



## 6658 - CAL-NIS-307: SOSS background measurements

Cycle: 3, Proposal Category: CAL/NIRISS

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		NIRISS External Calibration	(1) ECLIPTIC-RA00
	2		NIRISS Imaging	(1) ECLIPTIC-RA00
	3		NIRISS External Calibration	(1) ECLIPTIC-RA00
	4		NIRISS External Calibration	(2) ECLIPTIC-RA20
	5		NIRISS External Calibration	(3) ECLIPTIC-RA40
	6		NIRISS External Calibration	(17) LAT60-LONG170
	7		NIRISS External Calibration	(16) JWST-NEP-TDF
	8		NIRISS External Calibration	(16) JWST-NEP-TDF
	9		NIRISS External Calibration	(15) LAT-30-LONG320

### ABSTRACT

Observations of the zodiacal light background are requested for 6 pointings, one of which is repeated to give some indication of whether there is a variability to the background from acquisition to acquisition depending on the grism position. Each field is fairly empty by the standards of the SOSS mode with no star bright enough to acquire. Observations are taken without an acquisition, and in full frame read-out with the GR700XD grism in the beam. No observations in the F277W filter are requested here. Analysis of these observations will allow some evaluation of how much the background may vary from pointing to pointing, and we expect to produce a number of zodiacal background template shapes from these data that

can be used in the analysis of SOSS time series.

This calibration program may change in response to system developments and the final Cycle 3 science program.

### **OBSERVING DESCRIPTION**

Observations in cycle 1 have shown that scaling the “template” NIRISS SOSS mode background image does not produce a good background subtraction in many cases. There are residuals at the few percent level which cause problems for the light-curve analysis. We request time to observe the SOSS background at six sky positions which are either near the ecliptic plane or near  $\pm 30$  degrees ecliptic latitude. These observations will provide more samples of the zodiacal light background shape in the GR700XD grism and thus give us a direct measurement of the level of variability in the background spectrum.

One sky position has 2 observations which are non-interruptable. This observation is intended to see whether changes in the PWCPOS causes a change in the background spectrum, by having a second acquisition of the same pointing between the exposures, as was done in program 1512 in cycle 1.

Proposal 6658 - Targets - CAL-NIS-307: SOSS background measurements

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	ECLIPTIC-RA00	RA: 00 37 22.6530 (9.3443875d) Dec: +01 25 50.53 (1.43070d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(2)	ECLIPTIC-RA20	RA: 01 50 36.5120 (27.6521333d) Dec: +11 32 18.10 (11.53836d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(3)	ECLIPTIC-RA40	RA: 03 56 13.5780 (59.0565750d) Dec: -09 17 39.52 (-9.29431d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(4)	ECLIPTIC-RA60	RA: 07 07 38.0400 (106.9085000d) Dec: +27 33 47.11 (27.56309d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(5)	ECLIPTIC-RA80	RA: 08 16 26.3285 (124.1097021d) Dec: +19 11 28.72 (19.19131d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(6)	ECLIPTIC-RA100	RA: 10 11 30.0400 (152.8751667d) Dec: +11 42 6.11 (11.70170d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(7)	ECLIPTIC-RA120	RA: 12 03 47.2300 (180.9467917d) Dec: +04 45 23.79 (4.75661d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				
(8)	ECLIPTIC-RA140	RA: 14 02 31.5220 (210.6313417d) Dec: -04 30 44.15 (-4.51226d) Equinox: J2000		
<i>Comments: Category=Calibration Description=[External flat field]</i>				

Fixed Targets

Proposal 6658 - Targets - CAL-NIS-307: SOSS background measurements

(9)	ECLIPTIC-RA160	RA: 16 00 23.4186 (240.0975775d) Dec: -11 38 58.56 (-11.64960d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(10)	ECLIPTIC-RA180	RA: 18 59 29.4100 (284.8725417d) Dec: -43 53 21.12 (-43.88920d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(11)	ECLIPTIC-RA200	RA: 20 15 21.9600 (303.8415000d) Dec: -26 49 59.90 (-26.83331d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(12)	ECLIPTIC-RA220	RA: 22 04 31.9200 (331.1330000d) Dec: -11 49 18.90 (-11.82192d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(13)	LAT30-LONG180	RA: 12 51 45.1400 (192.9380833d) Dec: +27 18 33.40 (27.30928d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(14)	LAT30-LONG150	RA: 10 59 53.9300 (164.9747083d) Dec: +39 21 11.20 (39.35311d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(15)	LAT-30-LONG320	RA: 22 19 17.5300 (334.8230417d) Dec: -42 51 25.20 (-42.85700d) Equinox: J2000
<p><i>Comments:</i> Category=Calibration Description=[External flat field]</p>		
(16)	JWST-NEP-TDF	RA: 17 23 12.0000 (260.8000000d) Dec: +65 45 52.00 (65.76444d) Equinox: J2000
<p><i>Comments:</i> Category=Unidentified Description=[Blank field]</p>		

Proposal 6658 - Targets - CAL-NIS-307: SOSS background measurements

(17)	LAT60-LONG170	RA: 13 59 29.0000 (209.8708333d) Dec: +55 58 53.90 (55.98164d) Equinox: J2000
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*Comments:*  
*Category=Calibration*  
*Description=[Stray light test]*  
*Extended=NO*

Proposal 6658 - Observation 1 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<p><b>Proposal 6658, Observation 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRISS External Calibration</p>							
<b>Diagnostics</b>	<p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:7) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:8) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:9) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 1:10) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Miscellaneous</b>			
	(1)	ECLIPTIC-RA00	RA: 00 37 22.6530 (9.3443875d) Dec: +01 25 50.53 (1.43070d) Equinox: J2000					
	<p><i>Comments:</i>                  Category=Calibration                  Description=[External flat field]</p>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>						
	1	NONE						
<b>Template</b>	<b>Pointing Type</b>							
	PRIME							
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>	
	5	2	75.0	75.0	0.0	0.0	DEFAULT	
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>	<b>Image Dithers</b>	<b>Primary Dithers</b>	<b>Subpixel Positions</b>	<b>Pattern Size</b>		
	1	NONE						

Proposal 6658 - Observation 1 - CAL-NIS-307: SOSS background measurements

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	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA</p> <p>Group Observations 1, 2, 3, Non-interruptible</p>											

Proposal 6658 - Observation 2 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<p><b>Proposal 6658, Observation 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRISS Imaging</p>									
<b>Diagnostics</b>	<p>(Observation 2) Warning (Form): Dither = NONE is strongly discouraged for NIRISS Imaging of science targets.</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>				<b>Miscellaneous</b>		
	(1)	ECLIPTIC-RA00	RA: 00 37 22.6530 (9.3443875d) Dec: +01 25 50.53 (1.43070d) Equinox: J2000							
	<p><i>Comments:</i>  <i>Category=Calibration</i>  <i>Description=External flat field</i></p>									
<b>Dithers</b>	<b>#</b>	<b>Image Dithers</b>				<b>Pattern Size</b>				
	1	NONE				MEDIUM				
<b>Spectral Elements</b>	<b>#</b>	<b>Filter</b>	<b>Grism</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F480M		NISRAPID	4	1	1	1	53.684	
<b>Special Requirements</b>	Group Observations 1, 2, 3, Non-interruptible									

Proposal 6658 - Observation 3 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<p><b>Proposal 6658, Observation 3</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRISS External Calibration</p>							
<b>Diagnostics</b>	<p>(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:7) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:8) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:9) Warning (Form): Overheads are provisional until the Visit Planner has been run.                  (Visit 3:10) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Miscellaneous</b>			
	(1)	ECLIPTIC-RA00	RA: 00 37 22.6530 (9.3443875d) Dec: +01 25 50.53 (1.43070d) Equinox: J2000					
	<p><i>Comments:</i>                  Category=Calibration                  Description=[External flat field]</p>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>						
	1	NONE						
<b>Template</b>	<b>Pointing Type</b>							
	PRIME							
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>	
	5	2	75.0	75.0	0.0	0.0	DEFAULT	
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>	<b>Image Dithers</b>	<b>Primary Dithers</b>	<b>Subpixel Positions</b>	<b>Pattern Size</b>		
	1	NONE						

Proposal 6658 - Observation 3 - CAL-NIS-307: SOSS background measurements

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	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA</p> <p>Group Observations 1, 2, 3, Non-interruptible</p>											

Proposal 6658 - Observation 4 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<b>Proposal 6658, Observation 4</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRISS External Calibration											
<b>Diagnostics</b>	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 4:2) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 4:3) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 4:4) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 4:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(2)	ECLIPTIC-RA20	RA: 01 50 36.5120 (27.6521333d) Dec: +11 32 18.10 (11.53836d) Equinox: J2000									
	<i>Comments:</i> Category=Calibration Description=[External flat field]											
<b>Acquisition</b>	<b>#</b>										<b>Target</b>	
	1										NONE	
<b>Template</b>	<b>Pointing Type</b>											
	PRIME											
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>					
	5	2	75.0	75.0	0.0	0.0	DEFAULT					
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>		<b>Image Dithers</b>		<b>Primary Dithers</b>		<b>Subpixel Positions</b>		<b>Pattern Size</b>		
	1	NONE										
<b>Spectral Elements</b>	<b>#</b>	<b>Subarray</b>	<b>Aperture</b>	<b>Filter Wheel</b>	<b>Pupil Wheel</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	FULL	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104	

Proposal 6658 - Observation 4 - CAL-NIS-307: SOSS background measurements

Special Requirements

Between Dates 01-JUL-2024 and 01-JUL-2025  
Group Visits within 53.0 Days  
Visits Same PA

Proposal 6658 - Observation 5 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	Proposal 6658, Observation 5 Diagnostic Status: Warning Observing Template: NIRISS External Calibration											
<b>Diagnostics</b>	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 5:2) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 5:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(3)	ECLIPTIC-RA40	RA: 03 56 13.5780 (59.0565750d) Dec: -09 17 39.52 (-9.29431d) Equinox: J2000									
	Comments: Category=Calibration Description=[External flat field]											
<b>Acquisition</b>	#										Target	
	1										NONE	
<b>Template</b>	Pointing Type PRIME											
<b>Mosaic</b>	Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order					
	5	2	75.0	75.0	0.0	0.0	DEFAULT					
<b>Dithers</b>	#	Pattern Type	Image Dithers	Primary Dithers	Subpixel Positions	Pattern Size						
	1	NONE										
<b>Spectral Elements</b>	#	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	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104	

Proposal 6658 - Observation 5 - CAL-NIS-307: SOSS background measurements

Special Requirements

Group Visits within 53.0 Days  
Visits Same PA

Proposal 6658 - Observation 6 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<b>Proposal 6658, Observation 6</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRISS External Calibration											
<b>Diagnostics</b>	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 6:2) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 6:3) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 6:4) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 6:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
(17)	LAT60-LONG170	RA: 13 59 29.0000 (209.8708333d) Dec: +55 58 53.90 (55.98164d) Equinox: J2000										
Comments: Category=Calibration Description=[Stray light test] Extended=NO												
<b>Acquisition</b>	<b>#</b>	<b>Target</b>										
1	NONE											
<b>Template</b>	<b>Pointing Type</b>											
PRIME												
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>					
5	2	75.0	75.0	0.0	0.0	DEFAULT						
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>	<b>Image Dithers</b>	<b>Primary Dithers</b>	<b>Subpixel Positions</b>	<b>Pattern Size</b>						
1	NONE											
<b>Spectral Elements</b>	<b>#</b>	<b>Subarray</b>	<b>Aperture</b>	<b>Filter Wheel</b>	<b>Pupil Wheel</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
1	FULL	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104		

Proposal 6658 - Observation 6 - CAL-NIS-307: SOSS background measurements

Special Requirements

Group Visits within 53.0 Days  
Visits Same PA

Proposal 6658 - Observation 7 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	Proposal 6658, Observation 7 Diagnostic Status: Warning Observing Template: NIRISS External Calibration											
<b>Diagnostics</b>	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 7:2) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 7:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(16)	JWST-NEP-TDF	RA: 17 23 12.0000 (260.8000000d) Dec: +65 45 52.00 (65.76444d) Equinox: J2000									
	Comments: Category=Unidentified Description=[Blank field]											
<b>Acquisition</b>	#										Target	
	1										NONE	
<b>Template</b>	Pointing Type PRIME											
<b>Mosaic</b>	Rows	Columns	Row Overlap %	Column Overlap %	Row shift (deg)	Column shift (deg)	Tile Order					
	5	2	75.0	75.0	0.0	0.0	DEFAULT					
<b>Dithers</b>	#	Pattern Type	Image Dithers	Primary Dithers	Subpixel Positions	Pattern Size						
	1	NONE										
<b>Spectral Elements</b>	#	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	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104	

Proposal 6658 - Observation 7 - CAL-NIS-307: SOSS background measurements

**Special Requirements**

Sequence Visits within 53.0 Days  
Visits Same PA

8 After 7 by 90 Days to 180 Days

Proposal 6658 - Observation 8 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<p><b>Proposal 6658, Observation 8</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRISS External Calibration</p>											
<b>Diagnostics</b>	<p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 8:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Visit 8:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
	(16)	JWST-NEP-TDF	RA: 17 23 12.0000 (260.8000000d)									
			Dec: +65 45 52.00 (65.76444d)									
			Equinox: J2000									
	<p><i>Comments:</i></p> <p><i>Category=Unidentified</i></p> <p><i>Description=[Blank field]</i></p>											
<b>Acquisition</b>	<b>#</b>										<b>Target</b>	
	1										NONE	
<b>Template</b>	<b>Pointing Type</b>											
	PRIME											
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>					
	5	2	75.0	75.0	0.0	0.0	DEFAULT					
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>	<b>Image Dithers</b>			<b>Primary Dithers</b>			<b>Subpixel Positions</b>		<b>Pattern Size</b>	
	1	NONE										
<b>Spectral Elements</b>	<b>#</b>	<b>Subarray</b>	<b>Aperture</b>	<b>Filter Wheel</b>	<b>Pupil Wheel</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	FULL	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104	

Proposal 6658 - Observation 8 - CAL-NIS-307: SOSS background measurements

**Special Requirements**

Sequence Visits within 53.0 Days  
Visits Same PA

8 After 7 by 90 Days to 180 Days

Proposal 6658 - Observation 9 - CAL-NIS-307: SOSS background measurements

Thu Jun 20 13:00:11 GMT 2024

<b>Observation</b>	<b>Proposal 6658, Observation 9</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRISS External Calibration											
<b>Diagnostics</b>	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 9:2) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 9:3) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 9:4) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 9:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>			
(15)	LAT-30-LONG320	RA: 22 19 17.5300 (334.8230417d) Dec: -42 51 25.20 (-42.85700d) Equinox: J2000										
<i>Comments:                  Category=Calibration                  Description=External flat field</i>												
<b>Acquisition</b>	<b>#</b>										<b>Target</b>	
1										NONE		
<b>Template</b>	<b>Pointing Type</b>											
PRIME												
<b>Mosaic</b>	<b>Rows</b>	<b>Columns</b>	<b>Row Overlap %</b>	<b>Column Overlap %</b>	<b>Row shift (deg)</b>	<b>Column shift (deg)</b>	<b>Tile Order</b>					
5	2	75.0	75.0	0.0	0.0	DEFAULT						
<b>Dithers</b>	<b>#</b>	<b>Pattern Type</b>	<b>Image Dithers</b>			<b>Primary Dithers</b>			<b>Subpixel Positions</b>		<b>Pattern Size</b>	
1	NONE											
<b>Spectral Elements</b>	<b>#</b>	<b>Subarray</b>	<b>Aperture</b>	<b>Filter Wheel</b>	<b>Pupil Wheel</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
1	FULL	NIS_CEN	CLEAR	GR700XD	NISRAPID	10	1	1	1	118.104		

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Special Requirements

Group Visits within 53.0 Days  
Visits Same PA