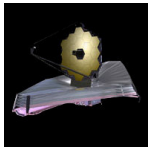

1180 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r

Cycle: 1, Proposal Category: GTO

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Medium/HST Folder				
	25	Medium/HST F1	NIRSpec MultiObject Spectroscopy	(25) TARGET-OBSERVATION-25
	26	Medium/HST F2	NIRSpec MultiObject Spectroscopy	(26) TARGET-OBSERVATION-26
	27	Medium/HST F3	NIRSpec MultiObject Spectroscopy	(27) TARGET-OBSERVATION-27
	28	Medium/HST F4	NIRSpec MultiObject Spectroscopy	(28) TARGET-OBSERVATION-28
	29	Medium/HST F5	NIRSpec MultiObject Spectroscopy	(29) TARGET-OBSERVATION-29
	30	Medium/HST F6	NIRSpec MultiObject Spectroscopy	(30) TARGET-OBSERVATION-30
Deep Pointing 1				
	7	Deep Pointing 1 Part 1	NIRCam Imaging	(7) POINTINGONE
	8	Deep Pointing 1 Part 2	NIRCam Imaging	(21) POINTINGONE-CENTER
	9	Deep Pointing 1 Part 3	NIRCam Imaging	(8) POINTINGONE-A
Deep Pointing 2				
	10	Deep Pointing 2 Part 1	NIRCam Imaging	(9) POINTINGTWO
	11	Deep Pointing 2 Part 2	NIRCam Imaging	(22) POINTINGTWO-CENTER
	12	Deep Pointing 2 Part 3	NIRCam Imaging	(10) POINTINGTWO-A

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Deep Pointing 3				
	13	Deep Pointing 3 Part 1	NIRCam Imaging	(11) POINTINGTHREE
	14	Deep Pointing 3 Part 2	NIRCam Imaging	(23) POINTINGTHREE-CENTER
	15	Deep Pointing 3 Part 3	NIRCam Imaging	(12) POINTINGTHREE-A
Deep Pointing 4				
	16	Deep Pointing 4 Part 1	NIRCam Imaging	(13) POINTINGFOUR
	17	Deep Pointing 4 Part 2	NIRCam Imaging	(24) POINTINGFOUR-CENTER
	18	Deep Pointing 4 Part 3	NIRCam Imaging	(14) POINTINGFOUR-A
Medium Pointings				
	19	Medium Pointing 1	NIRCam Imaging	(15) MEDS0001
	20	Medium Pointing 2	NIRCam Imaging	(16) MEDS0002
	21	Medium Pointing 3	NIRCam Imaging	(17) MEDS0005
	22	Medium Pointing 4	NIRCam Imaging	(18) MEDS0006
	23	Medium Pointing 5	NIRCam Imaging	(19) MEDS0009
	24	Medium Pointing 6	NIRCam Imaging	(20) MEDS0010

ABSTRACT

We will conduct an ambitious deep-field survey to study the formation and evolution of galaxies from z 12 to z 2. Our program combines NIRSpec, NIRCam, and MIRI data, alongside the deepest data from HST, Chandra, ALMA, and JVLA, to produce an unprecedented view of high-redshift galaxies. The program is a collaboration of the NIRSpec and NIRCam GTO teams, and it combines imaging and spectroscopy as well as full use of coordinated parallel observations to get the best out of all three instruments. Indeed, to pursue a detailed understanding of galaxy evolution, the combination of imaging and spectroscopy is critical. By bringing these data sets together on a single field, we will carry out systematic investigations far beyond the sum of the parts.

This survey will provide the rest-frame optical data of sufficient area, depth, and spectral resolutions to map galaxy population properties, including the joint distribution of stellar mass, luminosity, star formation rate, stellar ages, sizes, metallicity, nuclear activity, gas kinematics, and outflows, over a wide range of redshifts. Broadly speaking, spectroscopy (at R = 100, 1000, and 2700) provides precise and robust redshifts, measurement of the stellar continuum, and emission lines to z 10 and beyond. The emission lines allow us to diagnose the galaxies' star formation rate (SFR), metallicities, chemical abundances, the ISM dust-reddening, and the ISM excitation, including signatures of AGNs. Low-resolution spectroscopy (R=100) for the brighter objects can also diagnose the stellar populations (especially the stellar age distribution). High-resolution spectroscopy (R=2700) can diagnose internal galaxy kinematics and outflows.

The multi-wavelength NIRCam imaging will allow the detection, selection and characterization of galaxies to z = 15 and perhaps beyond. It will determine colors, morphological structure, and color gradients, while supplying photometric redshifts, stellar mass, and star formation rate estimates along with measures of equivalent widths of the strongest emission lines. The depth reached is unparalleled and will lead to luminosity functions to substantially higher redshift and lower mass than can be done with HST. Deep MIRI imaging will enable a rest-frame infrared view of subset of our sample, testing the assumptions of our UV/optical modeling and revealing heavily obscured stellar populations and nuclear activity. Combination with external data from Chandra, JVLA, and ALMA will further explore nuclear activity and dusty star formation. We expect that this carefully constructed survey will provide a primary legacy dataset for many years to come.
Observation IDS:
MRIEKE_0452 to MRIEKE_0535 (Medium/HST)
MRIEKE_0001 to MRIEKE_0020 (DEEP pointings 1 through 4)
MRIEKE_0021 to MRIEKE_0092 (Medium)

OBSERVING DESCRIPTION

This APT file for Program 1180 does not include all the observations for the GOODS-S program due to APT file size limitations. Programs 1286 and 1287 have scheduling links with this program because they are NIRSpec MSA follow-up of this NIRCam "pre-imaging" Program 1180. The scheduling requirement is that the first observations in 1286 and 1287 should be done at least 60 days after the last observation in Program 1180.

Observations 7 to 12 perform half of a NIRCam Deep "pre-imaging" mosaic in the GOODS-S field with MIRI in parallel.

Observations 13 to 18 perform the other half of the NIRCam Deep "pre-imaging" mosaic in the GOODS-S field with MIRI in parallel.

Observations 19 to 24 perform half of the NIRCam Medium depth "pre-imaging" mosaic in the GOODS-S field with MIRI in parallel.

Observations 25 to 30 perform the other half of the NIRCam Medium depth "pre-imaging" mosaic in the GOODS-S field with NIRSpec MSA observations in parallel.

There are relative PA constraints between the sets in Program 1180 to spread them out a little in time, but to avoid a large field rotation between the two halves of the deep and the medium.

There is a PA constraint of 11<V3PA<41 for observations 7-12, that then flows down to observations 13-30 through the relative PA constraint. The lower limit is due to mosaic orientation with respect to existing data and the upper limit due to high background avoidance for all observations in Program 1180.

Deep Pointing 1 & 2 (observations 7-12)
NIRCam GTO team deep observations of GOODS-S with MIRI in parallel.
Mosaic positions correct for V3PA=41. All positions need to be changed for any other PA.

Deep Pointing 3 & 4 (observations 13-18)
NIRCam GTO team deep observations of GOODS-S with MIRI in parallel.
Mosaic positions correct for V3PA=45. All positions need to be changed for any other PA.

Deep Pointing 4 (observations 17 and 18)
There were a few typos fixed. For observation 17 the mosaic step was corrected from 91% to 95% which makes it consistent with similar observations in deep pointings 1-3.
In Observation 18 the last two SW filters were corrected from F150W to F115W, This is now consistent with similar observations in deep pointings 1-3.

NIRcam+MIRI Medium (observations 19-24)
NIRCam GTO team medium depth observations of GOODS-S with MIRI in parallel.
Mosaic positions correct for V3PA=56. All positions need to be changed for any other PA.

Medium/HST (observations 25-30)
NIRCam GTO team observations of GOODS-S with NIRSpec in parallel.
Mosaic positions correct for V3PA=56 (NIRSpec MSA PA=194.49). All positions need to be changed for any other PA.

Note that in the Aladin viewer, observations 7 to 24 are displayed at the orientation corresponding to the mid-point of the visibility window (V3PA=26), whereas their field positions are only correct for an observation at V3PA=41. Observations 25 to 30 have the NIRSpec MSA as prime and therefore are displayed in Aladin at V3PA=41. To visualize how the mosaics fit together change the Special Requirement Aperture PA Range to

V3PA 41.0 to 41.0 in Observation 7.

A note on NIRSpec MSA catalogs and configurations

A real catalog was used to prepare these configurations, but no target prioritisation was used. The actual targets entering the MSA shutters will be defined, with target prioritisation, only after the instrument distortion is characterized during commissioning.

Observation

Proposal 1180, Observation 25: Medium/HST F1

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

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)	TARGET-OBSERVATION-25	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 25
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 26: Medium/HST F2

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

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)	TARGET-OBSERVATION-26	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 26
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 27: Medium/HST F3 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(27)	TARGET-OBSERVATION-27	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 27
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 28: Medium/HST F4

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

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)	TARGET-OBSERVATION-28	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 28
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 29: Medium/HST F5 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

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
(29)	TARGET-OBSERVATION-29	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 29
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 30: Medium/HST F6

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(30)	TARGET-OBSERVATION-30	RA: 03 32 43.6500 (53.1818750d) Dec: -27 47 34.29 (-27.79286d) Equinox: J2000		

Comments: This target was generated automatically for MSA Observation 30
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	AcqTarget	AcqFilter	Acq MSA Configuration	Acq Readout Pattern	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time	Acq ETC Wkbk.Calc ID
1		Same Target as Observation	F140X		NRS	3	1	4	558.312	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
Obtain Confirmation Images: No	Subarray: FULL
Science Aperture: MSA Center	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
6	G140M/F070LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
7	G235M/F170LP	Configuration: p4c0	NRSIRS2	13	1	NONE	3	3	2888.6	
8	G395M/F290LP	Configuration: p4c0	NRSIRS2	16	1	NONE	3	3	3545.1	

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F444W	DEEP8	6	1	3	3	3510.924	
2	F150W	F277W	DEEP8	5	1	3	3	2866.718	
3	F200W	F356W	DEEP8	5	1	3	3	2866.718	
4	F090W	F410M	DEEP8	6	1	3	3	3510.924	
5	F090W	F410M	DEEP8	6	1	3	3	3510.924	
6	F200W	F356W	DEEP8	5	1	3	3	2866.718	
7	F150W	F277W	DEEP8	5	1	3	3	2866.718	
8	F115W	F444W	DEEP8	6	1	3	3	3510.924	

Special Requirements

No Parallel
MSA Planned Aperture PA 194.49 to 194.49 Degrees (V3 55.99766 to 55.99766)

Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 7: Deep Pointing 1 Part 1 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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)	POINTINGONE	RA: 03 32 37.7110 (53.1571292d) Dec: -27 48 46.58 (-27.81294d) Equinox: J2000	Proper Motion RA: 0.00 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	Aperture PA Range 10.973525 to 40.973525 Degrees (V3 11.0 to 41.0) No Parallel Aperture PA Offset 13 from 7 by 4 to 4 Degrees (Same offsets in V3) Aperture PA Offset 19 from 7 by 15 to 15 Degrees (Same offsets in V3) Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 8: Deep Pointing 1 Part 2 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(21)	POINTINGONE-CENTER	RA: 03 32 37.8900 (53.1578750d) Dec: -27 48 44.00 (-27.81222d) Equinox: J2000	Proper Motion RA: 0 mas/yr Proper Motion Dec: 0 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Mosaic

Rows	*Columns*	*Row Overlap %*	*Column Overlap %*	*Row shift*	*Column shift*	*Tile Order*
2	1	95.0	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	4-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F410M	DEEP8	7	1	4	4	5540.173	
2	F150W	F444W	DEEP8	7	1	4	4	5540.173	
3	F090W	F277W	DEEP8	7	1	4	4	5540.173	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		4	4	5542.461	
2	F770W	SLOW	58	1	1		4	4	5542.461	
3	F770W	SLOW	58	1	1		4	4	5542.461	

Special Requirements	
	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 9: Deep Pointing 1 Part 3 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(8)	POINTINGONE-A	RA: 03 32 38.0690 (53.1586208d) Dec: -27 48 41.42 (-27.81151d) Equinox: J2000	Proper Motion RA: 0.00 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 10: Deep Pointing 2 Part 1 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(9)	POINTINGTWO	RA: 03 32 41.1410 (53.1714208d) Dec: -27 49 27.08 (-27.82419d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 11: Deep Pointing 2 Part 2

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(22)	POINTINGTWO-CENTER	RA: 03 32 41.3200 (53.1721667d) Dec: -27 49 24.50 (-27.82347d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL Subarray: FULL	Subarray: FULL

Mosaic

Rows	*Columns*	*Row Overlap %*	*Column Overlap %*	*Row shift*	*Column shift*	*Tile Order*
2	1	95.0	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	4-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F410M	DEEP8	7	1	4	4	5540.173	
2	F150W	F444W	DEEP8	7	1	4	4	5540.173	
3	F090W	F277W	DEEP8	7	1	4	4	5540.173	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		4	4	5542.461	
2	F770W	SLOW	58	1	1		4	4	5542.461	
3	F770W	SLOW	58	1	1		4	4	5542.461	

Special Requirements	
	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 12: Deep Pointing 2 Part 3

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(10)	POINTINGTWO-A	RA: 03 32 41.4990 (53.1729125d) Dec: -27 49 21.92 (-27.82276d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12

Observation

Proposal 1180, Observation 13: Deep Pointing 3 Part 1 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(11)	POINTINGTHREE	RA: 03 32 43.8580 (53.1827417d) Dec: -27 47 13.50 (-27.78708d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Aperture PA Offset 13 from 7 by 4 to 4 Degrees (Same offsets in V3) Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 14: Deep Pointing 3 Part 2

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(23)	POINTINGTHREE-CENTER	RA: 03 32 44.0500 (53.1835417d) Dec: -27 47 11.10 (-27.78642d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL Subarray: FULL	Subarray: FULL

Mosaic

Rows	*Columns*	*Row Overlap %*	*Column Overlap %*	*Row shift*	*Column shift*	*Tile Order*
2	1	95.0	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	4-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F410M	DEEP8	7	1	4	4	5540.173	
2	F150W	F444W	DEEP8	7	1	4	4	5540.173	
3	F090W	F277W	DEEP8	7	1	4	4	5540.173	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		4	4	5542.461	
2	F770W	SLOW	58	1	1		4	4	5542.461	
3	F770W	SLOW	58	1	1		4	4	5542.461	

Special Requirements	
	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 15: Deep Pointing 3 Part 3 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(12)	POINTINGTHREE-A	RA: 03 32 44.2420 (53.1843417d) Dec: -27 47 8.70 (-27.78575d) Equinox: J2000	Proper Motion RA: 0.00 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 16: Deep Pointing 4 Part 1 Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(13)	POINTINGFOUR	RA: 03 32 47.1280 (53.1963667d) Dec: -27 47 57.50 (-27.79931d) Equinox: J2000	Proper Motion RA: 0.00 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 17: Deep Pointing 4 Part 2

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(24)	POINTINGFOUR-CENTER	RA: 03 32 47.3200 (53.1971667d) Dec: -27 47 55.10 (-27.79864d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Mosaic

Rows	*Columns*	*Row Overlap %*	*Column Overlap %*	*Row shift*	*Column shift*	*Tile Order*
2	1	95.0	10.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	4-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F115W	F410M	DEEP8	7	1	4	4	5540.173	
2	F150W	F444W	DEEP8	7	1	4	4	5540.173	
3	F090W	F277W	DEEP8	7	1	4	4	5540.173	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		4	4	5542.461	
2	F770W	SLOW	58	1	1		4	4	5542.461	
3	F770W	SLOW	58	1	1		4	4	5542.461	

Special Requirements	
	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 18: Deep Pointing 4 Part 3

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(14)	POINTINGFOUR-A	RA: 03 32 47.5120 (53.1979667d) Dec: -27 47 52.70 (-27.79797d) Equinox: J2000	Proper Motion RA: 0.00 mas/yr Proper Motion Dec: 0.00 mas/yr Parallax: 0.00" Epoch of Position: 2000.0	

Comments:
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	NONE			1	9-POINT-WITH-MIRI-F770W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	7	1	9	9	12465.39	
2	F150W	F444W	DEEP8	7	1	9	9	12465.39	
3	F200W	F335M	DEEP8	7	1	9	9	12465.39	
4	F115W	F277W	DEEP8	7	1	9	9	12465.39	
5	F115W	F356W	DEEP8	7	1	9	9	12465.39	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	58	1	1		9	9	12470.538	
2	F770W	SLOW	58	1	1		9	9	12470.538	
3	F770W	SLOW	58	1	1		9	9	12470.538	
4	F770W	SLOW	58	1	1		9	9	12470.538	
5	F770W	SLOW	58	1	1		9	9	12470.538	

Special Requirements	
	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18

Observation

Proposal 1180, Observation 19: Medium Pointing 1

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(15)	MEDS0001	RA: 03 32 38.8500 (53.1618750d) Dec: -27 47 58.70 (-27.79964d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0001
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
2	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	
3	F090W	F410M	DEEP8	6	1	6	6	7021.848	
4	F115W	F444W	DEEP8	6	1	6	6	7021.848	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	40	1	1		6	6	5733.581	
2	F1280W	SLOW	20	2	1		6	12	5733.581	
3	F1280W	SLOW	24	2	1		6	12	6880.297	
4	F1280W	SLOW	24	2	1		6	12	6880.297	

Special Requirements	
	No Parallel Aperture PA Offset 19 from 7 by 15 to 15 Degrees (Same offsets in V3) Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 20: Medium Pointing 2

Tue Feb 20 22:04:56 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(16)	MEDS0002	RA: 03 32 41.5100 (53.1729583d) Dec: -27 48 51.00 (-27.81417d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0002
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
2	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	
3	F090W	F410M	DEEP8	6	1	6	6	7021.848	
4	F115W	F444W	DEEP8	6	1	6	6	7021.848	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	40	1	1		6	6	5733.581	
2	F1280W	SLOW	20	2	1		6	12	5733.581	
3	F1280W	SLOW	24	2	1		6	12	6880.297	
4	F1280W	SLOW	24	2	1		6	12	6880.297	

Special Requirements	
	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 21: Medium Pointing 3 Tue Feb 20 22:04:57 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(17)	MEDS0005	RA: 03 32 30.7300 (53.1280417d) Dec: -27 49 11.40 (-27.81983d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0005
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	6	1	6	6	7021.848	
2	F115W	F444W	DEEP8	6	1	6	6	7021.848	
3	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
4	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1280W	SLOW	24	2	1		6	12	6880.297	
2	F1280W	SLOW	24	2	1		6	12	6880.297	
3	F1280W	SLOW	20	2	1		6	12	5733.581	
4	F770W	SLOW	40	1	1		6	6	5733.581	

Special Requirements	
	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 22: Medium Pointing 4 Tue Feb 20 22:04:57 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(18)	MEDS0006	RA: 03 32 33.3800 (53.1390833d) Dec: -27 50 3.70 (-27.83436d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0006
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
2	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	
3	F090W	F410M	DEEP8	6	1	6	6	7021.848	
4	F115W	F444W	DEEP8	6	1	6	6	7021.848	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	40	1	1		6	6	5733.581	
2	F1280W	SLOW	20	2	1		6	12	5733.581	
3	F1280W	SLOW	24	2	1		6	12	6880.297	
4	F1280W	SLOW	24	2	1		6	12	6880.297	

Special Requirements	
	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 23: Medium Pointing 5

Tue Feb 20 22:04:57 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(19)	MEDS0009	RA: 03 32 46.9800 (53.1957500d) Dec: -27 46 46.00 (-27.77944d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0009
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F090W	F410M	DEEP8	6	1	6	6	7021.848	
2	F115W	F444W	DEEP8	6	1	6	6	7021.848	
3	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
4	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1280W	SLOW	24	2	1		6	12	6880.297	
2	F1280W	SLOW	24	2	1		6	12	6880.297	
3	F1280W	SLOW	20	2	1		6	12	5733.581	
4	F770W	SLOW	40	1	1		6	6	5733.581	

Special Requirements	
	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)

Observation

Proposal 1180, Observation 24: Medium Pointing 6

Tue Feb 20 22:04:57 GMT 2018

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Coordinated Parallel Template(s): MIRI Imaging

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
(20)	MEDS0010	RA: 03 32 49.6200 (53.2067500d) Dec: -27 47 38.30 (-27.79397d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	

Comments: MEDS0010
Category=Unidentified
Description=[High Latitude Field]
Extended=YES

Template

NIRCam Imaging	MIRI Imaging
Module: ALL	Subarray: FULL
Subarray: FULL	

Dithers

#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes
1	INTRAMODULEX	3		1	2-POINT-WITH-MIRI-F1280W	NO_DITHERING

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	F150W	F277W	MEDIUM8	9	1	6	6	5733.435	
2	F200W	F356W	MEDIUM8	9	1	6	6	5733.435	
3	F090W	F410M	DEEP8	6	1	6	6	7021.848	
4	F115W	F444W	DEEP8	6	1	6	6	7021.848	

Spectral Elements

MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F770W	SLOW	40	1	1		6	6	5733.581	
2	F1280W	SLOW	20	2	1		6	12	5733.581	
3	F1280W	SLOW	24	2	1		6	12	6880.297	
4	F1280W	SLOW	24	2	1		6	12	6880.297	

Special Requirements	
	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)