



4474 - NIRISS sub-array darks

Cycle: 2, Proposal Category: CAL/NIRISS

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Andre Martel (PI)	Space Telescope Science Institute
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Dr. Kevin Volk (CoI) (CSA Member)	Space Telescope Science Institute - CSA - JWST

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		NIRISS Dark	NONE
	2		NIRISS Dark	NONE
	3		NIRISS Dark	NONE
	4		NIRISS Dark	NONE
	5		NIRISS Dark	NONE
	6		NIRISS Dark	NONE
	7		NIRISS Dark	NONE
	8		NIRISS Dark	NONE
	9		NIRISS Dark	NONE
	10		NIRISS Dark	NONE
	11		NIRISS Dark	NONE
	12		NIRISS Dark	NONE
	13		NIRISS Dark	NONE
	14		NIRISS Dark	NONE
	15		NIRISS Dark	NONE
	16		NIRISS Dark	NONE

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	17		NIRISS Dark	NONE
	18		NIRISS Dark	NONE
	19		NIRISS Dark	NONE
	20		NIRISS Dark	NONE

ABSTRACT

Dark exposures are taken in the different science sub-arrays to produce the pipeline reference files for these read-out patterns. There are 4 sets of observations with 3 months between sets.

This calibration program is provisional and may change in response to system developments and the final science program.

OBSERVING DESCRIPTION

We request time to take a series of NIRISS sub-array darks in parallel to monitor the characteristics of the NIRISS detector in the science sub-arrays. Analysis of the observations will provide measurements of the dark signal, the specific noise properties in these configurations, and the bad pixels in the array. The observations will be used to update the pipeline dark reference files as needed.

Observations 1 to 5, 6 to 10, 11 to 15, and 16 to 20 constitute the four sets of observations. Each set has a nominal 1 month window, separated by a gap of 2 months. If the observations cannot be scheduled in the 1 month window then they can be rescheduled in the 2 month gap.

Proposal 4474 - Observation 1 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBSTRIP256	NISRAPID	30	30	30	5110.034	
Special Requirements	<p>Between Dates 01-JUL-2023:00:00:00 and 01-AUG-2023:00:00:00</p> <p>Parallel</p>							

Proposal 4474 - Observation 2 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 2 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBSTRIP96	NISRAPID	30	30	30	2059.634	
Special Requirements	<p>Between Dates 01-JUL-2023:00:00:00 and 01-AUG-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 3 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 3 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUB80	NISRAPID	800	30	30	1813.438	
Special Requirements	<p>Between Dates 01-JUL-2023:00:00:00 and 01-AUG-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 4 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 4 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTAAMI	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-JUL-2023:00:00:00 and 01-AUG-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 5 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 5 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTASOSS	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-JUL-2023:00:00:00 and 01-AUG-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 6 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 6</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBSTRIP256	NISRAPID	30	30	30	5110.034	
Special Requirements	<p>Between Dates 01-OCT-2023:00:00:00 and 01-NOV-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 7 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 7 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBSTRIP96	NISRAPID	30	30	30	2059.634	
Special Requirements	<p>Between Dates 01-OCT-2023:00:00:00 and 01-NOV-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 8 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 8 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUB80	NISRAPID	800	30	30	1813.438	
Special Requirements	<p>Between Dates 01-OCT-2023:00:00:00 and 01-NOV-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 9 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 9 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>																							
Diagnostics	<p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUBTAAMI</td> <td>NISRAPID</td> <td>19</td> <td>30</td> <td>30</td> <td>27.914</td> <td></td> </tr> </tbody> </table>								#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUBTAAMI	NISRAPID	19	30	30	27.914	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SUBTAAMI	NISRAPID	19	30	30	27.914																		
Special Requirements	<p>Between Dates 01-OCT-2023:00:00:00 and 01-NOV-2023:00:00:00 Parallel</p>																							

Proposal 4474 - Observation 10 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 10 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTASOSS	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-OCT-2023:00:00:00 and 01-NOV-2023:00:00:00 Parallel</p>							

Proposal 4474 - Observation 11 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 11</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>																							
Diagnostics	<p>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUBSTRIP256</td> <td>NISRAPID</td> <td>30</td> <td>30</td> <td>30</td> <td>5110.034</td> <td></td> </tr> </tbody> </table>								#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUBSTRIP256	NISRAPID	30	30	30	5110.034	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SUBSTRIP256	NISRAPID	30	30	30	5110.034																		
Special Requirements	<p>Between Dates 01-JAN-2024:00:00:00 and 01-FEB-2024:00:00:00</p> <p>Parallel</p>																							

Proposal 4474 - Observation 12 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 12</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>																							
Diagnostics	<p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUBSTRIP96</td> <td>NISRAPID</td> <td>30</td> <td>30</td> <td>30</td> <td>2059.634</td> <td></td> </tr> </tbody> </table>								#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUBSTRIP96	NISRAPID	30	30	30	2059.634	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SUBSTRIP96	NISRAPID	30	30	30	2059.634																		
Special Requirements	<p>Between Dates 01-JAN-2024:00:00:00 and 01-FEB-2024:00:00:00 Parallel</p>																							

Proposal 4474 - Observation 13 - NIRISS sub-array darks

Observation	<p>Proposal 4474, Observation 13</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>	Mon May 01 17:01:39 GMT 2023																
Diagnostics	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																	
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUB80</td> <td>NISRAPID</td> <td>800</td> <td>30</td> <td>30</td> <td>1813.438</td> <td></td> </tr> </tbody> </table>		#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUB80	NISRAPID	800	30	30	1813.438	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID											
1	SUB80	NISRAPID	800	30	30	1813.438												
Special Requirements	<p>Between Dates 01-JAN-2024:00:00:00 and 01-FEB-2024:00:00:00</p> <p>Parallel</p>																	

Proposal 4474 - Observation 14 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 14 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTAAMI	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-JAN-2024:00:00:00 and 01-FEB-2024:00:00:00 Parallel</p>							

Proposal 4474 - Observation 15 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 15 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>																							
Diagnostics	<p>(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUBTASOSS</td> <td>NISRAPID</td> <td>19</td> <td>30</td> <td>30</td> <td>27.914</td> <td></td> </tr> </tbody> </table>								#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUBTASOSS	NISRAPID	19	30	30	27.914	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SUBTASOSS	NISRAPID	19	30	30	27.914																		
Special Requirements	<p>Between Dates 01-JAN-2024:00:00:00 and 01-FEB-2024:00:00:00 Parallel</p>																							

Proposal 4474 - Observation 16 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 16 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>																							
Diagnostics	<p>(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																							
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUBSTRIP256</td> <td>NISRAPID</td> <td>30</td> <td>30</td> <td>30</td> <td>5110.034</td> <td></td> </tr> </tbody> </table>								#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUBSTRIP256	NISRAPID	30	30	30	5110.034	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SUBSTRIP256	NISRAPID	30	30	30	5110.034																		
Special Requirements	<p>Between Dates 01-APR-2024:00:00:00 and 01-MAY-2024:00:00:00 Parallel</p>																							

Proposal 4474 - Observation 17 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 17 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBSTRIP96	NISRAPID	30	30	30	2059.634	
Special Requirements	<p>Between Dates 01-APR-2024:00:00:00 and 01-MAY-2024:00:00:00 Parallel</p>							

Proposal 4474 - Observation 18 - NIRISS sub-array darks

Observation	<p>Proposal 4474, Observation 18</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRISS Dark</p>	Mon May 01 17:01:39 GMT 2023																
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																	
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Subarray</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SUB80</td> <td>NISRAPID</td> <td>800</td> <td>30</td> <td>30</td> <td>1813.438</td> <td></td> </tr> </tbody> </table>		#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SUB80	NISRAPID	800	30	30	1813.438	
#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID											
1	SUB80	NISRAPID	800	30	30	1813.438												
Special Requirements	<p>Between Dates 01-APR-2024:00:00:00 and 01-MAY-2024:00:00:00</p> <p>Parallel</p>																	

Proposal 4474 - Observation 19 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 19 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTAAMI	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-APR-2024:00:00:00 and 01-MAY-2024:00:00:00 Parallel</p>							

Proposal 4474 - Observation 20 - NIRISS sub-array darks

Mon May 01 17:01:39 GMT 2023

Observation	<p>Proposal 4474, Observation 20 Diagnostic Status: Warning Observing Template: NIRISS Dark</p>							
Diagnostics	<p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>							
Spectral Elements	#	Subarray	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SUBTASOSS	NISRAPID	19	30	30	27.914	
Special Requirements	<p>Between Dates 01-APR-2024:00:00:00 and 01-MAY-2024:00:00:00 Parallel</p>							