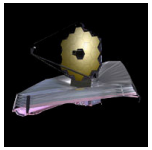

3794 - MEGA Mass Assembly at Cosmic Noon: MIRI EGS Galaxy and AGN Survey

Cycle: 2, Proposal Category: GO

INVESTIGATORS

Name	*Institution*
Dr. Allison Kirkpatrick (PI)	**University of Kansas Center for Research, Inc.**
Dr. Jeyhan Kartaltepe (CoI)	Rochester Institute of Technology
Prof. Dale D. Kocevski (CoI)	Colby College
Dr. Casey Papovich (CoI)	Texas A & M University
Dr. Guang Yang (CoI) (ESA Member)	Kapteyn Astronomical Institute
Erini Lambrides (CoI)	NASA Goddard Space Flight Center
Dr. Anton M. Koekemoer (CoI)	Space Telescope Science Institute

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	2	MIRI 1	MIRI Imaging	(2) MIRI-1
	3	MIRI 2	MIRI Imaging	(3) MIRI-2
	4	MIRI 3	MIRI Imaging	(5) MIRI-3
	5	MIRI 4	MIRI Imaging	(4) MIRI-4
	6	MIRI 5	MIRI Imaging	(6) MIRI-5
	7	MIRI 6	MIRI Imaging	(7) MIRI-6
	8	MIRI 7	MIRI Imaging	(8) MIRI-7
	9	MIRI 8	MIRI Imaging	(9) MIRI-8
	29	MIRI 8	MIRI Imaging	(9) MIRI-8
	10	MIRI 9	MIRI Imaging	(10) MIRI-9
	11	MIRI 10	MIRI Imaging	(11) MIRI-10
	12	MIRI 11	MIRI Imaging	(12) MIRI-11

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	13	MIRI 12	MIRI Imaging	(13) MIRI-12
	14	MIRI 13	MIRI Imaging	(14) MIRI-13
	15	MIRI 14	MIRI Imaging	(15) MIRI-14
	16	MIRI 15	MIRI Imaging	(16) MIRI-15
	17	MIRI 16	MIRI Imaging	(17) MIRI-16
	18	MIRI 17	MIRI Imaging	(18) MIRI-17
	19	MIRI 18	MIRI Imaging	(19) MIRI-18
	20	MIRI 19	MIRI Imaging	(20) MIRI-19
	21	MIRI 20	MIRI Imaging	(22) MIRI-20
	22	MIRI 21	MIRI Imaging	(21) MIRI-21
	23	MIRI 22	MIRI Imaging	(23) MIRI-22
	24	MIRI 23	MIRI Imaging	(24) MIRI-23
	25	MIRI 24	MIRI Imaging	(25) MIRI-24
	26	MIRI 25	MIRI Imaging	(26) MIRI-25
	28	MIRI 27	MIRI Imaging	(28) MIRI-27

ABSTRACT

Cosmic Noon (z=1-3) was the heyday of stellar and black hole mass assembly in the Universe. Yet, our picture of these processes is incomplete due to limitations of the previous generation of infrared telescopes. As the gas fractions increase with increasing redshift, so does the presence of dust in galaxies, obscuring star formation and black hole growth. Understanding the coeval buildup of stars and the central supermassive black holes in galaxies requires resolved observations which only JWST can provide. We propose a MIRI Survey covering ERS NIRCam observations of the EGS field. We will use the 770W, 1000W, 1500W, 2100W filters, in order to observe dust-obscured star formation and black hole growth during this important epoch of galaxy evolution. We predict we will observe >3000 galaxies at z=0.5-3.5. Our survey reaches an order of magnitude below the knee of the luminosity function at these redshifts. We will combine MIRI + NIRCam + existing HST to measure stellar mass, black hole mass, star formation rates, and black hole accretion rates. We will determine, for the first time, the cosmic star formation rate density occuring in galaxies that are simultaneously hosting active galactic nuclei and building up their stellar mass. We will determine the location of hundreds of active galactic nuclei (obscured, low luminosity, or in lower mass galaxies) on the main sequence--a novel measurement at this redshift range. Finally, we will combine with HST observations to determine the spatial distribution of unobscured and obscured star formation in galaxies as a function of mass and redshift. All of these measurements are only now possible due to the resolution of JWST/MIRI.

OBSERVING DESCRIPTION

We request 26 MIRI pointings in the EGS field, to complement CEERS ERS NIRCam observations. In 23 pointings, we request F770W (1100s, flux limit=0.3uJy), F1000W (1100s, flux limit=0.5uJy), F1500W (1354s, flux limit=1.2uJy), and F2100W (2054s, flux limit=3.1uJy). In the other three pointings, we only need F1000W, F1500W, and F2100W as F770W is publicly available through an ERS proposal. These limits will allow us to detect ~3000-4000 galaxies, at least an order of magnitude below the knee of the luminosity function, out to z=3.5.

We request a narrow range of rotation angles, primarily between 130 deg and 142 deg, which is determined based on the CEERS EGS NIRcam layout. We use the 4 point dither pattern optimiazed for extended sources, and we use the FAST1 readout pattern. For F770W, we request 100 groups/integration and 1 integration/exposure. For F1000W, we request 100 groups/integration and 1 integration/exposure. For F1500W, we request 40 groups/integration and 3 integrations/exposure. For F2100W, we request 30 groups/integration and 6 integrations/exposure. We used the ETC to fine tune the number of groups in each filter so that there is no saturation.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	MIRI-1	RA: 14 20 18.3931 (215.0766379d) Dec: +52 56 29.97 (52.94166d) Equinox: J2000		
Comments: 7.7 um In CEERS EGS *Category=Galaxy* *Description=[Emission line galaxies, High-redshift galaxies, Lyman-break galaxies, Primordial galaxies]* *Extended=NO*				
(3)	MIRI-2	RA: 14 19 35.6907 (214.8987112d) Dec: +52 55 50.04 (52.93057d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*				
(4)	MIRI-4	RA: 14 19 28.3246 (214.8680192d) Dec: +52 54 6.38 (52.90177d) Equinox: J2000		
Comments: 7.7 um In CEERS EGS *Category=Galaxy* *Description=[Emission line galaxies, High-redshift galaxies, Lyman-break galaxies, Primordial galaxies]* *Extended=NO*				
(5)	MIRI-3	RA: 14 20 6.3255 (215.0263562d) Dec: +52 54 33.83 (52.90940d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*				
(6)	MIRI-5	RA: 14 19 27.1690 (214.8632042d) Dec: +52 50 55.50 (52.84875d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*				
(7)	MIRI-6	RA: 14 19 53.3240 (214.9721833d) Dec: +52 55 16.42 (52.92123d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*				
(8)	MIRI-7	RA: 14 19 57.5538 (214.9898075d) Dec: +52 59 33.87 (52.99274d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*				

(9)	MIRI-8	RA: 14 19 14.7872 (214.8116133d) Dec: +52 52 1.63 (52.86712d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(10)	MIRI-9	RA: 14 19 33.1933 (214.8883054d) Dec: +52 48 41.85 (52.81162d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(11)	MIRI-10	RA: 14 19 39.6787 (214.9153279d) Dec: +52 52 51.21 (52.88089d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(12)	MIRI-11	RA: 14 19 56.9842 (214.9874342d) Dec: +52 52 38.06 (52.87724d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(13)	MIRI-12	RA: 14 19 21.6367 (214.8401529d) Dec: +52 46 36.82 (52.77689d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(14)	MIRI-13	RA: 14 19 8.4373 (214.7851554d) Dec: +52 44 34.92 (52.74303d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(15)	MIRI-14	RA: 14 19 27.1792 (214.8632467d) Dec: +52 47 34.59 (52.79294d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		

(16)	MIRI-15	RA: 14 19 44.8178 (214.9367408d) Dec: +52 50 27.68 (52.84102d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(17)	MIRI-16	RA: 14 19 48.8992 (214.9537467d) Dec: +52 57 56.01 (52.96556d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(18)	MIRI-17	RA: 14 19 42.6230 (214.9275958d) Dec: +52 56 47.13 (52.94642d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(19)	MIRI-18	RA: 14 19 6.0462 (214.7751925d) Dec: +52 50 26.62 (52.84073d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(20)	MIRI-19	RA: 14 19 21.5348 (214.8397283d) Dec: +52 53 4.99 (52.88472d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(21)	MIRI-21	RA: 14 20 27.8653 (215.1161054d) Dec: +52 58 10.74 (52.96965d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(22)	MIRI-20	RA: 14 19 50.2592 (214.9594133d) Dec: +52 51 26.69 (52.85741d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		

(23)	MIRI-22	RA: 14 19 11.6027 (214.7983446d) Dec: +52 48 0.01 (52.80000d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(24)	MIRI-23	RA: 14 19 33.8709 (214.8911288d) Dec: +52 51 53.52 (52.86487d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(25)	MIRI-24	RA: 14 20 13.1187 (215.0546613d) Dec: +52 55 35.42 (52.92651d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(26)	MIRI-25	RA: 14 19 59.7290 (214.9988708d) Dec: +52 56 20.36 (52.93899d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		
(28)	MIRI-27	RA: 14 19 47.4883 (214.9478679d) Dec: +52 54 11.32 (52.90314d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[Field galaxies]* *Extended=NO*		

Observation

Proposal 3794, Observation 2: MIRI 1

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: This pointing is being observed in F770W in the CEERS ERS program. The rotation angle is set to match what is listed in the CEERS documentation found on their public website.

Diagnostics

(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)	MIRI-1	RA: 14 20 18.3931 (215.0766379d) Dec: +52 56 29.97 (52.94166d) Equinox: J2000		

Comments: 7.7 um In CEERS EGS
Category=Galaxy
Description=[Emission line galaxies, High-redshift galaxies, Lyman-break galaxies, Primordial galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 3: MIRI 2

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is the same that will be observed with the CEERS ERS program since our observations MIRI 2 and MIRI 3 lie adjacent to the MIRI 1 (set by CEERS ERS) pointing.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	MIRI-2	RA: 14 19 35.6907 (214.8987112d) Dec: +52 55 50.04 (52.93057d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 4: MIRI 3 Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is the same that will be observed with the CEERS ERS program since our observations MIRI 2 and MIRI 3 lie adjacent to the MIRI 1 (set by CEERS ERS) pointing.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	MIRI-3	RA: 14 20 6.3255 (215.0263562d) Dec: +52 54 33.83 (52.90940d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	EXTENDED SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
2	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
3	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 5: MIRI 4

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: This pointing is being observed in F770W in the CEERS ERS program. The rotation angle is set to match what is listed in the CEERS documentation found on their public website.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	MIRI-4	RA: 14 19 28.3246 (214.8680192d) Dec: +52 54 6.38 (52.90177d) Equinox: J2000		

Comments: 7.7 um In CEERS EGS
Category=Galaxy
Description=[Emission line galaxies, High-redshift galaxies, Lyman-break galaxies, Primordial galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 6: MIRI 5 Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is the same that will be observed with the CEERS ERS program since our observations MIRI 5 and MIRI 6 lie adjacent to the MIRI 4 (set by CEERS ERS) pointing.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	MIRI-5	RA: 14 19 27.1690 (214.8632042d) Dec: +52 50 55.50 (52.84875d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 7: MIRI 6

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is the same that will be observed with the CEERS ERS program since our observations MIRI 5 and MIRI 6 lie adjacent to the MIRI 4 (set by CEERS ERS) pointing.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	MIRI-6	RA: 14 19 53.3240 (214.9721833d) Dec: +52 55 16.42 (52.92123d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
2	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
3	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 8: MIRI 7

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 7, MIRI 8, and MIRI 9 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	MIRI-7	RA: 14 19 57.5538 (214.9898075d) Dec: +52 59 33.87 (52.99274d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 9: MIRI 8

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 7, MIRI 8, and MIRI 9 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	MIRI-8	RA: 14 19 14.7872 (214.8116133d) Dec: +52 52 1.63 (52.86712d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 29: MIRI 8

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 7, MIRI 8, and MIRI 9 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	MIRI-8	RA: 14 19 14.7872 (214.8116133d) Dec: +52 52 1.63 (52.86712d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 10: MIRI 9

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 7, MIRI 8, and MIRI 9 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	MIRI-9	RA: 14 19 33.1933 (214.8883054d) Dec: +52 48 41.85 (52.81162d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 11: MIRI 10

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 10, MIRI 11, and MIRI 12 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	MIRI-10	RA: 14 19 39.6787 (214.9153279d) Dec: +52 52 51.21 (52.88089d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
2	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
3	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 12: MIRI 11

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 10, MIRI 11, and MIRI 12 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	MIRI-11	RA: 14 19 56.9842 (214.9874342d) Dec: +52 52 38.06 (52.87724d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 13: MIRI 12

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 10, MIRI 11, and MIRI 12 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	MIRI-12	RA: 14 19 21.6367 (214.8401529d) Dec: +52 46 36.82 (52.77689d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 14: MIRI 13

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 13, MIRI 14, and MIRI 15 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	MIRI-13	RA: 14 19 8.4373 (214.7851554d) Dec: +52 44 34.92 (52.74303d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 15: MIRI 14

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 13, MIRI 14, and MIRI 15 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	MIRI-14	RA: 14 19 27.1792 (214.8632467d) Dec: +52 47 34.59 (52.79294d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 16: MIRI 15

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 13, MIRI 14, and MIRI 15 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	MIRI-15	RA: 14 19 44.8178 (214.9367408d) Dec: +52 50 27.68 (52.84102d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 17: MIRI 16

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 16, MIRI 17, and MIRI 18 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	MIRI-16	RA: 14 19 48.8992 (214.9537467d) Dec: +52 57 56.01 (52.96556d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 18: MIRI 17

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 16, MIRI 17, and MIRI 18 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	MIRI-17	RA: 14 19 42.6230 (214.9275958d) Dec: +52 56 47.13 (52.94642d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 19: MIRI 18

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 16, MIRI 17, and MIRI 18 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	MIRI-18	RA: 14 19 6.0462 (214.7751925d) Dec: +52 50 26.62 (52.84073d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 20: MIRI 19

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 19, MIRI 20, and MIRI 21 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	MIRI-19	RA: 14 19 21.5348 (214.8397283d) Dec: +52 53 4.99 (52.88472d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 21: MIRI 20

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 19, MIRI 20, and MIRI 21 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(22)	MIRI-20	RA: 14 19 50.2592 (214.9594133d) Dec: +52 51 26.69 (52.85741d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 22: MIRI 21

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 19, MIRI 20, and MIRI 21 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(21)	MIRI-21	RA: 14 20 27.8653 (215.1161054d) Dec: +52 58 10.74 (52.96965d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 23: MIRI 22

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 22, MIRI 23, and MIRI 24 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(23)	MIRI-22	RA: 14 19 11.6027 (214.7983446d) Dec: +52 48 0.01 (52.80000d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 24: MIRI 23

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 22, MIRI 23, and MIRI 24 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(24)	MIRI-23	RA: 14 19 33.8709 (214.8911288d) Dec: +52 51 53.52 (52.86487d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 25: MIRI 24

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Preferred rotation angle is the same that will be observed with the CEERS ERS program (nominally 136 deg, but this may change slightly when the actual observations are completed). MIRI 22, MIRI 23, and MIRI 24 should all have the same rotation angles, since these three observations cover the same NIRCam pointings.

Diagnostics

(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(25)	MIRI-24	RA: 14 20 13.1187 (215.0546613d) Dec: +52 55 35.42 (52.92651d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 26: MIRI 25

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is set by the CEERS NIRCam pointing that MIRI 25 is covering. Because the NIRCam FOV and the MIRI FOV are not the same, there is a range of rotation angles that will still allow coverage of the NIRCam pointing.

Diagnostics

(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(26)	MIRI-25	RA: 14 19 59.7290 (214.9988708d) Dec: +52 56 20.36 (52.93899d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)

Observation

Proposal 3794, Observation 28: MIRI 27

Fri Apr 19 21:00:24 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Comments: Rotation angle is set by the CEERS NIRCam pointing that MIRI 27 is covering. Because the NIRCam FOV and the MIRI FOV are not the same, there is a range of rotation angles that will still allow coverage of the NIRCam pointing.

Diagnostics

(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(28)	MIRI-27	RA: 14 19 47.4883 (214.9478679d) Dec: +52 54 11.32 (52.90314d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Field galaxies]
Extended=NO

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4		1	1			DEFAULT
2	4-Point-Sets				1	1	POINT SOURCE	POSITIVE	DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.28
2	F1000W	FASTR1	100	1	1	Dither 1	4	4	1110.016	60947.29
3	F1500W	FASTR1	40	3	1	Dither 1	4	12	1354.22	60947.30
4	F2100W	FASTR1	30	6	1	Dither 1	4	24	2053.53	60947.35

Special Requirements

Aperture PA Range 224.83544897 to 234.83544897 Degrees (V3 220.0 to 230.0)