



## 2780 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Cycle: 2, Proposal Category: GTO

### INVESTIGATORS

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### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
HD-10647 - Cycle 2				
	1	HD10647 MIRI backg round	MIRI Imaging	(12) HD10647MIRI_BCKG
	2	HD10647, Roll 1	NIRCam Coronagraphic Imaging	(3) HD-10647
	3	HD10647MIRI, Roll1	MIRI Imaging	(3) HD-10647
	4	HD10647, Roll 2	NIRCam Coronagraphic Imaging	(3) HD-10647
	5	HD10647PSF	NIRCam Coronagraphic Imaging	(8) HD-10647-PSF
	6	HD10647PSFMIRI	MIRI Imaging	(8) HD-10647-PSF
HD-107146 - Cycle 2				
	7	HD107146 MIRI backg round	MIRI Imaging	(13) HD107146MIRI_BCKG
	8	HD107146, Roll 1	NIRCam Coronagraphic Imaging	(2) HD-107146

JWST Proposal 2780 (Created: Tuesday, August 6, 2024 at 8:00:27 AM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	9	HD107146MIRI, Roll 1	MIRI Imaging	(2) HD-107146
	10	HD107146, Roll 2	NIRCam Coronagraphic Imaging	(2) HD-107146
	11	HD107146PSF	NIRCam Coronagraphic Imaging	(7) HD-107146-PSF
	12	HD107146PSFMIRI	MIRI Imaging	(7) HD-107146-PSF
HD-181327 - Cycle 2				
	13	HD181327, Roll 1	NIRCam Coronagraphic Imaging	(1) HD-181327
	14	HD181327, Roll 2	NIRCam Coronagraphic Imaging	(1) HD-181327
	15	HD181327PSF	NIRCam Coronagraphic Imaging	(6) HD-181327-PSF
	23	HD181327 Roll2 repeat	NIRCam Coronagraphic Imaging	(1) HD-181327
	24	HD181327PSF repeat	NIRCam Coronagraphic Imaging	(6) HD-181327-PSF
HD-61005 - Cycle 2				
	16	HD61005, Roll 1	NIRCam Coronagraphic Imaging	(4) HD-61005
	17	HD61005, Roll 2	NIRCam Coronagraphic Imaging	(4) HD-61005
	29	HD61005, Roll 1	NIRCam Coronagraphic Imaging	(4) HD-61005
	30	HD61005, Roll 2	NIRCam Coronagraphic Imaging	(4) HD-61005
	31	HD61005PSF	NIRCam Coronagraphic Imaging	(9) HD-61005-PSF
	18	HD61005PSF	NIRCam Coronagraphic Imaging	(9) HD-61005-PSF
HD-32297 - Cycle 2				
	19	HD 32297 - NIRSpec Fixed Slit G235/F170LP A	NIRSpec Fixed Slit Spectroscopy	(5) HD-32297
	20	HD32297, Roll 1	NIRCam Coronagraphic Imaging	(5) HD-32297
	21	HD32297, Roll 2	NIRCam Coronagraphic Imaging	(5) HD-32297
	22	HD32297PSF	NIRCam Coronagraphic Imaging	(10) HD-32297-PSF
HD-32297 - Cycle 2				
	25	HD 32297 - NIRSpec Fixed Slit G235/F170LP A	NIRSpec Fixed Slit Spectroscopy	(5) HD-32297
	26	HD32297, Roll 1	NIRCam Coronagraphic Imaging	(5) HD-32297
	27	HD32297, Roll 2	NIRCam Coronagraphic Imaging	(5) HD-32297
	28	HD32297PSF	NIRCam Coronagraphic Imaging	(14) HD-32297-PSF2

## **ABSTRACT**

Following the epoch of planetary system formation (1-10 Myr), the bodies that were not aggregated by the larger planets remain in orbit around the central star and undergo a long timescale collisional cascade. The systems are void of gas by this time and the collisional processing provides a continuous source of micron size dust particles. These disks of particles, ranging in size from microns to kilometers, are called debris disks.

The Near-Infrared Camera (NIRCam) onboard the James Webb Space Telescope (JWST) will provide us images of nearby debris disks at HST-like resolution at near-infrared wavelengths, with great sensitivity. The technological advancements enable us to study the composition of the solid particles in these systems. Multi-wavelength scattered light imaging will reveal the water-ice, carbon-dioxide ice and tholin composition of the dust. While water is necessary for life to emerge in other worlds, tholins have been shown to be common in the outer regions of the solar system. Assessing the similarities and dissimilarities of materials between these systems and our solar system will help place our own world into context.

Within our program, we will observe the following previously well studied (at other wavelengths) systems: HD 181327, HD 107146, HD 10647, HD 61005, and HD 32297.

This program is a continuation of our Cycle 1 PID 1183 program, to complete the filter set of observations, utilizing the simultaneous SW/LW coronagraphy that is to be enabled for Cycle 2.

Note: Programs 1183 and 2780 were merged back together into a single program (under PID 2780) following the commissioning of SW/LW simultaneous coronagraphy. (05/24/23)

Note: Our HD 10647 and HD 10746 observations were augmented in June/2023 with additional MIRI observations, using the F2100W filter.

## **OBSERVING DESCRIPTION**

We will obtain NIRCam PSF-template subtracted coronagraphic images of the debris disks of HD 181327, HD 107146, HD 10647, HD 32297, and HD 61005. We observe all of our targets with the same filter set using the same sequence of observations, only varying the number of integrations/groups on each source and the readout modes, which depend on the predicted surface brightness of the disks and coronagraphic residual stellar light. To cover the spectral absorption lines of the systems, we will use the F335M and F444W filters in Cycle 1. For each target, we also observe a nearby and color- and flux-matched PSF reference source, using contemporaneous and identically executed observation sequences. While exact color-matching is not necessary for the longer wavelength observations, it may be relevant up to 3 microns.

Each set of observations is as follows: 1) We observe each target at two orientations, offset by 10 deg. At each orientation, we sequence through the filter set taking a total of 1200 to 1800 s of data per orientation. 2) We then observe the PSF refence at an undefined position angle, at both filters, for around 2100 s per filter, employing a 5 point dither pattern.

We have added Cycle 2 observation, which are meant to use the soon to be enabled simultaneous coronagraphy feature. Currently, we have included the Short and Long Wavelength (SW and LW) observations as seperate observations for the Cycle 2 data.

# Proposal 2780 - Targets - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HD-181327	RA: 19 22 58.9437 (290.7455987d) Dec: -54 32 16.98 (-54.53805d) Equinox: J2000	Proper Motion RA: 24.403 mas/yr Proper Motion Dec: -82.186 mas/yr Parallax: 0.0209306" Epoch of Position: 2000	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
<i>K = 5.9; sptype = F6V</i>				
<i>1.82 mu: 3.69 Jy</i>				
<i>2.10 mu: 3.00 Jy</i>				
<i>2.50 mu: 2.24 Jy</i>				
<i>3.00 mu: 1.63 Jy</i>				
<i>3.35 mu: 1.33 Jy</i>				
<i>4.44 mu: 0.78 Jy</i>				
<i>Category=Star</i>				
<i>Description=[Debris disks, F stars]</i>				
(2)	HD-107146	RA: 12 19 6.5019 (184.7770912d) Dec: +16 32 53.87 (16.54830d) Equinox: J2000	Proper Motion RA: -174.683 mas/yr Proper Motion Dec: -149.021 mas/yr Parallax: 0.0364038" Epoch of Position: 2000	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
<i>K = 5.54; sptype = G2V</i>				
<i>1.82 mu: 5.26 Jy</i>				
<i>2.10 mu: 4.24 Jy</i>				
<i>2.50 mu: 3.14 Jy</i>				
<i>3.00 mu: 2.32 Jy</i>				
<i>3.35 mu: 1.91 Jy</i>				
<i>4.44 mu: 1.07 Jy</i>				
<i>Category=Star</i>				
<i>Description=[Debris disks, G stars]</i>				
(3)	HD-10647	RA: 01 42 29.3145 (25.6221437d) Dec: -53 44 26.99 (-53.74083d) Equinox: J2000	Proper Motion RA: 166.041 mas/yr Proper Motion Dec: -105.496 mas/yr Parallax: 0.0576409" Epoch of Position: 2000	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
<i>K = 4.3; sptype = F9V</i>				
<i>1.82 mu: 17.51 Jy</i>				
<i>2.10 mu: 14.21 Jy</i>				
<i>2.50 mu: 10.55 Jy</i>				
<i>3.00 mu: 7.69 Jy</i>				
<i>3.35 mu: 6.31 Jy</i>				
<i>4.44 mu: 3.69 Jy</i>				
<i>Category=Star</i>				
<i>Description=[Debris disks, F stars]</i>				

Fixed Targets

## Proposal 2780 - Targets - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

(4) HD-61005 RA: 07 35 47.4624 (113.9477600d) Proper Motion RA: -55.05 mas/yr  
 Dec: -32 12 14.05 (-32.20390d) Proper Motion Dec: 74.319 mas/yr  
 Equinox: J2000 Parallax: 0.0274344"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

$K = 6.458$ ;  $sptype = G8V$

1.82  $\mu$ : 2.24 Jy  
 2.10  $\mu$ : 1.78 Jy  
 2.50  $\mu$ : 1.32 Jy  
 3.00  $\mu$ : 0.98 Jy  
 3.35  $\mu$ : 0.80 Jy  
 4.44  $\mu$ : 0.45 Jy

Category=Star

Description=[Debris disks, G stars]

(5) HD-32297 RA: 05 02 27.4359 (75.6143163d) Proper Motion RA: 5.671 mas/yr  
 Dec: +07 27 39.68 (7.46102d) Proper Motion Dec: -23.526 mas/yr  
 Equinox: J2000 Parallax: 0.0077081"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

$K = 7.594$ ;  $sptype = A0V$

1.82  $\mu$ : 0.79 Jy  
 2.10  $\mu$ : 0.63 Jy  
 2.50  $\mu$ : 0.46 Jy  
 3.00  $\mu$ : 0.33 Jy  
 3.35  $\mu$ : 0.28 Jy  
 4.44  $\mu$ : 0.16 Jy

Category=Star

Description=[A stars, Debris disks]

(6) HD-181327-PSF RA: 19 18 9.7813 (289.5407554d) Proper Motion RA: 24.761 mas/yr  
 Dec: -53 23 13.51 (-53.38709d) Proper Motion Dec: -81.714 mas/yr  
 Equinox: J2000 Parallax: 0.0219768"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

$K = 5.1$ ;  $sptype = F7V$

$\rho$  Tel may be good too,

1.82  $\mu$ : 7.78 Jy  
 2.10  $\mu$ : 6.26 Jy  
 2.50  $\mu$ : 4.74 Jy  
 3.00  $\mu$ : 3.45 Jy  
 3.35  $\mu$ : 2.82 Jy  
 4.44  $\mu$ : 1.64 Jy

Category=Calibration

Description=[Point spread function]

## Proposal 2780 - Targets - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

(7) HD-107146-PSF RA: 12 48 52.4212 (192.2184217d) Proper Motion RA: 233.211 mas/yr  
 Dec: +12 05 46.95 (12.09638d) Proper Motion Dec: -139.582 mas/yr  
 Equinox: J2000 Parallax: 0.0275912"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

*K = 5.534; sptype = G5V*

*1.82 mu: 5.57 Jy  
 2.10 mu: 4.48 Jy  
 2.50 mu: 3.29 Jy  
 3.00 mu: 2.45 Jy  
 3.35 mu: 2.02 Jy  
 4.44 mu: 1.12 Jy*

*Category=Calibration*

*Description=[Point spread function]*

(8) HD-10647-PSF RA: 02 42 33.4667 (40.6394446d) Proper Motion RA: 333.716 mas/yr  
 Dec: -50 48 1.06 (-50.80029d) Proper Motion Dec: 219.423 mas/yr  
 Equinox: J2000 Parallax: 0.0576131"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

*K = 4.138; sptype = F8V*

*1.82 mu: 19.89 Jy  
 2.10 mu: 16.02 Jy  
 2.50 mu: 12.01 Jy  
 3.00 mu: 8.77 Jy  
 3.35 mu: 7.16 Jy  
 4.44 mu: 4.13 Jy*

*Category=Calibration*

*Description=[Point spread function]*

(9) HD-61005-PSF RA: 07 14 36.7020 (108.6529250d) Proper Motion RA: -83.772 mas/yr  
 Dec: -30 39 17.63 (-30.65490d) Proper Motion Dec: 45.286 mas/yr  
 Equinox: J2000 Parallax: 0.0082534"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

*K = 4.912; sptype = G5IV*

*1.82 mu: 9.55 Jy  
 2.10 mu: 7.69 Jy  
 2.50 mu: 5.53 Jy  
 3.00 mu: 4.21 Jy  
 3.35 mu: 3.46 Jy  
 4.44 mu: 1.84 Jy*

*Category=Calibration*

*Description=[Point spread function]*

## Proposal 2780 - Targets - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

(10) HD-32297-PSF RA: 04 55 58.3521 (73.9931338d) Proper Motion RA: -16.634 mas/yr  
 Dec: +05 23 56.49 (5.39903d) Proper Motion Dec: -14.69 mas/yr  
 Equinox: J2000 Parallax: 0.0076529"  
 Epoch of Position: 2000

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*

*K = 6.417; sptype = A0V*

*1.82 mu: 2.30 Jy  
 2.10 mu: 1.88 Jy  
 2.50 mu: 1.36 Jy  
 3.00 mu: 1.00 Jy  
 3.35 mu: 0.82 Jy  
 4.44 mu: 0.49 Jy*

*Category=Calibration*

*Description=[Point spread function]*

(11) GAIA3289902892417327104 RA: 05 02 26.2500 (75.6093750d) Epoch of Position: 2000  
 Dec: +07 27 54.70 (7.46519d)  
 Equinox: J2000

*Comments: This object is in a number of catalogs and has the following measured positions and brightnesses*

*(1) GSC2.3 N9M6017569*

*RA=075.609369, Dec=07.465135*

*V=17.84, N=16.86*

*(2) 2MASS 05022626+0727541*

*RA=075.609430, Dec=+07.465045*

*J=16.596, H=16.453, K~16.048*

*(3) GAIA 3289902892417327104*

*RA=75.6093767236697, Dec=7.465195401991364*

*g=17.51599975453032*

*Category=Calibration*

*Description=[Astrometric]*

*Extended=NO*

(12) HD10647MIRI\_BCKG RA: 01 42 42.8940 (25.6787250d)  
 Dec: -53 45 57.14 (-53.76587d)  
 Equinox: J2000

*Comments:*

*Category=Calibration*

*Description=[Telescope/sky background]*

(13) HD107146MIRI\_BCKG RA: 12 19 17.0092 (184.8208717d)  
 Dec: +16 30 55.48 (16.51541d)  
 Equinox: J2000

*Comments:*

*Category=Calibration*

*Description=[Telescope/sky background]*

## Proposal 2780 - Targets - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

(14)	HD-32297-PSF2	RA: 04 47 17.9234 (71.8246808d) Dec: +05 47 17.59 (5.78822d) Equinox: J2000	Proper Motion RA: 14.67400000000001 mas/yr Proper Motion Dec: -17.857999955595005 mas/yr Parallax: 0.005368" Epoch of Position: 2000
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*Comments: New PSF source for HD 32297. First one had a faint companion.*

*This object was generated by the targetselector and retrieved from the SIMBAD database.*

*SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.*

*Category=Calibration*

*Description=[Point spread function]*

*Extended=NO*

Proposal 2780 - Observation 1 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:27 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 1: HD10647 MIRI background</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Imaging</p>										
<b>Diagnostics</b>	(Visit 1:1) 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>			
	(12)	HD10647MIRI_BCKG	RA: 01 42 42.8940 (25.6787250d) Dec: -53 45 57.14 (-53.76587d) Equinox: J2000								
	<p><i>Comments:</i>  <i>Category=Calibration</i>  <i>Description=[Telescope/sky background]</i></p>										
<b>Template</b>	<p><b>Subarray</b> SUB256</p>										
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>Starting Point</b>	<b>Number of Points</b>	<b>Points</b>	<b>Starting Set</b>	<b>Number of Sets</b>	<b>Optimized For</b>	<b>Direction</b>	<b>Pattern Size</b>	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	<b>#</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F2100W	FASTR1	5	300	1	Dither 1	4	1200	2155.346	
<b>Special Requirements</b>	Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible										

Proposal 2780 - Observation 2 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:27 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 2: HD10647, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p> <p><i>Comments: Original PA constraint of 0-25 degrees to place disk diagonally. Additional PA of 0-11 constraint to maximize solar elongation.</i></p>									
	<p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD10647, Roll 1 (Obs 2)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>									
<b>Diagnosics</b>										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>	
	(3)	HD-10647	RA: 01 42 29.3145 (25.6221437d) Dec: -53 44 26.99 (-53.74083d) Equinox: J2000			Proper Motion RA: 166.041 mas/yr Proper Motion Dec: -105.496 mas/yr Parallax: 0.0576409" Epoch of Position: 2000				
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 4.3; sptype = F9V</i></p> <p><i>1.82 mu: 17.51 Jy</i></p> <p><i>2.10 mu: 14.21 Jy</i></p> <p><i>2.50 mu: 10.55 Jy</i></p> <p><i>3.00 mu: 7.69 Jy</i></p> <p><i>3.35 mu: 6.31 Jy</i></p> <p><i>4.44 mu: 3.69 Jy</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Debris disks, F stars]</i></p>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Target Brightness</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	9	1	1	8.48	12269
<b>Template</b>	<b>Module</b>		<b>Coronagraphic Mask</b>		<b>Obtain Astrometric Confirmation Images?</b>		<b>Subarray</b>		<b>Dither Pattern</b>	
	A		MASK335R		true		SUB320A335R		NONE	
<b>Confirmation</b>	<b>#</b>	<b>Conf. Readout Pattern</b>	<b>Conf. Groups/Int</b>	<b>Conf. Integrations/Exp</b>	<b>Conf. Total Integrations</b>	<b>Conf. Total Exposure Time</b>	<b>Conf. Total Dithers</b>			
	1	RAPID	3	3	3	118.104	1			

Proposal 2780 - Observation 2 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	18	1	18	1905.398	
2		F182M	F250M	MEDIUM8	10	18	1	18	1905.398	
3		F210M	F300M	MEDIUM8	10	18	1	18	1905.398	
4		F210M	F444W	MEDIUM8	10	18	1	18	1905.398	
PSF References	HD10647PSF (Obs 5) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	Aperture PA Range 0 to 11 Degrees (V3 359.92242043 to 10.92242043) Aperture PA Range 90 to 101 Degrees (V3 89.92242043 to 100.92242043) Aperture PA Range 180 to 191 Degrees (V3 179.92242043 to 190.92242043) Aperture PA Range 270 to 281 Degrees (V3 269.92242043 to 280.92242043) Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments  Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible Aperture PA Offset 4 from 2 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 3 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p>Proposal 2780, Observation 3: HD10647MIRI, Roll1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p>										
<b>Diagnostics</b>	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(3)	HD-10647	RA: 01 42 29.3145 (25.6221437d) Dec: -53 44 26.99 (-53.74083d) Equinox: J2000			Proper Motion RA: 166.041 mas/yr Proper Motion Dec: -105.496 mas/yr Parallax: 0.0576409" Epoch of Position: 2000					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p><math>K = 4.3</math>; <math>sptype = F9V</math></p> <p>1.82 <math>\mu</math>: 17.51 Jy                      2.10 <math>\mu</math>: 14.21 Jy                      2.50 <math>\mu</math>: 10.55 Jy                      3.00 <math>\mu</math>: 7.69 Jy                      3.35 <math>\mu</math>: 6.31 Jy                      4.44 <math>\mu</math>: 3.69 Jy                      Category=Star                      Description=[Debris disks, F stars]</p>										
<b>Template</b>	<p>Subarray</p> <p>SUB256</p>										
<b>Dithers</b>	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F2100W	FASTR1	5	300	1	Dither 1	4	1200	2155.346	

Proposal 2780 - Observation 3 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible

Proposal 2780 - Observation 4 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 4: HD10647, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p> <p><i>Comments: Original PA constraint of 0-25 degrees to place disk diagonally. Additional PA of 0-11 constraint to maximize solar elongation.</i></p>																																																											
	<p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD10647, Roll 2 (Obs 4)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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## Proposal 2780 - Observation 4 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD10647PSF (Obs 5) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible Aperture PA Offset 4 from 2 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 5 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 5: HD10647PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous			
	(8)	HD-10647-PSF	RA: 02 42 33.4667 (40.6394446d) Dec: -50 48 1.06 (-50.80029d) Equinox: J2000	Proper Motion RA: 333.716 mas/yr Proper Motion Dec: 219.423 mas/yr Parallax: 0.0576131" Epoch of Position: 2000						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 4.138; sptype = F8V</i></p> <p><i>1.82 mu: 19.89 Jy</i>  <i>2.10 mu: 16.02 Jy</i>  <i>2.50 mu: 12.01 Jy</i>  <i>3.00 mu: 8.77 Jy</i>  <i>3.35 mu: 7.16 Jy</i>  <i>4.44 mu: 4.13 Jy</i>  <i>Category=Calibration</i>  <i>Description= Point spread function </i></p>									
<b>Acquisition</b>	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	9	1	1	8.48	12269
<b>Template</b>	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?	Subarray		Dither Pattern		
	A	MASK335R			false	SUB320A335R		5-POINT-DIAMOND		
<b>Spectral Elements</b>	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F182M	F335M	MEDIUM8	10	3	5	15	1587.832	
	2	F182M	F250M	MEDIUM8	10	3	5	15	1587.832	
	3	F210M	F300M	MEDIUM8	10	3	5	15	1587.832	
	4	F210M	F444W	MEDIUM8	10	3	5	15	1587.832	

Proposal 2780 - Observation 5 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible

Proposal 2780 - Observation 6 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<b>Proposal 2780, Observation 6: HD10647PSFMIRI</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Imaging										
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
<b>Diagnostics</b>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(8)	HD-10647-PSF	RA: 02 42 33.4667 (40.6394446d) Dec: -50 48 1.06 (-50.80029d) Equinox: J2000			Proper Motion RA: 333.716 mas/yr Proper Motion Dec: 219.423 mas/yr Parallax: 0.0576131" Epoch of Position: 2000					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>K = 4.138; sptype = F8V</i> <i>1.82 mu: 19.89 Jy</i> <i>2.10 mu: 16.02 Jy</i> <i>2.50 mu: 12.01 Jy</i> <i>3.00 mu: 8.77 Jy</i> <i>3.35 mu: 7.16 Jy</i> <i>4.44 mu: 4.13 Jy</i> <i>Category=Calibration</i> <i>Description= Point spread function </i>											
<b>Template</b>	<b>Subarray</b>										
	SUB256										
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>Starting Point</b>	<b>Number of Points</b>	<b>Points</b>	<b>Starting Set</b>	<b>Number of Sets</b>	<b>Optimized For</b>	<b>Direction</b>	<b>Pattern Size</b>	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	<b>#</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F2100W	FASTR1	5	300	1	Dither 1	4	1200	2155.346	

Proposal 2780 - Observation 6 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 1, 2, 3, 4, 5, 6, Non-interruptible

Proposal 2780 - Observation 7 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 7: HD107146 MIRI background</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Imaging</p>										
<b>Diagnostics</b>	(Visit 7:1) 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>			
	(13)	HD107146MIRI_BCKG	RA: 12 19 17.0092 (184.8208717d) Dec: +16 30 55.48 (16.51541d) Equinox: J2000								
	<p><i>Comments:</i>  <i>Category=Calibration</i>  <i>Description=[Telescope/sky background]</i></p>										
<b>Template</b>	<p><b>Subarray</b> SUB256</p>										
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>Starting Point</b>	<b>Number of Points</b>	<b>Points</b>	<b>Starting Set</b>	<b>Number of Sets</b>	<b>Optimized For</b>	<b>Direction</b>	<b>Pattern Size</b>	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	<b>#</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F2100W	FASTR1	10	150	1	Dither 1	4	600	1975.634	
<b>Special Requirements</b>	Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible										

Proposal 2780 - Observation 8 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 8: HD107146, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																													
<b>Diagnostics</b>	<p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD107146, Roll 1 (Obs 8)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																													
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	1	SAME	F335M	BRIGHT (ND Square)	DEEP8	33	1	1	32.556	12320																				
<b>Template</b>	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?	Subarray			Dither Pattern																					
	A	MASK335R			true	SUB320A335R			NONE																					
<b>Confirmation</b>	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																							
	1	RAPID	3	3	3	118.104	1																							

Proposal 2780 - Observation 8 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	18	1	18	1905.398	
2		F182M	F250M	MEDIUM8	10	18	1	18	1905.398	
3		F210M	F300M	MEDIUM8	10	21	1	21	2222.964	
4		F210M	F444W	MEDIUM8	10	18	1	18	1905.398	
PSF References	HD107146PSF (Obs 11) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments  Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible Aperture PA Offset 8 from 10 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 9 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	Proposal 2780, Observation 9: HD107146MIRI, Roll 1 Diagnostic Status: Warning Observing Template: MIRI Imaging										
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
<b>Fixed Targets</b>	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(2)	HD-107146	RA: 12 19 6.5019 (184.7770912d) Dec: +16 32 53.87 (16.54830d) Equinox: J2000			Proper Motion RA: -174.683 mas/yr Proper Motion Dec: -149.021 mas/yr Parallax: 0.0364038" Epoch of Position: 2000					
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	SUB256										
<b>Dithers</b>	#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F2100W	FASTR1	10	150	1	Dither 1	4	600	1975.634	

Proposal 2780 - Observation 9 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible

Proposal 2780 - Observation 10 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 10: HD107146, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	<p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD107146, Roll 2 (Obs 10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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4	F210M	F444W	MEDIUM8	10	18	1	18	1905.398																																																				

## Proposal 2780 - Observation 10 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD107146PSF (Obs 11) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible Aperture PA Offset 8 from 10 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 11 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 11: HD107146PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
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4	F210M	F444W	MEDIUM8	10	3	5	15	1587.832																																																				

Proposal 2780 - Observation 11 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible

Proposal 2780 - Observation 12 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 12: HD107146PSFMIRI</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: MIRI Imaging</p>										
<b>Diagnostics</b>	(Visit 12:1) 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>		
	(7)	HD-107146-PSF	RA: 12 48 52.4212 (192.2184217d) Dec: +12 05 46.95 (12.09638d) Equinox: J2000			Proper Motion RA: 233.211 mas/yr Proper Motion Dec: -139.582 mas/yr Parallax: 0.0275912" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 5.534; sptype = G5V</i></p> <p><i>1.82 mu: 5.57 Jy</i>  <i>2.10 mu: 4.48 Jy</i>  <i>2.50 mu: 3.29 Jy</i>  <i>3.00 mu: 2.45 Jy</i>  <i>3.35 mu: 2.02 Jy</i>  <i>4.44 mu: 1.12 Jy</i>                      Category=Calibration                      Description= Point spread function </p>										
<b>Template</b>	<p><b>Subarray</b></p> <p>SUB256</p>										
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>Starting Point</b>	<b>Number of Points</b>	<b>Points</b>	<b>Starting Set</b>	<b>Number of Sets</b>	<b>Optimized For</b>	<b>Direction</b>	<b>Pattern Size</b>	
	1	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT	
<b>Spectral Elements</b>	<b>#</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	F2100W	FASTR1	10	150	1	Dither 1	4	600	1975.634	

Proposal 2780 - Observation 12 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 7, 8, 9, 10, 11, 12, Non-interruptible

Proposal 2780 - Observation 13 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 13: HD181327, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD181327, Roll 1 (Obs 13)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(1)	HD-181327	RA: 19 22 58.9437 (290.7455987d) Dec: -54 32 16.98 (-54.53805d) Equinox: J2000		Proper Motion RA: 24.403 mas/yr Proper Motion Dec: -82.186 mas/yr Parallax: 0.0209306" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 5.9; sptype = F6V</i></p> <p><i>1.82 mu: 3.69 Jy</i>  <i>2.10 mu: 3.00 Jy</i>  <i>2.50 mu: 2.24 Jy</i>  <i>3.00 mu: 1.63 Jy</i>  <i>3.35 mu: 1.33 Jy</i>  <i>4.44 mu: 0.78 Jy</i>                      Category=Star                      Description=[Debris disks, F stars]</p>									
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Target Brightness</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	SAME	F335M	BRIGHT (ND Square)	SHALLOW4	17	1	1	4.266	12326
<b>Template</b>	<b>Module</b>		<b>Coronagraphic Mask</b>		<b>Obtain Astrometric Confirmation Images?</b>		<b>Subarray</b>		<b>Dither Pattern</b>	
	A		MASK335R		true		SUB320A335R		NONE	
<b>Confirmation</b>	<b>#</b>	<b>Conf. Readout Pattern</b>	<b>Conf. Groups/Int</b>	<b>Conf. Integrations/Exp</b>	<b>Conf. Total Integrations</b>	<b>Conf. Total Exposure Time</b>	<b>Conf. Total Dithers</b>			
	1	RAPID	3	3	3	118.104	1			

Proposal 2780 - Observation 13 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	16	1	16	1693.687	
2		F182M	F250M	MEDIUM8	10	16	1	16	1693.687	
3		F210M	F300M	MEDIUM8	10	16	1	16	1693.687	
4		F210M	F444W	MEDIUM8	10	16	1	16	1693.687	
PSF References	HD181327PSF (Obs 15) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	Offset -0.01 arcsec, 0.006 arcsec No Parallel Attachments  Sequence Observations 13, 14, 15, Non-interruptible Aperture PA Offset 14 from 13 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 14 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 14: HD181327, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	<p>(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD181327, Roll 2 (Obs 14)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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Proposal 2780 - Observation 14 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD181327PSF (Obs 15) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.01 arcsec, 0.006 arcsec Sequence Observations 13, 14, 15, Non-interruptible Aperture PA Offset 14 from 13 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 15 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 15: HD181327PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
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Proposal 2780 - Observation 15 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	PSF Reference: true
Special Requirements	Offset -0.01 arcsec, 0.006 arcsec Sequence Observations 13, 14, 15, Non-interruptible

Proposal 2780 - Observation 23 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 23: HD181327 Roll2 repeat</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	<p>(HD181327 Roll2 repeat (Obs 23)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees</p> <p>(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																																											
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Proposal 2780 - Observation 23 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	HD181327PSF repeat (Obs 24) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Sequence Observations 23, 24, Non-interruptible

Proposal 2780 - Observation 24 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 24: HD181327PSF repeat</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
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Proposal 2780 - Observation 24 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Sequence Observations 23, 24, Non-interruptible

Proposal 2780 - Observation 16 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 16: HD61005, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																										
<b>Diagnostics</b>	<p>(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD61005, Roll 1 (Obs 16)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																										
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	1	RAPID	3	3	3	118.104	1																																				

Proposal 2780 - Observation 16 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	16	1	16	1693.687	
2		F182M	F250M	MEDIUM8	10	16	1	16	1693.687	
3		F210M	F300M	MEDIUM8	10	16	1	16	1693.687	
4		F210M	F444W	MEDIUM8	10	16	1	16	1693.687	
PSF References	HD61005PSF (Obs 18) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	No Parallel Attachments Sequence Observations 16, 17, 18, Non-interruptible Aperture PA Offset 17 from 16 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 17 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 17: HD61005, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	<p>(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD61005, Roll 2 (Obs 17)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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## Proposal 2780 - Observation 17 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD61005PSF (Obs 18) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	No Parallel Attachments Sequence Observations 16, 17, 18, Non-interruptible Aperture PA Offset 17 from 16 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 29 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 29: HD61005, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																										
<b>Diagnostics</b>	<p>(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD61005, Roll 1 (Obs 29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																										
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Proposal 2780 - Observation 29 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

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PSF References	HD61005PSF (Obs 31) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	No Parallel Attachments Sequence Observations 29, 30, 31, Non-interruptible Aperture PA Offset 30 from 29 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 30 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 30: HD61005, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	<p>(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD61005, Roll 2 (Obs 30)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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4	F210M	F444W	MEDIUM8	10	16	1	16	1693.687																																																				

## Proposal 2780 - Observation 30 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD61005PSF (Obs 31) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	No Parallel Attachments Sequence Observations 29, 30, 31, Non-interruptible Aperture PA Offset 30 from 29 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 31 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 31: HD61005PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
<b>Fixed Targets</b>	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(9)	HD-61005-PSF	RA: 07 14 36.7020 (108.6529250d) Dec: -30 39 17.63 (-30.65490d) Equinox: J2000		Proper Motion RA: -83.772 mas/yr Proper Motion Dec: 45.286 mas/yr Parallax: 0.0082534" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 4.912; sptype = G5IV</i></p> <p><i>1.82 mu: 9.55 Jy</i>  <i>2.10 mu: 7.69 Jy</i>  <i>2.50 mu: 5.53 Jy</i>  <i>3.00 mu: 4.21 Jy</i>  <i>3.35 mu: 3.46 Jy</i>  <i>4.44 mu: 1.84 Jy</i>  <i>Category=Calibration</i>  <i>Description= Point spread function </i></p>									
<b>Acquisition</b>	#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F335M	FAINT	RAPID	3	1	1	0.203	12346
<b>Template</b>	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		false		SUB320A335R		5-POINT-DIAMOND	
<b>Spectral Elements</b>	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F182M	F335M	MEDIUM8	10	3	5	15	1587.832	
	2	F182M	F250M	MEDIUM8	10	3	5	15	1587.832	
	3	F210M	F300M	MEDIUM8	10	3	5	15	1587.832	
	4	F210M	F444W	MEDIUM8	10	3	5	15	1587.832	

Proposal 2780 - Observation 31 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments Sequence Observations 29, 30, 31, Non-interruptible

Proposal 2780 - Observation 18 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 18: HD61005PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="3">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>HD-61005-PSF</td> <td>RA: 07 14 36.7020 (108.6529250d) Dec: -30 39 17.63 (-30.65490d) Equinox: J2000</td> <td>Proper Motion RA: -83.772 mas/yr</td> <td>Proper Motion Dec: 45.286 mas/yr</td> <td>Parallax: 0.0082534"</td> <td colspan="4">Epoch of Position: 2000</td> </tr> <tr> <td colspan="10"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 4.912; sptype = G5IV</i></p> <p><i>1.82 mu: 9.55 Jy</i>  <i>2.10 mu: 7.69 Jy</i>  <i>2.50 mu: 5.53 Jy</i>  <i>3.00 mu: 4.21 Jy</i>  <i>3.35 mu: 3.46 Jy</i>  <i>4.44 mu: 1.84 Jy</i>  <i>Category=Calibration</i>  <i>Description= Point spread function </i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous				(9)	HD-61005-PSF	RA: 07 14 36.7020 (108.6529250d) Dec: -30 39 17.63 (-30.65490d) Equinox: J2000	Proper Motion RA: -83.772 mas/yr	Proper Motion Dec: 45.286 mas/yr	Parallax: 0.0082534"	Epoch of Position: 2000				<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 4.912; sptype = G5IV</i></p> <p><i>1.82 mu: 9.55 Jy</i>  <i>2.10 mu: 7.69 Jy</i>  <i>2.50 mu: 5.53 Jy</i>  <i>3.00 mu: 4.21 Jy</i>  <i>3.35 mu: 3.46 Jy</i>  <i>4.44 mu: 1.84 Jy</i>  <i>Category=Calibration</i>  <i>Description= Point spread function </i></p>																													
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Proposal 2780 - Observation 18 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments Sequence Observations 16, 17, 18, Non-interruptible

Proposal 2780 - Observation 19 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<b>Proposal 2780, Observation 19: HD 32297 - NIRSpec Fixed Slit G235/F170LP A</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRSpec Fixed Slit Spectroscopy																																
	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																
<b>Fixed Targets</b>	<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>(5)</td> <td>HD-32297</td> <td>RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000</td> <td>Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(5)	HD-32297	RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000	Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. K = 7.594; sptype = A0V 1.82 mu: 0.79 Jy 2.10 mu: 0.63 Jy 2.50 mu: 0.46 Jy 3.00 mu: 0.33 Jy 3.35 mu: 0.28 Jy 4.44 mu: 0.16 Jy Category=Star Description=[A stars, Debris disks]																					
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	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																						
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<b>Template</b>	<b>Slit</b>				<b>Subarray</b>																												
	S200A1				SUBS200A1																												
<b>Dithers</b>	<b>#</b>					<b>Primary Dither Positions</b>			<b>Sub-Pixel Pattern</b>																								
	1					3			BOTH																								
<b>Spectral Elements</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Grating/Filter</th> <th>Slit</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Ex #</th> <th>Autocal</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>G395H/F290LP</td> <td>S200A1</td> <td>NRSRAPID</td> <td>6</td> <td>5</td> <td>1</td> <td>NONE</td> <td>12</td> <td>60</td> <td>655.589</td> </tr> </tbody> </table>											#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Ex #	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	G395H/F290LP	S200A1	NRSRAPID	6	5	1	NONE	12	60	655.589
	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Ex #	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																						
1	G395H/F290LP	S200A1	NRSRAPID	6	5	1	NONE	12	60	655.589																							

Proposal 2780 - Observation 19 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 19, 20, 21, 22, Non-interruptible

Proposal 2780 - Observation 20 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 20: HD32297, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																										
<b>Diagnostics</b>	<p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD32297, Roll 1 (Obs 20)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																										
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>HD-32297</td> <td>RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000</td> <td colspan="4">Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000</td> <td colspan="4"></td> </tr> <tr> <td colspan="11"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i> <i>2.10 mu: 0.63 Jy</i> <i>2.50 mu: 0.46 Jy</i> <i>3.00 mu: 0.33 Jy</i> <i>3.35 mu: 0.28 Jy</i> <i>4.44 mu: 0.16 Jy</i> <i>Category=Star</i> <i>Description=[A stars, Debris disks]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(5)	HD-32297	RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000	Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000								<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i> <i>2.10 mu: 0.63 Jy</i> <i>2.50 mu: 0.46 Jy</i> <i>3.00 mu: 0.33 Jy</i> <i>3.35 mu: 0.28 Jy</i> <i>4.44 mu: 0.16 Jy</i> <i>Category=Star</i> <i>Description=[A stars, Debris disks]</i></p>										
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	1	SAME	F335M	FAINT	SHALLOW4	3	1	1	0.755	12350																																	
<b>Template</b>	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern																																		
	A	MASK335R			true		SUB320A335R		NONE																																		
<b>Confirmation</b>	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																																				
	1	RAPID	3	3	3	118.104	1																																				

Proposal 2780 - Observation 20 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	16	1	16	1693.687	
	2	F182M	F250M	MEDIUM8	10	16	1	16	1693.687	
	3	F210M	F300M	MEDIUM8	10	16	1	16	1693.687	
4		F210M	F444W	MEDIUM8	10	16	1	16	1693.687	
PSF References	HD32297PSF (Obs 22) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments  Sequence Observations 19, 20, 21, 22, Non-interruptible Aperture PA Offset 21 from 20 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 21 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 21: HD32297, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>																																																											
	<p>(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD32297, Roll 2 (Obs 21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																																											
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3	F210M	F300M	MEDIUM8	10	16	1	16	1693.687																																																				
4	F210M	F444W	MEDIUM8	10	16	1	16	1693.687																																																				

## Proposal 2780 - Observation 21 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD32297PSF (Obs 22) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Sequence Observations 19, 20, 21, 22, Non-interruptible Aperture PA Offset 21 from 20 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 22 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 22: HD32297PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(10)</td> <td>HD-32297-PSF</td> <td>RA: 04 55 58.3521 (73.9931338d) Dec: +05 23 56.49 (5.39903d) Equinox: J2000</td> <td colspan="4">Proper Motion RA: -16.634 mas/yr Proper Motion Dec: -14.69 mas/yr Parallax: 0.0076529" Epoch of Position: 2000</td> <td colspan="4"></td> </tr> <tr> <td colspan="11"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 6.417; sptype = A0V</i></p> <p><i>1.82 mu: 2.30 Jy</i> <i>2.10 mu: 1.88 Jy</i> <i>2.50 mu: 1.36 Jy</i> <i>3.00 mu: 1.00 Jy</i> <i>3.35 mu: 0.82 Jy</i> <i>4.44 mu: 0.49 Jy</i> <i>Category=Calibration</i> <i>Description= Point spread function </i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(10)	HD-32297-PSF	RA: 04 55 58.3521 (73.9931338d) Dec: +05 23 56.49 (5.39903d) Equinox: J2000	Proper Motion RA: -16.634 mas/yr Proper Motion Dec: -14.69 mas/yr Parallax: 0.0076529" Epoch of Position: 2000								<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 6.417; sptype = A0V</i></p> <p><i>1.82 mu: 2.30 Jy</i> <i>2.10 mu: 1.88 Jy</i> <i>2.50 mu: 1.36 Jy</i> <i>3.00 mu: 1.00 Jy</i> <i>3.35 mu: 0.82 Jy</i> <i>4.44 mu: 0.49 Jy</i> <i>Category=Calibration</i> <i>Description= Point spread function </i></p>																											
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4	F210M	F444W	MEDIUM8	10	3	5	15	1587.832																																																				

Proposal 2780 - Observation 22 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Sequence Observations 19, 20, 21, 22, Non-interruptible

Proposal 2780 - Observation 25 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 25: HD 32297 - NIRSpec Fixed Slit G235/F170LP A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRSpec Fixed Slit Spectroscopy</p>										
	<p>(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
<b>Diagnosics</b>											
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(5)	HD-32297	RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000			Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000					
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i>  <i>2.10 mu: 0.63 Jy</i>  <i>2.50 mu: 0.46 Jy</i>  <i>3.00 mu: 0.33 Jy</i>  <i>3.35 mu: 0.28 Jy</i>  <i>4.44 mu: 0.16 Jy</i>                      Category=Star                      Description=[A stars, Debris disks]</p>											
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>TA Method</b>	<b>Subarray</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	11 GAIA328990289 2417327104	WATA	SUB32	CLEAR	NRSRAPIDD6	3	1	1	0.26	82312.8
<b>Template</b>	<b>Slit</b>					<b>Subarray</b>					
	S200A1					SUBS200A1					
<b>Dithers</b>	<b>#</b>	<b>Primary Dither Positions</b>					<b>Sub-Pixel Pattern</b>				
	1	3					BOTH				
<b>Spectral Elements</b>	<b>#</b>	<b>Grating/Filter</b>	<b>Slit</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Ex #</b>	<b>Autocal</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	G395H/F290LP	S200A1	NRSRAPID	6	5	1	NONE	12	60	655.589

Proposal 2780 - Observation 25 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Special Requirements

Sequence Observations 25, 26, 27, 28, Non-interruptible

Proposal 2780 - Observation 26 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 26: HD32297, Roll 1</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																										
<b>Diagnostics</b>	<p>(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD32297, Roll 1 (Obs 26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																																										
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="4">Targ. Coord. Corrections</th> <th colspan="4">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>HD-32297</td> <td>RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000</td> <td colspan="4">Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000</td> <td colspan="4"></td> </tr> <tr> <td colspan="11"> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i></p> <p><i>2.10 mu: 0.63 Jy</i></p> <p><i>2.50 mu: 0.46 Jy</i></p> <p><i>3.00 mu: 0.33 Jy</i></p> <p><i>3.35 mu: 0.28 Jy</i></p> <p><i>4.44 mu: 0.16 Jy</i></p> <p><i>Category=Star</i></p> <p><i>Description=[A stars, Debris disks]</i></p> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections				Miscellaneous				(5)	HD-32297	RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000	Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000								<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i></p> <p><i>2.10 mu: 0.63 Jy</i></p> <p><i>2.50 mu: 0.46 Jy</i></p> <p><i>3.00 mu: 0.33 Jy</i></p> <p><i>3.35 mu: 0.28 Jy</i></p> <p><i>4.44 mu: 0.16 Jy</i></p> <p><i>Category=Star</i></p> <p><i>Description=[A stars, Debris disks]</i></p>										
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	1	SAME	F335M	FAINT	SHALLOW4	3	1	1	0.755	12350																																	
<b>Template</b>	Module	Coronagraphic Mask			Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern																																		
	A	MASK335R			true		SUB320A335R		NONE																																		
<b>Confirmation</b>	#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers																																				
	1	RAPID	3	3	3	118.104	1																																				

Proposal 2780 - Observation 26 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		F182M	F335M	MEDIUM8	10	16	1	16	1693.687	
2		F182M	F250M	MEDIUM8	10	16	1	16	1693.687	
3		F210M	F300M	MEDIUM8	10	16	1	16	1693.687	
4		F210M	F444W	MEDIUM8	10	16	1	16	1693.687	
PSF References	HD32297PSF (Obs 28) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false									
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments  Sequence Observations 25, 26, 27, 28, Non-interruptible Aperture PA Offset 27 from 26 by 10 to 14 Degrees (Same offsets in V3)									

Proposal 2780 - Observation 27 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 27: HD32297, Roll 2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
	<p>(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(HD32297, Roll 2 (Obs 27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>									
<b>Diagnosics</b>										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>	
	(5)	HD-32297	RA: 05 02 27.4359 (75.6143163d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000			Proper Motion RA: 5.671 mas/yr Proper Motion Dec: -23.526 mas/yr Parallax: 0.0077081" Epoch of Position: 2000				
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>K = 7.594; sptype = A0V</i></p> <p><i>1.82 mu: 0.79 Jy</i>  <i>2.10 mu: 0.63 Jy</i>  <i>2.50 mu: 0.46 Jy</i>  <i>3.00 mu: 0.33 Jy</i>  <i>3.35 mu: 0.28 Jy</i>  <i>4.44 mu: 0.16 Jy</i>                      Category=Star                      Description=[A stars, Debris disks]</p>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Target Brightness</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1	SAME	F335M	FAINT	SHALLOW4	3	1	1	0.755	12350
<b>Template</b>	<b>Module</b>		<b>Coronagraphic Mask</b>		<b>Obtain Astrometric Confirmation Images?</b>		<b>Subarray</b>		<b>Dither Pattern</b>	
	A		MASK335R		false		SUB320A335R		NONE	
<b>Spectral Elements</b>	<b>#</b>	<b>Short Filter</b>	<b>Long Filter</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	F182M	F335M	MEDIUM8	10	16	1	16	1693.687	
	2	F182M	F250M	MEDIUM8	10	16	1	16	1693.687	
	3	F210M	F300M	MEDIUM8	10	16	1	16	1693.687	
	4	F210M	F444W	MEDIUM8	10	16	1	16	1693.687	

## Proposal 2780 - Observation 27 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

<b>PSF References</b>	HD32297PSF (Obs 28) (PSF Reference; Filters [F182M/F250M, F182M/F335M, F210M/F444W, F210M/F300M]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Sequence Observations 25, 26, 27, 28, Non-interruptible Aperture PA Offset 27 from 26 by 10 to 14 Degrees (Same offsets in V3)

Proposal 2780 - Observation 28 - Coronagraphic Imaging of Scattered light Debris Disks - Cycle 2

Tue Aug 06 13:00:28 GMT 2024

<b>Observation</b>	<p><b>Proposal 2780, Observation 28: HD32297PSF</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>																																																											
<b>Diagnostics</b>	(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																											
<b>Fixed Targets</b>	<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>(14)</td> <td>HD-32297-PSF2</td> <td>RA: 04 47 17.9234 (71.8246808d) Dec: +05 47 17.59 (5.78822d) Equinox: J2000</td> <td>Proper Motion RA: 14.674000000000001 mas/yr Proper Motion Dec: -17.857999955595005 mas/yr Parallax: 0.005368" Epoch of Position: 2000</td> <td></td> </tr> </tbody> </table> <p><i>Comments: New PSF source for HD 32297. First one had a faint companion.</i></p> <p><i>This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=Calibration</i>  <i>Description=[Point spread function]</i>  <i>Extended=NO</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(14)	HD-32297-PSF2	RA: 04 47 17.9234 (71.8246808d) Dec: +05 47 17.59 (5.78822d) Equinox: J2000	Proper Motion RA: 14.674000000000001 mas/yr Proper Motion Dec: -17.857999955595005 mas/yr Parallax: 0.005368" Epoch of Position: 2000																																									
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PSF References	PSF Reference: true
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