



# 1278 - MIRI Spectroscopic Observations of Brown Dwarfs

Cycle: 1, Proposal Category: GTO

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Dr. Pierre-Olivier Lagage (PI) (ESA Member)</b>	<b>Commissariat a l'Energie Atomique (CEA)</b>
Prof. David Barrado Navascues (CoI) (ESA Member) (Contact)	Centro de Astrobiologia (CSIC/INTA) Inst. Nac. de Tec. Aero.

## OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Brown Dwarf				
	37	WISEPCJ121756	MIRI Medium Resolution Spectroscopy	(1) WISEPCJ121756
	38	EPSIND	MIRI Medium Resolution Spectroscopy	(2) EPSIND
	40	WISEPAJ173835	MIRI Medium Resolution Spectroscopy	(3) WISEPAJ173835

## ABSTRACT

This is part of a program to characterize of a sequence of brown dwarf atmospheres in the mid-InfraRed.

## OBSERVING DESCRIPTION

We will perform MIRI MRS observations.

## Proposal 1278 - Targets - MIRI Spectroscopic Observations of Brown Dwarfs

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WISEPCJ121756	RA: 12 17 56.9100 (184.4871250d) Dec: +16 26 40.20 (16.44450d) Equinox: J2000	Proper Motion RA: 935 mas/yr Proper Motion Dec: -1497 mas/yr Epoch of Position: 2000.0	
<i>Comments: T9+Y0</i> <i>Category=Star</i> <i>Description=[Brown dwarfs]</i> <i>Extended=NO</i>				
(2)	EPSIND	RA: 22 04 10.5951 (331.0441463d) Dec: -56 46 58.24 (-56.78284d) Equinox: J2000	Proper Motion RA: 3981.977 mas/yr Proper Motion Dec: -2466.832 mas/yr Parallax: 0.2706580" Epoch of Position: 2016	
<i>Comments: T1V+T6V, 0.8 arcsec separation</i> <i>Category=Star</i> <i>Description=[Brown dwarfs]</i> <i>Extended=NO</i>				
(3)	WISEPAJ173835	RA: 17 38 35.6600 (264.6485833d) Dec: +27 32 57.17 (27.54921d) Equinox: J2000	Proper Motion RA: 337.1 mas/yr Proper Motion Dec: -343.4 mas/yr Parallax: 0.1309" Epoch of Position: 2015.1959	
<i>Comments: Y0</i> <i>Category=Star</i> <i>Description=[Brown dwarfs]</i> <i>Extended=NO</i>				

Fixed Targets

Proposal 1278 - Observation 37 - MIRI Spectroscopic Observations of Brown Dwarfs

Sat Jul 01 23:00:57 GMT 2023

<b>Observation</b>	<b>Proposal 1278, Observation 37: WISEPCJ121756</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy																																																																																																																																													
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Proposal 1278 - Observation 38 - MIRI Spectroscopic Observations of Brown Dwarfs

Sat Jul 01 23:00:57 GMT 2023

<b>Observation</b>	<b>Proposal 1278, Observation 38: EPSIND</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy <i>Comments: The system is binary, with a separation of .8 arcsec . This can cause problems for target acquisition. Making target acquisition with another star may be needed. Given the dithering, to keep always both sources in the field, it may be needed to have as coordinates : the middle of the two objects.</i>																																																																																																																																													
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Proposal 1278 - Observation 40 - MIRI Spectroscopic Observations of Brown Dwarfs

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