



6624 - CAL-MIRI-345 MIRI Coronagraph Offset TA Validation

Cycle: 3, Proposal Category: CAL/MIRI

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Jonathan Aguilar (PI)	Space Telescope Science Institute
Bryony Nickson (CoI)	Space Telescope Science Institute
Dr. Dean C. Hines (CoI)	Space Telescope Science Institute

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		MIRI Coronagraphic Imaging	(1) HD167855A
	2		MIRI Coronagraphic Imaging	(2) HD167855B

ABSTRACT

New to APT v2024.1 is the ability to perform target acquisition on a separate target with MIRI coronagraphy. This program performs a simple test to confirm the planning and scheduling software correctly computes the required slews, and the telescope is correctly commanded.

This calibration program is provisional and may change in response to system developments and final science program.

OBSERVING DESCRIPTION

Two observations using the new Offset TA tool. One observation of HD 167855 A with B selected as the TA star, and one observation of HD 167855 B with A selected as the TA star.

Proposal 6624 - Targets - CAL-MIRI-345 MIRI Coronagraph Offset TA Validation

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	HD167855A	RA: 18 11 15.2709 (272.8136288d) Dec: +69 15 0.27 (69.25007d) Equinox: J2000	Proper Motion RA: 10.7067 mas/yr Proper Motion Dec: 30.4788 mas/yr Parallax: 0.0082679" Epoch of Position: 2016.0	
	<i>Comments:</i> Category=Calibration Description=[Binary stars, G stars] Extended=NO				
(2)	HD167855B	RA: 18 11 14.9161 (272.8121504d) Dec: +69 14 56.34 (69.24898d) Equinox: J2000	Proper Motion RA: 9.4049 mas/yr Proper Motion Dec: 30.9726 mas/yr Parallax: 0.0082638" Epoch of Position: 2016.0		
	<i>Comments:</i> Category=Calibration Description=[Binary stars, G stars] Extended=NO				

Proposal 6624 - Observation 1 - CAL-MIRI-345 MIRI Coronagraph Offset TA Validation

Thu Apr 25 23:00:18 GMT 2024

Observation	Proposal 6624, Observation 1 Diagnostic Status: Warning Observing Template: MIRI Coronagraphic Imaging																																					
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Proposal 6624 - Observation 1 - CAL-MIRI-345 MIRI Coronagraph Offset TA Validation

PSF References	Additional Justification: false
Special Requirements	No Parallel Attachments

Proposal 6624 - Observation 2 - CAL-MIRI-345 MIRI Coronagraph Offset TA Validation

Thu Apr 25 23:00:18 GMT 2024

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