



4524 - The Physics of Brown Dwarfs – Part #4

Cycle: 3, Proposal Category: GTO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		NIRSpec Fixed Slit Spectroscopy	(1) ic348-1

ABSTRACT

We will obtain a spectrum of a new young brown dwarf in IC348 with the high resolution grating at 3-5um.

OBSERVING DESCRIPTION

NIRSpec observation of a young brown dwarf with S200A1 and G235M and G395M.

Proposal 4524 - Targets - The Physics of Brown Dwarfs – Part #4

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	ic348-1	RA: 03 44 44.9594 (56.1873308d) Dec: +32 08 37.51 (32.14375d) Equinox: J2000 <i>Comments: F140M NIRCcam magnitude 20.65 0.02</i> <i>F162M NIRCcam magnitude 19.77 0.02</i> <i>F182M NIRCcam magnitude 19.59 0.02</i> <i>F277W NIRCcam magnitude 19.05 0.02</i> <i>F360M NIRCcam magnitude 18.45 0.02</i> <i>F444W NIRCcam magnitude 17.85 0.02</i> Category=Star Description=[Brown dwarfs] Extended=NO	Epoch of Position: 2022	

Proposal 4524 - Observation 1 - The Physics of Brown Dwarfs – Part #4

Wed Jun 25 19:00:09 GMT 2025

Observation	Proposal 4524, Observation 1 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy										
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
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Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 ic348-1	WATA	SUB2048	F140X	NRSRAPIDD6	3	1	1	14.452	250019
Template	HFF Readout Mode				Slit			Subarray			
	false				S200A1			SUBS200A1			
Dithers	#	Primary Dither Positions						Sub-Pixel Pattern			
	1	3						NONE			
Spectral Elements	#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Ex #	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	S200A1	NRSRAPID	320	1	1	NONE	3	3	1500.415
	2	G235M/F170LP	S200A1	NRSRAPID	320	1	2	NONE	3	3	1500.415