



## 2820 - Deciphering the silicate composition of Centaurs and small TNOs

Cycle: 2, 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>
Chariklo				
	1	Chariklo - MRS	MIRI Medium Resolution Spectroscopy	(1) CHARIKLO-MRS
	2	Chariklo - MRS - Background	MIRI Medium Resolution Spectroscopy	(2) CHARIKLO-MRS-Background
	3	Chariklo - LRS	MIRI Low Resolution Spectroscopy	(3) CHARIKLO-LRS
2002GG166				
	7	2002GG166 - MRS	MIRI Medium Resolution Spectroscopy	(7) 2002GG166-MRS
	8	2002GG166 - MRS - Background	MIRI Medium Resolution Spectroscopy	(8) 2002GG166-MRS-Background
	9	2002GG166 - LRS	MIRI Low Resolution Spectroscopy	(9) 2002GG166-LRS
1999OX3				
	10	1999OX3 - MRS	MIRI Medium Resolution Spectroscopy	(10) 1999OX3-MRS

JWST Proposal 2820 (Created: Tuesday, March 19, 2024 at 2:00:20 PM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	11	1999OX3 - MRS - Background	MIRI Medium Resolution Spectroscopy	(11) 1999OX3-MRS-Background
	12	1999OX3 - LRS	MIRI Low Resolution Spectroscopy	(12) 1999OX3-LRS
	13	1999OX3 - MRS	MIRI Medium Resolution Spectroscopy	(10) 1999OX3-MRS
	14	1999OX3 - MRS - Background	MIRI Medium Resolution Spectroscopy	(11) 1999OX3-MRS-Background
	17	1999OX3 - LRS	MIRI Low Resolution Spectroscopy	(12) 1999OX3-LRS
Bienor				
	20	Bienor - MRS	MIRI Medium Resolution Spectroscopy	(13) BIENOR-MRS
	21	Bienor - MRS - Background	MIRI Medium Resolution Spectroscopy	(14) BIENOR-MRS-Background
	29	Bienor - MRS - Background	MIRI Medium Resolution Spectroscopy	(14) BIENOR-MRS-Background
	22	Bienor - LRS	MIRI Low Resolution Spectroscopy	(15) BIENOR-LRS
2013LU28				
	23	2013LU28 - MRS	MIRI Medium Resolution Spectroscopy	(16) 2013LU28-MRS
	24	2013LU28 - MRS - Background	MIRI Medium Resolution Spectroscopy	(17) 2013LU28--MRS-Background
	25	2013LU28 - LRS	MIRI Low Resolution Spectroscopy	(18) 2013LU28-LRS
2020VF1				
	26	2020VF1 - MRS	MIRI Medium Resolution Spectroscopy	(19) 2020VF1-MRS
	27	2020VF1 - MRS - Background	MIRI Medium Resolution Spectroscopy	(20) 2020VF1-MRS-Background
	28	2020VF1 - LRS	MIRI Low Resolution Spectroscopy	(21) 2020VF1-LRS

**ABSTRACT**

Outer solar system small bodies (Centaur, Comets, small TNOs) hold the residual ingredients from our young protosolar disk that are still observable today. Thus, by measuring their composition and distribution across the solar system we have the potential to unravel the scenario of our planetary system’s formation and dynamical evolution, providing a benchmark to which other stellar systems can be compared. We propose performing spectroscopic observations with MIRI (over the 5-28 micron range) of 2 Centaur and 2 small TNOs to constrain their silicate composition. We will observe a “less red” and a “very red” object within each population. Our proposed investigation will first enhance our understanding of the overall compositional diversity among primitive outer solar system small bodies, thereby complementing Cycle 1 observations of these bodies with NIRSspec. Second, we will provide critical information regarding the extent of radial mixing among primordial small bodies

which took place during their early reorganization. Specifically, our measurements will allow us to confirm/refute the genetic link between outer (Centaur, small TNOs) and inner (P/D type asteroids, Jupiter Trojans) solar system small bodies, as advocated by the Nice model. Finally, our proposed observations will provide unique constraints on the primordial heliocentric compositional gradient present in the outer (>10 AU) protosolar disk.

### **OBSERVING DESCRIPTION**

We will measure the surface composition through mid-infrared spectroscopy with MIRI of 4 small (diameter < 300 km) outer solar system bodies (2 Centaurs, and 2 scattered TNOs). As a byproduct, the proposed observations will provide the distribution of silicates across the primordial outer (>10AU) solar system protoplanetary disk, complementing well the constraints already obtained by measuring the composition of cometary dust.

Both the low-resolution (5-14 m) and the medium-resolution (5-28 m) spectroscopy modes of the JWST/MIRI instrument will be used to cover the diagnostic 5-28 m range. The low-resolution mode will allow achieving a higher SNR in the critical 10-micron region where silicates display the strongest emission feature. In the wavelength range covered by the medium-resolution mode, a spectral resolution of 100-200 is sufficient to capture the most diagnostic stretching and bending silicate emission modes. We will therefore rebin the R~1500-3000 data acquired in medium-resolution mode to R~100-200, thus increasing the SNR.

Proposal 2820 - Targets - Deciphering the silicate composition of Centaurs and small TNOs

#	Name	Level 1	Level 2	Level 3
(1)	CHARIKLO-MRS	TYPE=ASTEROID,A=15.77219913902357,E=0.1721 761705095513,I=23.41030742077145 ,O=300.3820405255711,W=241.8921635692953,M=6 4.95096762345936,EQUINOX=J2000,EPOCH=15- APR-2015:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				
(2)	CHARIKLO-MRS- Background	TYPE=ASTEROID,A=15.77219913902357,E=0.1721 761705095513,I=23.41030742077145 ,O=300.3820405255711,W=241.8921635692953,M=6 4.95096762345936,EQUINOX=J2000,EPOCH=15- APR-2015:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH	
<i>Comments: Extended=YES</i>				
(3)	CHARIKLO-LRS	TYPE=ASTEROID,A=15.77219913902357,E=0.1721 761705095513,I=23.41030742077145 ,O=300.3820405255711,W=241.8921635692953,M=6 4.95096762345936,EQUINOX=J2000,EPOCH=15- APR-2015:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				
(7)	2002GG166-MRS	TYPE=ASTEROID,A=34.61872296941969,E=0.5905 058354256507,I=7.699139068226591 ,O=32.96495171552779,W=274.7922463383364,M=3 37.0507840757664,EQUINOX=J2000,EPOCH=22- MAR-2016:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				
(8)	2002GG166-MRS- Background	TYPE=ASTEROID,A=34.61872296941969,E=0.5905 058354256507,I=7.699139068226591 ,O=32.96495171552779,W=274.7922463383364,M=3 37.0507840757664,EQUINOX=J2000,EPOCH=22- MAR-2016:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH	
<i>Comments: Extended=YES</i>				
(9)	2002GG166-LRS	TYPE=ASTEROID,A=34.61872296941969,E=0.5905 058354256507,I=7.699139068226591 ,O=32.96495171552779,W=274.7922463383364,M=3 37.0507840757664,EQUINOX=J2000,EPOCH=22- MAR-2016:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				
(10)	1999OX3-MRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				
(11)	1999OX3-MRS-Background	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH	
<i>Comments: Extended=YES</i>				
(12)	1999OX3-LRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB		
<i>Comments: Extended=NO</i>				

Solar System Targets

## Proposal 2820 - Targets - Deciphering the silicate composition of Centaurs and small TNOs

(13)	BIENOR-MRS	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 .O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			
(14)	BIENOR-MRS-Background	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 .O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH
<i>Comments: Extended=YES</i>			
(15)	BIENOR-LRS	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 .O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			
(16)	2013LU28-MRS	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 .O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			
(17)	2013LU28--MRS-Background	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 .O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH
<i>Comments: Extended=YES</i>			
(18)	2013LU28-LRS	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 .O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			
(19)	2020VF1-MRS	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 .O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			
(20)	2020VF1-MRS-Background	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 .O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB	TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH
<i>Comments: Extended=YES</i>			
(21)	2020VF1-LRS	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 .O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB	
<i>Comments: Extended=NO</i>			

Proposal 2820 - Observation 1 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:20 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 1: Chariklo - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Chariklo - MRS - Background (Obs 2)]												
	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Chariklo - MRS (Obs 1)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(1)	CHARIKLO-MRS	TYPE=ASTEROID,A=15.77219913902357,E=0.1721761705095513,I=23.41030742077145,O=300.3820405255711,W=241.8921635692953,M=64.95096762345936,EQUINOX=J2000,EPOCH=15-APR-2015:00:00:00,EpochTimeScale=TDB										
<i>Comments: Extended=NO</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	4	1	1	11.1	160425.14				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			YES			FULL			NEUTRAL			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>				<b>Direction</b>			
	1	4-Point				POINT SOURCE				NEGATIVE			
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	35	1	1	Dither 1	4	4	3344.589	
	1	SHORT(A)	MRSLONG		SLOWR1	35	1	1	Dither 1	4	4	3344.589	
	1	SHORT(A)	MRSSHORT		SLOWR1	35	1	1	Dither 1	4	4	3344.589	
	2		IMAGER	F1130W	SLOWR1	26	1	1	Dither 1	4	4	2484.552	
	2	MEDIUM(B)	MRSLONG		SLOWR1	26	1	1	Dither 1	4	4	2484.552	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	26	1	1	Dither 1	4	4	2484.552	
	3		IMAGER	F1130W	SLOWR1	21	1	1	Dither 1	4	4	2006.753	
	3	LONG(C)	MRSLONG		SLOWR1	21	1	1	Dither 1	4	4	2006.753	
	3	LONG(C)	MRSSHORT		SLOWR1	21	1	1	Dither 1	4	4	2006.753	

Proposal 2820 - Observation 1 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 1, 2, 3, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE CHARIKLO-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 2 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:20 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 2: Chariklo - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Chariklo - MRS (Obs 1)]												
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Chariklo - MRS - Background (Obs 2)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(2)	CHARIKLO-MRS-Background	TYPE=ASTEROID,A=15.77219913902357,E=0.1721761705095513,I=23.41030742077145,O=300.3820405255711,W=241.8921635692953,M=64.95096762345936,EQUINOX=J2000,EPOCH=15-APR-2015:00:00:00,EpochTimeScale=TDB				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<i>Comments: Extended=YES</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>		<b>Grating Wheel Direction</b>		
	F1500W	All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	35	1	1	None	1	1	836.147	
	1	SHORT(A)	MRSLONG		SLOWR1	35	1	1	None	1	1	836.147	
	1	SHORT(A)	MRSSHORT		SLOWR1	35	1	1	None	1	1	836.147	
	2		IMAGER	F1130W	SLOWR1	26	1	1	None	1	1	621.138	
	2	MEDIUM(B)	MRSLONG		SLOWR1	26	1	1	None	1	1	621.138	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	26	1	1	None	1	1	621.138	
	3		IMAGER	F1130W	SLOWR1	21	1	1	None	1	1	501.688	
	3	LONG(C)	MRSLONG		SLOWR1	21	1	1	None	1	1	501.688	
	3	LONG(C)	MRSSHORT		SLOWR1	21	1	1	None	1	1	501.688	

Proposal 2820 - Observation 2 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 1, 2, 3, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE CHARIKLO-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 3 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:20 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 3: Chariklo - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Chariklo - LRS (Obs 3)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(3)	CHARIKLO-LRS	TYPE=ASTEROID,A=15.77219913902357,E=0.1721761705095513,I=23.41030742077145,O=300.3820405255711,W=241.8921635692953,M=64.95096762345936,EQUINOX=J2000,EPOCH=15-APR-2015:00:00:00,EpochTimeScale=TDB							
<i>Comments: Extended=NO</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	4	1	1	11.1	160425.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 3 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time ETC Wkbk.Calc ID
	Spectral Requirements	1	SLOWR1	47	1	2	1	2
	Sequence Observations 1, 2, 3, Non-interruptible DEFAULT WINDOW: ANGULAR RATE CHARIKLO-LRS FROM JWST LESS THAN 0.075							

Proposal 2820 - Observation 7 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 7: 2002GG166 - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[2002GG166 - MRS - Background (Obs 8)]												
	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2002GG166 - MRS (Obs 7)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(7)	2002GG166-MRS	TYPE=ASTEROID,A=34.61872296941969,E=0.5905 058354256507,I=7.699139068226591 ,O=32.96495171552779,W=274.7922463383364,M=3 37.0507840757664,EQUINOX=J2000,EPOCH=22- MAR-2016:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	4	1	1	11.1	160493.14				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			YES			FULL			NEUTRAL			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>				<b>Direction</b>			
	1	4-Point				POINT SOURCE				NEGATIVE			
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	

Proposal 2820 - Observation 7 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 7, 8, 9, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2002GG166-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 8 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 8: 2002GG166 - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [2002GG166 - MRS (Obs 7)]												
	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2002GG166 - MRS - Background (Obs 8)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(8)	2002GG166-MRS-Background	TYPE=ASTEROID,A=34.61872296941969,E=0.5905058354256507,I=7.699139068226591,O=32.96495171552779,W=274.7922463383364,M=337.0507840757664,EQUINOX=J2000,EPOCH=22-MAR-2016:00:00:00,EpochTimeScale=TDB				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<i>Comments: Extended=YES</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>		<b>Grating Wheel Direction</b>		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

Proposal 2820 - Observation 8 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 7, 8, 9, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2002GG166-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 9 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 9: 2002GG166 - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2002GG166 - LRS (Obs 9)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Diagnosics</b>										
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(9)	2002GG166-LRS	TYPE=ASTEROID,A=34.61872296941969,E=0.5905 058354256507,I=7.699139068226591 .O=32.96495171552779,W=274.7922463383364,M=3 37.0507840757664,EQUINOX=J2000,EPOCH=22- MAR-2016:00:00:00,EpochTimeScale=TDB							
<i>Comments: Extended=NO</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	4	1	1	11.1	160493.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 9 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	SLOWR1	47	1	2	1	2	2245.652	
Special Requirements	Sequence Observations 7, 8, 9, Non-interruptible								
	DEFAULT WINDOW: ANGULAR RATE 2002GG166-LRS FROM JWST LESS THAN 0.075								

Proposal 2820 - Observation 10 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 10: 1999OX3 - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[1999OX3 - MRS - Background (Obs 11)]												
	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - MRS (Obs 10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(10)	1999OX3-MRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB Comments: Extended=NO										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	8	1	1	22.2	160492.14				
<b>Template</b>	<b>Primary Channel</b>		<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>				
	All MRS		YES			FULL			NEUTRAL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>				<b>Direction</b>			
	1	4-Point				POINT SOURCE				NEGATIVE			
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	SHORT(A)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	LONG(C)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	LONG(C)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	

Proposal 2820 - Observation 10 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 10, 11, 12, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 1999OX3-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 11 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 11: 1999OX3 - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [1999OX3 - MRS (Obs 10)]												
	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - MRS - Background (Obs 11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnostics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(11)	1999OX3-MRS-Background	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB  Comments: Extended=YES				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	<b>#</b>	<b>Target</b>											
	1	NONE											
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>		<b>Grating Wheel Direction</b>		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

## Proposal 2820 - Observation 11 - Deciphering the silicate composition of Centaurs and small TNOs

### Special Requirements

Sequence Observations 10, 11, 12, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 1999OX3-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 12 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 12: 1999OX3 - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - LRS (Obs 12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(12)	1999OX3-LRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 .O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	8	1	1	22.2	160492.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 12 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	Special Requirements	1	SLOWR1	47	1	2	1	2	2245.652
Sequence Observations 10, 11, 12, Non-interruptible DEFAULT WINDOW: ANGULAR RATE 1999OX3-LRS FROM JWST LESS THAN 0.075									

Proposal 2820 - Observation 13 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 13: 1999OX3 - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[1999OX3 - MRS - Background (Obs 14)]												
	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - MRS (Obs 13)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnostics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(10)	1999OX3-MRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB Comments: Extended=NO										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	8	1	1	22.2	160492.14				
<b>Template</b>	<b>Primary Channel</b>			<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>			
	All MRS			YES			FULL			NEUTRAL			
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>				<b>Direction</b>			
	1	4-Point				POINT SOURCE				NEGATIVE			
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	

Proposal 2820 - Observation 13 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 13, 14, 17, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 1999OX3-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 14 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 14: 1999OX3 - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [1999OX3 - MRS (Obs 13)]												
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - MRS - Background (Obs 14)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnostics</b>													
<b>Solar System Targets</b>	#	Name	Level 1				Level 2				Level 3		
	(11)	1999OX3-MRS-Background	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 ,O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB  Comments: Extended=YES				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	#											Target	
	1											NONE	
<b>Template</b>	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray		Grating Wheel Direction		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	#	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	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

Proposal 2820 - Observation 14 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 13, 14, 17, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 1999OX3-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 17 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 17: 1999OX3 - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (1999OX3 - LRS (Obs 17)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(12)	1999OX3-LRS	TYPE=ASTEROID,A=32.07022618307253,E=0.4517 483167832187,I=2.624215474975572 .O=259.1501482799198,W=144.5843214879876,M=3 45.7387482151751,EQUINOX=J2000,EPOCH=15- DEC-2016:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	8	1	1	22.2	160492.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 17 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	Special Requirements	1	SLOWR1	47	1	2	1	2	2245.652
Sequence Observations 13, 14, 17, Non-interruptible DEFAULT WINDOW: ANGULAR RATE 1999OX3-LRS FROM JWST LESS THAN 0.075									

Proposal 2820 - Observation 20 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 20: Bienor - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[Bienor - MRS - Background (Obs 21)]												
	(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Bienor - MRS (Obs 20)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>			<b>Level 2</b>			<b>Level 3</b>				
	(13)	BIENOR-MRS	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 .O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB										
<i>Comments: Extended=NO</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	4	1	1	11.1	190431.14				
<b>Template</b>	<b>Primary Channel</b>		<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>				
	All MRS		YES			FULL			NEUTRAL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>			<b>Optimized For</b>			<b>Direction</b>					
	1	4-Point			POINT SOURCE			NEGATIVE					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	

Proposal 2820 - Observation 20 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 20, 21, 22, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE BIENOR-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 21 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 21: Bienor - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [Bienor - MRS (Obs 20)]												
	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Bienor - MRS - Background (Obs 21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	#	Name	Level 1				Level 2				Level 3		
	(14)	BIENOR-MRS-Background	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 ,O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB  Comments: Extended=YES				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray		Grating Wheel Direction		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	#	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	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

Proposal 2820 - Observation 21 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 20, 21, 22, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE BIENOR-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 29 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 29: Bienor - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: []												
	(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Bienor - MRS - Background (Obs 29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	#	Name	Level 1				Level 2				Level 3		
	(14)	BIENOR-MRS-Background	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 ,O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB Comments: Extended=YES				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	#	Target											
	1	NONE											
<b>Template</b>	AcqFilter	Primary Channel				Simultaneous Imaging			Imager Subarray		Grating Wheel Direction		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	#	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	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

Proposal 2820 - Observation 29 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

DEFAULT WINDOW: ANGULAR RATE BIENOR-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 22 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 22: Bienor - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Bienor - LRS (Obs 22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(15)	BIENOR-LRS	TYPE=ASTEROID,A=16.46888586661767,E=0.2013 508247890193,I=20.75304513846427 .O=337.8877578500313,W=153.2858645776215,M=2 97.3495177098973,EQUINOX=J2000,EPOCH=17- JUN-2016:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	4	1	1	11.1	190431.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 22 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
		1	SLOWR1	47	1	2	1	2	2245.652
Special Requirements	Sequence Observations 20, 21, 22, Non-interruptible								
	DEFAULT WINDOW: ANGULAR RATE BIENOR-LRS FROM JWST LESS THAN 0.075								

Proposal 2820 - Observation 23 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 23: 2013LU28 - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[2013LU28 - MRS - Background (Obs 24)]												
	(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2013LU28 - MRS (Obs 23)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>			<b>Level 2</b>			<b>Level 3</b>				
	(16)	2013LU28-MRS	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 .O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB										
<i>Comments: Extended=NO</i>													
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	4	1	1	11.1	190448.14				
<b>Template</b>	<b>Primary Channel</b>		<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>				
	All MRS		YES			FULL			NEUTRAL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>			<b>Optimized For</b>			<b>Direction</b>					
	1	4-Point			POINT SOURCE			NEGATIVE					
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/E xp</b>	<b>Exposures/Dit h</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	1	LONG(C)	MRSLONG		SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	1	LONG(C)	MRSSHORT		SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	2		IMAGER	F1130W	SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	2	MEDIUM(B)	MRSLONG		SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	3		IMAGER	F1130W	SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	3	SHORT(A)	MRSLONG		SLOWR1	25	1	1	Dither 1	4	4	2388.992	
	3	SHORT(A)	MRSSHORT		SLOWR1	25	1	1	Dither 1	4	4	2388.992	

## Proposal 2820 - Observation 23 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 23, 24, 25, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2013LU28-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 24 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 24: 2013LU28 - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [2013LU28 - MRS (Obs 23)]												
	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2013LU28 - MRS - Background (Obs 24)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(17)	2013LU28--MRS-Background	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 ,O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=YES</i>				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	<b>#</b>											<b>Target</b>	
	1											NONE	
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>		<b>Grating Wheel Direction</b>		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	25	1	1	None	1	1	597.248	
	1	LONG(C)	MRSLONG		SLOWR1	25	1	1	None	1	1	597.248	
	1	LONG(C)	MRSSHORT		SLOWR1	25	1	1	None	1	1	597.248	
	2		IMAGER	F1130W	SLOWR1	25	1	1	None	1	1	597.248	
	2	MEDIUM(B)	MRSLONG		SLOWR1	25	1	1	None	1	1	597.248	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	25	1	1	None	1	1	597.248	
	3		IMAGER	F1130W	SLOWR1	25	1	1	None	1	1	597.248	
	3	SHORT(A)	MRSLONG		SLOWR1	25	1	1	None	1	1	597.248	
	3	SHORT(A)	MRSSHORT		SLOWR1	25	1	1	None	1	1	597.248	

## Proposal 2820 - Observation 24 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 23, 24, 25, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2013LU28--MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 25 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 25: 2013LU28 - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2013LU28 - LRS (Obs 25)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Diagnosics</b>										
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(18)	2013LU28-LRS	TYPE=ASTEROID,A=189.0567190194844,E=0.9537 813623698392,I=125.3502706944271 .O=275.9725576840405,W=152.970343364402,M=35 9.4917335135707,EQUINOX=J2000,EPOCH=19- OCT-2020:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	4	1	1	11.1	190448.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

Proposal 2820 - Observation 25 - Deciphering the silicate composition of Centaurs and small TNOs

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	SLOWR1	47	1	2	1	2	2245.652	
Special Requirements	Sequence Observations 23, 24, 25, Non-interruptible								
	DEFAULT WINDOW: ANGULAR RATE 2013LU28-LRS FROM JWST LESS THAN 0.075								

Proposal 2820 - Observation 26 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 26: 2020VF1 - MRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observations:[2020VF1 - MRS - Background (Obs 27)]												
	(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2020VF1 - MRS (Obs 26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnostics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(19)	2020VF1-MRS	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 ,O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>										
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>				
	1	SAME	F1500W	FAST	4	1	1	11.1	190450.14				
<b>Template</b>	<b>Primary Channel</b>		<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>			<b>Grating Wheel Direction</b>				
	All MRS		YES			FULL			NEUTRAL				
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>				<b>Optimized For</b>				<b>Direction</b>			
	1	4-Point				POINT SOURCE				NEGATIVE			
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	SHORT(A)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	1	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3		IMAGER	F1130W	SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	LONG(C)	MRSLONG		SLOWR1	27	1	1	Dither 1	4	4	2580.111	
	3	LONG(C)	MRSSHORT		SLOWR1	27	1	1	Dither 1	4	4	2580.111	

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Special Requirements

Sequence Observations 26, 27, 28, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2020VF1-MRS FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 27 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 27: 2020VF1 - MRS - Background</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Medium Resolution Spectroscopy Background Observation For: [2020VF1 - MRS (Obs 26)]												
	(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2020VF1 - MRS - Background (Obs 27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.												
<b>Diagnosics</b>													
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>				<b>Level 2</b>				<b>Level 3</b>		
	(20)	2020VF1-MRS-Background	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 ,O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB  Comments: Extended=YES				TYPE=POS_ANGLE,RAD=30,ANG=0,REF=NORTH						
<b>Acquisition</b>	<b>#</b>											<b>Target</b>	
	1											NONE	
<b>Template</b>	<b>AcqFilter</b>	<b>Primary Channel</b>				<b>Simultaneous Imaging</b>			<b>Imager Subarray</b>		<b>Grating Wheel Direction</b>		
		All MRS				YES			FULL		NEUTRAL		
<b>Spectral Elements</b>	<b>#</b>	<b>Wavelength Range</b>	<b>Detector</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Exposures/Dith</b>	<b>Dither</b>	<b>Total Dithers</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>
	1		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	1	SHORT(A)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	1	SHORT(A)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	2		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	2	MEDIUM(B)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	
	3		IMAGER	F1130W	SLOWR1	27	1	1	None	1	1	645.028	
	3	LONG(C)	MRSLONG		SLOWR1	27	1	1	None	1	1	645.028	
	3	LONG(C)	MRSSHORT		SLOWR1	27	1	1	None	1	1	645.028	

## Proposal 2820 - Observation 27 - Deciphering the silicate composition of Centaurs and small TNOs

Special Requirements

Sequence Observations 26, 27, 28, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE 2020VF1-MRS-Background FROM JWST LESS THAN 0.075

Proposal 2820 - Observation 28 - Deciphering the silicate composition of Centaurs and small TNOs

Tue Mar 19 19:00:21 GMT 2024

<b>Observation</b>	<b>Proposal 2820, Observation 28: 2020VF1 - LRS</b> <b>Diagnostic Status: Warning</b> Observing Template: MIRI Low Resolution Spectroscopy									
	(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (2020VF1 - LRS (Obs 28)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Diagnosics</b>										
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>			<b>Level 3</b>			
	(21)	2020VF1-LRS	TYPE=ASTEROID,A=24.52245632794695,E=0.6577 131400137988,I=53.4645433123622 .O=251.0470472457331,W=219.7233653005167,M=3 54.4102012162721,EQUINOX=J2000,EPOCH=01- DEC-2021:00:00:00,EpochTimeScale=TDB  <i>Comments: Extended=NO</i>							
<b>Acquisition</b>	<b>#</b>	<b>Target</b>	<b>Filter</b>	<b>Readout Pattern</b>	<b>Groups/Int</b>	<b>Integrations/Exp</b>	<b>Total Integrations</b>	<b>Total Exposure Time</b>	<b>ETC Wkbk.Calc ID</b>	
	1	SAME	F1500W	FAST	4	1	1	11.1	190450.14	
<b>Template</b>	<b>Subarray</b>				<b>Obtain Verification Image?</b>					
	FULL				true					
<b>Dithers</b>	<b>#</b>	<b>Dither Type</b>	<b>No. Spectral Steps</b>	<b>Spectral Step Offset</b>	<b>No. Spatial Steps</b>	<b>Spatial Step Offset</b>				
	1	ALONG SLIT NOD								
<b>Pointing Verification</b>	<b>#</b>	<b>PV Readout Pattern</b>	<b>PV Groups/Int</b>	<b>PV Integrations/Exp</b>	<b>PV Total Integrations</b>	<b>PV Exposures/Dith</b>	<b>PV Total Dithers</b>	<b>PV Total Exposure Time</b>	<b>PV ETC Wkbk.Calc ID</b>	<b>Filter</b>
	1	FASTR1	5	1	1	1	1	13.875		F1500W

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Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	SLOWR1	47	1	2	1	2	2245.652	
Special Requirements	Sequence Observations 26, 27, 28, Non-interruptible								
	DEFAULT WINDOW: ANGULAR RATE 2020VF1-LRS FROM JWST LESS THAN 0.075								