

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

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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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

JWST Proposal 1180 (Created: Tuesday, February 20, 2018 5:04:56 PM EST) - Overview

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.

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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.

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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

JWST Proposal 1180 (Created: Tuesday, February 20, 2018 5:04:56 PM EST) - Overview 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.

	<u>posai 1180</u>	<u>) - Observati</u>	<u>on 25 - NIRC</u>	<u>Jam-NIRS</u>	Spec galaxy as	ssembly sur	<u>/ey - GOODS</u>	<u>5-S - part #1ı</u>	ſ		
ion	-	Observation 25: Me	edium/HST F1							Tue Feb 20	22:04:56 GMT 2018
/at	Diagnostic Statu	_									
er		_	Object Spectroscopy	/							
Observation	Coordinated Para	llel Template(s): NI	RCam Imaging								
_	(Visit 25:1) Warn	ning (Form): Overhe	eads are provisional u	ıntil the Visit Pl	anner has been run.						
Diagnostics	((F								
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ق											
s		ame		oordinates		Targ. C	oord. Corrections		Miscellan	eous	
Targets	(25) TA 25	ARGET-OBSERVA		2 43.6500 (53.18							
arç	23	•		47 34.29 (-27.79	286d)						
۱۲	G MI		Equinox:		25						
Fixed	Category=Unider	ntified	d automatically for N	MSA Observation	n 25						
ĮΈ	Description=[Hig	gh Latitude Field]									
	NIRSpec	Reference Star	AcqTarget	AcqFilter	Acq MSA	Acq Readout	Acq Groups/Int	Acq	Acq Total	Acq Total	Acq ETC
Acquisition	MultiObject Spectroscopy	Bin	•	•	Configuration	Pattern		Integrations/Exp	Integrations	Exposure Time	Wkbk.Calc ID
T iii	1		Same Target as	F140X		NRS	3	1	4	558.312	
12			Observation								
_	NIRSpec MultiO	Object Spectroscopy	v			NIRC	am Imaging				
Template	TA Method: MSA		,				e: ALL				
lπ	Obtain Confirmat					Subarr	ay: FULL				
Ţe	Science Aperture:	: MSA Center									
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Stars											
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ē											
Reference											
	#					Dithe	·Type				
Dithers Refer	# 1					Dither NONE					

Proposal 1180 - Observation 25 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r.

	NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern			tions/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
leme	3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
la E	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
Spectral Elements	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
_{\S}	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	
s	NIRCam Imaging	g Short Filter	Long Filter	Readout Pa	ttern (Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Spectral Elements	1	F115W	F444W	DEEP8	(5	1	3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8	4	5	1	3	3	2866.718	
I#	3	F200W	F356W	DEEP8	4	5	1	3	3	2866.718	
1 <u>=</u>	4	F090W	F410M	DEEP8	(5	1	3	3	3510.924	
ΙË	5	F090W	F410M	DEEP8	(5	1	3	3	3510.924	
Ιĕ	6	F200W	F356W	DEEP8	4	5	1	3	3	2866.718	
ज	7	F150W	F277W	DEEP8	4	5	1	3	3	2866.718	
	8	F115W	F444W	DEEP8	(5	1	3	3	3510.924	
nents	•		•	3 55.99766 to 55.997	,						
Special Requirements	Same V3 PA 19, 2	0, 21, 22, 23, 24, 25	5, 26, 27, 28, 29, 30	(Aperture PAs diffe	er)						
Sp											

Pro	posal 1180	- Observation	on 26 - NIRC	Cam-NIRS	pec galaxy as	sembly surv	ey - GOODS	S-S - part #1	•		
_		Observation 26: Me								Tue Feb 20	22:04:56 GMT 2018
Observation	Diagnostic Statu	s: Warning									
Į≚	Observing Templ	ate: NIRSpec Multi0	Object Spectroscopy								
Se	Coordinated Paral	llel Template(s): NII	RCam Imaging								
၂ဗီ											
Diagnostics	(Visit 26:1) Warn	ing (Form): Overhea	ads are provisional u	ntil the Visit Pla	nner has been run.						
l s		ime	Target Co	oordinates		Targ. Co	ord. Corrections		Miscellane	eous	
Jet		ARGET-OBSERVA		43.6500 (53.18	<i>'</i>						
arç I	26			7 34.29 (-27.792	286d)						
			Equinox:								
Fixed Targets	Comments: This to Category=Unider Description=[Hig Extended=YES	ntified	l automatically for M	ISA Observation	26						
sition	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
Acquisition	1		Same Target as Observation	F140X		NRS	3	1	4	558.312	
te	NIRSpec MultiO	bject Spectroscopy	y			NIRCa	ım Imaging				
Template	TA Method: MSA	ATA				Module	e: ALL				
ΙĒ	Obtain Confirmat	ion Images: No				Subarr	ay: FULL				
Ľ	Science Aperture:	MSA Center									
Reference Stars											
S	#					Dither	Type				
Dithers	1					NONE					
Ö											

Proposal 1180 - Observation 26 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r

	NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern			tions/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
lem	3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
Spectral Elements	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
pect	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
S	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	
S	NIRCam Imaging	g Short Filter	Long Filter	Readout Pa	ttern (Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Ιź	1	F115W	F444W	DEEP8	(5	1	3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8	4	5	1	3	3	2866.718	
Spectral Elements	3	F200W	F356W	DEEP8	4	5	1	3	3	2866.718	
<u>ه</u> ا	4	F090W	F410M	DEEP8	(5	1	3	3	3510.924	
1 #	5	F090W	F410M	DEEP8	(5	1	3	3	3510.924	
ĕ	6	F200W	F356W	DEEP8	4	5	1	3	3	2866.718	
<u>v</u>	7	F150W	F277W	DEEP8	4	5	1	3	3	2866.718	
	8	F115W	F444W	DEEP8	(ó	1	3	3	3510.924	
ents	No Parallel MSA Planned Ape	erture PA 194.49 to	194.49 Degrees (V3	3 55.99766 to 55.997	66)						
Special Requirements	Same V3 PA 19, 2	0, 21, 22, 23, 24, 25	5, 26, 27, 28, 29, 30	(Aperture PAs diffe	r)						

<u>Pr</u>	oposal 1180	0 - Observati	on 27 - NIR(Cam-NIRS	Spec galaxy as	sembly surv	ey - GOODS	S-S - part #1 ₁	-		
		Observation 27: Me								Tue Feb 20	22:04:56 GMT 2018
Observation	Diagnostic Statu	us: Warning									
≧ّا	Observing Temp	olate: NIRSpec Multi	Object Spectroscopy	7							
	Coordinated Para	allel Template(s): NI	RCam Imaging								
Ιö											
Diagnostics	(Visit 27:1) War	ning (Form): Overhe	eads are provisional u	until the Visit Pl	anner has been run.						
H	# N	lame	Target C	oordinates		Targ. Co	oord. Corrections		Miscellane	ous	
Targets	(27) T.	ARGET-OBSERVA	TION- RA: 03 32	2 43.6500 (53.18	318750d)						
Ď	27	7	Dec: -27	47 34.29 (-27.79	286d)						
₽			Equinox:	J2000							
Fixed	Extended=YES	target was generated entified igh Latitude Field]	d automatically for I	MSA Observatio	n 27						
sition	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
Acquisition	. 1		Same Target as Observation	F140X		NRS	3	1	4	558.312	
ē	NIRSpec MultiO	Object Spectroscopy	y			NIRCa	am Imaging				
Template	TA Method: MS	SATA				Modul	e: ALL				
ΙĒ	Obtain Confirma	ation Images: No				Subarr	ay: FULL				
Ľ	Science Aperture	e: MSA Center									
ľS											
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le r											
Reference											
						Dither	Туре				
Pe	1					NONE					
Dithers											

Proposal 1180 - Observation 27 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r.

	NIRSpec MultiObject Spectroscopy	- ODSERVATION -	MSA Configuration	Readout Pattern			ions/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
lem	3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
Spectral Elements	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
pect	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
s	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	
s	NIRCam Imagin	g Short Filter	Long Filter	Readout Pa	ttern (Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Elements	1	F115W	F444W	DEEP8	6	i	1	3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8	5		1	3	3	2866.718	
1#	3	F200W	F356W	DEEP8	5		1	3	3	2866.718	
] <u>=</u>	4	F090W	F410M	DEEP8	6	i	1	3	3	3510.924	
1 #	5	F090W	F410M	DEEP8	6	i	1	3	3	3510.924	
Spectral	6	F200W	F356W	DEEP8	5		1	3	3	2866.718	
၂ တ	7	F150W	F277W	DEEP8	5		1	3	3	2866.718	
	8	F115W	F444W	DEEP8	6	i	1	3	3	3510.924	
ents	No Parallel MSA Planned Ap	erture PA 194.49 to	194.49 Degrees (V3	3 55.99766 to 55.997	(66)						
Special Requirements			•	(Aperture PAs diffe							

Pro	oposal 1180	- Observati	on 28 - NIR(Cam-NIRS	pec galaxy as	sembly surv	<u>/ey - GOODS</u>	S-S - part #1ı	ſ			
Ľ	Proposal 1180, C	Observation 28: Me	edium/HST F4							Tue Feb 20	22:04:56 GMT 2018	
Iĕ	Diagnostic Statu	s: Warning										
ĬŽ	Observing Templ	ate: NIRSpec Multi	Object Spectroscopy	7								
Se	Coordinated Para	llel Template(s): NI	RCam Imaging									
Observation												
Diagnostics	(Visit 28:1) Warn	ing (Form): Overhe	ads are provisional u	until the Visit Plan	nner has been run.							
ြ		ame	Target C	oordinates		Targ. Co	oord. Corrections		Miscellaneo	us		
Targets		ARGET-OBSERVA		2 43.6500 (53.181	*							
ar S	28			47 34.29 (-27.7928	86d)							
ΙË			Equinox:									
Fixed	Comments: This target was generated automatically for MSA Observation 28 Category=Unidentified Description=[High Latitude Field] Extended=YES											
sition	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	
Acquisition	MultiObject		AcqTarget Same Target as Observation	AcqFilter F140X	Acq MSA Configuration	Acq Readout Pattern NRS	Acq Groups/Int	Acq Integrations/Exp	Acq Total Integrations	Acq Total Exposure Time 558.312	Acq ETC Wkbk.Calc ID	
_	MultiObject Spectroscopy		Same Target as Observation		Acq MSA Configuration	Pattern NRS		Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
_	MultiObject Spectroscopy	Bin Diject Spectroscopy	Same Target as Observation		Acq MSA Configuration	Pattern NRS	3 nm Imaging	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
_	MultiObject Spectroscopy	Bin Dbject Spectroscopy	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Stars Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Stars Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Stars Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	3 nm Imaging e: ALL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Reference Stars Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module	am Imaging o: ALL ay: FULL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	
Stars Template	MultiObject Spectroscopy	Bin Object Spectroscopy ATA ion Images: No	Same Target as Observation		Acq MSA Configuration	NRS NIRCa Module Subarra	am Imaging e: ALL ay: FULL	Integrations/Exp	Integrations	Exposure Time	Acq ETC Wkbk.Calc ID	

Proposal 1180 - Observation 28 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r

	NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern		Int Integrat	tions/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
Spectral Elements	3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
ral E	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
pect	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
<u>\</u>	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	
ږږ	NIRCam Imaging	g Short Filter	Long Filter	Readout Pa	ttern (Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Ιž	1	F115W	F444W	DEEP8	6	i	1	3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8	5		1	3	3	2866.718	
I∺	3	F200W	F356W	DEEP8	5		1	3	3	2866.718	
Spectral Elements	4	F090W	F410M	DEEP8	6	i	1	3	3	3510.924	
1 #	5	F090W	F410M	DEEP8	6	į	1	3	3	3510.924	
ĕ	6	F200W	F356W	DEEP8	5		1	3	3	2866.718	
S	7	F150W	F277W	DEEP8	5		1	3	3	2866.718	
	8	F115W	F444W	DEEP8	6		1	3	3	3510.924	
Special Requirements	•		•	3 55.99766 to 55.997 (Aperture PAs diffe	, i						

Pr	oposal 1180) - Observati	on 29 - NIR(Cam-NIRS	Spec galaxy as	sembly surv	ey - GOODS	S-S - part #1 ₁	•		
		Observation 29: Me								Tue Feb 20	22:04:56 GMT 2018
Observation	Diagnostic Statu	s: Warning									
ڲٚٳ	Observing Temp	late: NIRSpec Multion	Object Spectroscopy	7							
	Coordinated Para	allel Template(s): NII	RCam Imaging								
۱ö											
stics	(Visit 29:1) Warı	ning (Form): Overhea	ads are provisional u	until the Visit Pl	anner has been run.						
Diagnostics	1										
l s	# N	ame		oordinates		Targ. Co	oord. Corrections		Miscellaneo	ous	
Targets	(29) TA	ARGET-OBSERVA		2 43.6500 (53.18							
ar.	25	,		47 34.29 (-27.79	286d)						
Ϊ̈́Ę			Equinox:								
Fixed	Comments: This Category=Unide Description=[Hi Extended=YES	target was generated ntified gh Latitude Field]	l automatically for N	MSA Observation	n 29						
sition	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
Acquisition	1		Same Target as Observation	F140X		NRS	3	1	4	558.312	
ē	NIRSpec Multi(Object Spectroscopy	y			NIRCa	am Imaging				
Template	TA Method: MS	ATA				Module	e: ALL				
ΙĒ	Obtain Confirma	tion Images: No				Subarra	ay: FULL				
Ŀ	Science Aperture	: MSA Center									
ร											
Stars											
ě											
Ιĕ											
ē											
Reference											
						Dither	Type				
þ	1					NONE					
Dithers											

Proposal 1180 - Observation 29 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r

	NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern		/Int Integration	s/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
lem(3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
Spectral Elements	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
pect	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
<u>\</u>	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	
ွ	NIRCam Imagin	g Short Filter	Long Filter	Readout Pa	ttern	Groups/Int In	tegrations/Exp	Total Integrations	Total Dithers		ETC Wkbk.Calc ID
Ιź	1	F115W	F444W	DEEP8		6 1		3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8		5 1		3	3	2866.718	
	3	F200W	F356W	DEEP8		5 1		3	3	2866.718	
<u>=</u> ا	4	F090W	F410M	DEEP8		6 1		3	3	3510.924	
Ιŧ	5	F090W	F410M	DEEP8		6 1		3	3	3510.924	
Spectral Elements	6	F200W	F356W	DEEP8	:	5 1		3	3	2866.718	
N N	7	F150W	F277W	DEEP8	:	5 1		3	3	2866.718	
<u></u>	8	F115W	F444W	DEEP8		6 1		3	3	3510.924	

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

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

Pr	oposal 1180) - Observati	on 30 - NIR(Cam-NIRS	Spec galaxy as	sembly surv	vey - GOODS	S-S - part #1	ſ		
		Observation 30: Me								Tue Feb 20	22:04:56 GMT 2018
Observation	Diagnostic Statu	_									
ڲ ا		late: NIRSpec Multi0		/							
l se	Coordinated Para	llel Template(s): NI	RCam Imaging								
ō											
ostics	(Visit 30:1) Warn	ning (Form): Overhea	ads are provisional u	until the Visit Pl	lanner has been run.						
Diagnostics											
S	# Na	ame		oordinates		Targ. Co	oord. Corrections		Miscellane	ous	
Targets	(30) TA	ARGET-OBSERVA	TION- RA: 03 32	2 43.6500 (53.13	818750d)						
a l	30	1		47 34.29 (-27.79	9286d)						
۱Ļ			Equinox:								
Fixed	Category-Unide	target was generated ntified gh Latitude Field]	d automatically for N	MSA Observatio	n 30						
sition	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
Acquisition	1		Same Target as Observation	F140X		NRS	3	1	4	558.312	
ē	NIRSpec MultiC	Object Spectroscopy	y			NIRC	am Imaging				
Template	TA Method: MSA					Modul	e: ALL				
ΙĒ	Obtain Confirmat	tion Images: No				Subarr	ay: FULL				
_	Science Aperture	: MSA Center									
Stars											
Sta											
ģ											
Ιĕ											
Ē											
Reference											
	#					Dither	Type				
her	1					NONE					
Dithers											

Proposal 1180 - Observation 30 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r.

	NIRSpec MultiObject Spectroscopy	Grating/Filter	MSA Configuration	Readout Pattern			/ SUIVEY - GC ions/Exp Autocal	Total Dither		Total Exposure Time	ETC Wkbk.Calc ID
	1	G395M/F290LP	Configuration: p1c0	NRSIRS2	16	1	NONE	3	3	3545.1	
ents	2	G235M/F170LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
lem(3	G140M/F070LP	Configuration: p1c0	NRSIRS2	13	1	NONE	3	3	2888.6	
ral E	4	PRISM/CLEAR	Configuration: p2c0	NRSIRS2	16	1	NONE	3	3	3545.1	
Spectral Elements	5	PRISM/CLEAR	Configuration: p3c0	NRSIRS2	16	1	NONE	3	3	3545.1	
s	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	
S	NIRCam Imaging	g Short Filter	Long Filter	Readout Pa	ttern (Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Spectral Elements	1	F115W	F444W	DEEP8	6	i	1	3	3	3510.924	
ΙĔ	2	F150W	F277W	DEEP8	5		1	3	3	2866.718	
I∺	3	F200W	F356W	DEEP8	5		1	3	3	2866.718	
<u></u>	4	F090W	F410M	DEEP8	6	i	1	3	3	3510.924	
1 # 1	5	F090W	F410M	DEEP8	6	i	1	3	3	3510.924	
l ĕ	6	F200W	F356W	DEEP8	5		1	3	3	2866.718	
<u>v</u>	7	F150W	F277W	DEEP8	5		1	3	3	2866.718	
_	8	F115W	F444W	DEEP8	6		1	3	3	3510.924	
ents	No Parallel MSA Planned Ape	erture PA 194.49 to	194.49 Degrees (V3	3 55.99766 to 55.997	(66)						
Special Requirements	Same V3 PA 19, 2	20, 21, 22, 23, 24, 25	5, 26, 27, 28, 29, 30	(Aperture PAs diffe	rr)						

<u>Pro</u>	posal 1180	- Observat	ion 7 - NIRCa	am-NIRSpe	ec galax	y asse	mbly surve	y - GO0	DDS-S - part	#1r		
			ep Pointing 1 Part 1								Tue Feb 2	20 22:04:56 GMT 2018
Observation	Diagnostic Statu	s: Warning										
Ľĕ	Observing Templ	ate: NIRCam Imag	ging									
Se	Coordinated Paral	lel Template(s): M	IIRI Imaging									
۱ă												
Diagnostics	(Visit 7:1) Warnii	ng (Form): Overhe	ads are provisional un	til the Visit Planne	er has been r	un.						
	# Na	me	Target Co	ordinates			Targ. Co	ord. Correc	tions	Miscella	aneous	
Targets	(7) PC	INTINGONE		37.7110 (53.1571	,			otion RA: 0.	•			
§				8 46.58 (-27.8129	4d)		•	otion Dec: 0	.00 mas/yr			
⊒ ⊒			Equinox: J	2000			Parallax:					
g							Epoch of	Position: 20	0.00			
Fixed	Comments: Category=Unider	ntified										
1"	Description=[Hig	h Latitude Field]										
	Extended=YES						MIDIT					
<u>a</u> t	NIRCam Imagin Module: ALL	<u>g</u>					MIRI I	maging y: FULL				
l d	Subarray: FULL						Subarra	y. FULL				
Template	Subarray, 1 CLL											
	#	Prim	nary Dither Type	Primary Ditl	hers	Dith	er Size	Sub	pixel Positions	Coordinated Pa	rallel Dither	Direct Images
Je l										Subpixel Select		
Dithers	1	NON	IE .					1		9-POINT-WITH F770W	I-MIRI- NO_D	ITHERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout I	Pattern (Groups/In	t Integra	tions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
١٤	1	F090W	F410M	DEEP8	7	7	1		9	9	12465.39	
I≗	2	F150W	F444W	DEEP8	7	1	1		9	9	12465.39	
a	3	F200W	F335M	DEEP8	7	7	1		9	9	12465.39	
t	4	F115W	F277W	DEEP8	7		1		9	9	12465.39	
e e	5	F115W	F356W	DEEP8	7	7	1		9	9	12465.39	
_												
Spectral Elements	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrat	ions/Exp	Exposures/Dith	Dither	Total Dithe	ers Total Integrations	Total Exposur Time	e ETC Wkbk.Calc ID
١ξ	1	F770W	SLOW	58	1		1		9	9	12470.538	
l a	2	F770W	SLOW	58	1		1		9	9	12470.538	
<u>=</u>	3	F770W	SLOW	58	1		1		9	9	12470.538	
Ιŧ	4	F770W	SLOW	58	1		1		9	9	12470.538	
) ed	5	F770W	SLOW	58	1		1		9	9	12470.538	

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

				<u>am-NIRSpe</u>	<u>c gala</u>	xy asse	embly sur	<u>vey - GO</u>	<u>ODS-S - part</u>	<u>#1r</u>		
on	_	bservation 8: Deep	Pointing 1 Part 2								Tue Feb	20 22:04:56 GMT 201
atı	Diagnostic Status	-										
إ إ		te: NIRCam Imagir	-									
Observation	Coordinated Paral	lel Template(s): MI	RI Imaging									
Diagnostics	(Visit 8:1) Warnin	g (Form): Overhead	ls are provisional un	til the Visit Planne	er has been	run.						
_	# Na	me	Target Co	ordinates			Targ.	Coord. Corre	ctions	Miscell	aneous	
S	(21) PO	INTINGONE-CEN		37.8900 (53.1578	3750d)			Motion RA: 0				
ı argets			Dec: -27 4	8 44.00 (-27.81222	2d)		_	Motion Dec: 0	-			
ק			Equinox: J	2000			Paralla	x: 0.00"				
5							Epoch	of Position: 20	0.000			
rixed	Comments: Category=Uniden Description=[Hig Extended=YES	tified h Latitude Field]										
ıe	NIRCam Imaging	g					MIF	I Imaging				
ח	Module: ALL						Suba	rray: FULL				
ıempiate	Subarray: FULL											
င	Rows	Colum	ns	Row Overlap	%	Colı	ımn Overlap %	Ro	w shift	Column shift	Tile O	rder
Mosaic	2	1		95.0		10.0		0.0		0.0	DEFA	ULT
Ditners	#	Prima	ry Dither Type	Primary Dith	hers	Dith	er Size	Sul	opixel Positions	Coordinated Pa Subpixel Select	or Prime	
ב	1	NONE						1		4-POINT-WITH F770W	H-MIRI- NO_D	ITHERING
uts	NIRCam Imaging	g Short Filter	Long Filter	Readout P	Pattern	Groups/In	it Inte	grations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
ן פַּ	1	F115W	F410M	DEEP8		7	1		4	4	5540.173	
1	2	F150W	F444W	DEEP8		7	1		4	4	5540.173	
Jecilal Elements	3	F090W	F277W	DEEP8		7	1		4	4	5540.173	
<u>7</u>	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integra	ations/Exp	Exposures/Di	th Dither	Total Dithe	ers Total Integrations	Total Exposur Time	e ETC Wkbk.Cal
Ĕ	1	F770W	SLOW	58	1		1		4	4	5542.461	
<u> </u>	2	F770W	SLOW	58	1		1		4	4	5542.461	
<u> </u>	3	F770W	SLOW	58	1		1		4	4	5542.461	
spectral Elements												

<u> Pr</u>	oposai 1180 - Observation 8 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 7, 8, 9, 10, 11, 12
uire	
Segi	Same Aperture PA 7, 8, 9, 10, 11, 12
<u> </u>	
Special	
1 (7	

Pro	oposal 1180	- Observati	on 9 - NIRCa	am-NIRSpe	ec gala	ixy asse	embly surve	ey - GO	ODS-S - part	#1r		
o	Proposal 1180, C	bservation 9: Deep	p Pointing 1 Part 3								Tue Feb 2	0 22:04:56 GMT 2018
Observation	Diagnostic Statu	_										
 ≥		ate: NIRCam Imagi	-									
SS	Coordinated Paral	llel Template(s): MI	IRI Imaging									
Ō												
Diagnostics	(Visit 9:1) Warniı	ng (Form): Overhea	ds are provisional un	til the Visit Planr	er has beer	n run.						
	# Na	me	Target Co	ordinates			Targ. C	oord. Correc	etions	Miscella	aneous	
ş	(8) PC	INTINGONE-A	RA: 03 32	38.0690 (53.158	6208d)		Proper N	Notion RA: 0.	.00 mas/yr			
Ιğ				8 41.42 (-27.811:	51d)		_	Motion Dec: 0	.00 mas/yr			
Targets			Equinox: J	2000			Parallax					
柡							Epoch o	f Position: 20	00.0			
Fixed	Comments: Category=Unider	ntified										
"	Description=[Hig Extended=YES	th Latitude Field]										
ţ	NIRCam Imagin						MIRI	Imaging				
l 등	Module: ALL						Subari	ay: FULL				
Template	Subarray: FULL											
	#	Prima	ary Dither Type	Primary Di	thers	Dith	ner Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
Dithers	1	NONI	E					1		9-POINT-WITH F770W		THERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout	Pattern	Groups/In	nt Integr	ations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
l e	1	F090W	F410M	DEEP8		7	1		9	9	12465.39	
le E	2	F150W	F444W	DEEP8		7	1		9	9	12465.39	
1 =	3	F200W	F335M	DEEP8		7	1		9	9	12465.39	
1 #	4	F115W	F277W	DEEP8		7	1		9	9	12465.39	
be	5	F115W	F356W	DEEP8		7	1		9	9	12465.39	
_	MADA A	T:14	P 1 (P)	C 77.1	Ŧ.,		T. /D//	Dul	T (I Dtd	m . 1	T () F	PECTULE C.
ents	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integr	rations/Exp	Exposures/Dith	Dither	Total Dithe	ers Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
ΙĔ	1	F770W	SLOW	58	1		1		9	9	12470.538	
ΙË	2	F770W	SLOW	58	1		1		9	9	12470.538	
a	3	F770W	SLOW	58	1		1		9	9	12470.538	
늉	4	F770W	SLOW	58	1		1		9	9	12470.538	
Spectral Eleme	5	F770W	SLOW	58	1		1		9	9	12470.538	
<u> </u>												

<u> Pr</u>	oposal 1180 - Observation 9 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
nts	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12
l l	Same Aperture PA 7, 8, 9, 10, 11, 12
Jire	
<u> </u>	
≃	
<u> </u>	
Special	
(A)	

<u>Pro</u>	posal 1180	- Observati	on 10 - NIRC	Cam-NIRSp	ec galaxy as	sembly surv	ey - GC	ODS-S - par	t #1r		
L C	Proposal 1180, C	bservation 10: De	ep Pointing 2 Part 1							Tue Feb 2	0 22:04:56 GMT 2018
Observation	Diagnostic Status	s: Warning									
ڲٚٳ	Observing Templ	ate: NIRCam Imagi	ng								
l se	Coordinated Paral	lel Template(s): M	IRI Imaging								
١ä											
Ś	(Visit 10:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Planr	ner has been run.						
Diagnostics	,		1								
۱ĕ											
ğ											
I∺											
T	# Na	me	Target Co	ordinates		Targ. Co	ord. Correc	tions	Miscella	aneous	
ts	(9) PC	INTINGTWO	RA: 03 32	41.1410 (53.1714	208d)	Proper M	otion RA: 0.	0 mas/yr			
Targets			Dec: -27 4	9 27.08 (-27.8241	9d)	Proper M	otion Dec: 0	.00 mas/yr			
<u>a</u>			Equinox: J	12000		Parallax:	0.00"				
م ا						Epoch of	Position: 20	0.00			
Fixed	Comments:										
匝	Category=Unider Description=[Hig	itified h Latitude Field1									
Щ	Extended=YES										
흎	NIRCam Imagin	g				MIRI I	maging				
ଞ	Module: ALL					Subarra	y: FULL				
Template	Subarray: FULL										
-											
Dithers	#	Prima	ary Dither Type	Primary Dith	hers Dit	her Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
ΔĦ	1	NON	Е				1		9-POINT-WITH F770W	I-MIRI- NO_DI	THERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout I	Pattern Groups/I	nt Integra	tions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
ΙĔ	1	F090W	F410M	DEEP8	7	1		9	9	12465.39	
I≗	2	F150W	F444W	DEEP8	7	1		9	9	12465.39	
<u>=</u> [3	F200W	F335M	DEEP8	7	1		9	9	12465.39	
븅	4	F115W	F277W	DEEP8	7	1		9	9	12465.39	
lě	5	F115W	F356W	DEEP8	7	1		9	9	12465.39	
S											
nts	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithe	ers Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
l e	1	F770W	SLOW	58	1	1		9	9	12470.538	
l <u>ē</u>	2	F770W	SLOW	58	1	1		9	9	12470.538	
ΙШ	3	F770W	SLOW	58	1	1		9	9	12470.538	
1 =											
tral	4	F770W	SLOW	58	1	1		9	9	12470.538	
Spectral Elements	4 5	F770W F770W	SLOW SLOW	58 58	1 1	1 1		9 9	9 9	12470.538 12470.538	

Proposal 1180 - Observation 10 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r	
No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12	
Same Aperture PA 7, 8, 9, 10, 11, 12	
iba	
$ \underline{lpha} $	
Special	

					ec gal	axy ass	sembly su	rvey - G	OODS-S - pa	<u>rt #1r</u>		
	• ′		ep Pointing 2 Part 2								Tue Fel	20 22:04:56 GMT 201
Ĭ	Diagnostic Status	: Warning										
Ž	Observing Templa	nte: NIRCam Imagii	ng									
Observation	Coordinated Paral	lel Template(s): MI	RI Imaging									
Diagnostics	(Visit 11:1) Warni	ng (Form): Overhea	ads are provisional u	ntil the Visit Planr	ner has bee	en run.						
=	# Na	me	Target Co	ordinates			Targ.	Coord. Corre	ctions	Miscell	laneous	
2	(22) PO	INTINGTWO-CEN		41.3200 (53.1721	.667d)			Motion RA: 0				
largets			Dec: -27 4	9 24.50 (-27.8234	7d)		_	Motion Dec: (· ·			
a			Equinox: J	12000			Paralla	nx: 0.00"				
5							Epoch	of Position: 20	0.000			
	Comments: Category=Uniden Description=[Hig Extended=YES	tified h Latitude Field]										
_	NIRCam Imaging	g					MIF	RI Imaging				
	Module: ALL						Suba	ırray: FULL				
emplate	Subarray: FULL											
_	Rows	Colum	ns	Row Overlap	%	Colı	ımn Overlap %	Ros	w shift	Column shift	Tile	Order
Mosaic	2	1		95.0		10.0	_	0.0		0.0		AULT
Ditners	#	Prima	ry Dither Type	Primary Dith	hers	Dith	er Size	Sul	ppixel Positions	Coordinated P Subpixel Select	tor Prin	
2	1	NONE	E					1		4-POINT-WITE F770W	H-MIRI- NO_	DITHERING
şnts	NIRCam Imaging	g Short Filter	Long Filter	Readout I	Pattern	Groups/Ir	it Inte	grations/Exp	Total Integrations	s Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
Ē	1	F115W	F410M	DEEP8		7	1		4	4	5540.173	
<u> </u>	2	F150W	F444W	DEEP8		7	1		4	4	5540.173	
Jectral Elements	3	F090W	F277W	DEEP8		7	1		4	4	5540.173	
Spectral Elements S	MIRI Imaging	Filter	Readout Pattern		Integr	ations/Exp	Exposures/Di	th Dither	Total Dith	ers Total Integrations	Total Exposi	ıre ETC Wkbk.Cal
É	1	F770W	SLOW	58	1		1		4	4	5542.461	
<u> </u>	2	F770W	SLOW	58	1		1		4	4	5542.461	
<u>च</u>	3	F770W	SLOW	58	1		1		4	4	5542.461	
ت و												
2												

<u>Pr</u>	oposai 1180 - Observation 11 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 7, 8, 9, 10, 11, 12
uire	
Sed	No Parallel Same Aperture PA 7, 8, 9, 10, 11, 12
ia F	
Special	
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Pro	posal 1180	- Observati	on 12 - NIRC	am-NIRSp	ec gala	xy assei	mbly surve	ey - GC	ODS-S - part	t #1r		
Observation	Proposal 1180, O Diagnostic Status Observing Templa	bservation 12: De	ep Pointing 2 Part 3		gara.	, , , , , , , , , , , , , , , , , , , 	,	,			Tue Feb 2	0 22:04:56 GMT 2018
Diagnostics	(Visit 12:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Plan	ner has been	un.						
	# Na	me	Target Co	ordinates			Targ. Coo	rd. Correc	tions	Miscella	aneous	
ts	(10) PO	INTINGTWO-A	RA: 03 32	41.4990 (53.1729	0125d)		Proper Mo	tion RA: 0.	0 mas/yr			
ge			Dec: -27 4	9 21.92 (-27.8227	6d)		Proper Mo	tion Dec: 0.	.00 mas/yr			
Targets			Equinox: J	2000			Parallax: 0	.00"				
١٦							Epoch of I	Position: 200	0.00			
Fixed	Comments: Category=Uniden Description=[Hig Extended=YES											
te	NIRCam Imagin	g					MIRI Ir	naging				
Sa Sa	Module: ALL						Subarray	: FULL				
Template	Subarray: FULL											
Dithers	#	Prima	ary Dither Type	Primary Dit	hers	Dither S	Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
	1	NONI	Ξ					1		9-POINT-WITH F770W	I-MIRI- NO_DI	THERING
Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout 1	Pattern G	roups/Int	Integrat	ions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
ΙĔ	1	F090W	F410M	DEEP8	7		1		9	9	12465.39	
I₩	2	F150W	F444W	DEEP8	7		1		9	9	12465.39	
a	3	F200W	F335M	DEEP8	7		1		9	9	12465.39	
븅	4	F115W	F277W	DEEP8	7		1		9	9	12465.39	
Spectral	5	F115W	F356W	DEEP8	7		1		9	9	12465.39	
Spectral Elements	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrati	ons/Exp Ex	xposures/Dith	Dither	Total Dithe	rs Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
ΙĔ	1	F770W	SLOW	58	1	1			9	9	12470.538	
	2	F770W	SLOW	58	1	1			9	9	12470.538	
<u> </u>	3	F770W	SLOW	58	1	1			9	9	12470.538	
ΙĦ	4	F770W	SLOW	58	1	1			9	9	12470.538	
ĕ	5	F770W	SLOW	58	1	1			9	9	12470.538	
S												

<u> Pr</u>	oposai 1180 - Observation 12 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 7, 8, 9, 10, 11, 12
uire	
Sed	Same Aperture PA 7, 8, 9, 10, 11, 12
<u> </u>	
Special	
$\overline{\alpha}$	

Pro	posal 1180	- Observation	on 13 - NIRC	am-NIRS	pec ga	laxy ass	sembly surv	ey - GC	ODS-S - part	t #1r		
on	Proposal 1180, O	bservation 13: Dec	ep Pointing 3 Part 1								Tue Feb 20	22:04:56 GMT 2018
aţi.	Diagnostic Status	_										
≥		te: NIRCam Imagi	•									
Observation	Coordinated Paral	lel Template(s): MI	RI Imaging									
_												
Diagnostics	(Visit 13:1) Warn	ng (Form): Overhea	ads are provisional u	ntil the Visit Pla	nner has bed	en run.						
	# Na	me	Target Co	ordinates			Targ. Co	ord. Correc	tions	Miscella	aneous	
ts	(11) PO	INTINGTHREE		43.8580 (53.182	· · · · · ·		=	otion RA: 0.	· ·			
§				7 13.50 (-27.787	(08d)		_	otion Dec: 0	.0 mas/yr			
Targets			Equinox: J	2000			Parallax:					
b							Epoch of	Position: 20	00.0			
Fixed	Comments: Category=Uniden Description=[Hig Extended=YES	tified h Latitude Field]										
ē	NIRCam Imagin	3					MIRI I	maging				
	Module: ALL						Subarra	y: FULL				
Template	Subarray: FULL											
Dithers	#	Prima	ary Dither Type	Primary Di	thers	Dith	er Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
Dit	1	NONE	Ξ					1		9-POINT-WITH F770W	I-MIRI- NO_DI	THERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout	Pattern	Groups/In	t Integra	tions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
ΙĔ	1	F090W	F410M	DEEP8		7	1		9	9	12465.39	
I≗	2	F150W	F444W	DEEP8		7	1		9	9	12465.39	
a	3	F200W	F335M	DEEP8		7	1		9	9	12465.39	
[방	4	F115W	F277W	DEEP8		7	1		9	9	12465.39	
Spe	5	F115W	F356W	DEEP8		7	1		9	9	12465.39	
ents	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integr	ations/Exp	Exposures/Dith	Dither	Total Dithe	rs Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
l e	1	F770W	SLOW	58	1		1		9	9	12470.538	
<u>=</u>	2	F770W	SLOW	58	1		1		9	9	12470.538	
<u>=</u>	3	F770W	SLOW	58	1		1		9	9	12470.538	
Ιž	4	F770W	SLOW	58	1		1		9	9	12470.538	
Spectral Elemon	5	F770W	SLOW	58	1		1		9	9	12470.538	

<u> Pr</u>	oposal 1180 - Observation 13 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
ot s	No Parallel
me	Aperture PA Offset 13 from 7 by 4 to 4 Degrees (Same offsets in V3) Same Aperture PA 13, 14, 15, 16, 17, 18
Redui	
<u>.e</u>	
Special	
ΙŌ	\bar{I}

10					ec gal	axy ass	sembly su	<u>ırvey - G</u>	<u> </u>	<u>rt #1r</u>		
on	• ′		ep Pointing 3 Part 2								Tue Fe	b 20 22:04:56 GMT 201
ati	Diagnostic Status	: Warning										
Š		te: NIRCam Imagi	-									
Observation	Coordinated Parall	lel Template(s): MI	RI Imaging									
Diagnostics	(Visit 14:1) Warni	ng (Form): Overhe	ads are provisional u	ntil the Visit Planr	ner has bee	en run.						
_	# Nar	me	Target Co	ordinates			Targ	Coord. Corre	ctions	Miscel	laneous	
S			ENTER RA: 03 32		5417d)			r Motion RA: (
largets			Dec: -27 4	7 11.10 (-27.7864	2d)		_	r Motion Dec:	-			
ar			Equinox: J	2000			Parall	ax: 0.0"				
0							Epoch	of Position: 20	000.			
Fixed	Comments: Category=Uniden Description=[High Extended=YES	tified h Latitude Field]										
te	NIRCam Imaging	7					MI	RI Imaging				
pla	Module: ALL						Sub	array: FULL				
Template	Subarray: FULL											
ပ	Rows	Colum	ns	Row Overlap	%	Colı	ımn Overlap %	Ro	w shift	Column shift	Tile	Order
Mosaic	2	1		95.0		10.0		0.0		0.0	DEF	AULT
Dithers	#	Prima	ry Dither Type	Primary Dith	hers	Dith	ner Size	Sul	bpixel Positions	Coordinated P Subpixel Selec		er Direct Images nes
	1	NONE	3					1		4-POINT-WITE F770W	H-MIRI- NO_	DITHERING
ents	NIRCam Imaging	g Short Filter	Long Filter	Readout I	Pattern	Groups/Ir	nt Into	egrations/Exp	Total Integration	s Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
me	1	F115W	F410M	DEEP8		7	1		4	4	5540.173	
=1e	2	F150W	F444W	DEEP8		7	1		4	4	5540.173	
oectral Elements	3	F090W	F277W	DEEP8		7	1		4	4	5540.173	
ร	MIRI Imaging	Filter	Readout Pattern		Integr	ations/Exp	Exposures/D	ith Dither	Total Dith	ners Total Integrations	Total Expos	ure ETC Wkbk.Cal
Ě	1	F770W	SLOW	58	1		1		4	4	5542.461	
ΕE	2	F770W	SLOW	58	1		1		4	4	5542.461	
a	3	F770W	SLOW	58	1		1		4	4	5542.461	
Spectral Elements												

<u> Pr</u>	oposal 1180 - Observation 14 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
nts	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18
l l	Same Aperture PA 13, 14, 15, 16, 17, 18
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cia	
Special	
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Pro	posal 1180	- Observati	on 15 - NIRC	am-NIRS	pec ga	laxy ass	sembly surv	ey - GC	ODS-S - part	#1r		
on	Proposal 1180, O	bservation 15: Dec	ep Pointing 3 Part 3								Tue Feb 2	0 22:04:56 GMT 2018
ati	Diagnostic Status	_										
<u>≥</u>		ate: NIRCam Imagi	-									
Observation	Coordinated Paral	lel Template(s): MI	RI Imaging									
_												
Diagnostics	(Visit 15:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Pla	nner has be	en run.						
		me	Target Co	ordinates			Targ. Co	ord. Correc	tions	Miscella	aneous	
Targets	(12) PO	INTINGTHREE-A		44.2420 (53.18			=	otion RA: 0.				
l g			7 8.70 (-27.7857	75d)		=	otion Dec: 0	.00 mas/yr				
⊒			Equinox: J	2000			Parallax:					
be							Epoch of	Position: 20	00.0			
Fixed	Comments: Category=Unidentified											
	Description=[Hig Extended=YES	h Latitude Field]										
ţ.	NIRCam Imagin	g					MIRI	maging				
Template	Module: ALL						Subarra	ıy: FULL				
ΙĒ	Subarray: FULL											
ers	#	Prima	ry Dither Type	Primary D	ithers	Dith	er Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
Dithers	1	NONE	3					1		9-POINT-WITH F770W	I-MIRI- NO_DI	ΓHERING
_	NIRCam Imagin	g Short Filter	Long Filter	Readou	t Pattern	Groups/In	t Integra	ations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
a l	1	F090W	F410M	DEEP8		7	1		9	9	12465.39	
<u> </u>	2	F150W	F444W	DEEP8		7	1		9	9	12465.39	
1 🚆	3	F200W	F335M	DEEP8		7	1		9	9	12465.39	
1 #	4	F115W	F277W	DEEP8		7	1		9	9	12465.39	
Spectral Elements	5	F115W	F356W	DEEP8		7	1		9	9	12465.39	
-	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Intern	rations/Evn	Exposures/Dith	Dither	Total Dither	rs Total	Total Exposure	ETC Wkbk.Calc
Spectral Elements	THE IMAGING			-		acions/LAp		Dittici		Integrations	Time	ID ID
e H	1	F770W	SLOW	58	1		1		9	9	12470.538	
Ī	2	F770W	SLOW	58	1		1		9	9	12470.538	
ā	3	F770W	SLOW	58	1		1		9	9	12470.538	
šć	4 5	F770W	SLOW	58 58	1		1		9	9	12470.538	
Sp	3	F770W	SLOW	58	1		1		9	9	12470.538	

<u>Pro</u>	oposal 1180 - Observation 15 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
nts	No Parallel Same Aperture PA 13, 14, 15, 16, 17, 18
me	Same Aperture PA 13, 14, 15, 16, 17, 18
lire	
ed	
"	
Cia	
Special	

Pro	posal 1180	- Observati	on 16 - NIRC	am-NIRSp	ec gala	xy ass	sembly surv	ey - GC	ODS-S	- part #	1r			
			ep Pointing 4 Part 1									Tue	Feb 20 2	2:04:56 GMT 2018
Observation	Diagnostic Status	s: Warning												
ĬŽ	Observing Templa	ate: NIRCam Imagi	ng											
Se	Coordinated Paral	llel Template(s): M	IRI Imaging											
۱ä														
Ś	(Visit 16:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Plan	ner has been	run.								
Diagnostics			•											
۱ë														
l g														
ä														
	# Na	me	Target Co	ordinates			Targ. Coo	ord. Correc	tions		Miscella	aneous		
ţ	(13) PO	INTINGFOUR	RA: 03 32	47.1280 (53.1963	8667d)		Proper Mo	otion RA: 0.	00 mas/yr					
g			Dec: -27 4	7 57.50 (-27.7993	1d)		Proper Mo	otion Dec: 0	.00 mas/yr					
<u>a</u>			Equinox: J	2000			Parallax: (0.00"						
Fixed Targets							Epoch of I	Position: 20	0.00					
Ĭ.≚	Comments:													
"	Category=Uniden Description=[High	itified rh Latitude Field1												
<u> </u>	Extended=YES	gh Latitude Field]												
Template	NIRCam Imagin	g					MIRI I							
[출	Module: ALL						Subarra	y: FULL						
e I	Subarray: FULL													
_														
lers	#	Prima	ary Dither Type	Primary Dit	hers	Dith	er Size	Sub	pixel Position	ns	Coordinated Pa Subpixel Select		ither Dir rimes	rect Images
Dithers	1	NONI	Е					1			9-POINT-WITH F770W	I-MIRI- N	O_DITH	ERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout 1	Pattern (Froups/In	t Integra	tions/Exp	Total Integ	grations T	otal Dithers	Total Exposu Time	re E	TC Wkbk.Calc D
ΙĔ	1	F090W	F410M	DEEP8	7		1		9	9		12465.39		
	2	F150W	F444W	DEEP8	7		1		9	9		12465.39		
<u>=</u> [3	F200W	F335M	DEEP8	7		1		9	9		12465.39		
Įŝ	4	F115W	F277W	DEEP8	7		1		9	9		12465.39		
ğ	5	F115W	F356W	DEEP8	7		1		9	9		12465.39		
_														
Spectral Elements	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrati	ons/Exp	Exposures/Dith	Dither	Tot	tal Dithers	Total Integrations	Total Exp Time	osure	ETC Wkbk.Calc ID
l e	1	F770W	SLOW	58	1		1		9		9	12470.538	3	
	2	F770W	SLOW	58	1		1		9		9	12470.538	3	
1 =	3	F770W	SLOW	58	1		1		9		9	12470.538	3	
1 25	4	F770W	SLOW	58	1		1		9		9	12470.538	3	
Ιĕ	5	F770W	SLOW	58	1		1		9		9	12470.538	3	
Ŋ														

<u> Pr</u>	oposai 1180 - Observation 16 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 13, 14, 15, 16, 17, 18
uire	
Şed	Same Aperture PA 13, 14, 15, 16, 17, 18
<u>a</u> F	
Special	
IΩ	

יו אמנוכ	Diagnostic Status Observing Templa										Tue Feb 2	0 22:04:56 GMT 201
_	(Visit 17:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Plan	ner has bee	n run.						
I	# Na	me	Target Co	ordinates			Targ. Co	ord. Correc	etions	Miscell	aneous	
ı aı yetə	(24) PO	INTINGFOUR-CE	Dec: -27 4	47.3200 (53.1971 7 55.10 (-27.7986			Proper M	lotion RA: 0				
_ g			Equinox: J	2000			Parallax:					
-	Comments: Category=Unider Description=[Hig Extended=YES	tified h Latitude Field]					Epoch of	Position: 20	00.0			
	NIRCam Imagin						MIRI	Imaging				
<u>ק</u>	Module: ALL						Subarra	ıy: FULL				
cilipiate	Subarray: FULL											
2	Rows	Colum	ıns	Row Overlap	%	Colu	ımn Overlap %	Row	, shift	Column shift	Tile Or	der
MOSaic	2	1		95.0		10.0	-	0.0		0.0	DEFAU	JLT
	#	Prima	ary Dither Type	Primary Dit	hers	Dith	er Size	Sub	pixel Positions	Coordinated Pa Subpixel Select		Direct Images
_	1	NONI						1		4-POINT-WITH F770W		THERING
ן בו	NIRCam Imagin	-	Long Filter	Readout 1	Pattern	Groups/In	,	ations/Exp	Total Integrations	,	Total Exposure Time	ETC Wkbk.Calc ID
5	1	F115W	F410M	DEEP8		7	1		4	4	5540.173	
i	2	F150W	F444W	DEEP8		7	1		4	4	5540.173	
	3	F090W	F277W	DEEP8		7	1		4	4	5540.173	
	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integra	ntions/Exp	Exposures/Dith	Dither	Total Dith	ers Total Integrations	Total Exposure Time	e ETC Wkbk.Cal
֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	1	F770W	SLOW	58	1		1		4	4	5542.461	
ן ב	2	F770W	SLOW	58	1		1		4	4	5542.461	
5	3	F770W	SLOW	58	1		1		4	4	5542.461	
֡֝֝֝֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓֓												

<u>Pr</u>	oposai 1180 - Observation 17 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 13, 14, 15, 16, 17, 18
uire	
Sed	Same Aperture PA 13, 14, 15, 16, 17, 18
ial F	
Special	
ľΩ	

Pro	posal 1180	- Observation	on 18 - NIRC	am-NIRS	pec gal	axy ass	sembly su	vey - GC	DODS-S - pa	art #1r				
L C	Proposal 1180, (Observation 18: Dee	p Pointing 4 Part 3								Tue Feb 20) 22:04:56 GMT 2018		
aţi I	Diagnostic Statu	s: Warning												
Įξ	Observing Templ	ate: NIRCam Imagii	ng											
Observation	Coordinated Para	llel Template(s): MI	RI Imaging											
ō														
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. # Name Target Coordinates Targ. Coord. Corrections Miscellaneous													
	# Na	ame	Target Co	ordinates			Targ. (Coord. Correc	ctions	Miscell	aneous			
ts	(14) PC	DINTINGFOUR-A		47.5120 (53.197	· ·		_	Motion RA: 0						
§				7 52.70 (-27.797	97d)		_	Motion Dec: 0	0.00 mas/yr					
Targets			Equinox: J	2000			Paralla							
g							Epoch	of Position: 20	0.00					
Fixed	Comments: Category=Unide	ntified												
1	Description=[Hi	gh [*] Latitude Field]												
g)	NIRCam Imagir						MIR	[Imaging						
Template	Module: ALL							ray: FULL						
ΙĔ	Subarray: FULL							•						
l ^e														
ers	#	Prima	ry Dither Type	Primary Di	thers	Dith	er Size	Sub	pixel Positions	Coordinated P Subpixel Selec	arallel Dither I	Direct Images		
Dithers	1	NONE	3					1		9-POINT-WITI F770W		ΓHERING		
Spectral Elements	NIRCam Imagir	ng Short Filter	Long Filter	Readout	Pattern	Groups/In	nt Integ	rations/Exp	Total Integration	ons Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID		
l e	1	F090W	F410M	DEEP8		7	1		9	9	12465.39	110		
<u>ë</u>	2	F150W	F444W	DEEP8		7	1		9	9	12465.39			
12	3	F200W	F335M	DEEP8		7	1		9	9	12465.39			
ita	4	F115W	F277W	DEEP8		7	1		9	9	12465.39			
l ĕ	5	F115W	F356W	DEEP8		7	1		9	9	12465.39			
S														
nts	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integr	ations/Exp	Exposures/Dit	h Dither	Total Di	thers Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID		
	1	F770W	SLOW	58	1		1		9	9	12470.538	<u></u>		
<u> </u>	2	F770W	SLOW	58	1		1		9	9	12470.538			
1 =	3	F770W	SLOW	58	1		1		9	9	12470.538			
it a	4	F770W	SLOW	58	1		1		9	9	12470.538			
Spectral Eleme	5	F770W	SLOW	58	1		1		9	9	12470.538			
S														

<u> Pr</u>	oposai 1180 - Observation 18 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same Aperture PA 13, 14, 15, 16, 17, 18
uire	
Segi	Same Aperture PA 13, 14, 15, 16, 17, 18
<u> </u>	
Special	
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Pro	posal 1180	- Observati	on 19 - NIRC	am-NIRSp	ec gala	axy ass	sembly sui	vey - G0	DODS-S	S - part	#1r			
		bservation 19: Me				,		,				Tue	Feb 20 22	:04:56 GMT 2018
Observation	Diagnostic Status	s: Warning												
Ž		ate: NIRCam Imagi	•											
pse	Coordinated Paral	lel Template(s): M	IRI Imaging											
_														
Diagnostics	(Visit 19:1) Warn	ing (Form): Overhe	ads are provisional u	ntil the Visit Plann	ner has been	run.								
St														
١ğ														
) ja														
屵	# Na	me	Target Co	ordinates			Targ (Coord. Corre	ctions		Miscella	meons		
တ		EDS0001		38.8500 (53.1618)	750d)			Motion RA: 0			Wilseema	incous		
Targets				7 58.70 (-27.79964	· · · · · ·		=	Motion Dec: (-					
a.			Equinox: J	`	,		Paralla		·					
ΙĘ			-				Epoch o	of Position: 20	0.000					
Fixed	Comments: MEDS													
╽╓	Category=Uniden Description=[Hig													
	Extended=YES													
a	NIRCam Imagin	g						Imaging						
اق	Module: ALL						Subai	ray: FULL						
Template	Subarray: FULL													
	#	Prima	ary Dither Type	Primary Dith	iers	Dith	er Size	Sul	pixel Positi	ons	Coordinated Pa	rallel D	ither Dire	ect Images
Per l				<u> </u>							Subpixel Selector	or P	rimes	
Dithers	1	INTR	AMODULEX	3				1			2-POINT-WITH F1280W	-MIRI- N	O_DITHE	ERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout P	Pattern	Groups/I1	nt Integ	rations/Exp	Total Into	egrations	Total Dithers	Total Exposu Time	re ET	CC Wkbk.Calc
ΙĔ	1	F150W	F277W	MEDIUM8	8	9	1		6		6	5733.435		
I≝	2	F200W	F356W	MEDIUM	8	9	1		6		6	5733.435		
<u>ख</u>	3	F090W	F410M	DEEP8		6	1		6		6	7021.848		
탏	4	F115W	F444W	DEEP8		6	1		6		6	7021.848		
Spe														
_	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integra	tions/Exp	Exposures/Dit	n Dither	T	otal Dither		Total Exp		ETC Wkbk.Calc
e											Integrations	Time		ID .
e I		F770W	SLOW	40	1		1		6		6	5733.581		
Ī	2	F1280W	SLOW	20	2		1		6		12	5733.581		
ra	3	F1280W	SLOW	24 24	2 2		1		6		12	6880.297		
ect	4	F1280W	SLOW	∠4	2		1		6		12	6880.297		
Spectral Elements														
<u> </u>														

<u>Pro</u>	oposal 1180 - Observation 19 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
nts	No Parallel
آھ ا	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)
lire	Same v31A 19, 20, 21, 22, 23, 24, 23, 20, 21, 26, 29, 30 (Aperture 1 As differ)
Requ	
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Sci a	
Special	

Pro	posal 1180	- Observati	on 20 - NIRC	am-NI	RSpec ga	alaxy ass	sembl	y surv	ey - GC	ODS-S - par	t #1r		
		bservation 20: Me								•		Tue Feb 2) 22:04:56 GMT 2018
Observation	Diagnostic Status	_											
	Observing Templa	te: NIRCam Imagi	ng										
S	Coordinated Paral	lel Template(s): MI	RI Imaging										
Ō													
cs	(Visit 20:1) Warni	ng (Form): Overhe	ads are provisional u	ntil the Visi	t Planner has b	een run.							
Diagnostics													
2													
<u>iag</u>													
1	# Na		Target Co						ord. Correc		Miscella	aneous	
Targets	(16) ME	EDS0002		•	3.1729583d)				otion RA: 0.	•			
Į				8 51.00 (-2	7.81417d)			-	otion Dec: 0	.0 mas/yr			
 			Equinox: J	2000				Parallax: (
Fixed	G MEDI	20002					J	Epoch of I	Position: 20	00.0			
Iĕ	Comments: MEDS Category=Uniden	tified											
1	Description=[Hig Extended=YES	h Latitude Field]											
е	NIRCam Imagin							MIRI Iı	ทลฮทาฮ				
Template	Module: ALL	•						Subarray					
ΙĔ	Subarray: FULL							•					
l _e													
rs.	#	Prima	ry Dither Type	Prima	ry Dithers	Dith	er Size		Sub	pixel Positions	Coordinated Pa		Direct Images
Dithers	_										Subpixel Select		TIPD DIG
ă	1	INTR	AMODULEX	3					1		2-POINT-WITH F1280W	I-MIRI- NO_DI	ΓHERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Rea	dout Pattern	Groups/Ir	nt	Integra	tions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
l e	1	F150W	F277W	ME	DIUM8	9		1		6	6	5733.435	
l e	2	F200W	F356W	ME	DIUM8	9		1		6	6	5733.435	
<u>=</u>	3	F090W	F410M	DEI	EP8	6		1		6	6	7021.848	
#	4	F115W	F444W	DEI	EP8	6		1		6	6	7021.848	
be													
_			D. J. (D.)	~ F				77.11	5	m . 1541	m . 1	T . 17	
Spectral Elements	MIRI Imaging	Filter	Readout Pattern	Groups/I	nt Integ	grations/Exp	Exposu	res/Dith	Dither	Total Dithe	rs Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
١ξ	1	F770W	SLOW	40	1		1			6	6	5733.581	
	2	F1280W	SLOW	20	2		1			6	12	5733.581	
a	3	F1280W	SLOW	24	2		1			6	12	6880.297	
1	4	F1280W	SLOW	24	2		1			6	12	6880.297	
þě													
လ													

	roposal 1180 - Observation 20 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
Ę	No Parallel
֓֟֝֟֓֓֟֟֓֓֓֓֟֟֓֓֓֓֓֟֟֓֓֓֓֓֟֟֓֓֓֓֓֟֟֓֓֓֟֓֓֓֟֓֓֓֓	No Parallel Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
<u>i</u>	5 =
Require	
i c	$ar{ar{ar{a}}}$ $ar{ar{a}}$

Pro	posal 1180	- Observation	on 21 - NIRC	am-NIRSp	ec ga	laxy as:	sembly	/ surv	ey - GC	ODS-S	S - part	#1r		
Observation	Proposal 1180, O	bservation 21: Me											Tue Fel	20 22:04:57 GMT 2018
/at	Diagnostic Status	_												
ie l		te: NIRCam Imagin lel Template(s): MI	-											
۱ã	Coordinated 1 arai	ier reinpiate(s). ivii	Ki iiiagiiig											
_	ar : 21 1) W	(F.) 0 1												
Diagnostics	(Visit 21:1) Warni	ng (Form): Overhe	ads are provisional u	ntil the Visit Plan	ner has be	en run.								
OS														
l g														
E∃														
	# Na	me	Target Co	ordinates			7	Farg. Coo	ord. Correc	tions		Miscella	aneous	
ţ	(17) ME	DS0005	RA: 03 32	30.7300 (53.1280	0417d)		I	Proper Mo	otion RA: 0.	0 mas/yr				
l ĝ			Dec: -27 49	9 11.40 (-27.8198	3d)		I	Proper Mo	otion Dec: 0	.0 mas/yr				
Targets			Equinox: J	2000				Parallax: (
Fixed							I	Epoch of l	Position: 20	0.00				
۱ž	Comments: MEDS Category=Uniden													
_	Description=[Hig Extended=YES	h Latitude Field]												
ē.	NIRCam Imagin							MIRI I	naging					
Pa Ba	Module: ALL							Subarray	y: FULL					
Template	Subarray: FULL													
ers	#	Prima	ry Dither Type	Primary Dit	hers	Dith	ner Size		Sub	pixel Posit	ions	Coordinated Pa Subpixel Select		er Direct Images nes
Dithers	1	INTRA	AMODULEX	3					1			2-POINT-WITH F1280W	I-MIRI- NO_	DITHERING
nts	NIRCam Imagin	g Short Filter	Long Filter	Readout	Pattern	Groups/I	nt	Integra	tions/Exp	Total Int	tegrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
a e	1	F090W	F410M	DEEP8		6		1		6		6	7021.848	,
<u>=</u>	2	F115W	F444W	DEEP8		6		1		6		6	7021.848	
l =	3	F150W	F277W	MEDIUM	[8	9		1		6		6	5733.435	
lä	4	F200W	F356W	MEDIUM	18	9		1		6		6	5733.435	
Spectral Elements														
_	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integr	ations/Exp	Exposur	res/Dith	Dither	Т	otal Dither	rs Total	Total Exposi	ıre ETC Wkbk.Calc
en				-								Integrations	•	ID
e I		F1280W	SLOW	24	2		1			6		12	6880.297	
	2	F1280W	SLOW	24	2		1			6		12	6880.297	
ra	3	F1280W F770W	SLOW SLOW	20 40	2		1			6		12 6	5733.581 5733.581	
Spectral Elements	4	r//UW	SLUW	40	1		1			0	ı	O	3/33.361	
Sp														
	1													

<u> Pr</u>	oposai 1180 - Observation 21 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts.	No Parallel
me	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
ij	
Sed	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
<u>-</u>	
Special	
ΙŒ	$\overline{1}$

Pro	posal 1180	- Observati	on 22 - NIRC	am-NIRSp	ec galaxy	assem	blv surv	ev - GC	OODS-S - par	t #1r		
_		bservation 22: Me									Tue Feb	20 22:04:57 GMT 2018
Observation	Diagnostic Status	: Warning										
ا ق	Observing Templa	te: NIRCam Imagi	ng									
Se	Coordinated Paral	lel Template(s): Ml	IRI Imaging									
ŏ												
cs	(Visit 22:1) Warni	ng (Form): Overhe	ads are provisional u	ntil the Visit Plann	er has been run.							
Diagnostics												
2												
ag												
قا												
l	# Na	me	Target Co	ordinates			Targ. Coo	ord. Correc	tions	Miscella	neous	
ts.	(18) ME	EDS0006	RA: 03 32	33.3800 (53.13908	333d)		Proper Mo	otion RA: 0.	0 mas/yr			
Ιğ			Dec: -27 5	0 3.70 (-27.83436d	1)		•	otion Dec: 0	.0 mas/yr			
Targets			Equinox: J	2000			Parallax: (
ᄝ							Epoch of l	Position: 20	00.0			
Fixed	Comments: MEDS Category=Uniden											
I۳	Description=[Hig											
	Extended=YES						MIDIT					
<u>a</u> te	NIRCam Imagin	<u>g</u>					MIRI I					
틸	Module: ALL Subarray: FULL						Subarra	/. FULL				
Template	Subarray, POLL											
	#	Prima	ary Dither Type	Primary Dith	ers	Dither Siz	ze .	Sub	pixel Positions	Coordinated Pa	rallel Dithe	Direct Images
le l									•	Subpixel Selector	or Prime	s
Dithers	1	INTR	AMODULEX	3				1		2-POINT-WITH F1280W	-MIRI- NO_D	ITHERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout P	attern Grou	ps/Int	Integra	tions/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
١٤	1	F150W	F277W	MEDIUM8	9		1		6	6	5733.435	
I≗	2	F200W	F356W	MEDIUM8	9		1		6	6	5733.435	
a	3	F090W	F410M	DEEP8	6		1		6	6	7021.848	
l ti	4	F115W	F444W	DEEP8	6		1		6	6	7021.848	
be												
_	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integrations	Exp Exp	osures/Dith	Dither	Total Dithe	rs Total	Total Exposu	re ETC Wkbk.Calc
l ţ	Track Innuging		Treated I attern	Groups/Int		EAP EAP	osur cs/ Ditii	Dittier		Integrations	Time	ID ID
ΙĔ	1	F770W	SLOW	40	1	1			6	6	5733.581	
Ιä	2	F1280W	SLOW	20	2	1			6	12	5733.581	
آج ا	3	F1280W	SLOW	24	2	1			6	12	6880.297	
ដ	4	F1280W	SLOW	24	2	1			6	12	6880.297	
Spectral Elements												
S												

<u>Prop</u>	bosai 1180 - Observation 22 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
l g	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
l äi	
Sed	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
Special	
) g	

Pro	posal 1180	- Observation	on 23 - NIRC	am-NIRS	pec ga	laxy ass	sembly sur	vey - GC	OODS-S - par	t #1r		
		bservation 23: Me									Tue Feb 20) 22:04:57 GMT 2018
Observation	Diagnostic Status	: Warning										
≥		te: NIRCam Imagii	-									
pse	Coordinated Paral	lel Template(s): MI	RI Imaging									
_												
Diagnostics	(Visit 23:1) Warni	ng (Form): Overhea	ads are provisional u	ntil the Visit Pla	nner has be	en run.						
Sti												
١Ĕ												
<u>ja</u>												
屵	# Na:	me	Target Co	ordinates			Tara (Coord. Correc	rtions	Miscella	neous	
ဖ		DS0009		46.9800 (53.19:	57500d)			Motion RA: 0		Miscena	incous	
g	(-2)			6 46.00 (-27.779			•	Motion Dec: 0	•			
Targets			Equinox: J		,		Paralla		Ž			
ΙĘ			•				Epoch	of Position: 20	0.00			
Fixed	Comments: MEDS											
[Category=Uniden Description=[Hig											
_	Extended=YES	· · · · · · · · · · · · · · · · · · ·										
ate	NIRCam Imagin	g						Imaging				
١ĝ	Module: ALL						Suba	ray: FULL				
Template	Subarray: FULL											
	#	Primo	ry Dither Type	Primary D	thore	Dith	er Size	Sub	pixel Positions	Coordinated Pa	rallal Dithar l	Direct Images
ē	" Timary Dialet Type						CI SIZC		pixei i ositions	Subpixel Selector		on eet images
Dithers	1	1 INTRAMODULEX 3						1		2-POINT-WITH F1280W	THERING	
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readou	Pattern	Groups/In	t Integ	rations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
ΙË	1	F090W	F410M	DEEP8		6	1		6	6	7021.848	
	2	F115W	F444W	DEEP8		6	1		6	6	7021.848	
<u>=</u> [3	F150W	F277W	MEDIU	M8	9	1		6	6	5733.435	
l $\frac{1}{5}$	4	F200W	F356W	MEDIU	M8	9	1		6	6	5733.435	
) be												
-	MIRI Imaging	Filter	Readout Pattern	Groups/Int	Integ	rations/Exp	Exposures/Dit	h Dither	Total Dithe	rs Total	Total Exposure	ETC Wkbk.Calc
e l										Integrations	Time	ID
e I		F1280W	SLOW	24	2		1		6	12	6880.297	
	2	F1280W	SLOW	24	2		1		6	12	6880.297	
<u>ra</u>	3	F1280W F770W	SLOW SLOW	20 40	2		1		6 6	12 6	5733.581 5733.581	
ect	-	1.//044	SLUW	40	1		1		υ	U	3/33.361	
Spectral Elements												

<u>Pro</u>	oposai 1180 - Observation 23 - NIRCam-NIRSpec galaxy assembly survey - GOODS-5 - part #1r
nts	No Parallel
me	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
uire	
Sed	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
la	
Special	
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<u>Pro</u>	posal 1180	- Observation	on 24 - NIRC	am-NIRSp	ec gal	axy as	sembly	surv	ey - GC	ODS	-S - part	#1r		
lo	Proposal 1180, O	bservation 24: Me	dium Pointing 6										Tue F	eb 20 22:04:57 GMT 2018
Observation	Diagnostic Status	0												
<u></u>		te: NIRCam Imagin	-											
q	Coordinated Paral	lel Template(s): MI	RI Imaging											
-														
Si	(Visit 24:1) Warni	ng (Form): Overhea	ads are provisional un	ntil the Visit Plani	ner has bee	en run.								
Diagnostics														
g														
E E														
	# Na	me	Target Co	ordinates			Ta	arg. Coo	rd. Correc	tions		Miscella	aneous	
ts	(20) ME	EDS0010	RA: 03 32	49.6200 (53.2067	7500d)		Pr	oper Mo	tion RA: 0.	0 mas/yr				
Targets				7 38.30 (-27.7939	7d)			•	otion Dec: 0	.0 mas/yr				
<u>a</u>			Equinox: J	2000				ırallax: (
g							Eŗ	ooch of l	Position: 200	0.00				
Fixed	Comments: MEDS Category=Uniden													
1	Description=[Hig Extended=YES	h Latitude Field]												
ē	NIRCam Imaging	<u> </u>]	MIRI Iı	naging					
) Sai	Module: ALL							Subarray	: FULL					
Template	Subarray: FULL													
_														
Dithers	#	Prima	ry Dither Type	Primary Ditl	hers	Ditl	ner Size		Sub	pixel Pos	itions	Coordinated Pa Subpixel Select		her Direct Images mes
旨	1	INTRA	AMODULEX	3				1				2-POINT-WITH-MIRI- NO F1280W		_DITHERING
Spectral Elements	NIRCam Imagin	g Short Filter	Long Filter	Readout I	Pattern	Groups/I	nt :	Integra	tions/Exp	Total I	ntegrations	Total Dithers	Total Exposure Time	e ETC Wkbk.Calc ID
ae I	1	F150W	F277W	MEDIUM	8	9		1		6		6	5733.435	
l e	2	F200W	F356W	MEDIUM	.8	9		1		6		6	5733.435	
۱ä	3	F090W	F410M	DEEP8		6		1		6		6	7021.848	
Ιŝ	4	F115W	F444W	DEEP8		6		1		6		6	7021.848	
be														
_	MIRI Imaging	Filter	Readout Pattern	Grouns/Int	Intogr	ations/Evn	Exposure	s/Dith	Dither		Total Dither	rs Total	Total Expo	sure ETC Wkbk,Calc
Spectral Elements	- Inaging		reacout I attern	Отопрыни	- Integr	ations, Exp	Laposure	.5/15/1011	Dittier		Total Dillici	Integrations	Time	ID ID
Ĕ	1	F770W	SLOW	40	1		1				6	6	5733.581	
 📺	2	F1280W	SLOW	20	2		1				6	12	5733.581	
<u>ra</u>	3	F1280W	SLOW	24	2		1				6	12	6880.297	
t	4	F1280W	SLOW	24	2		1				6	12	6880.297	
Spe														
ئنا	I													

<u>Pro</u>	posal 1180 - Observation 24 - NIRCam-NIRSpec galaxy assembly survey - GOODS-S - part #1r
=	No Parallel
me	Same V3 PA 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 (Aperture PAs differ)
uire	
Red	
pecial	
Sp	