



1584 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Cycle: 1, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
MIRI MRS observations				
	1	HT Lup MRS	MIRI Medium Resolution Spectroscopy	(1) HT-LUP
	4	RU Lup MRS	MIRI Medium Resolution Spectroscopy	(4) RU-LUP
	5	Sz 114 MRS	MIRI Medium Resolution Spectroscopy	(5) SZ-114
	6	Sz 129 MRS	MIRI Medium Resolution Spectroscopy	(6) SZ-129

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	7	MY Lup MRS	MIRI Medium Resolution Spectroscopy	(7) MY-LUP
	8	HD 142666 MRS	MIRI Medium Resolution Spectroscopy	(8) HD-142666
	9	HD 143006 MRS	MIRI Medium Resolution Spectroscopy	(9) HD-143006
	10	AS205N MRS	MIRI Medium Resolution Spectroscopy	(21) AS-205-N
	11	SR 4 MRS	MIRI Medium Resolution Spectroscopy	(11) SR-4
	12	Elias 2-20 MRS	MIRI Medium Resolution Spectroscopy	(12) ELIAS-2-20
	13	DoAr 25 MRS	MIRI Medium Resolution Spectroscopy	(13) DOAR-25
	14	Elias 2-24 MRS	MIRI Medium Resolution Spectroscopy	(14) ELIA-2-24
	15	Elias 2-27 MRS	MIRI Medium Resolution Spectroscopy	(15) ELIA-2-27
	21	Elias 2-27 MRS	MIRI Medium Resolution Spectroscopy	(15) ELIA-2-27
	16	DoAr 33 MRS	MIRI Medium Resolution Spectroscopy	(16) DOAR-33
	17	WSB 52 MRS	MIRI Medium Resolution Spectroscopy	(17) WSB-52
	19	AS 209 MRS	MIRI Medium Resolution Spectroscopy	(19) AS-209
	20	HD 163296 MRS	MIRI Medium Resolution Spectroscopy	(20) HD-163296

ABSTRACT

We propose a JWST treasury program to obtain MIRI-MRS spectra of the complete sample of protoplanetary disks from the ALMA-DSHARP survey, which obtained high resolution mm-wave images of disk substructures. With MIRI-MRS data, we can produce gas-phase inventories and radial abundance profiles of molecules in the terrestrial planet-forming regions of the DSHARP disks. With these combined datasets, we create the unique potential to study how global disk evolution and planet formation are interconnected with disk chemistry. Ultimately, the chemical makeup of the disk determines the chemical reservoir out of which planets form, and therefore, the composition of planets. In addition to releasing reduced spectra, our team will produce and release several higher-level data products to the community, including line fluxes, bulk molecular parameters (rotational temperature, column density, and emitting area), and molecular abundance ratios. This combined dataset will have the power to support a broad range of investigations, and will have lasting legacy value for both the planet formation and exoplanet communities.

OBSERVING DESCRIPTION

This program obtains to observe molecular emission from protoplanetary disks in the ALMA-DSHARP survey using MIRI-MRS. We target the following 17 targets: HT Lup A/B, RU Lup, Sz 114, Sz 129, MY Lup, HD 14266, HD 143006, SR 4, Elias 2-20, DoAr 25, Elias 2-24, Elias 2-27, DoAr 33, WSB 52, AS 209, HD 163296 and AS 205 N. All observations are obtained with MIRI-MRS across the full wavelength range, to observe lines at a range of excitation temperatures, and to observe multiple molecules. We aim for SNR of 100 at the longest wavelength, to firmly detect

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known molecular tracers, and maximize the signal-to-noise given known systematic fringing effects. In addition, to minimize fringing, we include target acquisition when possible (for sources that do not saturate in TA mode.) We expect targets to be unresolved, and therefore choose the standard 4 point dither for point sources, optimized for all 4 spectral channels.

Proposal 1584 - Targets - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HT-LUP	RA: 15 45 12.8500 (236.3035417d) Dec: -34 17 30.98 (-34.29194d) Equinox: J2000	Proper Motion RA: -0.0010994408117852728 sec of time/yr Proper Motion Dec: -0.021605000029012444 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(4)	RU-LUP	RA: 15 56 42.2959 (239.1762329d) Dec: -37 49 15.83 (-37.82106d) Equinox: J2000	Proper Motion RA: -9.744327991037346E-4 sec of time/yr Proper Motion Dec: -0.023233999991134624 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(5)	SZ-114	RA: 16 09 1.8360 (242.2576500d) Dec: -39 05 12.79 (-39.08689d) Equinox: J2000	Proper Motion RA: -8.293494061751986E-4 sec of time/yr Proper Motion Dec: -0.023931000055199547 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(6)	SZ-129	RA: 15 59 16.4569 (239.8185704d) Dec: -41 57 10.66 (-41.95296d) Equinox: J2000	Proper Motion RA: -9.379306594487263E-4 sec of time/yr Proper Motion Dec: -0.023114000032364856 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(7)	MY-LUP	RA: 16 00 44.5041 (240.1854337d) Dec: -41 55 31.29 (-41.92536d) Equinox: J2000	Proper Motion RA: -0.0010240820764780688 sec of time/yr Proper Motion Dec: -0.023399000087920285 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(8)	HD-142666	RA: 15 56 40.0078 (239.1666992d) Dec: -22 01 40.35 (-22.02787d) Equinox: J2000	Proper Motion RA: -9.382221445911164E-4 sec of time/yr Proper Motion Dec: -0.022160000094118004 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				
(9)	HD-143006	RA: 15 58 36.9006 (239.6537525d) Dec: -22 57 15.55 (-22.95432d) Equinox: J2000	Proper Motion RA: -7.878518586946518E-4 sec of time/yr Proper Motion Dec: -0.020960999950148107 arcsec/yr Epoch of Position: 2015.5	
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]				

Fixed Targets

Proposal 1584 - Targets - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

(11)	SR-4	RA: 16 25 56.1575 (246.4839896d) Dec: -24 20 48.65 (-24.34685d) Equinox: J2000	Proper Motion RA: -5.473438738789737E-4 sec of time/yr Proper Motion Dec: -0.026615000047058857 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(12)	ELIAS-2-20	RA: 16 26 18.8681 (246.5786171d) Dec: -24 28 20.12 (-24.47226d) Equinox: J2000	Proper Motion RA: -6.58710596922043E-4 sec of time/yr Proper Motion Dec: -0.027341999998498068 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(13)	DOAR-25	RA: 16 26 23.6822 (246.5986758d) Dec: -24 43 14.29 (-24.72064d) Equinox: J2000	Proper Motion RA: -5.746635418445701E-4 sec of time/yr Proper Motion Dec: -0.026295000020581938 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(14)	ELIA-2-24	RA: 16 26 24.0796 (246.6003317d) Dec: -24 16 13.83 (-24.27051d) Equinox: J2000	Proper Motion RA: -6.457404565219038E-4 sec of time/yr Proper Motion Dec: -0.024204000033023476 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(15)	ELIA-2-27	RA: 16 26 45.0228 (246.6875950d) Dec: -24 23 8.23 (-24.38562d) Equinox: J2000	Proper Motion RA: -6.00798882695128E-4 sec of time/yr Proper Motion Dec: -0.027286000045023684 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(16)	DOAR-33	RA: 16 27 39.0048 (246.9125200d) Dec: -23 58 19.13 (-23.97198d) Equinox: J2000	Proper Motion RA: -5.08895126031301E-4 sec of time/yr Proper Motion Dec: -0.027084000066679437 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(17)	WSB-52	RA: 16 27 39.4225 (246.9142604d) Dec: -24 39 15.92 (-24.65442d) Equinox: J2000	Proper Motion RA: -4.630076398457874E-4 sec of time/yr Proper Motion Dec: -0.025326000036329788 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			

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(19)	AS-209	RA: 16 49 15.2956 (252.3137317d) Dec: -14 22 9.01 (-14.36917d) Equinox: J2000	Proper Motion RA: -5.104346764439603E-4 sec of time/yr Proper Motion Dec: -0.023732999898129492 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(20)	HD-163296	RA: 17 56 21.2797 (269.0886654d) Dec: -21 57 22.48 (-21.95624d) Equinox: J2000	Proper Motion RA: -5.467923715382945E-4 sec of time/yr Proper Motion Dec: -0.03941999996186496 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			
(21)	AS-205-N	RA: 16 11 31.3529 (242.8806371d) Dec: -18 38 26.19 (-18.64061d) Equinox: J2000	Proper Motion RA: -5.241631624427403E-4 sec of time/yr Proper Motion Dec: -0.026890999993156584 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]</p>			

Proposal 1584 - Observation 1 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 1: HT Lup MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Diagnosics													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(1)	HT-LUP	RA: 15 45 12.8500 (236.3035417d) Dec: -34 17 30.98 (-34.29194d) Equinox: J2000				Proper Motion RA: -0.0010994408117852728 sec of time/yr Proper Motion Dec: -0.021605000029012444 arcsec/yr Epoch of Position: 2015.5						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging		Imager Subarray		Grating Wheel Direction				
	FND	ALL			YES		FULL		NEUTRAL				
Dithers	#	Dither Type				Optimized For				Direction			
	1	4-Point				POINT SOURCE				NEGATIVE			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	8	6	1	Dither 1	4	24	588.308	
	1	SHORT(A)	MRSLONG		FASTR1	8	6	1	Dither 1	4	24	588.308	
	1	SHORT(A)	MRSSHORT		FASTR1	8	6	1	Dither 1	4	24	588.308	
	2		IMAGER	F770W	FASTR1	8	6	1	Dither 1	4	24	588.308	
	2	MEDIUM(B)	MRSLONG		FASTR1	8	6	1	Dither 1	4	24	588.308	
	2	MEDIUM(B)	MRSSHORT		FASTR1	8	6	1	Dither 1	4	24	588.308	
	3		IMAGER	F770W	FASTR1	8	6	1	Dither 1	4	24	588.308	
	3	LONG(C)	MRSLONG		FASTR1	8	6	1	Dither 1	4	24	588.308	
	3	LONG(C)	MRSSHORT		FASTR1	8	6	1	Dither 1	4	24	588.308	

Proposal 1584 - Observation 4 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 4: RU Lup MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Diagnosics													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(4)	RU-LUP	RA: 15 56 42.2959 (239.1762329d) Dec: -37 49 15.83 (-37.82106d) Equinox: J2000				Proper Motion RA: -9.744327991037346E-4 sec of time/yr Proper Motion Dec: -0.023233999991134624 arcsec/yr Epoch of Position: 2015.5						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel				Simultaneous Imaging		Imager Subarray		Grating Wheel Direction			
	FND	ALL				YES		FULL		NEUTRAL			
Dithers	#	Dither Type				Optimized For				Direction			
	1	4-Point				POINT SOURCE				NEGATIVE			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	5	8	1	Dither 1	4	32	521.708	
	1	SHORT(A)	MRSLONG		FASTR1	5	8	1	Dither 1	4	32	521.708	
	1	SHORT(A)	MRSSHORT		FASTR1	5	8	1	Dither 1	4	32	521.708	
	2		IMAGER	F770W	FASTR1	5	8	1	Dither 1	4	32	521.708	
	2	MEDIUM(B)	MRSLONG		FASTR1	5	8	1	Dither 1	4	32	521.708	
	2	MEDIUM(B)	MRSSHORT		FASTR1	5	8	1	Dither 1	4	32	521.708	
	3		IMAGER	F770W	FASTR1	5	8	1	Dither 1	4	32	521.708	
	3	LONG(C)	MRSLONG		FASTR1	5	8	1	Dither 1	4	32	521.708	
	3	LONG(C)	MRSSHORT		FASTR1	5	8	1	Dither 1	4	32	521.708	

Proposal 1584 - Observation 5 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 5: Sz 114 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(5)	SZ-114	RA: 16 09 1.8360 (242.2576500d) Dec: -39 05 12.79 (-39.08689d) Equinox: J2000			Proper Motion RA: -8.293494061751986E-4 sec of time/yr Proper Motion Dec: -0.023931000055199547 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.36				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	ALL		YES			FULL			NEUTRAL				
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	75	1	1	Dither 1	4	4	832.512	
	1	SHORT(A)	MRSLONG		FASTR1	75	1	1	Dither 1	4	4	832.512	
	1	SHORT(A)	MRSSHORT		FASTR1	75	1	1	Dither 1	4	4	832.512	
	2		IMAGER	F770W	FASTR1	75	1	1	Dither 1	4	4	832.512	
	2	MEDIUM(B)	MRSLONG		FASTR1	75	1	1	Dither 1	4	4	832.512	
	2	MEDIUM(B)	MRSSHORT		FASTR1	75	1	1	Dither 1	4	4	832.512	
	3		IMAGER	F770W	FASTR1	75	1	1	Dither 1	4	4	832.512	
	3	LONG(C)	MRSLONG		FASTR1	75	1	1	Dither 1	4	4	832.512	
	3	LONG(C)	MRSSHORT		FASTR1	75	1	1	Dither 1	4	4	832.512	

Proposal 1584 - Observation 6 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 6: Sz 129 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(6)	SZ-129	RA: 15 59 16.4569 (239.8185704d) Dec: -41 57 10.66 (-41.95296d) Equinox: J2000			Proper Motion RA: -9.379306594487263E-4 sec of time/yr Proper Motion Dec: -0.023114000032364856 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.35				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	100	1	1	Dither 1	4	4	1110.016	
	1	SHORT(A)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	
	1	SHORT(A)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	
	2		IMAGER	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	
	2	MEDIUM(B)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	
	2	MEDIUM(B)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	
	3		IMAGER	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	
	3	LONG(C)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	
	3	LONG(C)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	

Proposal 1584 - Observation 7 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 7: MY Lup MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(7)	MY-LUP	RA: 16 00 44.5041 (240.1854337d) Dec: -41 55 31.29 (-41.92536d) Equinox: J2000			Proper Motion RA: -0.0010240820764780688 sec of time/yr Proper Motion Dec: -0.023399000087920285 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks]													
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	58483.39				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	F770W	FASTR1	50	1	1	Dither 1	4	4	555.008	
	2	MEDIUM(B)	MRSLONG		FASTR1	50	1	1	Dither 1	4	4	555.008	
	2	MEDIUM(B)	MRSSHORT		FASTR1	50	1	1	Dither 1	4	4	555.008	
	3		IMAGER	F770W	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	

Proposal 1584 - Observation 8 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 8: HD 142666 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Diagnosics													
Fixed Targets	#	Name	Target Coordinates				Targ. Coord. Corrections			Miscellaneous			
	(8)	HD-142666	RA: 15 56 40.0078 (239.1666992d) Dec: -22 01 40.35 (-22.02787d) Equinox: J2000				Proper Motion RA: -9.382221445911164E-4 sec of time/yr Proper Motion Dec: -0.022160000094118004 arcsec/yr Epoch of Position: 2015.5						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging			Imager Subarray		Grating Wheel Direction			
	FND	ALL			YES			FULL		NEUTRAL			
Dithers	#	Dither Type				Optimized For				Direction			
	1	4-Point				POINT SOURCE				NEGATIVE			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	

Proposal 1584 - Observation 9 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 9: HD 143006 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(9)	HD-143006	RA: 15 58 36.9006 (239.6537525d) Dec: -22 57 15.55 (-22.95432d) Equinox: J2000			Proper Motion RA: -7.878518586946518E-4 sec of time/yr Proper Motion Dec: -0.020960999950148107 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.43				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	10	6	1	Dither 1	4	24	721.51	
	1	SHORT(A)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	1	SHORT(A)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	
	2		IMAGER	F770W	FASTR1	10	6	1	Dither 1	4	24	721.51	
	2	MEDIUM(B)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	2	MEDIUM(B)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	
	3		IMAGER	F770W	FASTR1	10	6	1	Dither 1	4	24	721.51	
	3	LONG(C)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	3	LONG(C)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	

Proposal 1584 - Observation 10 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 10: AS205N MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(21)	AS-205-N	RA: 16 11 31.3529 (242.8806371d) Dec: -18 38 26.19 (-18.64061d) Equinox: J2000			Proper Motion RA: -5.241631624427403E-4 sec of time/yr Proper Motion Dec: -0.026890999993156584 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging		Imager Subarray		Grating Wheel Direction				
	FND	ALL			YES		FULL		NEUTRAL				
Dithers	#	Dither Type			Optimized For			Direction					
	1	4-Point			POINT SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	15	2	1	Dither 1	4	8	344.105	
	1	SHORT(A)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2		IMAGER	F770W	FASTR1	15	2	1	Dither 1	4	8	344.105	
	2	MEDIUM(B)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3		IMAGER	F770W	FASTR1	15	2	1	Dither 1	4	8	344.105	
	3	LONG(C)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	

Proposal 1584 - Observation 11 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 11: SR 4 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(11)	SR-4	RA: 16 25 56.1575 (246.4839896d) Dec: -24 20 48.65 (-24.34685d) Equinox: J2000			Proper Motion RA: -5.473438738789737E-4 sec of time/yr Proper Motion Dec: -0.026615000047058857 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.37				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	3	1	Dither 1	4	12	688.21	
	1	LONG(C)	MRSLONG		FASTR1	20	3	1	Dither 1	4	12	688.21	
	1	LONG(C)	MRSSHORT		FASTR1	20	3	1	Dither 1	4	12	688.21	
	2		IMAGER	F770W	FASTR1	20	3	1	Dither 1	4	12	688.21	
	2	MEDIUM(B)	MRSLONG		FASTR1	20	3	1	Dither 1	4	12	688.21	
	2	MEDIUM(B)	MRSSHORT		FASTR1	20	3	1	Dither 1	4	12	688.21	
	3		IMAGER	F770W	FASTR1	20	3	1	Dither 1	4	12	688.21	
	3	SHORT(A)	MRSLONG		FASTR1	20	3	1	Dither 1	4	12	688.21	
	3	SHORT(A)	MRSSHORT		FASTR1	20	3	1	Dither 1	4	12	688.21	

Proposal 1584 - Observation 12 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 12: Elias 2-20 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(12)	ELIAS-2-20	RA: 16 26 18.8681 (246.5786171d) Dec: -24 28 20.12 (-24.47226d) Equinox: J2000			Proper Motion RA: -6.58710596922043E-4 sec of time/yr Proper Motion Dec: -0.027341999998498068 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.33				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	10	6	1	Dither 1	4	24	721.51	
	1	SHORT(A)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	1	SHORT(A)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	
	2		IMAGER	F770W	FASTR1	10	6	1	Dither 1	4	24	721.51	
	2	MEDIUM(B)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	2	MEDIUM(B)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	
	3		IMAGER	F770W	FASTR1	10	6	1	Dither 1	4	24	721.51	
	3	LONG(C)	MRSLONG		FASTR1	10	6	1	Dither 1	4	24	721.51	
	3	LONG(C)	MRSSHORT		FASTR1	10	6	1	Dither 1	4	24	721.51	

Proposal 1584 - Observation 13 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 13: DoAr 25 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(13)	DOAR-25	RA: 16 26 23.6822 (246.5986758d) Dec: -24 43 14.29 (-24.72064d) Equinox: J2000			Proper Motion RA: -5.746635418445701E-4 sec of time/yr Proper Motion Dec: -0.026295000020581938 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.49				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	

Proposal 1584 - Observation 14 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 14: Elias 2-24 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Diagnosics													
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(14)	ELIA-2-24	RA: 16 26 24.0796 (246.6003317d) Dec: -24 16 13.83 (-24.27051d) Equinox: J2000			Proper Motion RA: -6.457404565219038E-4 sec of time/yr Proper Motion Dec: -0.024204000033023476 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging		Imager Subarray		Grating Wheel Direction				
	FND	ALL			YES		FULL		NEUTRAL				
Dithers	#	Dither Type				Optimized For				Direction			
	1	4-Point				POINT SOURCE				NEGATIVE			
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	9	6	1	Dither 1	4	24	654.909	
	1	LONG(C)	MRSLONG		FASTR1	9	6	1	Dither 1	4	24	654.909	
	1	LONG(C)	MRSSHORT		FASTR1	9	6	1	Dither 1	4	24	654.909	
	2		IMAGER	F770W	FASTR1	9	6	1	Dither 1	4	24	654.909	
	2	MEDIUM(B)	MRSLONG		FASTR1	9	6	1	Dither 1	4	24	654.909	
	2	MEDIUM(B)	MRSSHORT		FASTR1	9	6	1	Dither 1	4	24	654.909	
	3		IMAGER	F770W	FASTR1	9	6	1	Dither 1	4	24	654.909	
	3	SHORT(A)	MRSLONG		FASTR1	9	6	1	Dither 1	4	24	654.909	
	3	SHORT(A)	MRSSHORT		FASTR1	9	6	1	Dither 1	4	24	654.909	

Proposal 1584 - Observation 15 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 15: Elias 2-27 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(15)	ELIA-2-27	RA: 16 26 45.0228 (246.6875950d) Dec: -24 23 8.23 (-24.38562d) Equinox: J2000			Proper Motion RA: -6.00798882695128E-4 sec of time/yr Proper Motion Dec: -0.027286000045023684 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.46				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	

Proposal 1584 - Observation 21 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 21: Elias 2-27 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(15)	ELIA-2-27	RA: 16 26 45.0228 (246.6875950d) Dec: -24 23 8.23 (-24.38562d) Equinox: J2000			Proper Motion RA: -6.00798882695128E-4 sec of time/yr Proper Motion Dec: -0.027286000045023684 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.46				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	1	LONG(C)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	2	MEDIUM(B)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3		IMAGER	F770W	FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSLONG		FASTR1	30	2	1	Dither 1	4	8	677.11	
	3	SHORT(A)	MRSSHORT		FASTR1	30	2	1	Dither 1	4	8	677.11	

Proposal 1584 - Observation 16 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 16: DoAr 33 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(16)	DOAR-33	RA: 16 27 39.0048 (246.9125200d) Dec: -23 58 19.13 (-23.97198d) Equinox: J2000			Proper Motion RA: -5.08895126031301E-4 sec of time/yr Proper Motion Dec: -0.027084000066679437 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.48				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	30	3	1	Dither 1	4	12	1021.215	
	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	F770W	FASTR1	30	3	1	Dither 1	4	12	1021.215	
	2	MEDIUM(B)	MRSLONG		FASTR1	50	3	1	Dither 1	4	12	1687.224	
	2	MEDIUM(B)	MRSSHORT		FASTR1	50	3	1	Dither 1	4	12	1687.224	
	3		IMAGER	F770W	FASTR1	30	3	1	Dither 1	4	12	1021.215	
	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	

Proposal 1584 - Observation 17 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

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Observation	Proposal 1584, Observation 17: WSB 52 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(17)	WSB-52	RA: 16 27 39.4225 (246.9142604d) Dec: -24 39 15.92 (-24.65442d) Equinox: J2000			Proper Motion RA: -4.630076398457874E-4 sec of time/yr Proper Motion Dec: -0.025326000036329788 arcsec/yr Epoch of Position: 2015.5							
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Protoplanetary disks]													
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	58483.31				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	ALL			YES			FULL			NEUTRAL			
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	30	1	1	Dither 1	4	4	333.005	
	1	SHORT(A)	MRSLONG		FASTR1	30	1	1	Dither 1	4	4	333.005	
	1	SHORT(A)	MRSSHORT		FASTR1	30	1	1	Dither 1	4	4	333.005	
	2		IMAGER	F770W	FASTR1	30	1	1	Dither 1	4	4	333.005	
	2	MEDIUM(B)	MRSLONG		FASTR1	30	1	1	Dither 1	4	4	333.005	
	2	MEDIUM(B)	MRSSHORT		FASTR1	30	1	1	Dither 1	4	4	333.005	
	3		IMAGER	F770W	FASTR1	30	1	1	Dither 1	4	4	333.005	
	3	LONG(C)	MRSLONG		FASTR1	30	1	1	Dither 1	4	4	333.005	
	3	LONG(C)	MRSSHORT		FASTR1	30	1	1	Dither 1	4	4	333.005	

Proposal 1584 - Observation 19 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 19: AS 209 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(19)	AS-209	RA: 16 49 15.2956 (252.3137317d) Dec: -14 22 9.01 (-14.36917d) Equinox: J2000			Proper Motion RA: -5.104346764439603E-4 sec of time/yr Proper Motion Dec: -0.023732999898129492 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging		Imager Subarray		Grating Wheel Direction				
	FND	ALL			YES		FULL		NEUTRAL				
Dithers	#	Dither Type			Optimized For			Direction					
	1	4-Point			POINT SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	

Proposal 1584 - Observation 20 - A DSHARP-MIRI Treasury survey of Chemistry in Planet-forming Regions

Tue Aug 22 00:01:08 GMT 2023

Observation	Proposal 1584, Observation 20: HD 163296 MRS Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(20)	HD-163296	RA: 17 56 21.2797 (269.0886654d) Dec: -21 57 22.48 (-21.95624d) Equinox: J2000			Proper Motion RA: -5.467923715382945E-4 sec of time/yr Proper Motion Dec: -0.03941999996186496 arcsec/yr Epoch of Position: 2015.5							
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks]													
Acquisition	#	Target											
	1	NONE											
Template	AcqFilter	Primary Channel			Simultaneous Imaging		Imager Subarray		Grating Wheel Direction				
	FND	ALL			YES		FULL		NEUTRAL				
Dithers	#	Dither Type			Optimized For			Direction					
	1	4-Point			POINT SOURCE			NEGATIVE					
Spectral Elements	#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/E xp	Exposures/Dit h	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	1	SHORT(A)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	2	MEDIUM(B)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3		IMAGER	F770W	FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSLONG		FASTR1	5	6	1	Dither 1	4	24	388.506	
	3	LONG(C)	MRSSHORT		FASTR1	5	6	1	Dither 1	4	24	388.506	