



4493 - CAL-MIRI-293 MIRI coronagraph full-frame flux calibration

Cycle: 2, Proposal Category: CAL/MIRI

INVESTIGATORS

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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	HD 2811 MIRI full-frame coron	MIRI External Flat	(1) HD2811

ABSTRACT

Observations of a standard star with the four coronagraphic filters in the imaging field using full-frame readout will provide a photometric calibration for science observations in the same configuration. For each filter, we will obtain a subarray calibration transfer from the coronagraphic subarrays to the full-array readout. For the F1065C, F1140C, and F1550C filters, the new observations will also account for the fact that the four-quadrant phase masks are not in the optical path to the imaging field.

This calibration program may change in response to system developments and the final Cycle 2 science program.

OBSERVING DESCRIPTION

This activity consists of a single observation of the standard star HD 2811, using all 4 coronagraphic filters, but with full-frame readout.

No constraints have been placed on the time when the observation is obtained.

Proposal 4493 - Targets - CAL-MIRI-293 MIRI coronagraph full-frame flux calibration

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	HD2811	RA: 00 31 18.4899 (7.8270413d) Dec: -43 36 23.00 (-43.60639d) Equinox: J2000	Proper Motion RA: -6.008 mas/yr Proper Motion Dec: -4.326 mas/yr Parallax: 0.003799" Epoch of Position: 2000.0	
	<i>Comments: Position from Gaia EDR3</i> <i>Spectral type: A3 V</i> <i>Category=Star</i> <i>Description=[A dwarfs]</i> <i>Extended=NO</i>				

Proposal 4493 - Observation 1 - CAL-MIRI-293 MIRI coronagraph full-frame flux calibration

Mon May 01 23:02:15 GMT 2023

Observation	<p>Proposal 4493, Observation 1: HD 2811 MIRI full-frame coron</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI External Flat</p>												
Diagnostics	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
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Template	Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray							
	PRIME	IMAGER	true	OFF ONLY	0	BRIGHTSKY							
Dithers	#	Dither Type	Starting Point	Number of Points	Pattern Size								
	1	CYCLING	1	4	LARGE								
Spectral Elements	#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	F1065C			FASTR1	16	1	1	4	4	55.378	
	2	IMAGER	F1140C			FASTR1	16	1	1	4	4	55.378	
	3	IMAGER	F1550C			FASTR1	16	1	1	4	4	55.378	
	4	IMAGER	F2300C			FASTR1	280	1	1	4	4	969.114	
Special Requirements	No Parallel Attachments												