filter Wheel	Pupil Wheel	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	WFSS64C	DEFAULT APERTURE	CLEAR	F090W	NISRAPID	3	1	4	4	25.01	
	2	WFSS64C	DEFAULT APERTURE	GR150C	F090W	NISRAPID	3	2	4	8	50.02	
	3	WFSS64C	DEFAULT APERTURE	GR150C	F115W	NISRAPID	2	2	4	8	37.556	
	4	WFSS64C	DEFAULT APERTURE	GR150C	F158M	NISRAPID	2	2	4	8	37.556	
	5	WFSS64C	DEFAULT APERTURE	GR150C	F140M	NISRAPID	2	2	4	8	37.556	
	6	WFSS64C	DEFAULT APERTURE	GR150C	F150W	NISRAPID	2	2	4	8	37.556	
	7	WFSS64C	DEFAULT APERTURE	GR150C	F200W	NISRAPID	3	2	4	8	50.02	
	8	WFSS64C	DEFAULT APERTURE	CLEAR	F200W	NISRAPID	3	1	4	4	25.01	
Special Requirements	Aperture PA Range 94 to 105 Degrees (V3 93.43873283 to 104.43873283)											
	Aperture PA Range 120 to 223 Degrees (V3 119.43873283 to 222.43873283)											

Proposal 7615 - Observation 21 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 21: NIRISS SOSS									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRISS Single-Object Slitless Spectroscopy									
Diagnostics	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO									
Acquisition	#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 P330-E	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	151729
Template	Subarray					Include Short First Exposure and F277W Exposure?				
	SUBSTRIP256					true				
Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID		
	1	NISRAPID	1	1	1	1	11.008			
	2	NISRAPID	10	10	1	10	604.545			
	3	NISRAPID	10	10	1	10	604.545			

Proposal 7615 - Observation 21 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Special Requirements	Aperture PA Range 94 to 120 Degrees (V3 93.43873283 to 119.43873283) Aperture PA Range 170 to 200 Degrees (V3 169.43873283 to 199.43873283) Time Series Observation No Parallel Attachments Sequence Observations 21, 22, Non-interruptible
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Proposal 7615 - Observation 22 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 22: NIRISS SOSS background											Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning											
	Observing Template: NIRISS External Calibration											
Diagnostics	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous		
	(5)	P330E-SOSS-offset	RA: 16 31 45.2100 (247.9383750d) Dec: +30 04 14.80 (30.07078d) Equinox: J2000				Epoch of Position: 2000					
	Comments: Category=Unidentified Description=[Blank field] Extended=NO											
Acquisition	#	Target										
	1	NONE										
Template	Pointing Type											
	PRIME											
Mosaic	Rows	Columns	Row Overlap %		Column Overlap %		Row shift (deg)		Column shift (deg)		Tile Order	
	2	2	75.0		75.0		0.0		0.0		DEFAULT	
Dithers	#	Pattern Type	Image Dithers		Primary Dithers		Subpixel Positions			Pattern Size		
	1	NONE										
Spectral Elements	#	Subarray	Aperture	Filter Wheel	Pupil Wheel	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	FULL	DEFAULT APERTURE	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104	

Special Requirements	Sequence Observations 21, 22, Non-interruptible
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Proposal 7615 - Observation 23 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 23: NIRISS AMI										Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Observing Template: NIRISS Aperture Masking Interferometry										
	(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
Acquisition	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO										
	#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
Template	1	SAME	AMIFAIN	F480M	NISRAPID	19	1	1	0.93	151736	
	Subarray										
Dithers	SUB80										
	#	Primary Dithers					Subpixel Positions				
Spectral Elements	1	NONE					NONE				
	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	Direct Image	
Spectral Elements	1	F480M	NISRAPID	100	4	1	4	30.56		false	
	2	F380M	NISRAPID	100	4	1	4	30.56		false	
	3	F430M	NISRAPID	100	4	1	4	30.56		false	
	4	F277W	NISRAPID	100	4	1	4	30.56		false	

Proposal 7615 - Observation 23 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments

Proposal 7615 - Observation 24 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 24: NIRISS Imaging (long wavelength plus short wavelength narrow)					Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning					
Observing Template: NIRISS External Calibration						
Diagnostics	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d)	Proper Motion RA: -8.882 mas/yr		
			Dec: +30 08 46.40 (30.14622d)	Proper Motion Dec: -38.705 mas/yr		
			Equinox: J2000	Parallax: 0.002215"		
				Epoch of Position: 2000.0		
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO					
Acquisition	#	Target				
	1	NONE				
Template	Pointing Type					
	PRIME					
Dithers	#	Pattern Type	Image Dithers	Primary Dithers	Subpixel Positions	Pattern Size
	1	IMAGING	4			

Proposal 7615 - Observation 24 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Spectral Elements	#	Subarray	Aperture	Filter Wheel	Pupil Wheel	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUB64	DEFAULT APERTURE	CLEAR	F140M	NISRAPID	3	2	4	8	1.62	
	2	SUB64	DEFAULT APERTURE	CLEAR	F158M	NISRAPID	3	2	4	8	1.62	
	3	SUB128	DEFAULT APERTURE	F480M	CLEARP	NISRAPID	6	2	4	8	10.356	
	4	SUB128	DEFAULT APERTURE	F380M	CLEARP	NISRAPID	6	2	4	8	10.356	
	5	SUB128	DEFAULT APERTURE	F430M	CLEARP	NISRAPID	6	2	4	8	10.356	
	6	SUB64	DEFAULT APERTURE	F356W	CLEARP	NISRAPID	6	2	4	8	2.712	
	7	SUB128	DEFAULT APERTURE	F444W	CLEARP	NISRAPID	4	2	4	8	7.444	
	8	SUB64	DEFAULT APERTURE	F277W	CLEARP	NISRAPID	3	2	4	8	1.62	

Proposal 7615 - Observation 26 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 26: NIRSpec FS prism										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star											
Description=[G dwarfs]												
Extended=NO												
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	148132.41	
Template	HFF Readout Mode			Slit				Subarray				
	false			S1600A1				SUB512				
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S1600A1	NRSRAPID	4	50	1	NONE	5	250	287.82	148132.32

Proposal 7615 - Observation 27 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 27: NIRSpec FS gratings SUB2048										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3											
	Spectral type: G0 V											
	Category=Star Description=[G dwarfs] Extended=NO											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	148132.41	
Template	HFF Readout Mode			Slit				Subarray				
	false			S1600A1				SUB2048				
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G140M/F070LP	S1600A1	NRSRAPID	30	4	1	NONE	5	20	559.65	148132.33
	2	G140M/F100LP	S1600A1	NRSRAPID	15	1	2	NONE	5	5	72.262	148132.35
	3	G235M/F170LP	S1600A1	NRSRAPID	27	1	3	NONE	5	5	126.382	148132.34
	4	G395M/F290LP	S1600A1	NRSRAPID	90	1	4	NONE	5	5	410.512	148132.36
	5	G140H/F070LP	S1600A1	NRSRAPID	43	1	5	NONE	5	5	198.542	148132.37
	6	G140H/F100LP	S1600A1	NRSRAPID	48	1	6	NONE	5	5	221.092	148132.38
	7	G235H/F170LP	S1600A1	NRSRAPID	90	1	7	NONE	5	5	410.512	148132.39
	8	G395H/F290LP	S1600A1	NRSRAPID	260	1	8	NONE	5	5	1177.212	148132.40

Proposal 7615 - Observation 28 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 28: NIRSpec FS gratings ALLSLITS										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	148132.41	
Template	HFF Readout Mode			Slit				Subarray				
	false			S1600A1				ALLSLITS				
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G140H/F100LP	S1600A1	NRSRAPID	7	1	1	NONE	5	5	219.862	148132.38
	2	G235H/F170LP	S1600A1	NRSRAPID	14	1	2	NONE	5	5	412.152	148132.39
	3	G395H/F290LP	S1600A1	NRSRAPID	42	1	3	NONE	5	5	1181.312	148132.40

Proposal 7615 - Observation 29 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 29: NIRSpec IFU										Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: NIRSpec IFU Spectroscopy										
Diagnostics	(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d)			Proper Motion RA: -8.882 mas/yr					
			Dec: +30 08 46.40 (30.14622d)			Proper Motion Dec: -38.705 mas/yr					
			Equinox: J2000			Parallax: 0.002215"					
			Epoch of Position: 2000.0								
	Comments: Position from Gaia EDR3										
	Spectral type: G0 V										
	Category=Star										
	Description=[G dwarfs]										
	Extended=NO										
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	148132.41
Template	HFF Readout Mode										
	false										
Dithers	#	Dither Type		Size	Starting Point			Number of Points		Points	
	1	4-POINT-NOD									

Proposal 7615 - Observation 29 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G140M/F070LP	NRSIRS2RAPID	3	1	false	true	NONE	4	4	233.422	191903.13
	2	G140M/F100LP	NRSIRS2RAPID	4	1	false	true	NONE	4	4	291.778	148132.45
	3	G235M/F170LP	NRSIRS2RAPID	6	1	false	true	NONE	4	4	408.489	148132.46
	4	G395M/F290LP	NRSIRS2RAPID	18	1	false	true	NONE	4	4	1108.756	148132.47
	5	G140H/F100LP	NRSIRS2RAPID	9	1	false	true	NONE	4	4	583.556	148132.48
	6	G235H/F170LP	NRSIRS2RAPID	13	1	false	true	NONE	4	4	816.978	148132.49
	7	G395H/F290LP	NRSIRS2RAPID	25	2	false	true	NONE	4	8	3034.489	148132.50

Proposal 7615 - Observation 30 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 30: MIRI imaging										Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning										
	Observing Template: MIRI Imaging										
Diagnostics	(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3										
	Spectral type: G0 V										
	Category=Star										
Template	Subarray										
	FULL										
Dithers	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	CYCLING	1	4						LARGE	
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F560W	FASTR1	5	1	1	Dither 1	4	4	55.501	
	2	F770W	FASTR1	7	1	1	Dither 1	4	4	77.701	
	3	F1000W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	4	F1130W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	5	F1280W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	6	F1500W	FASTR1	10	1	1	Dither 1	4	4	111.002	
	7	F1800W	FASTR1	20	1	1	Dither 1	4	4	222.003	

Proposal 7615 - Observation 31 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 31: MIRI 4QPM - F1065C									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: MIRI Coronagraphic Photometric Calibration									
Diagnostics	(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO									
Template	Subarray									
	MASK1065									
Dithers	#	Starting Set		Number of Sets		Optimized For		Direction		
	1	1		1		POINT SOURCE		POSITIVE		
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F1065C	FASTR1	200	1	1	4	4	191.744	

Proposal 7615 - Observation 32 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 32: MIRI 4QPM - F1140C										Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Observing Template: MIRI Coronagraphic Photometric Calibration										
	(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000			Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0					
Template	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO										
	Subarray MASK1140										
Dithers	#	Starting Set			Number of Sets		Optimized For		Direction		
	1	1			1		POINT SOURCE		POSITIVE		
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	F1140C	FASTR1	240	1	1	4	4	230.093		

Proposal 7615 - Observation 33 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 33: MIRI FULL - F1065C												Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning													
	Observing Template: MIRI External Flat													
Diagnostics	(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0							
	Comments: Position from Gaia EDR3													
	Spectral type: G0 V													
	Category=Star													
	Description=[G dwarfs]													
	Extended=NO													
Template	Pointing Type	Detector	Dither		Lamp Use		Lamp On Time		Imager Subarray		Grating Wheel Direction			
	PRIME	IMAGER	true		OFF ONLY		0		FULL		Allow Auto Reorder			
Dithers	#	Dither Type			Starting Point			Number of Points			Pattern Size			
	1	CYCLING			1			4			LARGE			
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	F1065C			FASTR1	20	1	1	4	4	222.003		
Special Requirements	No Parallel Attachments													

Proposal 7615 - Observation 34 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 34: MIRI FULL - F1140C												Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning													
	Observing Template: MIRI External Flat													
Diagnostics	(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections				Miscellaneous			
	(1)	P330-E	RA: 16 31 33.8124 (247.8908850d) Dec: +30 08 46.40 (30.14622d) Equinox: J2000				Proper Motion RA: -8.882 mas/yr Proper Motion Dec: -38.705 mas/yr Parallax: 0.002215" Epoch of Position: 2000.0							
	Comments: Position from Gaia EDR3 Spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO													
Template	Pointing Type	Detector	Dither		Lamp Use		Lamp On Time		Imager Subarray		Grating Wheel Direction			
	PRIME	IMAGER	true		OFF ONLY		0		FULL		Allow Auto Reorder			
Dithers	#	Dither Type			Starting Point			Number of Points			Pattern Size			
	1	CYCLING			1			4			LARGE			
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wbk.Calc ID	
	1	IMAGER	F1140C			FASTR1	24	1	1	4	4	266.404	240929	
Special Requirements	No Parallel Attachments													

Proposal 7615 - Observation 12 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 12: NIRCcam pt1 Coronagraphy ND square SWB									Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning										
	Observing Template: NIRCcam Coronagraphic Imaging										
Diagnostics	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0					
	Comments: Position from Gaia EDR3										
	Spectral type: G1 V										
	Category=Star										
Description=[G dwarfs]											
Extended=NO											
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	F210M	BRIGHT (ND Square)	MEDIUM8	9	1	1	16.203	151202	
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern		
	A		MASKSWB		false		SUB640ASWB		NONE		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	F182M	F335M	RAPID	2	1	1	1	12.578		
PSF References	PSF Reference: true										

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 13 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 13: NIRCcam pt1 Coronagraphy ND square SWBS									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G1 V									
	Category=Star									
Description=[G dwarfs]										
Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F210M	BRIGHT (ND Square)	MEDIUM8	9	1	1	16.203	151202
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		false		SUB640ASWB		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F212N	F335M	RAPID	2	1	1	1	12.578	
PSF References	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 14 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 14: NIRCcam pt1 Coronagraphy ND square 210R									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
Diagnostics	Observing Template: NIRCcam Coronagraphic Imaging									
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
Acquisition	Comments: Position from Gaia EDR3 Spectral type: G1 V Category=Star Description=[G dwarfs] Extended=NO									
	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
Template	1	SAME	F210M	BRIGHT (ND Square)	MEDIUM8	9	1	1	16.203	151202
	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
Spectral Elements	A		MASK210R		false		SUB640A210R		NONE	
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
PSF References	1	F210M	F335M	RAPID	2	1	1	1	12.578	
	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 15 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 15: NIRCcam pt1 Coronagraphy ND square LWB									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G1 V									
	Category=Star									
Description=[G dwarfs]										
Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	17	1	1	16.505	151202
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKLWB		false		SUB400X256ALWB		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F210M	F335M	RAPID	2	1	1	1	3.209	
PSF References	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 16 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 16: NIRCcam pt1 Coronagraphy ND square LWBL									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G1 V									
	Category=Star									
Description=[G dwarfs]										
Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	17	1	1	16.505	151202
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKLWB		false		SUB400X256ALWB		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F210M	F480M	RAPID	2	1	1	1	3.209	
PSF References	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 17 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 17: NIRCcam pt1 Coronagraphy ND square 335R									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G1 V									
	Category=Star									
Description=[G dwarfs]										
Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	17	1	1	16.505	151202
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		false		SUB320A335R		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F210M	F335M	RAPID	2	1	1	1	3.228	
PSF References	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 18 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 18: NIRCcam pt1 Coronagraphy ND square 430R									Tue May 27 22:00:38 GMT 2025
	Diagnostic Status: Warning									
	Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(3)	HR6538	RA: 17 32 0.9920 (263.0041333d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000			Proper Motion RA: -240.516 mas/yr Proper Motion Dec: 63.524 mas/yr Parallax: 0.041318" Epoch of Position: 2000.0				
	Comments: Position from Gaia EDR3									
	Spectral type: G1 V									
	Category=Star									
Description=[G dwarfs]										
Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	17	1	1	16.505	151202
Template	Module		Occulting Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK430R		false		SUB320A430R		NONE	
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F210M	F335M	RAPID	2	1	1	1	3.228	
PSF References	PSF Reference: true									

Special Requirements	No Parallel Attachments
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Proposal 7615 - Observation 25 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 25: NIRISS imaging (short wavelength filters only)											Tue May 27 22:00:38 GMT 2025		
	Diagnostic Status: Warning													
	Observing Template: NIRISS External Calibration													
Diagnostics	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.													
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Miscellaneous		
	(4)	SNAP-2		RA: 16 19 46.1029 (244.9420954d) Dec: +55 34 17.86 (55.57163d) Equinox: J2000				Proper Motion RA: -2.929 mas/yr Proper Motion Dec: -10.887 mas/yr Parallax: 0.000554" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3 Approximate spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO													
Acquisition	#	Target												
	1	NONE												
Template	Pointing Type													
	PRIME													
Dithers	#	Pattern Type			Image Dithers		Primary Dithers		Subpixel Positions			Pattern Size		
	1	IMAGING			4									
Spectral Elements	#	Subarray	Aperture	Filter Wheel	Pupil Wheel	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID		
	1	SUB64	DEFAULT APERTURE	CLEAR	F200W	NISRAPID	25	2	4	8	9.628			
	2	SUB64	DEFAULT APERTURE	CLEAR	F150W	NISRAPID	25	2	4	8	9.628			
	3	SUB64	DEFAULT APERTURE	CLEAR	F115W	NISRAPID	25	2	4	8	9.628			
	4	SUB64	DEFAULT APERTURE	CLEAR	F090W	NISRAPID	25	2	4	8	9.628			

Proposal 7615 - Observation 35 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 35: NIRSpec FS PRISM - S200A1										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	SNAP-2	RA: 16 19 46.1029 (244.9420954d) Dec: +55 34 17.86 (55.57163d) Equinox: J2000			Proper Motion RA: -2.929 mas/yr Proper Motion Dec: -10.887 mas/yr Parallax: 0.000554" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3											
	Approximate spectral type: G0 V											
	Category=Star											
Description=[G dwarfs]												
Extended=NO												
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	0	
Template	HFF Readout Mode			Slit			Subarray					
	false			S200A1			SUBS200A1					
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S200A1	NRSRAPID	10	25	1	NONE	5	125	2144.81	

Proposal 7615 - Observation 36 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 36: NIRSpec FS PRISM - S200A2										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 36:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	SNAP-2	RA: 16 19 46.1029 (244.9420954d) Dec: +55 34 17.86 (55.57163d) Equinox: J2000			Proper Motion RA: -2.929 mas/yr Proper Motion Dec: -10.887 mas/yr Parallax: 0.000554" Epoch of Position: 2000.0						
	Comments: Position from Gaia EDR3 Approximate spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	0	
Template	HFF Readout Mode			Slit			Subarray					
	false			S200A2			SUBS200A2					
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S200A2	NRSRAPID	10	25	1	NONE	5	125	2144.81	

Proposal 7615 - Observation 37 - CAL-XCAL-403: Absolute Flux Calibration (Solar Analogs)

Observation	Proposal 7615, Observation 37: NIRSpec FS PRISM - S400A1										Tue May 27 22:00:38 GMT 2025	
	Diagnostic Status: Warning											
	Observing Template: NIRSpec Fixed Slit Spectroscopy											
Diagnostics	(Visit 37:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(4)	SNAP-2	RA: 16 19 46.1029 (244.9420954d) Dec: +55 34 17.86 (55.57163d) Equinox: J2000			Proper Motion RA: -2.929 mas/yr Proper Motion Dec: -10.887 mas/yr Parallax: 0.000554" Epoch of Position: 2000.0			Comments: Position from Gaia EDR3 Approximate spectral type: G0 V Category=Star Description=[G dwarfs] Extended=NO			
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	0	
Template	HFF Readout Mode			Slit			Subarray					
	false			S400A1			SUBS400A1					
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern				
	1	5						NONE				
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	S400A1	NRSRAPID	9	20	1	NONE	5	100	1560.048	