



6570 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Cycle: 2, Proposal Category: CAL/NIRCAM

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Julien Girard (PI)	Space Telescope Science Institute
Dr. David A. Golimowski (CoI) (Contact)	Space Telescope Science Institute
Dr. Mario Gennaro (CoI) (Contact)	Space Telescope Science Institute
Dr. Jarron Michael Leisenring (CoI) (Contact)	University of Arizona
Dr. Martha L. Boyer (CoI) (Contact)	Space Telescope Science Institute
Alicia Canipe (CoI) (Contact)	Space Telescope Science Institute
Dr. Armin Rest (CoI)	Space Telescope Science Institute

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
HD-44790				
	1	MASK210R, FAINT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(1) HD-44790
HD-44470				
	2	MASK210R, FAINT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(2) HD-44470
	3	MASKSWB, FAINT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(2) HD-44470
	4	MASKSWB-NARROW, FAINT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(2) HD-44470
HD-46730				
	5	MASK210R, BRIGHT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(3) HD-46730

JWST Proposal 6570 (Created: Thursday, February 29, 2024 at 12:05:23 PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	6	MASK335R, BRIGHT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(3) HD-46730
	7	MASK335R, FAINT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(3) HD-46730
	8	MASK430R, BRIGHT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(3) HD-46730
	9	MASK430R, FAINT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(3) HD-46730
	10	MASKLWB, BRIGHT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
	11	MASKLWB, FAINT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
	12	MASKLWB-NARROW, BRIGHT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
	13	MASKLWB-NARROW, FAINT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
	14	MASKSWB, BRIGHT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
	15	MASKSWB-NARROW, BRIGHT TA, 5-PT-BAR	NIRCam Coronagraphic Imaging	(3) HD-46730
HD-45080				
	16	MASK210R, BRIGHT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(4) HD-45080
	17	MASK335R, BRIGHT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(4) HD-45080
	18	MASK335R, FAINT TA, 5-PT-DIAMOND	NIRCam Coronagraphic Imaging	(4) HD-45080

ABSTRACT

The OSS 9.2 and SOC 6.2 deployments in late February 2024 include changes to the NIRCam SIAF and geometric distortion model that are expected to improve the accuracy of target acquisition for NIRCam coronagraphy. This program aims to verify this expectation and assess coronagraphic imaging performance resulting from these software and calibration upgrades.

OBSERVING DESCRIPTION

Bright F and G stars are acquired and positioned behind the round occulter and at two positions along each bar occulter using both faint and bright coronagraphic TA modes. The targets lie near the CVZ and have been selected from a list of vetted interferometry standards that exclude binary or multiple stars.

The number of targets observed for each combination of occulter and TA mode reflects the relative popularity of usage of the combinations over Cycles 1 and 2:

OCCULTER	TA FILTER	# OF TARGETS	
		BRIGHT-TA	FAINT-TA
MASK210R	F210M	2	2
MASK335R	F335M	2	2
MASK430R	F335M	1	1
MASKSWB	F210M	1	1
MASKLWB	F335M	1	1

Also, one target is observed at each of the new MASKSWB-NARROW and MASKLWB-NARROW fiducial points using both bright and faint TA modes to assess the accuracy of the SIAF values for those fiducial points before announcing their availability for GO observations.

TA exposure times have been designed to ensure $SNR > 100$ in the A subarray images used for image centroiding to mitigate the chances of failure due to nascent hot pixels that may have appeared since the implementation of the latest bad-pixel masks associated with the OSS 9.2 installation.

After TA, simultaneous dual-channel (SW + LW) coronagraphic observations are performed with the F210M and F335M filters for all occulter except MASKF430R, for which F210M and F430M are used. Each coronagraphic observation comprises 5 small-grid-dithered exposures crafted so that the brightest pixel in either the SW or LW coronagraphic images is ~20% of the saturation limit, which is the lower limit for confident measurement of the positions of the coronagraphic PSFs. These 5 dithered measurements are distributed around the centers of the occulter and are necessary to validate the SAM offsets derived from the updated image distortion model for the occulter positions in the updated SIAF.

Proposal 6570 - Targets - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HD-44790	RA: 06 19 39.9640 (94.9165167d) Dec: -61 44 27.93 (-61.74109d) Equinox: J2000	Proper Motion RA: 1.205 mas/yr Proper Motion Dec: 15.716 mas/yr Parallax: 0.0018603" Epoch of Position: 2000	
<i>Comments: SpT = G6III Ks (2MASS) = 7.000 Category=Star Description=[G stars] Extended=NO</i>				
(2)	HD-44470	RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000	Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000	
<i>Comments: SpT = G8III Ks (2MASS) = 6.850 Category=Star Description=[G stars] Extended=NO</i>				
(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000	Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0	
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>				
(4)	HD-45080	RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000	Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0	
<i>Comments: SpT = F6V Ks (2MASS) = 5.736 Category=Star Description=[F stars] Extended=NO</i>				

Fixed Targets

Proposal 6570 - Observation 1 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 1: MASK210R, FAINT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 1)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (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)	HD-44790	RA: 06 19 39.9640 (94.9165167d) Dec: -61 44 27.93 (-61.74109d) Equinox: J2000		Proper Motion RA: 1.205 mas/yr Proper Motion Dec: 15.716 mas/yr Parallax: 0.0018603" Epoch of Position: 2000					
<i>Comments: SpT = G6III Ks (2MASS) = 7.000 Category=Star Description=[G stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 HD-44790	F210M	FAINT	RAPID	3	1	1	0.733	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK210R		true		SUB640A210R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	BRIGHT2	8	1	5	5	355.899	187480.14

Proposal 6570 - Observation 1 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 2) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 5) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 16) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	Between Dates 04-MAR-2024:00:00:00 and 18-MAR-2024:00:00:00 No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 2 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	<p>Proposal 6570, Observation 2: MASK210R, FAINT TA, 5-PT-DIAMOND</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
Diagnostics	<p>(MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 2)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(2)	HD-44470	RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000		Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000					
	<p><i>Comments: SpT = G8III</i> <i>Ks (2MASS) = 6.850</i> <i>Category=Star</i> <i>Description=[G stars]</i> <i>Extended=NO</i></p>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	2 HD-44470	F210M	FAINT	RAPID	3	1	1	0.733	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK210R		true		SUB640A210R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern		Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		Conf. Total Dithers
	1	RAPID		3	1		1	32.21		1
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	BRIGHT2	7	1	5	5	314.04	187480.14

Proposal 6570 - Observation 2 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 1) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 5) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 16) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 3 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 3: MASKSWB, FAINT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging																													
	(MASKSWB, FAINT TA, 5-PT-BAR (Obs 3)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>HD-44470</td> <td>RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000</td> <td>Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(2)	HD-44470	RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000	Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000		<i>Comments: SpT = G8III Ks (2MASS) = 6.850 Category=Star Description=[G stars] Extended=NO</i>																		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																									
(2)	HD-44470	RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000	Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000																											
<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> <th>Filter</th> <th>Target Brightness</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>2 HD-44470</td> <td>F210M</td> <td>FAINT</td> <td>RAPID</td> <td>3</td> <td>1</td> <td>1</td> <td>0.733</td> <td>187480.7</td> </tr> </tbody> </table>	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	2 HD-44470	F210M	FAINT	RAPID	3	1	1	0.733	187480.7										
#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
1	2 HD-44470	F210M	FAINT	RAPID	3	1	1	0.733	187480.7																					
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern																					
	A		MASKSWB		true		SUB640ASWB		5-POINT-BAR																					
Confirmation	<table border="1"> <thead> <tr> <th>#</th> <th>Conf. Readout Pattern</th> <th>Conf. Groups/Int</th> <th>Conf. Integrations/Exp</th> <th>Conf. Total Integrations</th> <th>Conf. Total Exposure Time</th> <th>Conf. Total Dithers</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>RAPID</td> <td>3</td> <td>1</td> <td>1</td> <td>32.21</td> <td>1</td> </tr> </tbody> </table>										#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers	1	RAPID	3	1	1	32.21	1						
	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																							
1	RAPID	3	1	1	32.21	1																								
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F210M</td> <td>F335M</td> <td>SHALLOW4</td> <td>10</td> <td>1</td> <td>5</td> <td>5</td> <td>1046.562</td> <td>187480.14</td> </tr> </tbody> </table>										#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	F210M	F335M	SHALLOW4	10	1	5	5	1046.562	187480.14
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																				
1	F210M	F335M	SHALLOW4	10	1	5	5	1046.562	187480.14																					

Proposal 6570 - Observation 3 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKSWB, BRIGHT TA, 5-PT-BAR (Obs 14) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 4 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	<p>Proposal 6570, Observation 4: MASKSWB-NARROW, FAINT TA, 5-PT-BAR</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
Diagnostics	<p>(MASKSWB-NARROW, FAINT TA, 5-PT-BAR (Obs 4)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(MASKSWB-NARROW, FAINT TA, 5-PT-BAR (Obs 4)) Warning (Form): The selected fiducial point is not a standard option for the instrument.</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous			
	(2)	HD-44470	RA: 06 17 41.0946 (94.4212275d) Dec: -62 18 15.57 (-62.30433d) Equinox: J2000	Proper Motion RA: -8.588 mas/yr Proper Motion Dec: 28.146 mas/yr Parallax: 0.0017935" Epoch of Position: 2000						
	<p><i>Comments: SpT = G8III</i> <i>Ks (2MASS) = 6.850</i> <i>Category=Star</i> <i>Description=[G stars]</i> <i>Extended=NO</i></p>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	2 HD-44470	F210M	FAINT	RAPID	3	1	1	0.733	187480.7
Template	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern			
	A	MASKSWB			true	SUB640ASWB	5-POINT-BAR			
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	SHALLOW4	10	1	5	5	1046.562	187480.14

Proposal 6570 - Observation 4 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKSWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 15) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Fiducial Point Override NRCA4_MASKSWB_NARROW Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 5 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 5: MASK210R, BRIGHT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 5)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F210M	BRIGHT (ND Square)	RAPID	33	1	1	6.193	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK210R		true		SUB640A210R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	4	1	5	5	104.748	187480.14

Proposal 6570 - Observation 5 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 1) (Filters [F210M/F335M]) MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 2) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 16) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 6 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 6: MASK335R, BRIGHT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging																													
	(MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 6)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>HD-46730</td> <td>RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000</td> <td>Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000	Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0		<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>																		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																									
(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000	Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0																											
Acquisition	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> <th>Filter</th> <th>Target Brightness</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>3 HD-46730</td> <td>F335M</td> <td>BRIGHT (ND Square)</td> <td>MEDIUM8</td> <td>9</td> <td>1</td> <td>1</td> <td>4.467</td> <td>187480.7</td> </tr> </tbody> </table>	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	3 HD-46730	F335M	BRIGHT (ND Square)	MEDIUM8	9	1	1	4.467	187480.7									
	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																				
1	3 HD-46730	F335M	BRIGHT (ND Square)	MEDIUM8	9	1	1	4.467	187480.7																					
Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Coronagraphic Mask</th> <th>Obtain Astrometric Confirmation Images?</th> <th>Subarray</th> <th>Dither Pattern</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>MASK335R</td> <td>true</td> <td>SUB320A335R</td> <td>5-POINT-DIAMOND</td> </tr> </tbody> </table>	Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern	A	MASK335R	true	SUB320A335R	5-POINT-DIAMOND																			
	Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern																									
A	MASK335R	true	SUB320A335R	5-POINT-DIAMOND																										
Confirmation	<table border="1"> <thead> <tr> <th>#</th> <th>Conf. Readout Pattern</th> <th>Conf. Groups/Int</th> <th>Conf. Integrations/Exp</th> <th>Conf. Total Integrations</th> <th>Conf. Total Exposure Time</th> <th>Conf. Total Dithers</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>RAPID</td> <td>3</td> <td>1</td> <td>1</td> <td>32.21</td> <td>1</td> </tr> </tbody> </table>	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers	1	RAPID	3	1	1	32.21	1															
	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																							
1	RAPID	3	1	1	32.21	1																								
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F210M</td> <td>F335M</td> <td>DEEP8</td> <td>6</td> <td>1</td> <td>5</td> <td>5</td> <td>582.729</td> <td>187480.14</td> </tr> </tbody> </table>	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	F210M	F335M	DEEP8	6	1	5	5	582.729	187480.14									
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																				
1	F210M	F335M	DEEP8	6	1	5	5	582.729	187480.14																					

Proposal 6570 - Observation 6 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 7) (Filters [F210M/F335M]) MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 17) (Filters [F210M/F335M]) MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 18) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 7 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 7: MASK335R, FAINT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCam Coronagraphic Imaging									
	(MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 7)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	FAINT	RAPID	3	1	1	0.203	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		true		SUB320A335R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	DEEP8	6	1	5	5	582.729	187480.14

Proposal 6570 - Observation 7 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 6) (Filters [F210M/F335M]) MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 17) (Filters [F210M/F335M]) MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 18) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 8 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 8: MASK430R, BRIGHT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
Diagnostics	(MASK430R, BRIGHT TA, 5-PT-DIAMOND (Obs 8)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
	<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	BRIGHT (ND Square)	MEDIUM8	33	1	1	16.505	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK430R		true		SUB320A430R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	DEEP8	8	1	5	5	796.537	187480.14

Proposal 6570 - Observation 8 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK430R, FAINT TA, 5-PT-DIAMOND (Obs 9) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	Between Dates 04-MAR-2024:00:00:00 and 30-APR-2024:00:00:00 No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 9 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 9: MASK430R, FAINT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCam Coronagraphic Imaging									
	(MASK430R, FAINT TA, 5-PT-DIAMOND (Obs 9)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	FAINT	RAPID	3	1	1	0.203	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK430R		true		SUB320A430R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	DEEP8	8	1	5	5	796.537	187480.14

Proposal 6570 - Observation 9 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK430R, BRIGHT TA, 5-PT-DIAMOND (Obs 8) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 10 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 10: MASKLWB, BRIGHT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKLWB, BRIGHT TA, 5-PT-BAR (Obs 10)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	BRIGHT (ND Square)	MEDIUM2	17	1	1	8.179	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKLWB		true		SUB400X256ALWB		5-POINT-BAR	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	MEDIUM2	7	1	5	5	334.935	187480.14

Proposal 6570 - Observation 10 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKLWB, FAINT TA, 5-PT-BAR (Obs 11) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 11 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:23 GMT 2024

Observation	Proposal 6570, Observation 11: MASKLWB, FAINT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKLWB, FAINT TA, 5-PT-BAR (Obs 11)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	FAINT	RAPID	3	1	1	0.203	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKLWB		true		SUB400X256ALWB		5-POINT-BAR	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	MEDIUM2	7	1	5	5	334.935	187480.14

Proposal 6570 - Observation 11 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKLWB, BRIGHT TA, 5-PT-BAR (Obs 10) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 12 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 12: MASKLWB-NARROW, BRIGHT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKLWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 12)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (MASKLWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 12)) Warning (Form): The selected fiducial point is not a standard option for the instrument. (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)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	BRIGHT (ND Square)	MEDIUM2	17	1	1	8.179	187480.7
Template	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?		Subarray	Dither Pattern		
	A	MASKLWB			true		SUB400X256ALWB	5-POINT-BAR		
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	MEDIUM2	7	1	5	5	334.935	187480.14

Proposal 6570 - Observation 12 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKLWB-NARROW, FAINT TA, 5-PT-BAR (Obs 13) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Fiducial Point Override NRCA5_MASKLWB_NARROW Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 13 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 13: MASKLWB-NARROW, FAINT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKLWB-NARROW, FAINT TA, 5-PT-BAR (Obs 13)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (MASKLWB-NARROW, FAINT TA, 5-PT-BAR (Obs 13)) Warning (Form): The selected fiducial point is not a standard option for the instrument. (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)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F335M	FAINT	RAPID	3	1	1	0.203	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKLWB		true		SUB400X256ALWB		5-POINT-BAR	
Confirmation	#	Conf. Readout Pattern		Conf. Groups/Int	Conf. Integrations/Exp		Conf. Total Integrations	Conf. Total Exposure Time		Conf. Total Dithers
	1	RAPID		3	1		1	32.21		1
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	MEDIUM2	7	1	5	5	334.935	187480.14

Proposal 6570 - Observation 13 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKLWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 12) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Fiducial Point Override NRCA5_MASKLWB_NARROW Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 14 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 14: MASKSWB, BRIGHT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKSWB, BRIGHT TA, 5-PT-BAR (Obs 14)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (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)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F210M	BRIGHT (ND Square)	BRIGHT2	17	1	1	6.375	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		true		SUB640ASWB		5-POINT-BAR	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	BRIGHT1	7	1	5	5	293.111	187480.14

Proposal 6570 - Observation 14 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKSWB, FAINT TA, 5-PT-BAR (Obs 3) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 15 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 15: MASKSWB-NARROW, BRIGHT TA, 5-PT-BAR Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASKSWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 15)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (MASKSWB-NARROW, BRIGHT TA, 5-PT-BAR (Obs 15)) Warning (Form): The selected fiducial point is not a standard option for the instrument. (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)	HD-46730	RA: 06 30 3.0102 (97.5125425d) Dec: -65 34 5.67 (-65.56824d) Equinox: J2000		Proper Motion RA: 0.786 mas/yr Proper Motion Dec: 60.343 mas/yr Parallax: 0.0097937" Epoch of Position: 2000.0					
<i>Comments: SpT = F0III Ks (2MASS) = 5.434 Category=Star Description=[F stars] Extended=NO</i>										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	3 HD-46730	F210M	BRIGHT (ND Square)	BRIGHT2	17	1	1	6.375	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASKSWB		true		SUB640ASWB		5-POINT-BAR	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	BRIGHT1	7	1	5	5	293.111	187480.14

Proposal 6570 - Observation 15 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASKSWB-NARROW, FAINT TA, 5-PT-BAR (Obs 4) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Fiducial Point Override NRCA4_MASKSWB_NARROW Group Observations 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, Non-interruptible

Proposal 6570 - Observation 16 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 16: MASK210R, BRIGHT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCam Coronagraphic Imaging									
Diagnostics	(MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 16)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	HD-45080	RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000		Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0					
	<i>Comments: SpT = F6V Ks (2MASS) = 5.736 Category=Star Description=[F stars] Extended=NO</i>									
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	4 HD-45080	F210M	BRIGHT (ND Square)	BRIGHT2	17	1	1	6.375	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK210R		true		SUB640A210R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	5	1	5	5	125.678	187480.14

Proposal 6570 - Observation 16 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 1) (Filters [F210M/F335M]) MASK210R, FAINT TA, 5-PT-DIAMOND (Obs 2) (Filters [F210M/F335M]) MASK210R, BRIGHT TA, 5-PT-DIAMOND (Obs 5) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 17 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 17: MASK335R, BRIGHT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging									
	(MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 17)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	HD-45080	RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000		Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0					
Comments: SpT = F6V Ks (2MASS) = 5.736 Category=Star Description=[F stars] Extended=NO										
Acquisition	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	4 HD-45080	F335M	BRIGHT (ND Square)	MEDIUM8	9	1	1	4.467	187480.7
Template	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		true		SUB320A335R		5-POINT-DIAMOND	
Confirmation	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers			
	1	RAPID	3	1	1	32.21	1			
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	DEEP8	8	1	5	5	796.537	187480.14

Proposal 6570 - Observation 17 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 6) (Filters [F210M/F335M]) MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 7) (Filters [F210M/F335M]) MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 18) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible

Proposal 6570 - Observation 18 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

Thu Feb 29 17:05:24 GMT 2024

Observation	Proposal 6570, Observation 18: MASK335R, FAINT TA, 5-PT-DIAMOND Diagnostic Status: Warning Observing Template: NIRCcam Coronagraphic Imaging																													
	(MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 18)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>HD-45080</td> <td>RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000</td> <td>Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	HD-45080	RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000	Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0		<i>Comments: SpT = F6V Ks (2MASS) = 5.736 Category=Star Description=[F stars] Extended=NO</i>																		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																									
(4)	HD-45080	RA: 06 19 15.1759 (94.8132329d) Dec: -69 47 4.39 (-69.78455d) Equinox: J2000	Proper Motion RA: -13.851 mas/yr Proper Motion Dec: 68.001 mas/yr Parallax: 0.015902" Epoch of Position: 2000.0																											
Acquisition	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> <th>Filter</th> <th>Target Brightness</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>4 HD-45080</td> <td>F335M</td> <td>FAINT</td> <td>RAPID</td> <td>3</td> <td>1</td> <td>1</td> <td>0.203</td> <td>187480.7</td> </tr> </tbody> </table>	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	4 HD-45080	F335M	FAINT	RAPID	3	1	1	0.203	187480.7									
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Template	<table border="1"> <thead> <tr> <th>Module</th> <th>Coronagraphic Mask</th> <th>Obtain Astrometric Confirmation Images?</th> <th>Subarray</th> <th>Dither Pattern</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>MASK335R</td> <td>true</td> <td>SUB320A335R</td> <td>5-POINT-DIAMOND</td> </tr> </tbody> </table>	Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern	A	MASK335R	true	SUB320A335R	5-POINT-DIAMOND																			
	Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern																									
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	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																							
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Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F210M</td> <td>F335M</td> <td>DEEP8</td> <td>8</td> <td>1</td> <td>5</td> <td>5</td> <td>796.537</td> <td>187480.14</td> </tr> </tbody> </table>	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	F210M	F335M	DEEP8	8	1	5	5	796.537	187480.14									
	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																				
1	F210M	F335M	DEEP8	8	1	5	5	796.537	187480.14																					

Proposal 6570 - Observation 18 - Coronagraphic TA Performance with OSS 9.2 and SOC 6.2

PSF References	MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 6) (Filters [F210M/F335M]) MASK335R, FAINT TA, 5-PT-DIAMOND (Obs 7) (Filters [F210M/F335M]) MASK335R, BRIGHT TA, 5-PT-DIAMOND (Obs 17) (Filters [F210M/F335M]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 1, 2, 5, 6, 7, 16, 17, 18, Non-interruptible