



1229 - The Physics of Brown Dwarfs - Part #2

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
NIRCam pre-imaging observations				
	1	NIRCam mosaic	NIRCam Imaging	(1) IC348-MOSAIC
NIRSpec MOS spectroscopic follow-up				
	4	ic348a, ic348b	NIRSpec MultiObject Spectroscopy	(2) TARGETS

ABSTRACT

This NIRSpec/JWST proposal, is divided into two complementary programs. In the first program, we propose to obtain low and medium resolution near-IR spectra of known and candidate brown dwarfs in two nearby star-forming clusters that are representative of different star formation environments.

NIRSpec proposal ID: R65.20 and R65.30

The observations can be acquired in either of the two possible visibility windows, but the NIRCcam pre-imaging observations should be scheduled in the first visibility window of the Cycle to allow for the NIRSpec spectroscopy to be taken within the same Cycle.

OBSERVING DESCRIPTION

We will acquire NIRCcam pre-imaging followed by low and medium resolution MOS/NIRSpec observations in the IC 348 cluster, including parallel observations.

Proposal 1229 - Targets - The Physics of Brown Dwarfs - Part #2

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	IC348-MOSAIC	RA: 03 44 34.2800 (56.1428333d) Dec: +32 09 43.10 (32.16197d) Equinox: J2000 <i>Comments:</i> Category=Stellar Cluster Description=[Young star clusters]		
	(2)	TARGETS	RA: 03 44 34.4141 (56.1433921d) Dec: +32 09 59.56 (32.16654d) Equinox: J2000 <i>Comments:</i> Description=[]		

Proposal 1229 - Observation 1 - The Physics of Brown Dwarfs - Part #2

Fri Jan 06 18:00:33 GMT 2023

Observation	Proposal 1229, Observation 1: NIRCam mosaic Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Imaging									
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 1:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Diagnosics										
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<i>Comments:</i> Category=Stellar Cluster Description=[Young star clusters]										
Template	NIRCam Imaging					NIRISS Imaging				
	Module: ALL Subarray: FULL									
Mosaic	Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order			
	2	1	10.0	60.526	0.0	3.158	DEFAULT			
Dithers	#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes			
	1	FULLBOX	2TIGHTGAPS		1	NIRCam Only	NO_DITHERING			
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F140M	F277W	SHALLOW4	3	1	2	2	300.63	
	2	F162M+F150W2	F360M	SHALLOW4	3	1	2	2	300.63	
	3	F182M	F444W	SHALLOW4	3	1	2	2	300.63	
Spectral Elements	NIRISS Imaging	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	F140M		NISRAPID	13	1	2	2	300.63	
	2	F277W		NISRAPID	13	1	2	2	300.63	
	3	F444W		NISRAPID	13	1	2	2	300.63	

Proposal 1229 - Observation 1 - The Physics of Brown Dwarfs - Part #2

Special Requirements

Sequence Visits , Non-interruptible
Visits Same PA
No Parallel Attachments
4 After 1 by 60.0 Days to 277 Days

Proposal 1229 - Observation 4 - The Physics of Brown Dwarfs - Part #2

Fri Jan 06 18:00:33 GMT 2023

Observation	<p>Proposal 1229, Observation 4: ic348a, ic348b</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p> <p>Coordinated Parallel Template(s): NIRCam Imaging</p>																																																												
	<p>(Visit 4:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																																												
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Proposal 1229 - Observation 4 - The Physics of Brown Dwarfs - Part #2

Spectral Elements	NIRSpec	Exposure	MSA	Nod Pattern	Pointing	Aperture PA	Dispersion Offset	Cross-Dispersion	Total Dithers	Total	Total Exposure
	MultiObject Spectroscopy	Specification	Configuration				(Shutters)	Offset (Shutters)		Integrations	Time
1		1 (PRISM/CLEAR)	c1 : ic348a	3 Shutter Slitlet	56.142670833333 334 Degrees 32.140386111111 11 Degrees	220.57423856870 05			3	3	4070.3
2		1 (PRISM/CLEAR)	c1 : ic348b	3 Shutter Slitlet	56.123926 Degrees 32.133151944444 44 Degrees	220.56426943051 15			3	3	4070.3
Spectral Elements	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID	
	1	F162M+F150W2	F360M	DEEP8	6	1	3	3	3478.713		
2	F162M+F150W2	F444W		DEEP8	6	1	3	3	3478.713		
Special Requirements	No Parallel Attachments MSA Scheduled Aperture PA 220.5745697 to 220.5745697 Degrees (V3 82.0 to 82.0) 4 After 1 by 60.0 Days to 277 Days										