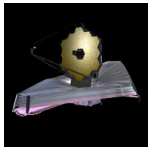

1228 - The Physics of Brown Dwarfs - Part #1

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	3	onc1, onc2	NIRSpec MultiObject Spectroscopy	(1) 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: R65.10

The observations can be acquired in any of the two possible visibility windows in the Cycle, but preferencially we would like them to be taken in the

earliest window in the Cycle.

OBSERVING DESCRIPTION

We will acquire low and medium resolution MOS/NIRSpec observations in the ONC, including parallel observations.

The observations can be acquired in any of the two possible visibility windows in the Cycle, but preferencially we would like them to be taken in the earliest window in the Cycle.

Proposal 1228 - Targets - The Physics of Brown Dwarfs - Part #1

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	TARGETS	RA: 05 35 16.5344 (83.8188933d) Dec: -05 23 2.37 (-5.38399d) Equinox: J2000		

Comments:
Description=[]

Observation

Proposal 1228, Observation 3: onc1, onc2 Mon Jan 16 09:00:32 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 3:1) Warning (Form): The recommended value is 8 Reference Stars for this template.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	TARGETS	RA: 05 35 16.5344 (83.8188933d) Dec: -05 23 2.37 (-5.38399d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: F110W; Readout: NRSRAPID; 7 sources in 4 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	
Primary Candidate List: primary (97 sources)	
Filler Candidate List: filler (86 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	646	83.823399	-5.370148	19.705	1	902	83.799388	-5.345373	21.097
1	712	83.847573	-5.344248	21.484	1	914	83.830253	-5.320031	20.651
1	721	83.826242	-5.357769	20.046	1	919	83.826415	-5.321584	21.671
1	820	83.842570	-5.330797	21.184					

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	c1 : onc1	3 Shutter Slitlet	83.82336383333333 Degrees - 5.3435630555555 35 Degrees	220.28158651426972			3	18	1159.571
2	1 (PRISM/CLEAR)	c1 : onc2	3 Shutter Slitlet	83.81615891666667 Degrees - 5.3471469444444 32 Degrees	220.28226799759 77			3	18	1159.571

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	SHALLOW2	7	1	3	3	1030.73	
2	F162M+F150W2	F444W	SHALLOW2	7	1	3	3	1030.73	

Special Requirements

No Parallel Attachments
MSA Scheduled Aperture PA 220.2820897 to 220.2820897 Degrees (V3 81.70752 to 81.70752)