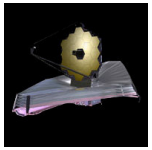

6657 - CAL-NIS-306: NIRCam and NIRISS Sky Flats

Cycle: 3, Proposal Category: CAL/NIRISS

INVESTIGATORS

Name	*Institution*
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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	1	Monitor w/ NIRISS	NIRCam Imaging	(9) ECLIPTIC-RA160
	2	Monitor w/ NIRISS	NIRCam Imaging	(11) ECLIPTIC-RA200
	3	Monitor w/ NIRISS	NIRCam Imaging	(1) ECLIPTIC-RA00
	4	Monitor w/ NIRISS	NIRCam Imaging	(3) ECLIPTIC-RA40
	5	Monitor w/ NIRISS	NIRCam Imaging	(5) ECLIPTIC-RA80
	6	Monitor w/ NIRISS	NIRCam Imaging	(7) ECLIPTIC-RA120

ABSTRACT

Observations of the zodiacal background are being taken to produce sky flats for the NIRISS F430M and F380M filters.

OBSERVING DESCRIPTION

These observations are intended to allow on-sky zodiacal flat field images to be made in the NIRISS F380M and F430M filters. These filters are narrower than the other NIRISS filters and are near the minimum of the zodiacal background spectrum, so they need a significant amount of time. NIRCam is taken as the primary instrument because the dither patterns available are better than what is available when NIRISS is prime.

Fixed Targets

#	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		
Comments: *Category=Calibration* *Description=[External flat field]*				
(2)	ECLIPTIC-RA20	RA: 01 50 36.5120 (27.6521333d) Dec: +11 32 18.10 (11.53836d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				
(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]*				
(4)	ECLIPTIC-RA60	RA: 07 07 38.0400 (106.9085000d) Dec: +27 33 47.11 (27.56309d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				
(5)	ECLIPTIC-RA80	RA: 08 16 26.3285 (124.1097021d) Dec: +19 11 28.72 (19.19131d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				
(6)	ECLIPTIC-RA10	RA: 10 11 30.0400 (152.8751667d) Dec: +11 42 6.11 (11.70170d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				
(7)	ECLIPTIC-RA120	RA: 12 03 47.2300 (180.9467917d) Dec: +04 45 23.79 (4.75661d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				
(8)	ECLIPTIC-RA140	RA: 14 02 31.5220 (210.6313417d) Dec: -04 30 44.15 (-4.51226d) Equinox: J2000		
Comments: *Category=Calibration* *Description=[External flat field]*				

(9)	ECLIPTIC-RA160	RA: 16 00 23.4186 (240.0975775d) Dec: -11 38 58.56 (-11.64960d) Equinox: J2000
Comments: *Category=Calibration* *Description=[External flat field]*		
(10)	ECLIPTIC-RA180	RA: 18 59 29.4100 (284.8725417d) Dec: -43 53 21.12 (-43.88920d) Equinox: J2000
Comments: *Category=Calibration* *Description=[External flat field]*		
(11)	ECLIPTIC-RA200	RA: 20 15 21.9600 (303.8415000d) Dec: -26 49 59.90 (-26.83331d) Equinox: J2000
Comments: *Category=Calibration* *Description=[External flat field]*		
(12)	ECLIPTIC-RA220	RA: 22 04 31.9200 (331.1330000d) Dec: -11 49 18.90 (-11.82192d) Equinox: J2000
Comments: *Category=Calibration* *Description=[External flat field]*		

Observation

Proposal 6657, Observation 1: Monitor w/ NIRISS

Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

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
(9)	ECLIPTIC-RA160	RA: 16 00 23.4186 (240.0975775d) Dec: -11 38 58.56 (-11.64960d) Equinox: J2000		

Comments:
Category=Calibration
Description=[External flat field]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F430M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F430M		NIS	16	1	17	17	11864.131	

Special Requirements	
	Between Dates 01-JUL-2024:00:00:00 and 15-AUG-2024:00:00:00 No Parallel Attachments 2 After 1 by 50 Days to 70 Days

Observation

Proposal 6657, Observation 2: Monitor w/ NIRISS

Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

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
(11)	ECLIPTIC-RA200	RA: 20 15 21.9600 (303.8415000d) Dec: -26 49 59.90 (-26.83331d) Equinox: J2000		

Comments:
Category=Calibration
Description=[External flat field]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F430M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F430M		NIS	16	1	17	17	11864.131	

Special Requirements	
	No Parallel Attachments 2 After 1 by 50 Days to 70 Days 3 After 2 by 50 Days to 70 Days

Observation

Proposal 6657, Observation 3: Monitor w/ NIRISS Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

Diagnostics

(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.

Fixed Targets

#	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		

Comments:
Category=Calibration
Description=[External flat field]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F430M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F430M		NIS	16	1	17	17	11864.131	

Special Requirements	
	Sequence Visits within 53.0 Days Visits Same PA No Parallel Attachments 3 After 2 by 50 Days to 70 Days 4 After 3 by 50 Days to 70 Days

Observation

Proposal 6657, Observation 4: Monitor w/ NIRISS

Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

Diagnostics

(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	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]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F360M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F380M		NIS	16	1	17	17	11864.131	

Special Requirements	
	No Parallel Attachments 4 After 3 by 50 Days to 70 Days 5 After 4 by 50 Days to 70 Days

Observation

Proposal 6657, Observation 5: Monitor w/ NIRISS Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

Diagnostics

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	ECLIPTIC-RA80	RA: 08 16 26.3285 (124.1097021d) Dec: +19 11 28.72 (19.19131d) Equinox: J2000		

Comments:
Category=Calibration
Description=[External flat field]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F360M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F380M		NIS	16	1	17	17	11864.131	

Special Requirements	
	No Parallel Attachments 5 After 4 by 50 Days to 70 Days 6 After 5 by 50 Days to 70 Days

Observation

Proposal 6657, Observation 6: Monitor w/ NIRISS Thu May 02 18:01:05 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): NIRISS Imaging

Diagnostics

(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.
(Visit 6:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	ECLIPTIC-RA120	RA: 12 03 47.2300 (180.9467917d) Dec: +04 45 23.79 (4.75661d) Equinox: J2000		

Comments:
Category=Calibration
Description=[External flat field]

Template

NIRCam Imaging	NIRISS Imaging
Module: ALL	
Subarray: FULL	
Target Placement: Module Gap	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRASCA	17	16" (MEDIUM)	1	NIRCam Only	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F070W	F360M	DEEP8	4	1	17	17	12411.706	

Spectral Elements

NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F380M		NIS	16	1	17	17	11864.131	

Special Requirements	
	Sequence Visits within 53.0 Days Visits Same PA No Parallel Attachments 6 After 5 by 50 Days to 70 Days