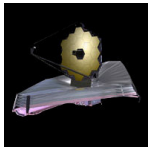

8683 - MIRI spectroscopy of high ionisation stellar wind emission lines: Solving the weak wind problem in late O-type stars

Cycle: 4, Proposal Category: GO

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
HD 326329				
	1		MIRI Medium Resolution Spectroscopy	(1) HD-326329
HD 216532				
	2		MIRI Medium Resolution Spectroscopy	(3) HD-216532

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
HD 135591				
	3		MIRI Medium Resolution Spectroscopy	(5) HD-135591
HD 34078				
	4		MIRI Medium Resolution Spectroscopy	(6) HD-34078
HD 36861				
	5		MIRI Medium Resolution Spectroscopy	(7) -lam-Ori-A
HD 24431				
	6		MIRI Medium Resolution Spectroscopy	(10) HD-24431
HD 42088				
	7		MIRI Medium Resolution Spectroscopy	(11) HD-42088
HD 46202				
	8		MIRI Medium Resolution Spectroscopy	(13) HD-46202
HD 209339				
	9		MIRI Medium Resolution Spectroscopy	(12) HD-209339
HD 149757				
	10		MIRI Medium Resolution Spectroscopy	(4) -zet-Oph
HD 46056				
	11		MIRI Medium Resolution Spectroscopy	(14) HD-46056
HD 48279				
	12		MIRI Medium Resolution Spectroscopy	(15) HD-48279
HD 207538				
	13		MIRI Medium Resolution Spectroscopy	(16) HD-207538
HD 54879				
	14		MIRI Medium Resolution Spectroscopy	(17) HD-54879
HD 36512				
	15		MIRI Medium Resolution Spectroscopy	(18) -ups-Ori
HD 76341				
	16		MIRI Medium Resolution Spectroscopy	(19) HD-76341

ABSTRACT

One of the biggest unsolved mysteries in the study of massive stars is the sudden weakening of spectroscopic wind emission signatures below a luminosity of log(L/Lsol) = 5.2. This phenomenon was first identified 20 years ago, and has been labeled the 'weak-wind' problem as

hydrodynamical simulations of O-type star atmospheres (which match observations above log(L/Lsol) = 5.2) predict mass-loss rates two orders of magnitude higher than those required to reproduce the observed optical and UV spectra. A breakthrough moment is now happening with the detection of highly ionised fine structure emission lines (of [Ne VI], [Ne V] and [O IV]) formed in the stellar wind of late O-type stars with JWST/MIRI. These lines provide strong, independent constraints on the stellar mass-loss rate and terminal wind speed of the 'weak-wind' O9V star 10 Lac. Here we propose a MIRI spectroscopic survey of 16 late O-type stars covering a range of luminosities (log(L/Lsol) = 4.7 - 5.2) which will allow us to constrain the true mass-loss rates and terminal wind speeds in the domain of the 'weak-wind' problem. We will gain new insights into the strength and structure of the winds of low-luminosity O-type stars with broad implications in our understanding of stellar evolution, feedback, CCSN progenitors and UCHII regions.

OBSERVING DESCRIPTION

This programme aims to obtain high S/N spectra of 16 late-type O stars using JWST/MIRI MRS. We will cover the full wavelength range from 5-28 micron using all three grating settings, SHORT (A), MEDIUM (B), and LONG (C), with the FASTR1 readout mode.
We will use a 4-point dither strategy. Background observations are not necessary given that these are point sources.
Our sample covers a range in K-band magnitude from 2.6 to 8.8 mag.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HD-326329	RA: 16 54 14.1033 (253.5587637d) Dec: -41 50 8.50 (-41.83569d) Equinox: J2000	Proper Motion RA: -0.532 mas/yr Proper Motion Dec: -2.273000040986517 mas/yr Parallax: 6.213E-4" Epoch of Position: 2000	
		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.* *Category=Star* *Description=[O dwarfs]*		
(3)	HD-216532	RA: 22 52 30.5558 (343.1273158d) Dec: +62 26 25.95 (62.44054d) Equinox: J2000	Proper Motion RA: -1.527 mas/yr Proper Motion Dec: -2.799000071718183 mas/yr Parallax: 0.0013157000000000002" Epoch of Position: 2000	
		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.* *Category=Star* *Description=[O dwarfs]*		
(4)	-zet-Oph	RA: 16 37 9.5401 (249.2897504d) Dec: -10 34 1.51 (-10.56709d) Equinox: J2000	Proper Motion RA: 10.465 mas/yr Proper Motion Dec: 24.742 mas/yr Parallax: 0.0074088" Epoch of Position: 2000	
		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.* *Category=Star* *Description=[O dwarfs]*		
(5)	HD-135591	RA: 15 18 49.1433 (229.7047638d) Dec: -60 29 46.80 (-60.49633d) Equinox: J2000	Proper Motion RA: -3.109 mas/yr Proper Motion Dec: -3.779999929065525 mas/yr Parallax: 0.0012091" Epoch of Position: 2000	
		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.* *Category=Star* *Description=[O dwarfs]*		
(6)	HD-34078	RA: 05 16 18.1493 (79.0756221d) Dec: +34 18 44.34 (34.31232d) Equinox: J2000	Proper Motion RA: -4.747 mas/yr Proper Motion Dec: 43.538 mas/yr Parallax: 0.002574" Epoch of Position: 2000	
		Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.* *Category=Star* *Description=[O dwarfs]*		

(7)	-lam-Ori-A	RA: 05 35 8.2761 (83.7844837d)	Proper Motion RA: 2.896 mas/yr
		Dec: +09 56 2.99 (9.93416d)	Proper Motion Dec: -3.1829998988541774 mas/yr
		Equinox: J2000	Parallax: 0.0025935999999999997"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O giants]

(10)	HD-24431	RA: 03 55 38.4222 (58.9100925d)	Proper Motion RA: -1.7659999999999998 mas/yr
		Dec: +52 38 28.75 (52.64132d)	Proper Motion Dec: -0.05199992756388383 mas/yr
		Equinox: J2000	Parallax: 0.0010377000000000001"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O giants]

(11)	HD-42088	RA: 06 09 39.5728 (92.4148867d)	Proper Motion RA: 0.251 mas/yr
		Dec: +20 29 15.45 (20.48763d)	Proper Motion Dec: -2.48499998178886 mas/yr
		Equinox: J2000	Parallax: 5.777E-4"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(12)	HD-209339	RA: 22 00 39.2649 (330.1636037d)	Proper Motion RA: -1.45 mas/yr
		Dec: +62 29 16.06 (62.48779d)	Proper Motion Dec: -2.3819999796614866 mas/yr
		Equinox: J2000	Parallax: 0.0010386"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(13)	HD-46202	RA: 06 32 10.4707 (98.0436279d)	Proper Motion RA: -1.929 mas/yr
		Dec: +04 57 59.76 (4.96660d)	Proper Motion Dec: -0.22299996089714114 mas/yr
		Equinox: J2000	Parallax: 7.087E-4"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(14)	HD-46056	RA: 06 31 20.8608 (97.8369200d)	Proper Motion RA: -1.8610000000000002 mas/yr
		Dec: +04 50 3.84 (4.83440d)	Proper Motion Dec: 0.095 mas/yr
		Equinox: J2000	Parallax: 6.744E-4"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(15)	HD-48279	RA: 06 42 40.5471 (100.6689463d)	Proper Motion RA: -2.245 mas/yr
		Dec: +01 42 58.25 (1.71618d)	Proper Motion Dec: 1.7979999999999998 mas/yr
		Equinox: J2000	Parallax: 7.733999999999999E-4"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(16)	HD-207538	RA: 21 47 39.7897 (326.9157904d)	Proper Motion RA: -1.882 mas/yr
		Dec: +59 42 1.35 (59.70038d)	Proper Motion Dec: -2.534999998715648 mas/yr
		Equinox: J2000	Parallax: 0.0011773"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(17)	HD-54879	RA: 07 10 8.1488 (107.5339533d)	Proper Motion RA: -2.808 mas/yr
		Dec: -11 48 9.84 (-11.80273d)	Proper Motion Dec: 1.27 mas/yr
		Equinox: J2000	Parallax: 7.99E-4"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

(18)	-ups-Ori	RA: 05 31 55.8600 (82.9827500d)	Proper Motion RA: -0.704 mas/yr
		Dec: -07 18 5.54 (-7.30154d)	Proper Motion Dec: -4.884999975729443 mas/yr
		Equinox: J2000	Parallax: 0.0024567"
			Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

	(19)	HD-76341	RA: 08 54 0.6140 (133.5025583d) Dec: -42 29 8.76 (-42.48577d) Equinox: J2000	Proper Motion RA: -4.93 mas/yr Proper Motion Dec: 3.578 mas/yr Parallax: 8.821E-4" Epoch of Position: 2000

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Observation

Proposal 8683, Observation 1 Tue Mar 11 23:00:36 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Visit 1:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HD-326329	RA: 16 54 14.1033 (253.5587637d)	Proper Motion RA: -0.532 mas/yr	
		Dec: -41 50 8.50 (-41.83569d)	Proper Motion Dec: -2.273000040986517 mas/yr	
		Equinox: J2000	Parallax: 6.213E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SHORT(A)	MRSLONG		FASTR1	65	4	1	Dither 1	4	16	2919.342	
1	SHORT(A)	MRSSHORT		FASTR1	65	4	1	Dither 1	4	16	2919.342	
2	MEDIUM(B)	MRSLONG		FASTR1	65	4	1	Dither 1	4	16	2919.342	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	65	4	1	Dither 1	4	16	2919.342	
3	LONG(C)	MRSLONG		FASTR1	65	4	1	Dither 1	4	16	2919.342	
3	LONG(C)	MRSSHORT		FASTR1	65	4	1	Dither 1	4	16	2919.342	

Observation

Proposal 8683, Observation 2

Tue Mar 11 23:00:36 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 2) Warning (Form): Imager Filter overlap.

(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	HD-216532	RA: 22 52 30.5558 (343.1273158d)	Proper Motion RA: -1.527 mas/yr	
		Dec: +62 26 25.95 (62.44054d)	Proper Motion Dec: -2.799000071718183 mas/yr	
		Equinox: J2000	Parallax: 0.0013157000000000002"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	50	1	1	Dither 1	4	4	555.008	
1	SHORT(A)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	
1	SHORT(A)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	
2		IMAGER	F1000W	FASTR1	50	1	1	Dither 1	4	4	555.008	
2	MEDIUM(B)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	
3		IMAGER	F1280W	FASTR1	50	1	1	Dither 1	4	4	555.008	
3	LONG(C)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	
3	LONG(C)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	

Observation

Proposal 8683, Observation 3 Tue Mar 11 23:00:36 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 3) Warning (Form): Imager Filter overlap.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	HD-135591	RA: 15 18 49.1433 (229.7047638d)	Proper Motion RA: -3.109 mas/yr	
		Dec: -60 29 46.80 (-60.49633d)	Proper Motion Dec: -3.779999929065525 mas/yr	
		Equinox: J2000	Parallax: 0.0012091"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	20	1	1	Dither 1	4	4	222.003	
1	SHORT(A)	MRSLONG		FASTR1	20	1	1	Dither 1	4	4	222.003	
1	SHORT(A)	MRSSHORT		FASTR1	20	1	1	Dither 1	4	4	222.003	
2		IMAGER	F1000W	FASTR1	20	1	1	Dither 1	4	4	222.003	
2	MEDIUM(B)	MRSLONG		FASTR1	20	1	1	Dither 1	4	4	222.003	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	20	1	1	Dither 1	4	4	222.003	
3		IMAGER	F1280W	FASTR1	20	1	1	Dither 1	4	4	222.003	
3	LONG(C)	MRSLONG		FASTR1	20	1	1	Dither 1	4	4	222.003	
3	LONG(C)	MRSSHORT		FASTR1	20	1	1	Dither 1	4	4	222.003	

Observation

Proposal 8683, Observation 4 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 4) Warning (Form): Imager Filter overlap.

(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	HD-34078	RA: 05 16 18.1493 (79.0756221d)	Proper Motion RA: -4.747 mas/yr	
		Dec: +34 18 44.34 (34.31232d)	Proper Motion Dec: 43.538 mas/yr	
		Equinox: J2000	Parallax: 0.002574"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	16	1	1	Dither 1	4	4	177.603	
1	SHORT(A)	MRSLONG		FASTR1	16	1	1	Dither 1	4	4	177.603	
1	SHORT(A)	MRSSHORT		FASTR1	16	1	1	Dither 1	4	4	177.603	
2		IMAGER	F1000W	FASTR1	16	1	1	Dither 1	4	4	177.603	
2	MEDIUM(B)	MRSLONG		FASTR1	16	1	1	Dither 1	4	4	177.603	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	16	1	1	Dither 1	4	4	177.603	
3		IMAGER	F1280W	FASTR1	16	1	1	Dither 1	4	4	177.603	
3	LONG(C)	MRSLONG		FASTR1	16	1	1	Dither 1	4	4	177.603	
3	LONG(C)	MRSSHORT		FASTR1	16	1	1	Dither 1	4	4	177.603	

Observation

Proposal 8683, Observation 5

Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 5) Warning (Form): Imager Filter overlap.

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	-lam-Ori-A	RA: 05 35 8.2761 (83.7844837d)	Proper Motion RA: 2.896 mas/yr	
		Dec: +09 56 2.99 (9.93416d)	Proper Motion Dec: -3.1829998988541774 mas/yr	
		Equinox: J2000	Parallax: 0.0025935999999999997"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O giants]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	7	1	1	Dither 1	4	4	77.701	
1	SHORT(A)	MRSLONG		FASTR1	7	1	1	Dither 1	4	4	77.701	
1	SHORT(A)	MRSSHORT		FASTR1	7	1	1	Dither 1	4	4	77.701	
2		IMAGER	F1000W	FASTR1	7	1	1	Dither 1	4	4	77.701	
2	MEDIUM(B)	MRSLONG		FASTR1	7	1	1	Dither 1	4	4	77.701	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	7	1	1	Dither 1	4	4	77.701	
3		IMAGER	F1280W	FASTR1	7	1	1	Dither 1	4	4	77.701	
3	LONG(C)	MRSLONG		FASTR1	7	1	1	Dither 1	4	4	77.701	
3	LONG(C)	MRSSHORT		FASTR1	7	1	1	Dither 1	4	4	77.701	

Observation

Proposal 8683, Observation 6

Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 6) Warning (Form): Imager Filter overlap.

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-24431	RA: 03 55 38.4222 (58.9100925d)	Proper Motion RA: -1.7659999999999998 mas/yr	
		Dec: +52 38 28.75 (52.64132d)	Proper Motion Dec: -0.05199992756388383 mas/yr	
		Equinox: J2000	Parallax: 0.0010377000000000001"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O giants]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	23	1	1	Dither 1	4	4	255.304	
1	SHORT(A)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	
1	SHORT(A)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	
2		IMAGER	F1000W	FASTR1	23	1	1	Dither 1	4	4	255.304	
2	MEDIUM(B)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	
3		IMAGER	F1280W	FASTR1	23	1	1	Dither 1	4	4	255.304	
3	LONG(C)	MRSLONG		FASTR1	23	1	1	Dither 1	4	4	255.304	
3	LONG(C)	MRSSHORT		FASTR1	23	1	1	Dither 1	4	4	255.304	

Observation

Proposal 8683, Observation 7

Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 7) Warning (Form): Imager Filter overlap.

(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-42088	RA: 06 09 39.5728 (92.4148867d)	Proper Motion RA: 0.251 mas/yr	
		Dec: +20 29 15.45 (20.48763d)	Proper Motion Dec: -2.48499998178886 mas/yr	
		Equinox: J2000	Parallax: 5.777E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
1	SHORT(A)	MRSLONG		FASTR1	50	2	1	Dither 1	4	8	1121.116	
1	SHORT(A)	MRSSHORT		FASTR1	50	2	1	Dither 1	4	8	1121.116	
2		IMAGER	F1000W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
2	MEDIUM(B)	MRSLONG		FASTR1	50	2	1	Dither 1	4	8	1121.116	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	50	2	1	Dither 1	4	8	1121.116	
3		IMAGER	F1280W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
3	LONG(C)	MRSLONG		FASTR1	50	2	1	Dither 1	4	8	1121.116	
3	LONG(C)	MRSSHORT		FASTR1	50	2	1	Dither 1	4	8	1121.116	

Observation

Proposal 8683, Observation 8

Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 8) Warning (Form): Imager Filter overlap.

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	HD-46202	RA: 06 32 10.4707 (98.0436279d) Dec: +04 57 59.76 (4.96660d) Equinox: J2000	Proper Motion RA: -1.929 mas/yr Proper Motion Dec: -0.22299996089714114 mas/yr Parallax: 7.087E-4" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	63	1	1	Dither 1	4	4	699.31	
1	SHORT(A)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	
1	SHORT(A)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	
2		IMAGER	F1000W	FASTR1	63	1	1	Dither 1	4	4	699.31	
2	MEDIUM(B)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	
3		IMAGER	F1280W	FASTR1	63	1	1	Dither 1	4	4	699.31	
3	LONG(C)	MRSLONG		FASTR1	63	2	1	Dither 1	4	8	1409.72	
3	LONG(C)	MRSSHORT		FASTR1	63	2	1	Dither 1	4	8	1409.72	

Observation

Proposal 8683, Observation 9

Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 9) Warning (Form): Imager Filter overlap.

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	HD-209339	RA: 22 00 39.2649 (330.1636037d)	Proper Motion RA: -1.45 mas/yr	
		Dec: +62 29 16.06 (62.48779d)	Proper Motion Dec: -2.3819999796614866 mas/yr	
		Equinox: J2000	Parallax: 0.0010386"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	43	1	1	Dither 1	4	4	477.307	
1	SHORT(A)	MRSLONG		FASTR1	43	1	1	Dither 1	4	4	477.307	
1	SHORT(A)	MRSSHORT		FASTR1	43	1	1	Dither 1	4	4	477.307	
2		IMAGER	F1000W	FASTR1	43	1	1	Dither 1	4	4	477.307	
2	MEDIUM(B)	MRSLONG		FASTR1	43	1	1	Dither 1	4	4	477.307	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	43	1	1	Dither 1	4	4	477.307	
3		IMAGER	F1280W	FASTR1	43	1	1	Dither 1	4	4	477.307	
3	LONG(C)	MRSLONG		FASTR1	43	1	1	Dither 1	4	4	477.307	
3	LONG(C)	MRSSHORT		FASTR1	43	1	1	Dither 1	4	4	477.307	

Observation

Proposal 8683, Observation 10 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 10) Warning (Form): Imager Filter overlap.

(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	-zet-Oph	RA: 16 37 9.5401 (249.2897504d)	Proper Motion RA: 10.465 mas/yr	
		Dec: -10 34 1.51 (-10.56709d)	Proper Motion Dec: 24.742 mas/yr	
		Equinox: J2000	Parallax: 0.0074088"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
FND	All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	1	1	Dither 1	4	4	55.501	
1	SHORT(A)	MRSLONG		FASTR1	5	1	1	Dither 1	4	4	55.501	
1	SHORT(A)	MRSSHORT		FASTR1	5	1	1	Dither 1	4	4	55.501	
2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	
2	MEDIUM(B)	MRSLONG		FASTR1	5	1	1	Dither 1	4	4	55.501	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	5	1	1	Dither 1	4	4	55.501	
3		IMAGER	F1280W	FASTR1	5	1	1	Dither 1	4	4	55.501	
3	LONG(C)	MRSLONG		FASTR1	5	1	1	Dither 1	4	4	55.501	
3	LONG(C)	MRSSHORT		FASTR1	5	1	1	Dither 1	4	4	55.501	

Observation

Proposal 8683, Observation 11 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 11) Warning (Form): Imager Filter overlap.

(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	HD-46056	RA: 06 31 20.8608 (97.8369200d)	Proper Motion RA: -1.8610000000000002 mas/yr	
		Dec: +04 50 3.84 (4.83440d)	Proper Motion Dec: 0.095 mas/yr	
		Equinox: J2000	Parallax: 6.744E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
1	SHORT(A)	MRSLONG		FASTR1	50	3	1	Dither 1	4	12	1687.224	
1	SHORT(A)	MRSSHORT		FASTR1	50	3	1	Dither 1	4	12	1687.224	
2		IMAGER	F1000W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
2	MEDIUM(B)	MRSLONG		FASTR1	50	3	1	Dither 1	4	12	1687.224	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	50	3	1	Dither 1	4	12	1687.224	
3		IMAGER	F1280W	FASTR1	50	2	1	Dither 1	4	8	1121.116	
3	LONG(C)	MRSLONG		FASTR1	50	3	1	Dither 1	4	12	1687.224	
3	LONG(C)	MRSSHORT		FASTR1	50	3	1	Dither 1	4	12	1687.224	

Observation

Proposal 8683, Observation 12 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 12) Warning (Form): Imager Filter overlap.

(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	HD-48279	RA: 06 42 40.5471 (100.6689463d)	Proper Motion RA: -2.245 mas/yr	
		Dec: +01 42 58.25 (1.71618d)	Proper Motion Dec: 1.7979999999999998 mas/yr	
		Equinox: J2000	Parallax: 7.733999999999999E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	45	2	1	Dither 1	4	8	1010.115	
1	SHORT(A)	MRSLONG		FASTR1	45	3	1	Dither 1	4	12	1520.722	
1	SHORT(A)	MRSSHORT		FASTR1	45	3	1	Dither 1	4	12	1520.722	
2		IMAGER	F1000W	FASTR1	45	2	1	Dither 1	4	8	1010.115	
2	MEDIUM(B)	MRSLONG		FASTR1	45	3	1	Dither 1	4	12	1520.722	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	45	3	1	Dither 1	4	12	1520.722	
3		IMAGER	F1280W	FASTR1	45	2	1	Dither 1	4	8	1010.115	
3	LONG(C)	MRSLONG		FASTR1	45	3	1	Dither 1	4	12	1520.722	
3	LONG(C)	MRSSHORT		FASTR1	45	3	1	Dither 1	4	12	1520.722	

Observation

Proposal 8683, Observation 13 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 13) Warning (Form): Imager Filter overlap.

(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	HD-207538	RA: 21 47 39.7897 (326.9157904d)	Proper Motion RA: -1.882 mas/yr	
		Dec: +59 42 1.35 (59.70038d)	Proper Motion Dec: -2.534999998715648 mas/yr	
		Equinox: J2000	Parallax: 0.0011773"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	50	1	1	Dither 1	4	4	555.008	
1	SHORT(A)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	
1	SHORT(A)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	
2		IMAGER	F1000W	FASTR1	50	1	1	Dither 1	4	4	555.008	
2	MEDIUM(B)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	
3		IMAGER	F1280W	FASTR1	50	1	1	Dither 1	4	4	555.008	
3	LONG(C)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	
3	LONG(C)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	

Observation

Proposal 8683, Observation 14 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 14) Warning (Form): Imager Filter overlap.

(Visit 14:1) Warning (Form): Data Excess over lower threshold

(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	HD-54879	RA: 07 10 8.1488 (107.5339533d)	Proper Motion RA: -2.808 mas/yr	
		Dec: -11 48 9.84 (-11.80273d)	Proper Motion Dec: 1.27 mas/yr	
		Equinox: J2000	Parallax: 7.99E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	65	2	1	Dither 1	4	8	1454.121	
1	SHORT(A)	MRSLONG		FASTR1	65	2	1	Dither 1	4	8	1454.121	
1	SHORT(A)	MRSSHORT		FASTR1	65	2	1	Dither 1	4	8	1454.121	
2		IMAGER	F1000W	FASTR1	65	2	1	Dither 1	4	8	1454.121	
2	MEDIUM(B)	MRSLONG		FASTR1	65	2	1	Dither 1	4	8	1454.121	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	65	2	1	Dither 1	4	8	1454.121	
3		IMAGER	F1280W	FASTR1	65	2	1	Dither 1	4	8	1454.121	
3	LONG(C)	MRSLONG		FASTR1	65	2	1	Dither 1	4	8	1454.121	
3	LONG(C)	MRSSHORT		FASTR1	65	2	1	Dither 1	4	8	1454.121	

Observation

Proposal 8683, Observation 15 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 15) Warning (Form): Imager Filter overlap.

(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	-ups-Ori	RA: 05 31 55.8600 (82.9827500d)	Proper Motion RA: -0.704 mas/yr	
		Dec: -07 18 5.54 (-7.30154d)	Proper Motion Dec: -4.884999975729443 mas/yr	
		Equinox: J2000	Parallax: 0.0024567"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	18	1	1	Dither 1	4	4	199.803	
1	SHORT(A)	MRSLONG		FASTR1	18	1	1	Dither 1	4	4	199.803	
1	SHORT(A)	MRSSHORT		FASTR1	18	1	1	Dither 1	4	4	199.803	
2		IMAGER	F1000W	FASTR1	18	1	1	Dither 1	4	4	199.803	
2	MEDIUM(B)	MRSLONG		FASTR1	18	1	1	Dither 1	4	4	199.803	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	18	1	1	Dither 1	4	4	199.803	
3		IMAGER	F1280W	FASTR1	18	1	1	Dither 1	4	4	199.803	
3	LONG(C)	MRSLONG		FASTR1	18	1	1	Dither 1	4	4	199.803	
3	LONG(C)	MRSSHORT		FASTR1	18	1	1	Dither 1	4	4	199.803	

Observation

Proposal 8683, Observation 16 Tue Mar 11 23:00:37 GMT 2025

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

(Observation 16) Warning (Form): Imager Filter overlap.

(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	HD-76341	RA: 08 54 0.6140 (133.5025583d)	Proper Motion RA: -4.93 mas/yr	
		Dec: -42 29 8.76 (-42.48577d)	Proper Motion Dec: 3.578 mas/yr	
		Equinox: J2000	Parallax: 8.821E-4"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[O dwarfs]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	FAST	4	1	1	11.1	219787

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	YES	FULL	Allow Auto Reorder

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	35	1	1	Dither 1	4	4	388.506	
1	SHORT(A)	MRSLONG		FASTR1	35	1	1	Dither 1	4	4	388.506	
1	SHORT(A)	MRSSHORT		FASTR1	35	1	1	Dither 1	4	4	388.506	
2		IMAGER	F1000W	FASTR1	35	1	1	Dither 1	4	4	388.506	
2	MEDIUM(B)	MRSLONG		FASTR1	35	1	1	Dither 1	4	4	388.506	219787
2	MEDIUM(B)	MRSSHORT		FASTR1	35	1	1	Dither 1	4	4	388.506	
3		IMAGER	F1280W	FASTR1	35	1	1	Dither 1	4	4	388.506	
3	LONG(C)	MRSLONG		FASTR1	35	1	1	Dither 1	4	4	388.506	
3	LONG(C)	MRSSHORT		FASTR1	35	1	1	Dither 1	4	4	388.506	