



3228 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner disk with JWST and ALMA

Cycle: 2, Proposal Category: GO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Prof. Ilse Cleeves (PI)	The University of Virginia
Dr. Viviana Guzman (CoI)	Pontificia Universidad Catolica de Chile
Dr. John Carpenter (CoI)	Associated Universities, Inc.
Dr. Anna Miotello (CoI) (ESA Member)	European Southern Observatory - Germany
Dr. Johanna Teske (CoI)	Carnegie Institution of Washington
Prof. Jonathan P. Williams (CoI)	University of Hawaii
Dr. Edwin Anthony Bergin (CoI)	University of Michigan
Dr. Dana Anderson (CoI)	Carnegie Institution of Washington
Dr. Thomas Haworth (CoI) (ESA Member)	Queen Mary University of London
Dr. Yuri Aikawa (CoI)	Department of Astronomy, The University of Tokyo
Dr. Carlo F. Manara (CoI) (ESA Member)	European Southern Observatory - Germany
Dr. Jennifer Bergner (CoI)	University of California - Berkeley
Dr. Giovanni Rosotti (CoI) (ESA Member)	Universita di Milano
Richard A Booth (CoI) (ESA Member)	University of Leeds
Jamila Pegues (CoI)	Space Telescope Science Institute
Mihkel Kama (CoI) (ESA Member)	University College London (UCL)
Deryl Long (CoI)	The University of Virginia
Dr. Jeroen Terwisscha van Scheltinga (CoI) (ESA Member)	Leiden Observatory
Dr. Jenny Calahan (CoI)	Smithsonian Institution Astrophysical Observatory
Dr. Gianni Cataldi (CoI)	National Astronomical Observatory of Japan (NAOJ)
Prof. Geoffrey A. Blake (CoI)	California Institute of Technology

JWST Proposal 3228 (Created: Friday, March 22, 2024 at 11:00:23 AM Eastern Standard Time) - Overview

<i>Name</i>	<i>Institution</i>
Dr. Catherine Walsh (CoI) (ESA Member)	University of Leeds
Ms. Amina Diop (CoI)	The University of Virginia
Dra. Elizabeth Artur de la Villarmois (CoI) (ESA Member)	European Southern Observatory - Chile
Ms. Teresa Paneque-Carreno (CoI) (ESA Member)	European Southern Observatory - Germany
Dr. Sean M Andrews (CoI)	Smithsonian Institution Astrophysical Observatory
Dr. Karin Oberg (CoI)	Harvard University
Dr. Camilo Gonzalez-Ruilova (CoI)	Diego Portales University
Hsi-Wei Yen (CoI)	Academia Sinica, Institute of Astronomy and Astrophysics

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Lupus				
	2	Sz66	MIRI Medium Resolution Spectroscopy	(2) SZ-66
	14	J1612	MIRI Medium Resolution Spectroscopy	(5) 16124373-3815031
	15	Sz96	MIRI Medium Resolution Spectroscopy	(4) SZ-96
	19	Sz77	MIRI Medium Resolution Spectroscopy	(6) SZ-77
	1	Sz65	MIRI Medium Resolution Spectroscopy	(12) SZ-65
	16	Sz90	MIRI Medium Resolution Spectroscopy	(7) SZ-90
	17	Sz118	MIRI Medium Resolution Spectroscopy	(8) SZ-118
	11	Sz130	MIRI Medium Resolution Spectroscopy	(3) SZ-130
	7	Sz123A	MIRI Medium Resolution Spectroscopy	(11) SZ-123A
	8	Sz111	MIRI Medium Resolution Spectroscopy	(10) SZ-111
	9	J1608	MIRI Medium Resolution Spectroscopy	(13) J16083070-3828268
	6	Sz91	MIRI Medium Resolution Spectroscopy	(9) SZ-91
	10	Sz95	MIRI Medium Resolution Spectroscopy	(1) SZ-95
Taurus				
	3	FN Tau	MIRI Medium Resolution Spectroscopy	(15) FN-TAU
	4	CW Tau	MIRI Medium Resolution Spectroscopy	(16) CW-TAU
	12	V836Tau	MIRI Medium Resolution Spectroscopy	(22) V836-TAU
	13	HOTau	MIRI Medium Resolution Spectroscopy	(19) HO-TAU
	113	HOTau	MIRI Medium Resolution Spectroscopy	(19) HO-TAU
	18	IPTau	MIRI Medium Resolution Spectroscopy	(17) IP-TAU

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	123	IPTau	MIRI Medium Resolution Spectroscopy	(17) IP-TAU
	20	DSTau	MIRI Medium Resolution Spectroscopy	(21) DS-TAU
	120	DSTau	MIRI Medium Resolution Spectroscopy	(21) DS-TAU
	21	GITau	MIRI Medium Resolution Spectroscopy	(18) GI-TAU
	121	GITau	MIRI Medium Resolution Spectroscopy	(18) GI-TAU
	22	DETau	MIRI Medium Resolution Spectroscopy	(14) DE-TAU
	122	DETau	MIRI Medium Resolution Spectroscopy	(14) DE-TAU
	5	HQTau	MIRI Medium Resolution Spectroscopy	(20) HQ-TAU
	105	HQTau	MIRI Medium Resolution Spectroscopy	(20) HQ-TAU

ABSTRACT

To date, observations of both planet-forming disks and exoplanets show a large degree of chemical heterogeneity. Many observed disks have gas-phase compositions inconsistent with known exoplanets' atmospheric compositions. Is this discrepancy real? And are chemical variations across known disks intrinsic or are they instead a result of an incomplete or unrepresentative sample? And if they prove real, what are the most important physical mechanisms driving disk composition? We propose to address these questions by analyzing sensitive JWST MIRI spectroscopy for a sample of 40 disks whose chemistry will be surveyed with ALMA as part of the Disk-Exoplanet C/Onnection Cycle 9 Large Program. While the ALMA program proposes to constrain the outer disk C/O ratio, only with JWST MIRI is it possible to determine the composition, including C/O, of the terrestrial planet forming zone. By combining ALMA, JWST archival data (18 disks), and the observations proposed here (22 disks), this program has the potential to unlock not only how diverse are planet forming environments, but also the physical/chemical origins of this diversity.

OBSERVING DESCRIPTION

We propose to use JWST MIRI MRS to observe 22 disks targeted as part of the ALMA Disk-Exoplanet C/Onnection Large Program, 13 within the Lupus star forming region and 9 within Taurus. Our lines of interest span the full MIRI range and thus we require full spectral scans of our sources from 5-28 micron. To detect the lines of interest requires SNR of 300 at 15 micron and >100 at 20 micron. Each observation begins with Target Acquisition and utilizes simultaneous imaging (with the F1000W filter to avoid saturation) to improve pointing accuracy and minimize fringing. Since we expect the inner disk mid-IR emission to be essentially point-like to MIRI, we adopt a four-point dither and do not carry out a dedicated background observation per source. Based on our ETC calculations, we adopt a FASTR1 readout pattern. The targets are grouped based on their known or expected mid-IR brightness, setting the exact ratio of groups and integrations to optimize for cosmic ray mitigation (faint sources) or saturation (bright sources).

Proposal 3228 - Targets - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner di...

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	SZ-95	RA: 16 07 52.2969 (241.9679038d) Dec: -38 58 6.45 (-38.96846d) Equinox: J2000	Proper Motion RA: -9.095052867484856E-4 sec of time/yr Proper Motion Dec: -0.023424999949384073 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] Extended=NO</p>				
(2)	SZ-66	RA: 15 39 28.2664 (234.8677767d) Dec: -34 46 18.42 (-34.77178d) Equinox: J2000	Proper Motion RA: -0.001065134161066657 sec of time/yr Proper Motion Dec: -0.02180700000735669 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] Extended=NO</p>				
(3)	SZ-130	RA: 16 00 31.0225 (240.1292604d) Dec: -41 43 37.35 (-41.72704d) Equinox: J2000	Proper Motion RA: -9.687479861323435E-4 sec of time/yr Proper Motion Dec: -0.0233380000508987 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] Extended=NO</p>				
(4)	SZ-96	RA: 16 08 12.6172 (242.0525717d) Dec: -39 08 33.83 (-39.14273d) Equinox: J2000	Proper Motion RA: -8.811517474433423E-4 sec of time/yr Proper Motion Dec: -0.0233689999590969 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] Extended=NO</p>				
(5)	16124373-3815031	RA: 16 12 43.7388 (243.1822450d) Dec: -38 15 3.42 (-38.25095d) Equinox: J2000	Proper Motion RA: -7.215015880775666E-4 sec of time/yr Proper Motion Dec: -0.022412999942389433 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] Extended=NO</p>				
(6)	SZ-77	RA: 15 51 46.9421 (237.9455921d) Dec: -35 56 44.49 (-35.94569d) Equinox: J2000	Proper Motion RA: -0.001033465623354674 sec of time/yr Proper Motion Dec: -0.024183000050470582 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] Extended=NO</p>				

Fixed Targets

Proposal 3228 - Targets - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner di...

(7)	SZ-90	RA: 16 07 10.0570 (241.7919042d) Dec: -39 11 3.65 (-39.18435d) Equinox: J2000	Proper Motion RA: -8.044375742046568E-4 sec of time/yr Proper Motion Dec: -0.025295000091318798 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] Extended=NO</p>			
(8)	SZ-118	RA: 16 09 48.6421 (242.4526754d) Dec: -39 11 17.21 (-39.18811d) Equinox: J2000	Proper Motion RA: -9.094166886520755E-4 sec of time/yr Proper Motion Dec: -0.023569999916617235 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] Extended=NO</p>			
(9)	SZ-91	RA: 16 07 11.5740 (241.7982250d) Dec: -39 03 47.85 (-39.06329d) Equinox: J2000	Proper Motion RA: -8.588658480959666E-4 sec of time/yr Proper Motion Dec: -0.022775999991608842 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] Extended=NO</p>			
(10)	SZ-111	RA: 16 08 54.6720 (242.2278000d) Dec: -39 37 43.50 (-39.62875d) Equinox: J2000	Proper Motion RA: -8.375386535915942E-4 sec of time/yr Proper Motion Dec: -0.02267400004711817 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] Extended=NO</p>			
(11)	SZ-123A	RA: 16 10 51.5730 (242.7148875d) Dec: -38 53 14.13 (-38.88726d) Equinox: J2000	Proper Motion RA: -7.701437957090766E-4 sec of time/yr Proper Motion Dec: -0.02338100007364119 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] Extended=NO</p>			
(12)	SZ-65	RA: 15 39 27.7550 (234.8656458d) Dec: -34 46 17.55 (-34.77154d) Equinox: J2000	Proper Motion RA: -0.0010727600012357525 sec of time/yr Proper Motion Dec: -0.022121000097286014 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] Extended=NO</p>			

Proposal 3228 - Targets - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner di...

(13)	J16083070-3828268	RA: 16 08 30.6864 (242.1278600d) Dec: -38 28 27.24 (-38.47423d) Equinox: J2000	Proper Motion RA: -8.422660323899131E-4 sec of time/yr Proper Motion Dec: -0.025283000013587298 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] Extended=YES</p>			
(14)	DE-TAU	RA: 04 21 55.6472 (65.4818633d) Dec: +27 55 5.76 (27.91827d) Equinox: J2000	Proper Motion RA: 8.015544628184243E-4 sec of time/yr Proper Motion Dec: -0.027198000088901608 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)	FN-TAU	RA: 04 14 14.6055 (63.5608563d) Dec: +28 27 57.70 (28.46603d) Equinox: J2000	Proper Motion RA: 7.086035906006519E-4 sec of time/yr Proper Motion Dec: -0.02383900007316697 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)	CW-TAU	RA: 04 14 17.0138 (63.5708908d) Dec: +28 10 57.39 (28.18261d) Equinox: J2000	Proper Motion RA: 6.159569745441051E-4 sec of time/yr Proper Motion Dec: -0.024205999943660572 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)	IP-TAU	RA: 04 24 57.0921 (66.2378838d) Dec: +27 11 56.13 (27.19892d) Equinox: J2000	Proper Motion RA: 6.227244525851306E-4 sec of time/yr Proper Motion Dec: -0.026541000079305377 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>			
(18)	GI-TAU	RA: 04 33 34.0675 (68.3919479d) Dec: +24 21 16.75 (24.35465d) Equinox: J2000	Proper Motion RA: 4.2180275348938106E-4 sec of time/yr Proper Motion Dec: -0.02064199998130789 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>			
(19)	HO-TAU	RA: 04 35 20.2214 (68.8342558d) Dec: +22 32 14.30 (22.53731d) Equinox: J2000	Proper Motion RA: 7.016516861765587E-4 sec of time/yr Proper Motion Dec: -0.016898000080800557 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 3228 - Targets - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner di...

(20)	HQ-TAU	RA: 04 35 47.3479 (68.9472829d) Dec: +22 50 21.39 (22.83927d) Equinox: J2000	Proper Motion RA: 7.861712878166242E-4 sec of time/yr Proper Motion Dec: -0.018979999958901317 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)	DS-TAU	RA: 04 47 48.6015 (71.9525062d) Dec: +29 25 10.81 (29.41967d) Equinox: J2000	Proper Motion RA: 3.864322877527037E-4 sec of time/yr Proper Motion Dec: -0.024439000071652117 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>			
(22)	V836-TAU	RA: 05 03 6.6023 (75.7775096d) Dec: +25 23 19.34 (25.38871d) Equinox: J2000	Proper Motion RA: 2.2071687251253342E-4 sec of time/yr Proper Motion Dec: -0.017303999948126148 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 3228 - Observation 2 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 2: Sz66 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(2)	SZ-66	RA: 15 39 28.2664 (234.8677767d) Dec: -34 46 18.42 (-34.77178d) Equinox: J2000			Proper Motion RA: -0.001065134161066657 sec of time/yr Proper Motion Dec: -0.02180700000735669 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] Extended=NO													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	1	LONG(C)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180
	3	SHORT(A)	MRSSHORT		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180

Proposal 3228 - Observation 14 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 14: J1612 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(5)	16124373-3815031	RA: 16 12 43.7388 (243.1822450d) Dec: -38 15 3.42 (-38.25095d) Equinox: J2000			Proper Motion RA: -7.215015880775666E-4 sec of time/yr Proper Motion Dec: -0.022412999942389433 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] Extended=NO													
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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 15 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 15: Sz96 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	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>SZ-96</td> <td>RA: 16 08 12.6172 (242.0525717d) Dec: -39 08 33.83 (-39.14273d) Equinox: J2000</td> <td>Proper Motion RA: -8.811517474433423E-4 sec of time/yr Proper Motion Dec: -0.02336899999590969 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	SZ-96	RA: 16 08 12.6172 (242.0525717d) Dec: -39 08 33.83 (-39.14273d) Equinox: J2000	Proper Motion RA: -8.811517474433423E-4 sec of time/yr Proper Motion Dec: -0.02336899999590969 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] Extended=NO																																																																																																																																			
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																																																																																																																										
(4)	SZ-96	RA: 16 08 12.6172 (242.0525717d) Dec: -39 08 33.83 (-39.14273d) Equinox: J2000	Proper Motion RA: -8.811517474433423E-4 sec of time/yr Proper Motion Dec: -0.02336899999590969 arcsec/yr Epoch of Position: 2015.5																																																																																																																																												
Acquisition	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SAME</td> <td>FND</td> <td>FAST</td> <td>4</td> <td>1</td> <td>1</td> <td>11.1</td> <td>138180</td> </tr> </tbody> </table>	#	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	138180																																																																																																																												
	#	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	138180																																																																																																																																							
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction																																																																																																																																						
	All MRS		YES			FULL			NEUTRAL																																																																																																																																						
Dithers	#		Dither Type			Optimized For			Direction																																																																																																																																						
	1		4-Point			POINT SOURCE			NEGATIVE																																																																																																																																						
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Wavelength Range</th> <th>Detector</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Dither</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>9</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>543.908</td> <td>138180</td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>9</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>543.908</td> <td>138180</td> </tr> <tr> <td>2</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>11</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>654.909</td> <td>138180</td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>11</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>654.909</td> <td>138180</td> </tr> <tr> <td>3</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>11</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>654.909</td> <td>138180</td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>11</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>654.909</td> <td>138180</td> </tr> </tbody> </table>	#	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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180												
	#	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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																		
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180																																																																																																																																		
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180																																																																																																																																		
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																		
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180																																																																																																																																		
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180																																																																																																																																		
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																		
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180																																																																																																																																		
3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180																																																																																																																																			

Proposal 3228 - Observation 19 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 19: Sz77 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			
	(6)	SZ-77	RA: 15 51 46.9421 (237.9455921d) Dec: -35 56 44.49 (-35.94569d) Equinox: J2000			Proper Motion RA: -0.001033465623354674 sec of time/yr Proper Motion Dec: -0.024183000050470582 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] Extended=NO													
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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 1 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 1: Sz65 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections				Miscellaneous			
	(12)	SZ-65	RA: 15 39 27.7550 (234.8656458d) Dec: -34 46 17.55 (-34.77154d) Equinox: J2000			Proper Motion RA: -0.0010727600012357525 sec of time/yr Proper Motion Dec: -0.022121000097286014 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] Extended=NO													
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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 16 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 16: Sz90 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			
	(7)	SZ-90	RA: 16 07 10.0570 (241.7919042d) Dec: -39 11 3.65 (-39.18435d) Equinox: J2000			Proper Motion RA: -8.044375742046568E-4 sec of time/yr Proper Motion Dec: -0.025295000091318798 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] Extended=NO													
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	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 17 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 17: Sz118 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				
	(8)	SZ-118	RA: 16 09 48.6421 (242.4526754d) Dec: -39 11 17.21 (-39.18811d) Equinox: J2000			Proper Motion RA: -9.094166886520755E-4 sec of time/yr Proper Motion Dec: -0.023569999916617235 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] Extended=NO													
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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 11 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 11: Sz130 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			
	(3)	SZ-130	RA: 16 00 31.0225 (240.1292604d) Dec: -41 43 37.35 (-41.72704d) Equinox: J2000			Proper Motion RA: -9.687479861323435E-4 sec of time/yr Proper Motion Dec: -0.0233380000508987 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] Extended=NO													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180
	1	LONG(C)	MRSSHORT		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180
	3	SHORT(A)	MRSSHORT		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180

Proposal 3228 - Observation 7 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Observation	Proposal 3228, Observation 7: Sz123A Fri Mar 22 16:00:23 GMT 2024 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>SZ-123A</td> <td>RA: 16 10 51.5730 (242.7148875d) Dec: -38 53 14.13 (-38.88726d) Equinox: J2000</td> <td>Proper Motion RA: -7.701437957090766E-4 sec of time/yr Proper Motion Dec: -0.02338100007364119 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[Protoplanetary disks] Extended=NO</i></p>												#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(11)	SZ-123A	RA: 16 10 51.5730 (242.7148875d) Dec: -38 53 14.13 (-38.88726d) Equinox: J2000	Proper Motion RA: -7.701437957090766E-4 sec of time/yr Proper Motion Dec: -0.02338100007364119 arcsec/yr Epoch of Position: 2015.5																																																																																																																									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous																																																																																																																																									
(11)	SZ-123A	RA: 16 10 51.5730 (242.7148875d) Dec: -38 53 14.13 (-38.88726d) Equinox: J2000	Proper Motion RA: -7.701437957090766E-4 sec of time/yr Proper Motion Dec: -0.02338100007364119 arcsec/yr Epoch of Position: 2015.5																																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Target</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SAME</td> <td>FND</td> <td>FAST</td> <td>6</td> <td>1</td> <td>1</td> <td>16.65</td> <td>138180</td> </tr> </tbody> </table>												#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SAME	FND	FAST	6	1	1	16.65	138180																																																																																																																	
#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																																																																																																																						
1	SAME	FND	FAST	6	1	1	16.65	138180																																																																																																																																						
Template	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Primary Channel</th> <th>Simultaneous Imaging</th> <th>Imager Subarray</th> <th>Grating Wheel Direction</th> </tr> </thead> <tbody> <tr> <td>All MRS</td> <td>YES</td> <td>FULL</td> <td>NEUTRAL</td> </tr> </tbody> </table>												Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction	All MRS	YES	FULL	NEUTRAL																																																																																																																										
	Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction																																																																																																																																										
All MRS	YES	FULL	NEUTRAL																																																																																																																																											
Dithers	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Dither Type</th> <th>Optimized For</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4-Point</td> <td>POINT SOURCE</td> <td>NEGATIVE</td> </tr> </tbody> </table>												#	Dither Type	Optimized For	Direction	1	4-Point	POINT SOURCE	NEGATIVE																																																																																																																										
	#	Dither Type	Optimized For	Direction																																																																																																																																										
1	4-Point	POINT SOURCE	NEGATIVE																																																																																																																																											
Spectral Elements	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Wavelength Range</th> <th>Detector</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Dither</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>18</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1043.415</td> <td>138180</td> </tr> <tr> <td>1</td> <td>LONG(C)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>18</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1043.415</td> <td>138180</td> </tr> <tr> <td>2</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>19</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1098.916</td> <td>138180</td> </tr> <tr> <td>2</td> <td>MEDIUM(B)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>19</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1098.916</td> <td>138180</td> </tr> <tr> <td>3</td> <td></td> <td>IMAGER</td> <td>F1000W</td> <td>FASTR1</td> <td>5</td> <td>1</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>4</td> <td>55.501</td> <td>138180</td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSLONG</td> <td></td> <td>FASTR1</td> <td>22</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1265.418</td> <td>138180</td> </tr> <tr> <td>3</td> <td>SHORT(A)</td> <td>MRSSHORT</td> <td></td> <td>FASTR1</td> <td>22</td> <td>5</td> <td>1</td> <td>Dither 1</td> <td>4</td> <td>20</td> <td>1265.418</td> <td>138180</td> </tr> </tbody> </table>												#	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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	1	LONG(C)	MRSLONG		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180	1	LONG(C)	MRSSHORT		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	2	MEDIUM(B)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180	2	MEDIUM(B)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180	3	SHORT(A)	MRSLONG		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180	3	SHORT(A)	MRSSHORT		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180
	#	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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																	
	1	LONG(C)	MRSLONG		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180																																																																																																																																	
	1	LONG(C)	MRSSHORT		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180																																																																																																																																	
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																	
	2	MEDIUM(B)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180																																																																																																																																	
	2	MEDIUM(B)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180																																																																																																																																	
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180																																																																																																																																	
	3	SHORT(A)	MRSLONG		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180																																																																																																																																	
3	SHORT(A)	MRSSHORT		FASTR1	22	5	1	Dither 1	4	20	1265.418	138180																																																																																																																																		

Proposal 3228 - Observation 8 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 8: Sz111 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(10)	SZ-111	RA: 16 08 54.6720 (242.2278000d) Dec: -39 37 43.50 (-39.62875d) Equinox: J2000			Proper Motion RA: -8.375386535915942E-4 sec of time/yr Proper Motion Dec: -0.02267400004711817 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] Extended=NO													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180
	1	LONG(C)	MRSSHORT		FASTR1	18	5	1	Dither 1	4	20	1043.415	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	23	5	1	Dither 1	4	20	1320.919	138180
	3	SHORT(A)	MRSSHORT		FASTR1	23	5	1	Dither 1	4	20	1320.919	138180

Proposal 3228 - Observation 9 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 9: J1608 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			
	(13)	J16083070-3828268	RA: 16 08 30.6864 (242.1278600d) Dec: -38 28 27.24 (-38.47423d) Equinox: J2000			Proper Motion RA: -8.422660323899131E-4 sec of time/yr Proper Motion Dec: -0.025283000013587298 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] Extended=YES													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	13	5	1	Dither 1	4	20	765.911	138180
	1	LONG(C)	MRSSHORT		FASTR1	13	5	1	Dither 1	4	20	765.911	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	15	5	1	Dither 1	4	20	876.913	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	15	5	1	Dither 1	4	20	876.913	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180
	3	SHORT(A)	MRSSHORT		FASTR1	19	5	1	Dither 1	4	20	1098.916	138180

Proposal 3228 - Observation 6 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 6: Sz91 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			
	(9)	SZ-91	RA: 16 07 11.5740 (241.7982250d) Dec: -39 03 47.85 (-39.06329d) Equinox: J2000			Proper Motion RA: -8.588658480959666E-4 sec of time/yr Proper Motion Dec: -0.022775999991608842 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] Extended=NO													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		SLOWR1	9	3	1	Dither 1	4	12	2771.231	138180
	1	LONG(C)	MRSSHORT		SLOWR1	9	3	1	Dither 1	4	12	2771.231	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	36	5	1	Dither 1	4	20	2042.429	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	36	5	1	Dither 1	4	20	2042.429	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	28	5	1	Dither 1	4	20	1598.423	138180
3	SHORT(A)	MRSSHORT		FASTR1	28	5	1	Dither 1	4	20	1598.423	138180	

Proposal 3228 - Observation 10 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 10: Sz95 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				
	(1)	SZ-95	RA: 16 07 52.2969 (241.9679038d) Dec: -38 58 6.45 (-38.96846d) Equinox: J2000			Proper Motion RA: -9.095052867484856E-4 sec of time/yr Proper Motion Dec: -0.023424999949384073 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] Extended=NO													
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID				
	1	SAME	FND	FAST	6	1	1	16.65	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		SLOWR1	9	3	1	Dither 1	4	12	2771.231	191895
	1	LONG(C)	MRSSHORT		SLOWR1	9	3	1	Dither 1	4	12	2771.231	191895
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	36	5	1	Dither 1	4	20	2042.429	191895
	2	MEDIUM(B)	MRSSHORT		FASTR1	36	5	1	Dither 1	4	20	2042.429	191895
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	28	5	1	Dither 1	4	20	1598.423	191895
3	SHORT(A)	MRSSHORT		FASTR1	28	5	1	Dither 1	4	20	1598.423	191895	

Proposal 3228 - Observation 3 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Observation	Proposal 3228, Observation 3: FN Tau Fri Mar 22 16:00:23 GMT 2024 Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(15)	FN-TAU	RA: 04 14 14.6055 (63.5608563d) Dec: +28 27 57.70 (28.46603d) Equinox: J2000			Proper Motion RA: 7.086035906006519E-4 sec of time/yr Proper Motion Dec: -0.02383900007316697 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	7	3	1	Dither 1	4	12	255.304	138180
	1	LONG(C)	MRSSHORT		FASTR1	7	3	1	Dither 1	4	12	255.304	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	6	3	1	Dither 1	4	12	222.003	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	6	3	1	Dither 1	4	12	222.003	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	6	5	1	Dither 1	4	20	377.405	138180
	3	SHORT(A)	MRSSHORT		FASTR1	6	5	1	Dither 1	4	20	377.405	138180

Proposal 3228 - Observation 4 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 4: CW Tau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(16)	CW-TAU	RA: 04 14 17.0138 (63.5708908d) Dec: +28 10 57.39 (28.18261d) Equinox: J2000			Proper Motion RA: 6.159569745441051E-4 sec of time/yr Proper Motion Dec: -0.024205999943660572 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	7	3	1	Dither 1	4	12	255.304	138180
	1	LONG(C)	MRSSHORT		FASTR1	7	3	1	Dither 1	4	12	255.304	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	6	3	1	Dither 1	4	12	222.003	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	6	3	1	Dither 1	4	12	222.003	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	6	5	1	Dither 1	4	20	377.405	138180
	3	SHORT(A)	MRSSHORT		FASTR1	6	5	1	Dither 1	4	20	377.405	138180

Proposal 3228 - Observation 12 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 12: V836Tau 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				
	(22)	V836-TAU	RA: 05 03 6.6023 (75.7775096d) Dec: +25 23 19.34 (25.38871d) Equinox: J2000			Proper Motion RA: 2.2071687251253342E-4 sec of time/yr Proper Motion Dec: -0.017303999948126148 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	6	1	1	16.65	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	1	LONG(C)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180
	3	SHORT(A)	MRSSHORT		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180

Proposal 3228 - Observation 13 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 13: HOTau 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				
	(19)	HO-TAU	RA: 04 35 20.2214 (68.8342558d) Dec: +22 32 14.30 (22.53731d) Equinox: J2000			Proper Motion RA: 7.016516861765587E-4 sec of time/yr Proper Motion Dec: -0.016898000080800557 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	F560W	FAST	6	1	1	16.65	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	1	LONG(C)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180
	3	SHORT(A)	MRSSHORT		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180

Proposal 3228 - Observation 113 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 113: HOTau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy <i>Comments: Replacement for observation 13 which had the wrong TA filter</i>												
	(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(19)	HO-TAU	RA: 04 35 20.2214 (68.8342558d) Dec: +22 32 14.30 (22.53731d) Equinox: J2000			Proper Motion RA: 7.016516861765587E-4 sec of time/yr Proper Motion Dec: -0.016898000080800557 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	6	1	1	16.65	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	1	LONG(C)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	20	5	1	Dither 1	4	20	1154.417	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180
	3	SHORT(A)	MRSSHORT		FASTR1	24	5	1	Dither 1	4	20	1376.42	138180

Proposal 3228 - Observation 18 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 18: IPTau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(17)	IP-TAU	RA: 04 24 57.0921 (66.2378838d) Dec: +27 11 56.13 (27.19892d) Equinox: J2000			Proper Motion RA: 6.227244525851306E-4 sec of time/yr Proper Motion Dec: -0.026541000079305377 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 123 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 123: IPTau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 123:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(17)	IP-TAU	RA: 04 24 57.0921 (66.2378838d) Dec: +27 11 56.13 (27.19892d) Equinox: J2000			Proper Motion RA: 6.227244525851306E-4 sec of time/yr Proper Motion Dec: -0.026541000079305377 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 20 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 20: DSTau 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				
	(21)	DS-TAU	RA: 04 47 48.6015 (71.9525062d) Dec: +29 25 10.81 (29.41967d) Equinox: J2000			Proper Motion RA: 3.864322877527037E-4 sec of time/yr Proper Motion Dec: -0.024439000071652117 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 120 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 120: DSTau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy Comments: Repeat of failed observation 20												
	(Visit 120:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(21)	DS-TAU	RA: 04 47 48.6015 (71.9525062d) Dec: +29 25 10.81 (29.41967d) Equinox: J2000			Proper Motion RA: 3.864322877527037E-4 sec of time/yr Proper Motion Dec: -0.024439000071652117 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 21 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 21: G1Tau 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				
	(18)	GI-TAU	RA: 04 33 34.0675 (68.3919479d) Dec: +24 21 16.75 (24.35465d) Equinox: J2000			Proper Motion RA: 4.2180275348938106E-4 sec of time/yr Proper Motion Dec: -0.02064199998130789 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 121 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 121: G1Tau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy <i>Comments: Replacement for observation 21 which had the wrong TA filter</i>												
	(Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(18)	GI-TAU	RA: 04 33 34.0675 (68.3919479d) Dec: +24 21 16.75 (24.35465d) Equinox: J2000			Proper Motion RA: 4.2180275348938106E-4 sec of time/yr Proper Motion Dec: -0.02064199998130789 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 22 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 22: DETau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(14)	DE-TAU	RA: 04 21 55.6472 (65.4818633d) Dec: +27 55 5.76 (27.91827d) Equinox: J2000			Proper Motion RA: 8.015544628184243E-4 sec of time/yr Proper Motion Dec: -0.02719800088901608 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel			Simultaneous Imaging			Imager Subarray			Grating Wheel Direction			
	All MRS			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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 122 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 122: DETau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy												
	(Visit 122:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(14)	DE-TAU	RA: 04 21 55.6472 (65.4818633d) Dec: +27 55 5.76 (27.91827d) Equinox: J2000			Proper Motion RA: 8.015544628184243E-4 sec of time/yr Proper Motion Dec: -0.02719800088901608 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	1	LONG(C)	MRSSHORT		FASTR1	9	5	1	Dither 1	4	20	543.908	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	11	5	1	Dither 1	4	20	654.909	138180
	3	SHORT(A)	MRSSHORT		FASTR1	11	5	1	Dither 1	4	20	654.909	138180

Proposal 3228 - Observation 5 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the i...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 5: HQTau 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				
	(20)	HQ-TAU	RA: 04 35 47.3479 (68.9472829d) Dec: +22 50 21.39 (22.83927d) Equinox: J2000			Proper Motion RA: 7.861712878166242E-4 sec of time/yr Proper Motion Dec: -0.018979999958901317 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	F560W	FAST	4	1	1	11.1	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180

Proposal 3228 - Observation 105 - The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to th...

Fri Mar 22 16:00:23 GMT 2024

Observation	Proposal 3228, Observation 105: HQTau Diagnostic Status: Warning Observing Template: MIRI Medium Resolution Spectroscopy <i>Comments: Replacement for observation 5 which had the wrong TA filter</i>												
	(Visit 105:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous				
	(20)	HQ-TAU	RA: 04 35 47.3479 (68.9472829d) Dec: +22 50 21.39 (22.83927d) Equinox: J2000			Proper Motion RA: 7.861712878166242E-4 sec of time/yr Proper Motion Dec: -0.018979999958901317 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	138180				
Template	Primary Channel		Simultaneous Imaging			Imager Subarray			Grating Wheel Direction				
	All MRS		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	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	1	LONG(C)	MRSLONG		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	1	LONG(C)	MRSSHORT		FASTR1	10	5	1	Dither 1	4	20	599.409	138180
	2		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	2	MEDIUM(B)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	2	MEDIUM(B)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3		IMAGER	F1000W	FASTR1	5	1	1	Dither 1	4	4	55.501	138180
	3	SHORT(A)	MRSLONG		FASTR1	12	5	1	Dither 1	4	20	710.41	138180
	3	SHORT(A)	MRSSHORT		FASTR1	12	5	1	Dither 1	4	20	710.41	138180