



# 4050 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Cycle: 2, Proposal Category: GO

## INVESTIGATORS

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### OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
A Stars				
	1	TWA-43	NIRCam Coronagraphic Imaging	(20) TWA-43
	2	TWA-11	NIRCam Coronagraphic Imaging	(7) TWA-11A
	3	REF-A	NIRCam Coronagraphic Imaging	(33) REF-I-VEL
K Stars				
	4	TWA-9	NIRCam Coronagraphic Imaging	(5) TWA-9A
	5	TWA-25	NIRCam Coronagraphic Imaging	(12) TWA-25
	6	REF-K	NIRCam Coronagraphic Imaging	(26) REF-HD-101581
M1-M2 Stars				
	7	TWA-12	NIRCam Coronagraphic Imaging	(8) TWA-12
	8	TWA-13A	NIRCam Coronagraphic Imaging	(9) TWA-13A
	9	TWA-10	NIRCam Coronagraphic Imaging	(6) TWA-10
	10	TWA-47	NIRCam Coronagraphic Imaging	(24) TWA-47
	11	REF-M1-M2	NIRCam Coronagraphic Imaging	(27) REF-CD-23-9765
M1-M2 Stars - Duplicate REDO				
	32	TWA-12	NIRCam Coronagraphic Imaging	(8) TWA-12
	33	TWA-13A	NIRCam Coronagraphic Imaging	(9) TWA-13A
	34	TWA-10	NIRCam Coronagraphic Imaging	(6) TWA-10
	35	TWA-47	NIRCam Coronagraphic Imaging	(24) TWA-47
	36	REF-M1-M2	NIRCam Coronagraphic Imaging	(27) REF-CD-23-9765
M3 Stars				
	13	TWA-8	NIRCam Coronagraphic Imaging	(4) TWA-8A

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	14	TWA-23	NIRCam Coronagraphic Imaging	(11) TWA-23A
	15	TWA-20	NIRCam Coronagraphic Imaging	(10) TWA-20A
	16	TWA-46	NIRCam Coronagraphic Imaging	(23) TWA-46
	17	REF-M3	NIRCam Coronagraphic Imaging	(28) REF-HD-89063
M4 Stars				
	18	TWA-7	NIRCam Coronagraphic Imaging	(3) TWA-7
	19	TWA-33	NIRCam Coronagraphic Imaging	(16) TWA-33
	20	TWA-45	NIRCam Coronagraphic Imaging	(22) TWA-45
	21	TWA-35	NIRCam Coronagraphic Imaging	(18) TWA-35
	22	REF-M4	NIRCam Coronagraphic Imaging	(32) REF-IRAS-09432-4847
M5-M6 Stars				
	23	TWA-34	NIRCam Coronagraphic Imaging	(17) TWA-34
	24	J1058-2346	NIRCam Coronagraphic Imaging	(1) J1058-2346
	25	TWA-30	NIRCam Coronagraphic Imaging	(15) TWA-30A
	26	TWA-36	NIRCam Coronagraphic Imaging	(19) TWA-36
	27	TWA-44	NIRCam Coronagraphic Imaging	(21) TWA-44
	28	REF-M5-M6	NIRCam Coronagraphic Imaging	(34) REF-Y-Crt
M9 Stars				
	29	TWA-26	NIRCam Coronagraphic Imaging	(13) TWA-26
	30	TWA-29	NIRCam Coronagraphic Imaging	(14) TWA-29
	31	REF-M9	NIRCam Coronagraphic Imaging	(31) REF-IRAS-13041-5653

## ABSTRACT

Here we propose a NIRCam coronagraphic survey of stars within the TW Hya association which will be sensitive to sub-Jupiter mass exoplanets beyond 20 au. JWST is the only observatory with the necessary wavelength coverage and infrared sensitivity to explore this population, and holds the key to exploring their demographics, histories, and atmospheres. These observations will provide the first ever constraint on the occurrence of sub-Jupiter exoplanets beyond 10~au, and are fundamental to our understanding of the demographics of the entire exoplanet population. These constraints will in turn clarify whether the observed gaps within ALMA disks are likely to be generated by the sculpting effects of planets, and will provide valuable information on the influence of planetary scattering, which may be responsible for measured over-abundances of free-floating planets. Finally, these observations will kickstart a new generation of follow-up imaging and/or spectroscopic JWST characterisation observations of discovered objects. With sensitivity to masses as low as 0.1 M<sub>Jup</sub> at temperatures of 250K, these exoplanets will be fundamentally distinct from any

other discovered thus far.

## **OBSERVING DESCRIPTION**

We propose NIRCcam dual-band coronagraphic imaging of 24 targets with the TW Hya association using the MASK335R with the F200W+F444W filters. The sample of targets will be separated into seven non-interruptible sequences for spectral types A, K, M1-M2, M3, M4, M5-6, and M9. Each sequence will also include observations of a bright reference target with a matching spectral type using the 9-POINT-CIRCLE dither pattern to facilitate optimal PSF subtraction through reference differential imaging (RDI). PSF subtraction through self-referencing within and across sequences will also be explored to potentially enhance the dedicated reference observations.

Exposures will be set to approximately 30 minutes for each target, and reference observations will have an exposure duration that corresponds to producing the same signal-to-noise as the brightest science target within their respective sequence. The precise readout parameters for each observation have been optimised through our PanCAKE simulations for each target. This exposure time and reference strategy provides a median mass sensitivity of  $\sim 0.15$  M<sub>Jup</sub> at 1" and  $\sim 0.1$  M<sub>Jup</sub> in the background limited regime beyond  $\sim 3$ ".

Target acquisitions will be performed in the F335M filter, with some targets requiring the use of the ND square to avoid saturation. Readout parameters for these observations were optimised using ETC calculations within the workbook 146869, and all target acquisitions reach a signal-to-noise of  $>100$  to ensure an optimal PSF subtraction. Prior to the science observations, we will also perform full frame astrometric confirmation imaging to ensure that our target is correctly centered behind the coronagraphic mask.

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#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	J1058-2346	RA: 10 58 50.4326 (164.7101358d) Dec: -23 46 20.98 (-23.77249d) Equinox: J2000	Proper Motion RA: -0.006947834213980818 sec of time/yr Proper Motion Dec: -0.022958000045036897 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]				
(2)	TWA-1	RA: 11 01 51.8195 (165.4659146d) Dec: -34 42 17.25 (-34.70479d) Equinox: J2000	Proper Motion RA: -0.005539415026890248 sec of time/yr Proper Motion Dec: -0.013899999999011925 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]				
(3)	TWA-7	RA: 10 42 29.9544 (160.6248100d) Dec: -33 40 16.53 (-33.67126d) Equinox: J2000	Proper Motion RA: -0.00951264807897104 sec of time/yr Proper Motion Dec: -0.019647999988592346 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]				
(4)	TWA-8A	RA: 11 32 41.1609 (173.1715037d) Dec: -26 51 56.39 (-26.86566d) Equinox: J2000	Proper Motion RA: -0.006771228801583516 sec of time/yr Proper Motion Dec: -0.02738200005296676 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]				
(5)	TWA-9A	RA: 11 48 24.1537 (177.1006404d) Dec: -37 28 49.40 (-37.48039d) Equinox: J2000	Proper Motion RA: -0.004453088093912413 sec of time/yr Proper Motion Dec: -0.018329999943489383 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[K stars]				
(6)	TWA-10	RA: 12 35 4.1600 (188.7673333d) Dec: -41 36 39.07 (-41.61085d) Equinox: J2000	Proper Motion RA: -0.006199150755407501 sec of time/yr Proper Motion Dec: -0.029560999996647297 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]				
(7)	TWA-11A	RA: 12 36 0.9568 (189.0039867d) Dec: -39 52 10.59 (-39.86961d) Equinox: J2000	Proper Motion RA: -0.00483410349433121 sec of time/yr Proper Motion Dec: -0.023879999980636057 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]				

Fixed Targets

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(8)	TWA-12	RA: 11 21 5.3979 (170.2724913d) Dec: -38 45 16.75 (-38.75465d) Equinox: J2000	Proper Motion RA: -0.005389867414696095 sec of time/yr Proper Motion Dec: -0.014601999941987742 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			
(9)	TWA-13A	RA: 11 21 17.1324 (170.3213850d) Dec: -34 46 45.78 (-34.77938d) Equinox: J2000	Proper Motion RA: -0.005608378120544697 sec of time/yr Proper Motion Dec: -0.017959000047085283 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			
(10)	TWA-20A	RA: 12 31 37.9953 (187.9083138d) Dec: -45 58 59.78 (-45.98327d) Equinox: J2000	Proper Motion RA: -0.00476656240109851 sec of time/yr Proper Motion Dec: -0.02094999993005331 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			
(11)	TWA-23A	RA: 12 07 27.2859 (181.8636913d) Dec: -32 47 0.65 (-32.78351d) Equinox: J2000	Proper Motion RA: -0.005837757129128224 sec of time/yr Proper Motion Dec: -0.02657300008195307 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			
(12)	TWA-25	RA: 12 15 30.6169 (183.8775704d) Dec: -39 48 43.04 (-39.81196d) Equinox: J2000	Proper Motion RA: -0.0066693577382660124 sec of time/yr Proper Motion Dec: -0.02818699999806995 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[K stars]</p>			
(13)	TWA-26	RA: 11 39 51.0284 (174.9626183d) Dec: -31 59 21.84 (-31.98940d) Equinox: J2000	Proper Motion RA: -0.007061283191660141 sec of time/yr Proper Motion Dec: -0.025344000050608884 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			
(14)	TWA-29	RA: 12 45 14.0939 (191.3087246d) Dec: -44 29 8.08 (-44.48558d) Equinox: J2000	Proper Motion RA: -0.004312705547466552 sec of time/yr Proper Motion Dec: -0.02251700000215351 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>            Category=Star            Description=[M stars]</p>			

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(15)	TWA-30A	RA: 11 32 18.2049 (173.0758537d) Dec: -30 19 52.25 (-30.33118d) Equinox: J2000	Proper Motion RA: -0.006884088049510734 sec of time/yr Proper Motion Dec: -0.02522099991892901 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(16)	TWA-33	RA: 11 39 33.7211 (174.8905046d) Dec: -30 40 0.77 (-30.66688d) Equinox: J2000	Proper Motion RA: -0.006698232943479244 sec of time/yr Proper Motion Dec: -0.025834000052782358 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(17)	TWA-34	RA: 10 28 45.7224 (157.1905100d) Dec: -28 30 37.72 (-28.51048d) Equinox: J2000	Proper Motion RA: -0.004959203398684974 sec of time/yr Proper Motion Dec: -0.012559000060718972 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(18)	TWA-35	RA: 12 00 27.4301 (180.1142921d) Dec: -34 05 37.51 (-34.09375d) Equinox: J2000	Proper Motion RA: -0.004680392331955025 sec of time/yr Proper Motion Dec: -0.021014999992985395 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(19)	TWA-36	RA: 12 02 37.9096 (180.6579567d) Dec: -33 28 40.62 (-33.47795d) Equinox: J2000	Proper Motion RA: -0.005294181035788577 sec of time/yr Proper Motion Dec: -0.023388000067825487 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(20)	TWA-43	RA: 11 08 43.9090 (167.1829542d) Dec: -28 04 50.70 (-28.08075d) Equinox: J2000	Proper Motion RA: -0.005229677825391906 sec of time/yr Proper Motion Dec: -0.022181000076670898 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]			
(21)	TWA-44	RA: 12 17 59.1318 (184.4963825d) Dec: -37 34 43.66 (-37.57879d) Equinox: J2000	Proper Motion RA: -0.004426412298113565 sec of time/yr Proper Motion Dec: -0.021797000044898596 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			

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(22)	TWA-45	RA: 11 59 27.7877 (179.8657821d) Dec: -45 10 19.53 (-45.17209d) Equinox: J2000	Proper Motion RA: -0.005337931050613834 sec of time/yr Proper Motion Dec: -0.01833999990594748 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(23)	TWA-46	RA: 12 35 46.0639 (188.9419329d) Dec: -41 15 53.52 (-41.26487d) Equinox: J2000	Proper Motion RA: -0.005894973085486194 sec of time/yr Proper Motion Dec: -0.01990400000977388 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(24)	TWA-47	RA: 12 37 12.2993 (189.3012471d) Dec: -40 21 48.64 (-40.36351d) Equinox: J2000	Proper Motion RA: -0.005502716648114537 sec of time/yr Proper Motion Dec: -0.028166000015517056 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(25)	REF-M-VEL	RA: 09 36 49.3329 (144.2055537d) Dec: -49 21 17.42 (-49.35484d) Equinox: J2000	Proper Motion RA: -0.01336153074969628 sec of time/yr Proper Motion Dec: 0.04298 arcsec/yr Parallax: 0.0306319" Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]			
(26)	REF-HD-101581	RA: 11 41 1.5129 (175.2563038d) Dec: -44 24 14.93 (-44.40415d) Equinox: J2000	Proper Motion RA: -0.061647409241563 sec of time/yr Proper Motion Dec: 0.242096 arcsec/yr Parallax: 0.0782268" Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[K stars]			
(27)	REF-CD-23-9765	RA: 11 09 30.4388 (167.3768283d) Dec: -24 36 2.04 (-24.60057d) Equinox: J2000	Proper Motion RA: -0.05845798154551711 sec of time/yr Proper Motion Dec: -0.4467029999659644 arcsec/yr Parallax: 0.0928036" Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(28)	REF-HD-89063	RA: 10 15 13.1739 (153.8048912d) Dec: -49 28 21.92 (-49.47276d) Equinox: J2000	Proper Motion RA: -9.013923232420731E-4 sec of time/yr Proper Motion Dec: -0.002469000082783168 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			

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(29)	REF-IRAS-09047-4526	RA: 09 06 30.8372 (136.6284883d) Dec: -45 38 45.70 (-45.64603d) Equinox: J2000	Proper Motion RA: -6.65341926540836E-4 sec of time/yr Proper Motion Dec: 0.008511 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(30)	REF-SIPS-J1141-3624	RA: 11 41 22.1439 (175.3422663d) Dec: -36 24 29.73 (-36.40826d) Equinox: J2000	Proper Motion RA: 0.04018290443513177 sec of time/yr Proper Motion Dec: 0.3118039999999997 arcsec/yr Parallax: 0.1150835" Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(31)	REF-IRAS-13041-5653	RA: 13 07 11.5253 (196.7980221d) Dec: -57 09 18.88 (-57.15524d) Equinox: J2000	Proper Motion RA: -0.0015665966763508741 sec of time/yr Proper Motion Dec: 0.002136000000000003 arcsec/yr Epoch of Position: 2015.5
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(32)	REF-IRAS-09432-4847	RA: 09 45 2.1421 (146.2589254d) Dec: -49 00 52.80 (-49.01467d) Equinox: J2000	Proper Motion RA: 5.087 mas/yr Proper Motion Dec: -6.133000078989426 mas/yr Parallax: 0.0006564" Epoch of Position: 2000
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			
(33)	REF-I-VEL	RA: 11 00 9.2642 (165.0386008d) Dec: -42 13 33.09 (-42.22586d) Equinox: J2000	Proper Motion RA: 23.077 mas/yr Proper Motion Dec: 3.942 mas/yr Parallax: 0.0162011" Epoch of Position: 2000
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]			
(34)	REF-Y-Crt	RA: 11 20 26.0271 (170.1084463d) Dec: -24 54 41.50 (-24.91153d) Equinox: J2000	Proper Motion RA: -15.775 mas/yr Proper Motion Dec: -4.108000007363444 mas/yr Parallax: 5.624E-4" Epoch of Position: 2000
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]			

Proposal 4050 - Observation 1 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 1: TWA-43</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-43 (Obs 1)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-43 (Obs 1)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (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>		
	(20)	TWA-43	RA: 11 08 43.9090 (167.1829542d) Dec: -28 04 50.70 (-28.08075d) Equinox: J2000		Proper Motion RA: -0.005229677825391906 sec of time/yr Proper Motion Dec: -0.022181000076670898 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]										
<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	65	1	1	64.659	197908.15
<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	1	1	32.21	1			
<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	F200W	F444W	DEEP8	10	9	1	9	1818.621	

Proposal 4050 - Observation 1 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-A (Obs 3) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 1, 2, 3, Non-interruptible

Proposal 4050 - Observation 2 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 2: TWA-11</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-11 (Obs 2)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-11 (Obs 2)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 2:1) 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)	TWA-11A	RA: 12 36 0.9568 (189.0039867d) Dec: -39 52 10.59 (-39.86961d) Equinox: J2000			Proper Motion RA: -0.00483410349433121 sec of time/yr Proper Motion Dec: -0.023879999980636057 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[A stars]										
<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	65	1	1	64.659	197908.16
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 2 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-A (Obs 3) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 1, 2, 3, Non-interruptible

Proposal 4050 - Observation 3 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 3: REF-A</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	(Visit 3:1) 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>		
	(33)	REF-I-VEL	RA: 11 00 9.2642 (165.0386008d) Dec: -42 13 33.09 (-42.22586d) Equinox: J2000		Proper Motion RA: 23.077 mas/yr Proper Motion Dec: 3.942 mas/yr Parallax: 0.0162011" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[A 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)	MEDIUM8	33	1	1	16.505	197908.30
<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		9-POINT-CIRCLE	
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	4	8	9	72	5312.465	

Proposal 4050 - Observation 3 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 1, 2, 3, Non-interruptible

Proposal 4050 - Observation 4 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 4: TWA-9</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(TWA-9 (Obs 4)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-9 (Obs 4)) 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 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(5)	TWA-9A	RA: 11 48 24.1537 (177.1006404d) Dec: -37 28 49.40 (-37.48039d) Equinox: J2000		Proper Motion RA: -0.004453088093912413 sec of time/yr Proper Motion Dec: -0.018329999943489383 arcsec/yr Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[K 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	FAINT	SHALLOW4	5	1	1	1.257	197908.21
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 4 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-K (Obs 6) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 4, 5, 6, Non-interruptible

Proposal 4050 - Observation 5 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 5: TWA-25</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-25 (Obs 5)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-25 (Obs 5)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 5:1) 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)	TWA-25	RA: 12 15 30.6169 (183.8775704d) Dec: -39 48 43.04 (-39.81196d) Equinox: J2000		Proper Motion RA: -0.0066693577382660124 sec of time/yr Proper Motion Dec: -0.02818699999806995 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[K stars]										
<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	BRIGHT2	9	1	1	0.956	197908.22
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 5 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-K (Obs 6) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 4, 5, 6, Non-interruptible

Proposal 4050 - Observation 6 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 6: REF-K</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
<b>Fixed Targets</b>	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(26)	REF-HD-101581	RA: 11 41 1.5129 (175.2563038d) Dec: -44 24 14.93 (-44.40415d) Equinox: J2000		Proper Motion RA: -0.061647409241563 sec of time/yr Proper Motion Dec: 0.242096 arcsec/yr Parallax: 0.0782268" Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[K stars]</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	65	1	1	64.659	197908.31
<b>Template</b>	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		true		SUB320A335R		9-POINT-CIRCLE	
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	6	2	9	18	2097.825	

Proposal 4050 - Observation 6 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 4, 5, 6, Non-interruptible

Proposal 4050 - Observation 7 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 7: TWA-12</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-12 (Obs 7)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-12 (Obs 7)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (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>	
	(8)	TWA-12	RA: 11 21 5.3979 (170.2724913d) Dec: -38 45 16.75 (-38.75465d) Equinox: J2000			Proper Motion RA: -0.005389867414696095 sec of time/yr Proper Motion Dec: -0.014601999941987742 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	RAPID	5	1	1	0.304	146869.17
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 7 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Group Observations 7, 8, 9, 10, 11, Non-interruptible

Proposal 4050 - Observation 8 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 8: TWA-13A</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-13A (Obs 8)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-13A (Obs 8)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 8:1) 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>		
	(9)	TWA-13A	RA: 11 21 17.1324 (170.3213850d) Dec: -34 46 45.78 (-34.77938d) Equinox: J2000		Proper Motion RA: -0.005608378120544697 sec of time/yr Proper Motion Dec: -0.017959000047085283 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	RAPID	3	1	1	0.203	146869.18
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 8 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Group Observations 7, 8, 9, 10, 11, Non-interruptible

Proposal 4050 - Observation 9 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 9: TWA-10</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-10 (Obs 9)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-10 (Obs 9)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 9:1) 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>	
	(6)	TWA-10	RA: 12 35 4.1600 (188.7673333d) Dec: -41 36 39.07 (-41.61085d) Equinox: J2000			Proper Motion RA: -0.006199150755407501 sec of time/yr Proper Motion Dec: -0.029560999996647297 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	RAPID	5	1	1	0.304	146869.19
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 9 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Group Observations 7, 8, 9, 10, 11, Non-interruptible

Proposal 4050 - Observation 10 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:41 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 10: TWA-47</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-47 (Obs 10)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-47 (Obs 10)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 10:1) 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>	
	(24)	TWA-47	RA: 12 37 12.2993 (189.3012471d) Dec: -40 21 48.64 (-40.36351d) Equinox: J2000			Proper Motion RA: -0.005502716648114537 sec of time/yr Proper Motion Dec: -0.028166000015517056 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	RAPID	5	1	1	0.304	20
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 10 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Group Observations 7, 8, 9, 10, 11, Non-interruptible

Proposal 4050 - Observation 11 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 11: REF-M1-M2</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.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(27)	REF-CD-23-9765	RA: 11 09 30.4388 (167.3768283d) Dec: -24 36 2.04 (-24.60057d) Equinox: J2000		Proper Motion RA: -0.05845798154551711 sec of time/yr Proper Motion Dec: -0.4467029999659644 arcsec/yr Parallax: 0.0928036" Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	RAPID	3	1	1	0.203	146869.27
<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		5-POINT-DIAMOND	
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	12	2	5	10	2448.306	

Proposal 4050 - Observation 11 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.006 arcsec, 0.002 arcsec No Parallel Attachments Group Observations 7, 8, 9, 10, 11, Non-interruptible

Proposal 4050 - Observation 32 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 32: TWA-12</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(TWA-12 (Obs 32)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-12 (Obs 32)) 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 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(8)	TWA-12	RA: 11 21 5.3979 (170.2724913d) Dec: -38 45 16.75 (-38.75465d) Equinox: J2000		Proper Motion RA: -0.005389867414696095 sec of time/yr Proper Motion Dec: -0.014601999941987742 arcsec/yr Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	SHALLOW4	5	1	1	1.257	197908.17
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 32 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 32, 33, 34, 35, 36, Non-interruptible

Proposal 4050 - Observation 33 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 33: TWA-13A</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-13A (Obs 33)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-13A (Obs 33)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 33:1) 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>	
	(9)	TWA-13A	RA: 11 21 17.1324 (170.3213850d) Dec: -34 46 45.78 (-34.77938d) Equinox: J2000			Proper Motion RA: -0.005608378120544697 sec of time/yr Proper Motion Dec: -0.017959000047085283 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	BRIGHT2	9	1	1	0.956	197908.18
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 33 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 32, 33, 34, 35, 36, Non-interruptible

Proposal 4050 - Observation 34 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 34: TWA-10</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(TWA-10 (Obs 34)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-10 (Obs 34)) 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 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(6)	TWA-10	RA: 12 35 4.1600 (188.7673333d) Dec: -41 36 39.07 (-41.61085d) Equinox: J2000		Proper Motion RA: -0.006199150755407501 sec of time/yr Proper Motion Dec: -0.029560999996647297 arcsec/yr Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	BRIGHT2	17	1	1	1.758	197908.19
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 34 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 32, 33, 34, 35, 36, Non-interruptible

Proposal 4050 - Observation 35 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 35: TWA-47</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
	<p>(TWA-47 (Obs 35)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-47 (Obs 35)) 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 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>	
	(24)	TWA-47	RA: 12 37 12.2993 (189.3012471d) Dec: -40 21 48.64 (-40.36351d) Equinox: J2000			Proper Motion RA: -0.005502716648114537 sec of time/yr Proper Motion Dec: -0.028166000015517056 arcsec/yr Epoch of Position: 2015.5				
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	SHALLOW4	9	1	1	2.26	197908.20
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 35 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M1-M2 (Obs 11) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 32, 33, 34, 35, 36, Non-interruptible

Proposal 4050 - Observation 36 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 36: REF-M1-M2</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	(Visit 36:1) 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>		
	(27)	REF-CD-23-9765	RA: 11 09 30.4388 (167.3768283d) Dec: -24 36 2.04 (-24.60057d) Equinox: J2000		Proper Motion RA: -0.05845798154551711 sec of time/yr Proper Motion Dec: -0.4467029999659644 arcsec/yr Parallax: 0.0928036" Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	65	1	1	64.659	197908.27
<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	9-POINT-CIRCLE		
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	12	2	9	18	4406.952	

Proposal 4050 - Observation 36 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments  Group Observations 32, 33, 34, 35, 36, Non-interruptible

Proposal 4050 - Observation 13 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 13: TWA-8</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-8 (Obs 13)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-8 (Obs 13)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 13:1) 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>		
	(4)	TWA-8A	RA: 11 32 41.1609 (173.1715037d) Dec: -26 51 56.39 (-26.86566d) Equinox: J2000		Proper Motion RA: -0.006771228801583516 sec of time/yr Proper Motion Dec: -0.02738200005296676 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	BRIGHT2	9	1	1	0.956	197908.11
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 13 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M3 (Obs 17) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 13, 14, 15, 16, 17, Non-interruptible

Proposal 4050 - Observation 14 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 14: TWA-23</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-23 (Obs 14)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-23 (Obs 14)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 14:1) 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>	
	(11)	TWA-23A	RA: 12 07 27.2859 (181.8636913d) Dec: -32 47 0.65 (-32.78351d) Equinox: J2000			Proper Motion RA: -0.005837757129128224 sec of time/yr Proper Motion Dec: -0.02657300008195307 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	5	1	1	1.257	197908.12
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 14 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M3 (Obs 17) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 13, 14, 15, 16, 17, Non-interruptible

Proposal 4050 - Observation 15 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 15: TWA-20</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-20 (Obs 15)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-20 (Obs 15)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 15:1) 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>	
	(10)	TWA-20A	RA: 12 31 37.9953 (187.9083138d) Dec: -45 58 59.78 (-45.98327d) Equinox: J2000			Proper Motion RA: -0.00476656240109851 sec of time/yr Proper Motion Dec: -0.02094999993005331 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	9	1	1	2.26	197908.13
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 15 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M3 (Obs 17) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 13, 14, 15, 16, 17, Non-interruptible

Proposal 4050 - Observation 16 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 16: TWA-46</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(TWA-46 (Obs 16)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-46 (Obs 16)) 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 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>	
	(23)	TWA-46	RA: 12 35 46.0639 (188.9419329d) Dec: -41 15 53.52 (-41.26487d) Equinox: J2000			Proper Motion RA: -0.005894973085486194 sec of time/yr Proper Motion Dec: -0.01990400000977388 arcsec/yr Epoch of Position: 2015.5				
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	SHALLOW4	17	1	1	4.266	197908.14
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 16 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M3 (Obs 17) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 13, 14, 15, 16, 17, Non-interruptible

Proposal 4050 - Observation 17 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 17: REF-M3</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
<b>Diagnostics</b>	(Visit 17:1) 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>		
	(28)	REF-HD-89063	RA: 10 15 13.1739 (153.8048912d) Dec: -49 28 21.92 (-49.47276d) Equinox: J2000		Proper Motion RA: -9.013923232420731E-4 sec of time/yr Proper Motion Dec: -0.002469000082783168 arcsec/yr Epoch of Position: 2015.5					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]									
<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)	MEDIUM8	65	1	1	32.556	197908.28
<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	9-POINT-CIRCLE		
<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	1		1	32.21	1	
<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	F200W	F444W	MEDIUM8	6	2	9	18	1135.689	

Proposal 4050 - Observation 17 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 13, 14, 15, 16, 17, Non-interruptible

Proposal 4050 - Observation 18 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 18: TWA-7</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-7 (Obs 18)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-7 (Obs 18)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 18:1) 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>		
	(3)	TWA-7	RA: 10 42 29.9544 (160.6248100d) Dec: -33 40 16.53 (-33.67126d) Equinox: J2000		Proper Motion RA: -0.00951264807897104 sec of time/yr Proper Motion Dec: -0.019647999988592346 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	65	1	1	64.659	197908.6
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 18 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M4 (Obs 22) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 18, 19, 20, 21, 22, Non-interruptible

Proposal 4050 - Observation 19 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 19: TWA-33</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-33 (Obs 19)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-33 (Obs 19)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 19:1) 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>		
	(16)	TWA-33	RA: 11 39 33.7211 (174.8905046d) Dec: -30 40 0.77 (-30.66688d) Equinox: J2000		Proper Motion RA: -0.006698232943479244 sec of time/yr Proper Motion Dec: -0.025834000052782358 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	17	1	1	4.266	197908.7
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 19 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M4 (Obs 22) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 18, 19, 20, 21, 22, Non-interruptible

Proposal 4050 - Observation 20 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 20: TWA-45</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-45 (Obs 20)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-45 (Obs 20)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 20:1) 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>		
	(22)	TWA-45	RA: 11 59 27.7877 (179.8657821d) Dec: -45 10 19.53 (-45.17209d) Equinox: J2000		Proper Motion RA: -0.005337931050613834 sec of time/yr Proper Motion Dec: -0.01833999990594748 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	17	1	1	4.266	197908.8
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 20 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-M4 (Obs 22) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 18, 19, 20, 21, 22, Non-interruptible

Proposal 4050 - Observation 21 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 21: TWA-35</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-35 (Obs 21)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-35 (Obs 21)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 21:1) 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>	
	(18)	TWA-35	RA: 12 00 27.4301 (180.1142921d) Dec: -34 05 37.51 (-34.09375d) Equinox: J2000			Proper Motion RA: -0.004680392331955025 sec of time/yr Proper Motion Dec: -0.021014999992985395 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	9	1	1	2.26	197908.9
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 21 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M4 (Obs 22) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 18, 19, 20, 21, 22, Non-interruptible

Proposal 4050 - Observation 22 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 22: REF-M4</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam 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>	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(32)	REF-IRAS-09432-4847	RA: 09 45 2.1421 (146.2589254d) Dec: -49 00 52.80 (-49.01467d) Equinox: J2000		Proper Motion RA: 5.087 mas/yr Proper Motion Dec: -6.133000078989426 mas/yr Parallax: 0.0006564" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[M stars]</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	65	1	1	64.659	197908.26
<b>Template</b>	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		true		SUB320A335R		9-POINT-CIRCLE	
<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	1		1	32.21		1
<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	F200W	F444W	DEEP8	7	3	9	27	3724.019	

Proposal 4050 - Observation 22 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 18, 19, 20, 21, 22, Non-interruptible

Proposal 4050 - Observation 23 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 23: TWA-34</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-34 (Obs 23)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-34 (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 (Visit 23:1) 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>		
	(17)	TWA-34	RA: 10 28 45.7224 (157.1905100d) Dec: -28 30 37.72 (-28.51048d) Equinox: J2000		Proper Motion RA: -0.004959203398684974 sec of time/yr Proper Motion Dec: -0.012559000060718972 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	MEDIUM8	17	1	1	8.48	197908.1
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 23 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M5-M6 (Obs 28) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 24 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 24: J1058-2346</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging																													
<b>Diagnostics</b>	(J1058-2346 (Obs 24)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (J1058-2346 (Obs 24)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 24:1) 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>(1)</td> <td>J1058-2346</td> <td>RA: 10 58 50.4326 (164.7101358d) Dec: -23 46 20.98 (-23.77249d) Equinox: J2000</td> <td>Proper Motion RA: -0.006947834213980818 sec of time/yr Proper Motion Dec: -0.022958000045036897 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>                  Category=Star                  Description=[M stars]</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(1)	J1058-2346	RA: 10 58 50.4326 (164.7101358d) Dec: -23 46 20.98 (-23.77249d) Equinox: J2000	Proper Motion RA: -0.006947834213980818 sec of time/yr Proper Motion Dec: -0.022958000045036897 arcsec/yr Epoch of Position: 2015.5											
#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																										
(1)	J1058-2346	RA: 10 58 50.4326 (164.7101358d) Dec: -23 46 20.98 (-23.77249d) Equinox: J2000	Proper Motion RA: -0.006947834213980818 sec of time/yr Proper Motion Dec: -0.022958000045036897 arcsec/yr Epoch of Position: 2015.5																											
<b>Acquisition</b>	<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>SAME</td> <td>F335M</td> <td>FAINT</td> <td>DEEP8</td> <td>5</td> <td>1</td> <td>1</td> <td>4.467</td> <td>197908.2</td> </tr> </tbody> </table>										#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SAME	F335M	FAINT	DEEP8	5	1	1	4.467	197908.2
#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
1	SAME	F335M	FAINT	DEEP8	5	1	1	4.467	197908.2																					
<b>Template</b>	<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>NONE</td> </tr> </tbody> </table>										Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern	A	MASK335R	true	SUB320A335R	NONE										
Module	Coronagraphic Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern																										
A	MASK335R	true	SUB320A335R	NONE																										
<b>Confirmation</b>	<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																								
<b>Spectral Elements</b>	<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>F200W</td> <td>F444W</td> <td>DEEP8</td> <td>18</td> <td>5</td> <td>1</td> <td>5</td> <td>1865.577</td> <td></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	F200W	F444W	DEEP8	18	5	1	5	1865.577	
#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
1	F200W	F444W	DEEP8	18	5	1	5	1865.577																						

# Proposal 4050 - Observation 24 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M5-M6 (Obs 28) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 25 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 25: TWA-30</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-30 (Obs 25)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-30 (Obs 25)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 25:1) 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>	
	(15)	TWA-30A	RA: 11 32 18.2049 (173.0758537d) Dec: -30 19 52.25 (-30.33118d) Equinox: J2000			Proper Motion RA: -0.006884088049510734 sec of time/yr Proper Motion Dec: -0.02522099991892901 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	MEDIUM8	5	1	1	2.46	197908.3
<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	1	1		32.21	1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 25 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	REF-M5-M6 (Obs 28) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 26 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 26: TWA-36</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-36 (Obs 26)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-36 (Obs 26)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 26:1) 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>	
	(19)	TWA-36	RA: 12 02 37.9096 (180.6579567d) Dec: -33 28 40.62 (-33.47795d) Equinox: J2000			Proper Motion RA: -0.005294181035788577 sec of time/yr Proper Motion Dec: -0.02338800067825487 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	MEDIUM8	17	1	1	8.48	197908.4
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 26 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M5-M6 (Obs 28) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 27 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 27: TWA-44</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam Coronagraphic Imaging</p>									
<b>Diagnostics</b>	<p>(TWA-44 (Obs 27)) Warning (Form): PSF Reference observations should be SEQ NON-INT.</p> <p>(TWA-44 (Obs 27)) 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 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(21)	TWA-44	RA: 12 17 59.1318 (184.4963825d) Dec: -37 34 43.66 (-37.57879d) Equinox: J2000		Proper Motion RA: -0.004426412298113565 sec of time/yr Proper Motion Dec: -0.021797000044898596 arcsec/yr Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[M 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	FAINT	MEDIUM8	33	1	1	16.505	197908.5
<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	1		1	32.21	1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

# Proposal 4050 - Observation 27 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M5-M6 (Obs 28) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 28 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 28: REF-M5-M6</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Observing Template: NIRCcam 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>	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(34)	REF-Y-Crt	RA: 11 20 26.0271 (170.1084463d) Dec: -24 54 41.50 (-24.91153d) Equinox: J2000		Proper Motion RA: -15.775 mas/yr Proper Motion Dec: -4.108000007363444 mas/yr Parallax: 5.624E-4" Epoch of Position: 2000					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=Star Description=[M stars]</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)	MEDIUM8	65	1	1	32.556	197908.29
<b>Template</b>	Module		Coronagraphic Mask		Obtain Astrometric Confirmation Images?		Subarray		Dither Pattern	
	A		MASK335R		true		SUB320A335R		9-POINT-CIRCLE	
<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	1		1	32.21		1
<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	F200W	F444W	SHALLOW4	4	2	9	18	385.223	

Proposal 4050 - Observation 28 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 23, 24, 25, 26, 27, 28, Non-interruptible

Proposal 4050 - Observation 29 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 29: TWA-26</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCcam Coronagraphic Imaging									
	(TWA-26 (Obs 29)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-26 (Obs 29)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 29:1) 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)	TWA-26	RA: 11 39 51.0284 (174.9626183d) Dec: -31 59 21.84 (-31.98940d) Equinox: J2000			Proper Motion RA: -0.007061283191660141 sec of time/yr Proper Motion Dec: -0.025344000050608884 arcsec/yr Epoch of Position: 2015.5				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	MEDIUM8	65	1	1	32.556	197908.23
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	10	9	1	9	1818.621	

Proposal 4050 - Observation 29 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M9 (Obs 31) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 29, 30, 31, Non-interruptible

Proposal 4050 - Observation 30 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<b>Proposal 4050, Observation 30: TWA-29</b> <b>Diagnostic Status: Warning</b> Observing Template: NIRCam Coronagraphic Imaging									
	(TWA-29 (Obs 30)) Warning (Form): PSF Reference observations should be SEQ NON-INT. (TWA-29 (Obs 30)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees (Visit 30:1) 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>		
	(14)	TWA-29	RA: 12 45 14.0939 (191.3087246d) Dec: -44 29 8.08 (-44.48558d) Equinox: J2000		Proper Motion RA: -0.004312705547466552 sec of time/yr Proper Motion Dec: -0.02251700000215351 arcsec/yr Epoch of Position: 2015.5					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[M stars]										
<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	DEEP8	65	1	1	64.659	197908.24
<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	1	1	32.21		1	
<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	F200W	F444W	DEEP8	18	5	1	5	1865.577	

Proposal 4050 - Observation 30 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	REF-M9 (Obs 31) (PSF Reference; Filters [F200W/F444W]) Additional Justification: false
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 29, 30, 31, Non-interruptible

Proposal 4050 - Observation 31 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

Thu Apr 11 21:00:42 GMT 2024

<b>Observation</b>	<p><b>Proposal 4050, Observation 31: REF-M9</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>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>			<b>Miscellaneous</b>		
	(31)	REF-IRAS-13041-5653	RA: 13 07 11.5253 (196.7980221d) Dec: -57 09 18.88 (-57.15524d) Equinox: J2000		Proper Motion RA: -0.0015665966763508741 sec of time/yr Proper Motion Dec: 0.002136000000000003 arcsec/yr Epoch of Position: 2015.5					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	<i>Category=Star</i>									
	<i>Description=[M stars]</i>									
<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	65	1	1	64.659	197908.25
<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	9-POINT-CIRCLE		
<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	1		1	32.21	1	
<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	F200W	F444W	RAPID	5	2	9	18	115.825	

Proposal 4050 - Observation 31 - Uncharted Worlds: Towards a Legacy of Direct Imaging of Sub-Jupiter Mass Exoplanets

<b>PSF References</b>	PSF Reference: true
<b>Special Requirements</b>	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments  Group Observations 29, 30, 31, Non-interruptible