



2473 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Cycle: 1, Proposal Category: GO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Loic Albert (PI) (CSA Member)	Universite de Montreal
Prof. Michael R. Meyer (CoI) (CoPI) (US Admin CoI)	University of Michigan
Dr. Thomas L Roellig (CoI)	NASA Ames Research Center
Dr. Charles A. Beichman (CoI)	Jet Propulsion Laboratory
Dr. Marie Ygouf (CoI)	Jet Propulsion Laboratory
Dr. Frantz Martinache (CoI) (ESA Member)	Observatoire de la Cote d'Azur
Dr. Jacqueline Kelly Faherty (CoI)	American Museum of Natural History
Dr. Michael C. Cushing (CoI)	University of Toledo
Dr. Benjamin Pope (CoI)	University of Queensland
Dr. Sandy K. Leggett (CoI)	NOIRLab - Gemini North (HI)
Prof. John Evangelos Gizis (CoI)	University of Delaware
Dr. Daniella Carolina Bardalez Gagliuffi (CoI)	Amherst College
Dr. Johannes Sahlmann (CoI) (ESA Member)	RHEA Group
Prof. Adam J. Burgasser (CoI)	University of California - San Diego
Dr. Anand Sivaramakrishnan (CoI)	Space Telescope Science Institute
Mr. Matthew De Furio (CoI)	University of Michigan
Dr. Clemence Fontanive (CoI) (CSA Member)	Universite de Montreal
Frederique Baron (CoI) (CSA Member)	Universite de Montreal
Mrs. Alexandra Greenbaum (CoI)	The Johns Hopkins University
Dr. Mamadou N'Diaye (CoI) (ESA Member)	Observatoire de la Cote d'Azur
Dr. J. Davy Kirkpatrick (CoI)	California Institute of Technology

JWST Proposal 2473 (Created: Thursday, May 18, 2023 at 4:01:10 PM Eastern Standard Time) - Overview

<i>Name</i>	<i>Institution</i>
Dr. Christopher R. Gelino (CoI)	California Institute of Technology
Dr. Mohamad Ali-Dib (CoI) (CSA Member)	Universite de Montreal
Daniel Peter Thorngren (CoI)	The Johns Hopkins University
Dr. Alban Ceau (CoI) (ESA Member)	Observatoire de la Cote d'Azur

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
NIRCam F480M/F150W				
	52	WISE-0304	NIRCam Imaging	(52) WISE-0304-27
	53	WISE-0336	NIRCam Imaging	(53) WISE-0336-01
	55	WISE-0359	NIRCam Imaging	(4) WISE-0359-54
	56	WISE-0410	NIRCam Imaging	(5) WISE-0410+15
	57	WISE-0535	NIRCam Imaging	(6) WISE-0535-75
	58	WISE-0647	NIRCam Imaging	(7) WISE-0647-62
	59	WISE-0713	NIRCam Imaging	(8) WISE-0713-29
	60	WISE-0734	NIRCam Imaging	(9) WISE-0734-71
	61	WISE-0825	NIRCam Imaging	(10) WISE-0825+28
	62	WISE-0830	NIRCam Imaging	(54) WISE-0830+28
	63	WISE-1141	NIRCam Imaging	(12) WISE-1141-33
	64	WISE-1206	NIRCam Imaging	(13) WISE-1206+84
	65	WISE-1405	NIRCam Imaging	(15) WISE-1405+55
	66	WISE-1446	NIRCam Imaging	(55) WISE-1446-23
	67	WISE-1541	NIRCam Imaging	(17) WISE-1541-22
	68	WISE-1639	NIRCam Imaging	(18) WISE-1639-68
	69	WISE-1738	NIRCam Imaging	(19) WISE-1738+27
	74	WISE-1738	NIRCam Imaging	(19) WISE-1738+27
	70	WISE-2056	NIRCam Imaging	(21) WISE-2056+14
	72	WISE-2220	NIRCam Imaging	(23) WISE-2220-36
	73	WISE-2354	NIRCam Imaging	(24) WISE-2354+02

ABSTRACT

The WISE infrared survey uncovered the coolest sub-stellar objects, brown dwarfs of type "Y", and a precious set of ~25 Y-dwarfs have been spectroscopically confirmed to date. These brown dwarfs personify the extremes and are the coolest (<500 K), least massive (5-30 MJup) and, surprisingly, most abundant sub-stellar objects (Kirkpatrick et al. 2019). But Y dwarfs are extremely hard to study from the ground, i.e. they have limited light output below 4 microns and the Earth's atmosphere is opaque near the peak of their spectral energy distribution at 5 microns. Are Y dwarfs single or can they support companions? Is there a minimum companion mass? Can giant planets be formed around Y dwarfs? We propose to unleash JWST's potential by determining the multiplicity rate for a sample of 20 Y-dwarfs with sub Jupiter-mass sensitivity. Using a powerful technique for analyzing NIRCcam images, Kernel phase interferometry, we will search for companions with large magnitude differences at sub-AU resolution. We will measure the Y-dwarfs companion-to-host mass ratio distribution, q , to unprecedented low values ($q < 0.1$), constrain the orbital distribution of companions down to ~ 0.5 AU and be sensitive to potential giant planets. We expect an average yield of 3 companions. This survey could discover an object cooler than 250 K, thereby bridging the gap between the coldest known Y dwarf, WISE 0855 (250 K) and Jupiter (130 K). The determination of dynamical masses, vital for advancing our knowledge of Y dwarfs, will be possible within JWST's lifetime. The goals of our observational program can only be achieved with JWST because of its exquisite sensitivity at 5 microns.

OBSERVING DESCRIPTION

We will perform full frame imaging with NIRCcam in the F480M and F150W filters with a 5-point small-grid-dither pattern. We aim for 50% full well depth in each integration and integrate to accumulate $1e+7$ photo-electrons per target in the F480M filter. We will use the Kernel phase interferometry analysis method. Our survey contains 20 targets, to be observed in 5 groups of 4 such that singles can be used as self calibrator stars. Each group of 4 targets needs to be observed within 3 days to minimize OTE wavefront drift. The F150W observations will provide color information to reject background sources.

Proposal 2473 - Targets - Multiplicity Survey of 20 Y Dwarfs with NIRCam Kernel Phase Interferometry

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
Fixed Targets	(4)	WISE-0359-54 RA: 03 59 34.0670 (59.8919458d) Dec: -54 01 54.64 (-54.03184d) Equinox: J2000	Proper Motion RA: -143 mas/yr Proper Motion Dec: -774.8 mas/yr Parallax: 0.0758" Epoch of Position: 2014.0	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>			
	Category=Star			
	Description=[Y dwarfs]			
	Extended=NO			
	(5)	WISE-0410+15 RA: 04 10 22.7130 (62.5946375d) Dec: +15 02 48.46 (15.04679d) Equinox: J2000	Proper Motion RA: 954.2 mas/yr Proper Motion Dec: -2213.3 mas/yr Parallax: 0.1502" Epoch of Position: 2014.0	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
Category=Star				
Description=[Y dwarfs]				
Extended=NO				
(6)	WISE-0535-75 RA: 05 35 16.8070 (83.8200292d) Dec: -75 00 24.92 (-75.00692d) Equinox: J2000	Proper Motion RA: -123.7 mas/yr Proper Motion Dec: 19.6 mas/yr Parallax: 0.0664" Epoch of Position: 2014.0		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
Category=Star				
Description=[Y dwarfs]				
Extended=NO				
(7)	WISE-0647-62 RA: 06 47 23.2300 (101.8467917d) Dec: -62 32 35.50 (-62.54319d) Equinox: J2000	Proper Motion RA: 2.2 mas/yr Proper Motion Dec: 387.9 mas/yr Parallax: 0.1003" Epoch of Position: 2014.0		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
Category=Star				
Description=[Y dwarfs]				
Extended=NO				
(8)	WISE-0713-29 RA: 07 13 22.5560 (108.3439833d) Dec: -29 17 51.96 (-29.29777d) Equinox: J2000	Proper Motion RA: 356.5 mas/yr Proper Motion Dec: -413.8 mas/yr Parallax: 0.1075" Epoch of Position: 2014		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
Category=Star				
Description=[Y dwarfs]				
Extended=NO				
(9)	WISE-0734-71 RA: 07 34 44.0220 (113.6834250d) Dec: -71 57 44.05 (-71.96224d) Equinox: J2000	Proper Motion RA: -565.5 mas/yr Proper Motion Dec: -78.9 mas/yr Parallax: 0.075" Epoch of Position: 2014		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
Category=Star				
Description=[Y dwarfs]				
Extended=NO				

Proposal 2473 - Targets - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

(10)	WISE-0825+28	RA: 08 25 7.3570 (126.2806542d) Dec: +28 05 48.56 (28.09682d) Equinox: J2000	Proper Motion RA: -63.1 mas/yr Proper Motion Dec: -232.8 mas/yr Parallax: 0.1558" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(12)	WISE-1141-33	RA: 11 41 56.2022 (175.4841758d) Dec: -33 26 35.91 (-33.44331d) Equinox: J2000	Proper Motion RA: -910.9 mas/yr Proper Motion Dec: -76.4 mas/yr Parallax: 0.1040" Epoch of Position: 2017.5
<p><i>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(13)	WISE-1206+84	RA: 12 06 4.3800 (181.5182500d) Dec: +84 01 10.60 (84.01961d) Equinox: J2000	Proper Motion RA: -575 mas/yr Proper Motion Dec: -255.7 mas/yr Parallax: 0.0819" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(15)	WISE-1405+55	RA: 14 05 18.3940 (211.3266417d) Dec: +55 34 21.40 (55.57261d) Equinox: J2000	Proper Motion RA: -2326.5 mas/yr Proper Motion Dec: 236.1 mas/yr Parallax: 0.1579" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[O dwarfs, Y dwarfs] Extended=NO</p>			
(17)	WISE-1541-22	RA: 15 41 51.6600 (235.4652500d) Dec: -22 50 24.99 (-22.84028d) Equinox: J2000	Proper Motion RA: -901.2 mas/yr Proper Motion Dec: -82.4 mas/yr Parallax: 0.1671" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(18)	WISE-1639-68	RA: 16 39 41.4197 (249.9225821d) Dec: -68 47 56.05 (-68.79890d) Equinox: J2000	Proper Motion RA: 578.1 mas/yr Proper Motion Dec: -3107.5 mas/yr Parallax: 0.2196" Epoch of Position: 2015.9
<p><i>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			

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(19)	WISE-1738+27	RA: 17 38 35.5340 (264.6480583d) Dec: +27 32 59.10 (27.54975d) Equinox: J2000	Proper Motion RA: 337.3 mas/yr Proper Motion Dec: -338.1 mas/yr Parallax: 0.131" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(21)	WISE-2056+14	RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000	Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Parallax: 0.1408" Epoch of Position: 2015.4
<p><i>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(23)	WISE-2220-36	RA: 22 20 55.4484 (335.2310350d) Dec: -36 28 18.04 (-36.47168d) Equinox: J2000	Proper Motion RA: 290.1 mas/yr Proper Motion Dec: -97.1 mas/yr Parallax: 0.0955" Epoch of Position: 2015.4
<p><i>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(24)	WISE-2354+02	RA: 23 54 2.7900 (358.5116250d) Dec: +02 40 14.10 (2.67058d) Equinox: J2000	Proper Motion RA: 491.1 mas/yr Proper Motion Dec: -393.1 mas/yr Parallax: 0.1241" Epoch of Position: 2014
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(52)	WISE-0304-27	RA: 03 04 49.0800 (46.2045000d) Dec: -27 05 6.42 (-27.08512d) Equinox: J2000	Proper Motion RA: 128.0 mas/yr Proper Motion Dec: 497.2 mas/yr Parallax: 0.0815" Epoch of Position: 2014.0
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO</p>			
(53)	WISE-0336-01	RA: 03 36 5.0062 (54.0208592d) Dec: -01 43 55.80 (-1.73217d) Equinox: J2000	Proper Motion RA: -257.8 mas/yr Proper Motion Dec: -1212.3 mas/yr Parallax: 0.099" Epoch of Position: 2014.0
<p><i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO</p>			

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(54)	WISE-0830+28	RA: 08 30 11.9577 (127.5498238d) Dec: +28 37 16.05 (28.62112d) Equinox: J2000	Proper Motion RA: -234.9 mas/yr Proper Motion Dec: -2040.6 mas/yr Parallax: 0.0902" Epoch of Position: 2017.0
<p><i>Comments: Need to find the Epoch in Catwise publication 2017.0 is just an estimate.</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO</p>			
(55)	WISE-1446-23	RA: 14 46 6.8161 (221.5284004d) Dec: -23 17 13.26 (-23.28702d) Equinox: J2000	Proper Motion RA: -794.3 mas/yr Proper Motion Dec: -964.8 mas/yr Parallax: 0.0992" Epoch of Position: 2017.0
<p><i>Comments: Should verify the epoch in the catwise publication. 2017 is an estimate.</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO</p>			

Proposal 2473 - Observation 52 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	Proposal 2473, Observation 52: WISE-0304 Diagnostic Status: Warning Observing Template: NIRCcam Imaging									
Diagnostics	(Visit 52:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(52)	WISE-0304-27	RA: 03 04 49.0800 (46.2045000d) Dec: -27 05 6.42 (-27.08512d) Equinox: J2000		Proper Motion RA: 128.0 mas/yr Proper Motion Dec: 497.2 mas/yr Parallax: 0.0815" Epoch of Position: 2014.0					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Y dwarfs] Extended=NO									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT2	10	5	25	5	5583.12	61944.7
Special Requirements	Offset 22.0 arcsec, -8.0 arcsec Group Observations 52, 53, 55, 56 within 3 Days									

Proposal 2473 - Observation 53 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 53: WISE-0336</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 53:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(53)	WISE-0336-01	RA: 03 36 5.0062 (54.0208592d) Dec: -01 43 55.80 (-1.73217d) Equinox: J2000		Proper Motion RA: -257.8 mas/yr Proper Motion Dec: -1212.3 mas/yr Parallax: 0.099" Epoch of Position: 2014.0					
	<p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	5	5	25	5	2630.509	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 52, 53, 55, 56 within 3 Days</p>									

Proposal 2473 - Observation 55 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 55: WISE-0359</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 55:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(4)	WISE-0359-54	RA: 03 59 34.0670 (59.8919458d) Dec: -54 01 54.64 (-54.03184d) Equinox: J2000		Proper Motion RA: -143 mas/yr Proper Motion Dec: -774.8 mas/yr Parallax: 0.0758" Epoch of Position: 2014.0					
	<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=[Y dwarfs]</i></p> <p><i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT2	10	5	25	5	5583.12	61944.7
Special Requirements	<p>After Date 23-SEP-2022:16:57</p> <p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Required</p> <p>Group Observations 52, 53, 55, 56 within 3 Days</p>									

Proposal 2473 - Observation 56 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 56: WISE-0410</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 56:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(5)	WISE-0410+15	RA: 04 10 22.7130 (62.5946375d) Dec: +15 02 48.46 (15.04679d) Equinox: J2000		Proper Motion RA: 954.2 mas/yr Proper Motion Dec: -2213.3 mas/yr Parallax: 0.1502" Epoch of Position: 2014.0					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	10	3	15	5	1717.883	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 52, 53, 55, 56 within 3 Days</p>									

Proposal 2473 - Observation 57 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 57: WISE-0535</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 57:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(6)	WISE-0535-75	RA: 05 35 16.8070 (83.8200292d) Dec: -75 00 24.92 (-75.00692d) Equinox: J2000		Proper Motion RA: -123.7 mas/yr Proper Motion Dec: 19.6 mas/yr Parallax: 0.0664" Epoch of Position: 2014.0					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT2	7	5	25	5	3972.605	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 57, 60, 73, 74 within 3 Days</p>									

Proposal 2473 - Observation 58 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 58: WISE-0647</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 58:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(7)	WISE-0647-62	RA: 06 47 23.2300 (101.8467917d) Dec: -62 32 35.50 (-62.54319d) Equinox: J2000		Proper Motion RA: 2.2 mas/yr Proper Motion Dec: 387.9 mas/yr Parallax: 0.1003" Epoch of Position: 2014.0					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	7	5	25	5	3704.186	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 58, 59, 61, 62 within 3 Days</p>									

Proposal 2473 - Observation 59 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 59: WISE-0713</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 59:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(8)	WISE-0713-29	RA: 07 13 22.5560 (108.3439833d) Dec: -29 17 51.96 (-29.29777d) Equinox: J2000		Proper Motion RA: 356.5 mas/yr Proper Motion Dec: -413.8 mas/yr Parallax: 0.1075" Epoch of Position: 2014					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	7	5	25	5	2093.67	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 58, 59, 61, 62 within 3 Days</p>									

Proposal 2473 - Observation 60 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 60: WISE-0734</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 60:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(9)	WISE-0734-71	RA: 07 34 44.0220 (113.6834250d) Dec: -71 57 44.05 (-71.96224d) Equinox: J2000		Proper Motion RA: -565.5 mas/yr Proper Motion Dec: -78.9 mas/yr Parallax: 0.075" Epoch of Position: 2014					
	<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=[Y dwarfs]</i></p> <p><i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	SHALLOW2	4	5	25	5	4777.863	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 57, 60, 73, 74 within 3 Days</p>									

Proposal 2473 - Observation 61 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 61: WISE-0825</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(10)	WISE-0825+28	RA: 08 25 7.3570 (126.2806542d) Dec: +28 05 48.56 (28.09682d) Equinox: J2000		Proper Motion RA: -63.1 mas/yr Proper Motion Dec: -232.8 mas/yr Parallax: 0.1558" Epoch of Position: 2014					
	<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=[Y dwarfs]</i></p> <p><i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	5	5	25	5	2630.509	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 58, 59, 61, 62 within 3 Days</p>									

Proposal 2473 - Observation 62 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 62: WISE-0830</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(54)	WISE-0830+28	RA: 08 30 11.9577 (127.5498238d) Dec: +28 37 16.05 (28.62112d) Equinox: J2000		Proper Motion RA: -234.9 mas/yr Proper Motion Dec: -2040.6 mas/yr Parallax: 0.0902" Epoch of Position: 2017.0					
	<p>Comments: Need to find the Epoch in Catwise publication 2017.0 is just an estimate.</p> <p>Category=Star</p> <p>Description=[Brown dwarfs, Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	SHALLOW2	6	5	25	5	7462.055	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 58, 59, 61, 62 within 3 Days</p>									

Proposal 2473 - Observation 63 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 63: WISE-1141</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(12)	WISE-1141-33	RA: 11 41 56.2022 (175.4841758d) Dec: -33 26 35.91 (-33.44331d) Equinox: J2000		Proper Motion RA: -910.9 mas/yr Proper Motion Dec: -76.4 mas/yr Parallax: 0.1040" Epoch of Position: 2017.5					
	<p>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	5	5	25	5	2630.509	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 63, 68, 70, 72 within 7 Days</p>									

Proposal 2473 - Observation 64 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 64: WISE-1206</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(13)	WISE-1206+84	RA: 12 06 4.3800 (181.5182500d) Dec: +84 01 10.60 (84.01961d) Equinox: J2000		Proper Motion RA: -575 mas/yr Proper Motion Dec: -255.7 mas/yr Parallax: 0.0819" Epoch of Position: 2014					
	<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=[Y dwarfs]</i></p> <p><i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT2	8	5	25	5	4509.443	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 64, 65, 66, 67 within 3 Days</p>									

Proposal 2473 - Observation 65 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 65: WISE-1405</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 65:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(15)	WISE-1405+55	RA: 14 05 18.3940 (211.3266417d) Dec: +55 34 21.40 (55.57261d) Equinox: J2000		Proper Motion RA: -2326.5 mas/yr Proper Motion Dec: 236.1 mas/yr Parallax: 0.1579" Epoch of Position: 2014					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[O dwarfs, Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	7	4	20	5	1664.199	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 64, 65, 66, 67 within 3 Days</p>									

Proposal 2473 - Observation 66 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 66: WISE-1446</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 66:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(55)	WISE-1446-23	RA: 14 46 6.8161 (221.5284004d) Dec: -23 17 13.26 (-23.28702d) Equinox: J2000		Proper Motion RA: -794.3 mas/yr Proper Motion Dec: -964.8 mas/yr Parallax: 0.0992" Epoch of Position: 2017.0					
	<p>Comments: Should verify the epoch in the catwise publication. 2017 is an estimate.</p> <p>Category=Star</p> <p>Description=[Brown dwarfs, Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	SHALLOW2	7	5	25	5	8804.151	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 64, 65, 66, 67 within 3 Days</p>									

Proposal 2473 - Observation 67 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 67: WISE-1541</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 67:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(17)	WISE-1541-22	RA: 15 41 51.6600 (235.4652500d) Dec: -22 50 24.99 (-22.84028d) Equinox: J2000		Proper Motion RA: -901.2 mas/yr Proper Motion Dec: -82.4 mas/yr Parallax: 0.1671" Epoch of Position: 2014					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	8	4	20	5	1878.935	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 64, 65, 66, 67 within 3 Days</p>									

Proposal 2473 - Observation 68 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 68: WISE-1639</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 68:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(18)	WISE-1639-68	RA: 16 39 41.4197 (249.9225821d) Dec: -68 47 56.05 (-68.79890d) Equinox: J2000		Proper Motion RA: 578.1 mas/yr Proper Motion Dec: -3107.5 mas/yr Parallax: 0.2196" Epoch of Position: 2015.9					
	<p>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	3	5	25	5	1019.993	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 63, 68, 70, 72 within 7 Days</p>									

Proposal 2473 - Observation 69 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 69: WISE-1738</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 69:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(19)	WISE-1738+27	RA: 17 38 35.5340 (264.6480583d) Dec: +27 32 59.10 (27.54975d) Equinox: J2000		Proper Motion RA: 337.3 mas/yr Proper Motion Dec: -338.1 mas/yr Parallax: 0.131" Epoch of Position: 2014					
	<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	7	5	25	5	2093.67	61944.7
Special Requirements	Offset 22.0 arcsec, -8.0 arcsec									

Proposal 2473 - Observation 74 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 74: WISE-1738</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p> <p><i>Comments: This is a copy of visit 69.</i></p>									
Diagnostics	(Visit 74:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(19)	WISE-1738+27	RA: 17 38 35.5340 (264.6480583d) Dec: +27 32 59.10 (27.54975d) Equinox: J2000		Proper Motion RA: 337.3 mas/yr Proper Motion Dec: -338.1 mas/yr Parallax: 0.131" Epoch of Position: 2014					
	<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=[Y dwarfs]</i></p> <p><i>Extended=NO</i></p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	7	5	25	5	2093.67	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 57, 60, 73, 74 within 3 Days</p>									

Proposal 2473 - Observation 70 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 70: WISE-2056</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 70:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(21)	WISE-2056+14	RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000		Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Parallax: 0.1408" Epoch of Position: 2015.4					
	<p>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	RAPID	5	5	25	5	1556.832	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 63, 68, 70, 72 within 7 Days</p>									

Proposal 2473 - Observation 72 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	<p>Proposal 2473, Observation 72: WISE-2220</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 72:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(23)	WISE-2220-36	RA: 22 20 55.4484 (335.2310350d) Dec: -36 28 18.04 (-36.47168d) Equinox: J2000		Proper Motion RA: 290.1 mas/yr Proper Motion Dec: -97.1 mas/yr Parallax: 0.0955" Epoch of Position: 2015.4					
	<p>Comments: Position, PM and parallax updated from Kirkpatrick 2021 (Loic March 28 2023)</p> <p>Category=Star</p> <p>Description=[Y dwarfs]</p> <p>Extended=NO</p>									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		5	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	6	5	25	5	3167.347	61944.7
Special Requirements	<p>Offset 22.0 arcsec, -8.0 arcsec</p> <p>Group Observations 63, 68, 70, 72 within 7 Days</p>									

Proposal 2473 - Observation 73 - Multiplicity Survey of 20 Y Dwarfs with NIRCcam Kernel Phase Interferometry

Thu May 18 21:01:10 GMT 2023

Observation	Proposal 2473, Observation 73: WISE-2354 Diagnostic Status: Warning Observing Template: NIRCcam Imaging									
Diagnostics	(Visit 73:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(24)	WISE-2354+02	RA: 23 54 2.7900 (358.5116250d) Dec: +02 40 14.10 (2.67058d) Equinox: J2000		Proper Motion RA: 491.1 mas/yr Proper Motion Dec: -393.1 mas/yr Parallax: 0.1241" Epoch of Position: 2014					
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Y dwarfs] Extended=NO									
Template	Module		Subarray			Target Placement				
	B		FULL			Module Gap				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				SMALL-GRID-DITHER				5
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F480M	BRIGHT1	7	5	25	5	3704.186	61944.7
Special Requirements	Offset 22.0 arcsec, -8.0 arcsec Group Observations 57, 60, 73, 74 within 3 Days									