



1176 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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JWST Proposal 1176 (Created: Tuesday, May 15, 2018 7:04:57 PM EST) - Overview

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
1: Lensing clusters				
	211	MACS0416-24	NIRCam Imaging	(9) MACSJ0416.1-2403
	212	MACS0416-24	NIRCam Imaging	(9) MACSJ0416.1-2403
	213	MACS0416-24	NIRCam Imaging	(9) MACSJ0416.1-2403
	221	Abell 2744	NIRCam Imaging	(10) ACO-2744
	231	MACS1149+22	NIRCam Imaging	(11) MACSJ1149+2223
	241	El Gordo	NIRCam Imaging	(12) EL-GORDO
	251	PLCK G165.7+67.0	NIRCam Imaging	(13) PLCK-G165.7+67.0
	261	GAMA 100033	NIRCam Imaging	(14) GAMA-100033
	271	RXC J1212+27	NIRCam Imaging	(15) CLG-J1212+2733
2A: NEP Time-Domain Field				

JWST Proposal 1176 (Created: Tuesday, May 15, 2018 7:04:57 PM EST) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	111	NEP TDS FIELD Spoke GTO1	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	112	NEP TDS FIELD Spoke GTO2	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	113	NEP TDS FIELD Spoke GTO3	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	114	NEP TDS FIELD Spoke GTO4	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
2B: IRAC dark field				
	121	SPITZER IDF	NIRCam Imaging	(7) SPITZER-IDF
3: WFC3 ERS Field				
	131	WFC3-ERS-FIELD	NIRCam Imaging	(16) WFC3-ERS-FIELD
4A: z=6 QSOs				
	311	NDWFS 1425	NIRSpec IFU Spectroscopy	(22) NDWFS-1425+3254-CENTRE
	321	SDSS 0005	NIRSpec IFU Spectroscopy	(24) SDSS-J0005-0006-CENTRE
4B: z=7.5 AGN candidate				
	331	z751 Galaxy	NIRSpec IFU Spectroscopy	(19) FIGS1292
4C: Backlit galaxies				
	341	VV 191	NIRCam Imaging	(5) VV-191
4D: z=4-5 proto-cluster				
	361	TN-J1338-1942-IRFLD1	NIRCam Imaging	(17) TN-J1338-1942-IRFLD1

ABSTRACT

We will use 110 hours of JWST IDS GTO time to observe a number of medium-deep fields. To study the epoch of galaxy assembly, AGN growth and First Light in detail. This includes a combination of blank deep fields, best lensing clusters and high-redshift Lyman-alpha galaxies, quasars, and radio galaxies. For details, see attached PDF.

OBSERVING DESCRIPTION

WINDHORST IDS --- JWST GTO PROJECT TITLE:

The Webb Medium-Deep Fields: Galaxy Assembly, Supermassive Blackhole Growth,

WINDHORST IDS --- JWST GTO SCIENCE SUMMARY:

Following our original JWST IDS proposal approved in 2002, we will use our 110 hours of GTO time for a survey of Webb Medium-Deep Fields. Our "WMDF" survey will image ~24 NIRCam fields in up to 8 filters to $AB < 28.5$ -- 29 mag, totaling 240 arcmin^2 or 0.065 deg^2 , or an area equivalent to ~48 HUDF/XDFs. In at least 7 of our NIRCam fields, coordinated NIRISS grism and imaging parallels will cover our previous NIRCam images, and/or UV-optical--near-IR images that are available from HST WFC3+ACS. The coordinated parallels will be used for both object characterization and redshifts, and to expand the area and time-baseline of time-domain studies.

Our WMDF will image at least 13 independent lines-of-sight with NIRCam all over the sky, and is therefore much more robust against cosmic variance at $AB < 28$ mag than JWST programs that image only a few primary areas. The proposed coordinated parallel observations play a critical part in obtaining imaging and grism data that is as homogeneous as possible, over as large an area as possible, and in the least amount of time that is actually feasible with JWST.

Several of our WMDF fields will have a time-domain component on time-scales of hours to a year. We will use the WMDFs to study galaxy assembly and AGN growth over cosmic time. This includes galaxies and early AGN in the epoch of reionization at $z > 6$, including dust-obscured star-formation and AGN that may be hidden at visible wavelengths.

The WMDF time-domain component will allow us to find and study objects with high parallax in our solar system, Galactic brown dwarfs with high proper

motion and/or atmospheric variability, variable weak AGN, high redshift supernovae, and time-varying objects seen behind lensing clusters, including possible cluster caustic transits.

Specifically, as in our original 2002 proposal, and our 2014 and 2016 resubmissions, our targets are a combination of high ecliptic latitude blank fields, some well known high redshift galaxies with AGN, including high redshift Lyman-alpha galaxies, quasars, and radio galaxies. To better study the First Light epoch, in light of developments with HST WFC3 over the past decade, the WMDF will also image several well-studied and also newly selected rich galaxy clusters that boost the signal of very faint $z > 8$ objects via their strong gravitational lensing effect. As a benchmark for the study of high redshift dusty environments, we will also study two local overlapping galaxy pairs.

To encourage immediate use of JWST data by the community and follow-up proposals by both JWST ERS and Cycle 1 GO proposers, we will make the first epoch of our JWST NEP Time-Domain Field (TDF) public immediately (see # 111 in Table 1). The other 3 JWST epochs will be released together with the v1 data products as soon as we have these. Also public rightaway will be 36 primary and 36 parallel Cycle 25 HST orbits in the WFC3 UVIS F275W and ACS B+V filters, an initial 300 ksec of Chandra Cycle 19 ACIS time, as well as VLA 3 GHz B-array and VLBA 4.5 GHz images to $\mu\text{-Jy}$ levels, with VLA A-array data proposed. The presence of a 239 mJy quasar at $z=1.4429$ in the JWST NEP TDF that is unresolved at m.a.s. VLBI resolution will provide VLA/VLBA images of very high dynamic range. Our data release will also include LBT Ugrz images in excellent seeing to $AB < 26.5$ mag and MMT MMIRS images to $JK < 24$ mag, with YH-bands scheduled to provide astrometric and photometric calibration of the first JWST

Here follow the relevant notes to our Observation Table submitted to STScI on April 1, 2017:

(1) We will image with NIRCam in the standard 8 broad-band filter set, except for the shallowest targets, where we may drop some filters. For the NEP Time-Domain Field (TDF) as well as the galaxy clusters, we require coordinated parallel observations with NIRISS/WFSS (F150C and F150R grisms) for both object characterization and redshifts, and time-domain studies (direct images in F200W). Details and the scientific justification of the necessary coordinated parallels (CPARs) are given in Appendix A. All coordinated parallels as schedulable with APT 25.0.3 in Cycle 1 are indicated in Table 1 in parentheses.

(2) For all clusters, we implement coordinated parallel NIRISS imaging to overlap as much as possible with existing imaging from HST HFFs or their parallel fields. This is critical for our main science goal of finding high redshifts objects in the Medium-Deep Fields, and for our time-domain science, as explained in Appendix A. For the deeper as well as the shallower clusters, coordinated parallel imaging is done in the 4 central NIRISS broad-band filters (F150W, F200W, F277W, F356W) to find high redshift objects with the JWST-unique filters. The F150W filter overlaps with previous HST WFC3/IR F160W images for time-domain science.

(3) All times listed in Table 1 are: (Net exposure times) / (Total charged calendar time) as reported by APT 25.0.3 as of March 15, 2017. All times were calculated by APT 25.0.3 in units of seconds. Only the total sum of 109.97 hr is given in hours. Details are given in the attached xlsx file. We also attach a courtesy copy of the aptx file resulting from APT 25.0.3 as of March 15, 2017. We refer the reader to our submitted xlsx table (or the aptx file) for a detailed description of the actual observations and their intended layout on

the sky. Except for the still uncertain APT overheads, all the remainder should be accurate as of the submission date of March 31, 2017.

(4) Depending on how the exact JWST overhead charges evolve in 2017, our final plan to observe our targets in Table 1 may have to be modified somewhat later in 2017. Our science plan and targets will largely remain the same, however. The listed coordinated parallels remain essential to the science goals of our WMDF project, and cannot be sacrificed, even if the overheads change from what we obtained with APT 25.0.3 in Table 1 in March 2017.

(5) According to the JWST ETC, typical 5-sigma sensitivities obtained for point sources from our shallowest (~2 hr) to our deepest (< 6 hr) mosaics are <28.0--28.5 mag to <28.5--29.0 mag per target, respectively. Each of the two AB-magnitude ranges here indicate the typical depth variation from the less sensitive, reddest (3--5 micron) filters to the most sensitive, bluer (0.9--3 micron) NIRCам and NIRISS filters. Some variations in these sensitivity values will occur from field-to-field, depending on exactly how much time can be fit into the final APTs for each field within our total GTO allocation, and on the exact on-orbit Zodical and rogue-path straylight contributions in each particular WMDF field.

Further details can be obtained from the PDF file submitted to STScI on April 1, 2017.

Proposal 1176 - Targets - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	VV-191	RA: 13 48 22.0992 (207.0920800d) Dec: +25 40 40.01 (25.67778d) Equinox: J2000	Proper Motion RA: 0 Proper Motion Dec: 0	
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> <i>Category=Galaxy</i> <i>Description=[Elliptical galaxies, Spiral arms, Spiral galaxies]</i> <i>Extended=YES</i></p>				
(7)	SPITZER-IDF	RA: 17 40 8.0000 (265.0333333d) Dec: +69 00 8.00 (69.00222d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[High Latitude Field]</i></p>				
(8)	JWST-NEP-TDS-FIELD	RA: 17 22 47.8960 (260.6995667d) Dec: +65 49 21.54 (65.82265d) Equinox: J2000		
<p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Infrared sources, Radio sources, Variable radiation sources, Visible sources, X-ray sources]</i> <i>Extended=NO</i></p>				
(9)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>				
(10)	ACO-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Abell clusters, Rich clusters]</i></p>				
(11)	MACSJ1149+2223	RA: 11 49 36.3000 (177.4012500d) Dec: +22 23 58.10 (22.39947d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>				
(12)	EL-GORDO	RA: 01 02 52.5000 (15.7187500d) Dec: -49 14 58.00 (-49.24944d) Equinox: J2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>				

Fixed Targets

Proposal 1176 - Targets - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

(13)	PLCK-G165.7+67.0	RA: 11 27 15.0000 (171.8125000d) Dec: +42 28 31.00 (42.47528d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>			
(14)	GAMA-100033	RA: 08 42 20.8930 (130.5870542d) Dec: +01 38 32.66 (1.64241d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Galaxy groups]</i></p>			
(15)	CLG-J1212+2733	RA: 12 12 22.5128 (183.0938033d) Dec: +27 34 13.88 (27.57052d) Equinox: J2000	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>			
(16)	WFC3-ERS-FIELD	RA: 03 32 42.3970 (53.1766542d) Dec: -27 42 7.93 (-27.70220d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Field galaxies, High-redshift galaxies, Lyman-break galaxies]</i></p>			
(17)	TN-J1338-1942-IRFLD1	RA: 13 28 26.4420 (202.1101750d) Dec: -19 44 26.97 (-19.74082d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[High-redshift clusters]</i></p>			
(19)	FIGS1292	RA: 12 36 37.9130 (189.1579708d) Dec: +62 18 8.60 (62.30239d) Equinox: J2000	Epoch of Position: 2000
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=NO</i></p>			
(20)	ACQTARGET	RA: 12 36 37.4380 (189.1559917d) Dec: +62 18 14.80 (62.30411d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Field galaxies]</i> <i>Extended=YES</i></p>			
(21)	NDWFS-1425+3254- QUASAR	RA: 14 25 16.3687 (216.3182029d) Dec: +32 54 9.30 (32.90258d) Equinox: J2000	
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, High-redshift galaxies, Infrared galaxies, Quasars]</i> <i>Extended=YES</i></p>			

Proposal 1176 - Targets - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

(22)	NDWFS-1425+3254-CENTRE	RA: 14 25 16.4109 (216.3183787d) Dec: +32 54 9.49 (32.90264d) Equinox: J2000
<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, High-redshift galaxies, Infrared galaxies, Quasars]</i> <i>Extended=YES</i></p>		
(23)	SDSS-J0005-0006-QUASAR	RA: 00 05 52.3186 (1.4679942d) Dec: -00 06 56.20 (-.11561d) Equinox: J2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, High-redshift galaxies, Quasars]</i> <i>Extended=YES</i></p>		
(24)	SDSS-J0005-0006-CENTRE	RA: 00 05 52.3437 (1.4680988d) Dec: -00 06 56.98 (-.11583d) Equinox: J2000
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, High-redshift galaxies, Quasars]</i> <i>Extended=YES</i></p>		

Proposal 1176 - Observation 211 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:57 GMT 2018

Observation	<p>Proposal 1176, Observation 211: MACS0416-24</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 211:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Miscellaneous			
	(9)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	7	1	3	3	4155.13	
	2	F115W	F410M	DEEP8	7	1	3	3	4155.13	
	3	F150W	F356W	MEDIUM8	9	1	3	3	2866.718	
	4	F200W	F277W	MEDIUM8	9	1	3	3	2866.718	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.112526 to 23.112526)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.112526 to 113.112526)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.112526 to 203.112526)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.112526 to 293.112526)</p> <p>Offset -85.0 arcsec, -5.0 arcsec</p> <p>No Parallel</p> <p>212 After 211 by 30 Days to 300 Days</p>									

Proposal 1176 - Observation 212 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 212: MACS0416-24</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 212:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(9)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	7	1	3	3	4155.13	
	2	F115W	F410M	DEEP8	7	1	3	3	4155.13	
	3	F150W	F356W	MEDIUM8	9	1	3	3	2866.718	
	4	F200W	F277W	MEDIUM8	9	1	3	3	2866.718	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.112526 to 23.112526)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.112526 to 113.112526)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.112526 to 203.112526)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.112526 to 293.112526)</p> <p>Offset -85.0 arcsec, -5.0 arcsec</p> <p>No Parallel</p> <p>212 After 211 by 30 Days to 300 Days</p> <p>213 After 212 by 30 Days to 300 Days</p>									

Proposal 1176 - Observation 213 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 213: MACS0416-24</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 213:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(9)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	6	1	3	3	3510.924	
	2	F115W	F410M	DEEP8	6	1	3	3	3510.924	
	3	F150W	F356W	MEDIUM8	9	1	3	3	2866.718	
	4	F200W	F277W	MEDIUM8	9	1	3	3	2866.718	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.112526 to 23.112526)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.112526 to 113.112526)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.112526 to 203.112526)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.112526 to 293.112526)</p> <p>Offset -85.0 arcsec, -5.0 arcsec</p> <p>No Parallel</p> <p>213 After 212 by 30 Days to 300 Days</p>									

Proposal 1176 - Observation 221 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 221: Abell 2744</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 221:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(10)	ACO-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Abell clusters, Rich clusters]</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	INTRAMODULEX		3		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	6	1	3	3	3510.924	
	2	F115W	F410M	DEEP8	6	1	3	3	3510.924	
	3	F150W	F356W	MEDIUM8	8	1	3	3	2544.614	
	4	F200W	F277W	MEDIUM8	8	1	3	3	2544.614	
Special Requirements	<p>Aperture PA Range 5 to 9 Degrees (V3 5.112526 to 9.112526)</p> <p>Aperture PA Range 95 to 99 Degrees (V3 95.112526 to 99.112526)</p> <p>Aperture PA Range 185 to 189 Degrees (V3 185.112526 to 189.112526)</p> <p>Aperture PA Range 275 to 279 Degrees (V3 275.112526 to 279.112526)</p> <p>Offset -85.0 arcsec, -5.0 arcsec</p> <p>No Parallel</p> <p>Background Limited. Background no more than 10% above minimum</p>									

Proposal 1176 - Observation 231 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 231: MACS1149+22</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 231:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Miscellaneous		
	(11)	MACSJ1149+2223	RA: 11 49 36.3000 (177.4012500d) Dec: +22 23 58.10 (22.39947d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Coordinates updated to match HFF pointings as published in Lotz et al. (2017).</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	6	1	3	3	3510.924	
	2	F115W	F410M	DEEP8	6	1	3	3	3510.924	
	3	F150W	F356W	MEDIUM8	8	1	3	3	2544.614	
	4	F200W	F277W	MEDIUM8	8	1	3	3	2544.614	
Special Requirements	<p>Aperture PA Range 258 to 270 Degrees (V3 258.112526 to 270.112526)</p> <p>Offset -85.0 arcsec, -5.0 arcsec</p> <p>No Parallel</p>									

Proposal 1176 - Observation 241 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 241: El Gordo</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 241:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(12)	EL-GORDO	RA: 01 02 52.5000 (15.7187500d) Dec: -49 14 58.00 (-49.24944d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	5	1	3	3	2866.718	
	2	F115W	F410M	DEEP8	5	1	3	3	2866.718	
	3	F150W	F356W	MEDIUM8	6	1	3	3	1900.408	
	4	F200W	F277W	MEDIUM8	6	1	3	3	1900.408	
Special Requirements	<p>No Parallel</p> <p>Background Limited. Background no more than 40% above minimum</p>									

Proposal 1176 - Observation 251 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 251: PLCK G165.7+67.0</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 251:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(13)	PLCK-G165.7+67.0	RA: 11 27 15.0000 (171.8125000d) Dec: +42 28 31.00 (42.47528d) Equinox: J2000							
	<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Rich clusters]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	5	1	3	3	2866.718	
	2	F115W	F410M	DEEP8	5	1	3	3	2866.718	
	3	F150W	F356W	MEDIUM8	6	1	3	3	1900.408	
	4	F200W	F277W	MEDIUM8	6	1	3	3	1900.408	
Special Requirements	<p>Aperture PA Range 108 to 130 Degrees (V3 108.112526 to 130.112526)</p> <p>Aperture PA Range 255 to 340 Degrees (V3 255.112526 to 340.112526)</p> <p>Offset 65.0 arcsec, 10.0 arcsec</p> <p>No Parallel</p> <p>Background Limited. Background no more than 10% above minimum</p>									

Proposal 1176 - Observation 261 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 261: GAMA 100033</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 261:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(14)	GAMA-100033	RA: 08 42 20.8930 (130.5870542d) Dec: +01 38 32.66 (1.64241d) Equinox: J2000							
	<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[Galaxy groups]</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	INTRAMODULEX		3		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	5	1	3	3	2866.718	
	2	F150W	F356W	MEDIUM8	6	1	3	3	1900.408	
	3	F200W	F277W	MEDIUM8	6	1	3	3	1900.408	
Special Requirements	<p>No Parallel Background Limited. Background no more than 10% above minimum</p>									

Proposal 1176 - Observation 271 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 271: RXC J1212+27</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 271:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(15)	CLG-J1212+2733	RA: 12 12 22.5128 (183.0938033d) Dec: +27 34 13.88 (27.57052d) Equinox: J2000							
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Clusters of Galaxies</i></p> <p><i>Description=[Rich clusters]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEX		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	5	1	3	3	2866.718	
	2	F150W	F356W	MEDIUM8	6	1	3	3	1900.408	
	3	F200W	F277W	MEDIUM8	6	1	3	3	1900.408	
Special Requirements	<p>Aperture PA Range 122 to 128 Degrees (V3 122.112526 to 128.112526)</p> <p>No Parallel</p> <p>Background Limited. Background no more than 40% above minimum</p>									

Proposal 1176 - Observation 111 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	Proposal 1176, Observation 111: NEP TDS FIELD Spoke GTO1 Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy																																																																																						
	(Visit 111:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 111:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																						
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>JWST-NEP-TDS-FIELD</td> <td>RA: 17 22 47.8960 (260.6995667d) Dec: +65 49 21.54 (65.82265d) Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments:</i> <i>Category=Unidentified</i> <i>Description=[Infrared sources, Radio sources, Variable radiation sources, Visible sources, X-ray sources]</i> <i>Extended=NO</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(8)	JWST-NEP-TDS-FIELD	RA: 17 22 47.8960 (260.6995667d) Dec: +65 49 21.54 (65.82265d) Equinox: J2000																																																																					
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NIRCam Imaging					NIRISS Wide Field Slitless Spectroscopy																																																																																		
Template	Module: ALL Subarray: FULL																																																																																						
Mosaic	<table border="1"> <thead> <tr> <th>Rows</th> <th>Columns</th> <th>Row Overlap %</th> <th>Column Overlap %</th> <th>Row shift</th> <th>Column shift</th> <th>Tile Order</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>10.0</td> <td>57.0</td> <td>0.0</td> <td>0.0</td> <td>DEFAULT</td> </tr> </tbody> </table>										Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order	1	2	10.0	57.0	0.0	0.0	DEFAULT																																																															
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Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Dither Type</th> <th>Primary Dithers</th> <th>Dither Size</th> <th>Subpixel Positions</th> <th>Coordinated Parallel Subpixel Selector</th> <th>Dither Direct Images Primes</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>INTRAMODULE</td> <td>3</td> <td></td> <td>1</td> <td>NIRCam Only</td> <td>DITHER_DIRECT_IMAGES</td> </tr> </tbody> </table>										#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes	1	INTRAMODULE	3		1	NIRCam Only	DITHER_DIRECT_IMAGES																																																															
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Spectral Elements	<table border="1"> <thead> <tr> <th>NIRCam Imaging</th> <th>Short Filter</th> <th>Long Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Dithers</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F150W</td> <td>F356W</td> <td>MEDIUM8</td> <td>5</td> <td>1</td> <td>3</td> <td>3</td> <td>1578.305</td> <td></td> </tr> <tr> <td>2</td> <td>F090W</td> <td>F444W</td> <td>DEEP8</td> <td>6</td> <td>1</td> <td>3</td> <td>3</td> <td>3510.924</td> <td></td> </tr> <tr> <td>3</td> <td>F150W</td> <td>F356W</td> <td>MEDIUM8</td> <td>5</td> <td>1</td> <td>3</td> <td>3</td> <td>1578.305</td> <td></td> </tr> <tr> <td>4</td> <td>F200W</td> <td>F277W</td> <td>MEDIUM8</td> <td>5</td> <td>1</td> <td>3</td> <td>3</td> <td>1578.305</td> <td></td> </tr> <tr> <td>5</td> <td>F115W</td> <td>F410M</td> <td>DEEP8</td> <td>6</td> <td>1</td> <td>3</td> <td>3</td> <td>3510.924</td> <td></td> </tr> <tr> <td>6</td> <td>F200W</td> <td>F277W</td> <td>MEDIUM8</td> <td>5</td> <td>1</td> <td>3</td> <td>3</td> <td>1578.305</td> <td></td> </tr> </tbody> </table>										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	F356W	MEDIUM8	5	1	3	3	1578.305		2	F090W	F444W	DEEP8	6	1	3	3	3510.924		3	F150W	F356W	MEDIUM8	5	1	3	3	1578.305		4	F200W	F277W	MEDIUM8	5	1	3	3	1578.305		5	F115W	F410M	DEEP8	6	1	3	3	3510.924		6	F200W	F277W	MEDIUM8	5	1	3	3	1578.305								
	NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID																																																																													
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	2	F090W	F444W	DEEP8	6	1	3	3	3510.924																																																																														
	3	F150W	F356W	MEDIUM8	5	1	3	3	1578.305																																																																														
	4	F200W	F277W	MEDIUM8	5	1	3	3	1578.305																																																																														
	5	F115W	F410M	DEEP8	6	1	3	3	3510.924																																																																														
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Spectral Elements	<table border="1"> <thead> <tr> <th>NIRISS Wide Field Slitless Spectroscopy</th> <th>Exposure Type</th> <th>Filter</th> <th>Grism</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DIRECT</td> <td>F200W</td> <td></td> <td>NIS</td> <td>11</td> <td>1</td> <td>3</td> <td>3</td> <td>1449.464</td> <td></td> </tr> <tr> <td>2</td> <td>GRISM</td> <td>F200W</td> <td>GR150C</td> <td>NIS</td> <td>13</td> <td>2</td> <td>3</td> <td>6</td> <td>3414.293</td> <td></td> </tr> <tr> <td>3</td> <td>DIRECT</td> <td>F200W</td> <td></td> <td>NIS</td> <td>11</td> <td>1</td> <td>3</td> <td>3</td> <td>1449.464</td> <td></td> </tr> <tr> <td>4</td> <td>DIRECT</td> <td>F200W</td> <td></td> <td>NIS</td> <td>11</td> <td>1</td> <td>3</td> <td>3</td> <td>1449.464</td> <td></td> </tr> <tr> <td>5</td> <td>GRISM</td> <td>F200W</td> <td>GR150R</td> <td>NIS</td> <td>13</td> <td>2</td> <td>3</td> <td>6</td> <td>3414.293</td> <td></td> </tr> <tr> <td>6</td> <td>DIRECT</td> <td>F200W</td> <td></td> <td>NIS</td> <td>11</td> <td>1</td> <td>3</td> <td>3</td> <td>1449.464</td> <td></td> </tr> </tbody> </table>										NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	DIRECT	F200W		NIS	11	1	3	3	1449.464		2	GRISM	F200W	GR150C	NIS	13	2	3	6	3414.293		3	DIRECT	F200W		NIS	11	1	3	3	1449.464		4	DIRECT	F200W		NIS	11	1	3	3	1449.464		5	GRISM	F200W	GR150R	NIS	13	2	3	6	3414.293		6	DIRECT	F200W		NIS	11	1	3	3	1449.464	
	NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																																																																												
	1	DIRECT	F200W		NIS	11	1	3	3	1449.464																																																																													
	2	GRISM	F200W	GR150C	NIS	13	2	3	6	3414.293																																																																													
	3	DIRECT	F200W		NIS	11	1	3	3	1449.464																																																																													
	4	DIRECT	F200W		NIS	11	1	3	3	1449.464																																																																													
	5	GRISM	F200W	GR150R	NIS	13	2	3	6	3414.293																																																																													
6	DIRECT	F200W		NIS	11	1	3	3	1449.464																																																																														

Proposal 1176 - Observation 111 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Special Requirements

Group Visits within 53.0 Days
Aperture PA Range 210 to 270 Degrees (V3 210.112526 to 270.112526)
Visits Same PA
Offset 190.0 arcsec, -105.0 arcsec
No Parallel
Aperture PA Offset 112 from 111 by 177 to 180 Degrees (Same offsets in V3)

Proposal 1176 - Observation 112 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	Proposal 1176, Observation 112: NEP TDS FIELD Spoke GTO2 Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy										
	(Visit 112:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 112:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous		
	(8)	JWST-NEP-TDS-FIELD	RA: 17 22 47.8960 (260.6995667d) Dec: +65 49 21.54 (65.82265d) Equinox: J2000 <i>Comments:</i> Category=Unidentified Description=[Infrared sources, Radio sources, Variable radiation sources, Visible sources, X-ray sources] Extended=NO								
Template	NIRCam Imaging					NIRISS Wide Field Slitless Spectroscopy					
	Module: ALL Subarray: FULL										
Mosaic	Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order				
	1	2	10.0	57.0	0.0	0.0	DEFAULT				
Dithers	#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes				
	1	INTRAMODULE	3		1	NIRCam Only	DITHER_DIRECT_IMAGES				
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	F356W	MEDIUM8	5	1	3	3	1578.305		
	2	F090W	F444W	DEEP8	6	1	3	3	3510.924		
	3	F150W	F356W	MEDIUM8	5	1	3	3	1578.305		
	4	F200W	F277W	MEDIUM8	5	1	3	3	1578.305		
	5	F115W	F410M	DEEP8	6	1	3	3	3510.924		
	6	F200W	F277W	MEDIUM8	5	1	3	3	1578.305		
Spectral Elements	NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	DIRECT	F200W		NIS	11	1	3	3	1449.464	
	2	GRISM	F200W	GR150C	NIS	13	2	3	6	3414.293	
	3	DIRECT	F200W		NIS	11	1	3	3	1449.464	
	4	DIRECT	F200W		NIS	11	1	3	3	1449.464	
	5	GRISM	F200W	GR150R	NIS	13	2	3	6	3414.293	
	6	DIRECT	F200W		NIS	11	1	3	3	1449.464	

Proposal 1176 - Observation 112 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Special Requirements

Group Visits within 53.0 Days
Visits Same PA
Offset 190.0 arcsec, -105.0 arcsec
No Parallel

Aperture PA Offset 112 from 111 by 177 to 180 Degrees (Same offsets in V3)

Proposal 1176 - Observation 113 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	Proposal 1176, Observation 113: NEP TDS FIELD Spoke GTO3 Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy																																																																																						
	(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 113:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																						
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Proposal 1176 - Observation 113 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Special Requirements

Group Visits within 53.0 Days
Aperture PA Range 120 to 180 Degrees (V3 120.112526 to 180.112526)
Visits Same PA
Offset 190.0 arcsec, -105.0 arcsec
No Parallel
Aperture PA Offset 114 from 113 by 177 to 180 Degrees (Same offsets in V3)

Proposal 1176 - Observation 114 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	Proposal 1176, Observation 114: NEP TDS FIELD Spoke GTO4 Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy																																																																																						
	(Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Visit 114:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.																																																																																						
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Proposal 1176 - Observation 114 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Special Requirements

Group Visits within 53.0 Days
Visits Same PA
Offset 190.0 arcsec, -105.0 arcsec
No Parallel

Aperture PA Offset 114 from 113 by 177 to 180 Degrees (Same offsets in V3)

Proposal 1176 - Observation 121 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	Proposal 1176, Observation 121: SPITZER IDF Diagnostic Status: Warning Observing Template: NIRCam Imaging									
	(Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(7)	SPITZER-IDF	RA: 17 40 8.0000 (265.0333333d) Dec: +69 00 8.00 (69.00222d) Equinox: J2000							
Comments: Category=Unidentified Description=[High Latitude Field]										
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	FULLBOX		6TIGHT		STANDARD				1
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F444W	MEDIUM8	5	1	6	6	3156.61	
	2	F200W	F356W	MEDIUM8	5	1	6	6	3156.61	

Proposal 1176 - Observation 131 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 131: WFC3-ERS-FIELD</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 131:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(16)	WFC3-ERS-FIELD	RA: 03 32 42.3970 (53.1766542d)							
			Dec: -27 42 7.93 (-27.70220d)							
			Equinox: J2000							
	<p><i>Comments:</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Field galaxies, High-redshift galaxies, Lyman-break galaxies]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULEBOX		4	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	DEEP8	5	1	4	4	3822.29	
	2	F115W	F410M	DEEP8	5	1	4	4	3822.29	
	3	F150W	F356W	MEDIUM8	6	1	4	4	2533.878	
	4	F200W	F277W	MEDIUM8	6	1	4	4	2533.878	
Special Requirements	<p>Aperture PA Range 63 to 73 Degrees (V3 63.112526 to 73.112526)</p> <p>Aperture PA Range 243 to 253 Degrees (V3 243.112526 to 253.112526)</p>									

Proposal 1176 - Observation 311 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 311: NDWFS 1425</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	<p>(Visit 311:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(22)	NDWFS-1425+3254-CENTRE	RA: 14 25 16.4109 (216.3183787d) Dec: +32 54 9.49 (32.90264d) Equinox: J2000									
	<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[Active galactic nuclei, High-redshift galaxies, Infrared galaxies, Quasars]</i> <i>Extended=YES</i></p>											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	21 NDWFS-1425+3254-QUASAR	WATA	SUB2048	CLEAR	NRSRAPID	3	1	1	3.628	12034.1	
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	NRSIRS2RAPID	31	1	true	true	NONE	4	4	1867.378	
	2	PRISM/CLEAR	NRSIRS2RAPID	31	1	false	true	NONE	4	4	1867.378	

Proposal 1176 - Observation 321 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 321: SDSS 0005</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	<p>(Visit 321:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(24)	SDSS-J0005-0006-CENTRE	RA: 00 05 52.3437 (1.4680988d) Dec: -00 06 56.98 (-.11583d) Equinox: J2000									
	<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Active galactic nuclei, High-redshift galaxies, Quasars]</i></p> <p><i>Extended=YES</i></p>											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	23 SDSS-J0005-0006-QUASAR	WATA	SUB2048	CLEAR	NRSRAPID	3	1	1	3.628	12035.3	
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	PRISM/CLEAR	NRSIRS2RAPID	30	1	true	true	NONE	4	4	1809.022	
	2	PRISM/CLEAR	NRSIRS2RAPID	30	1	false	true	NONE	4	4	1809.022	

Proposal 1176 - Observation 331 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 331: z751 Galaxy</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p> <p><i>Comments: No special requirements. There is no restriction on parallel observations as long as our main science goals are not affected.</i></p>											
Diagnostics	(Visit 331:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous			
	(19)	FIGS1292	RA: 12 36 37.9130 (189.1579708d) Dec: +62 18 8.60 (62.30239d) Equinox: J2000			Epoch of Position: 2000						
	<p><i>Comments:</i> <i>Category=Galaxy</i> <i>Description=[High-redshift galaxies]</i> <i>Extended=NO</i></p>											
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	20 ACQTARGET	WATA	FULL	CLEAR	NRSRAPID	3	1	1	42.947	12495.0	
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-DITHER										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G140M/F070LP	NRSIRS2	14	1	false	true	NONE	4	4	4143.245	12494.0

Proposal 1176 - Observation 341 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

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Observation	<p>Proposal 1176, Observation 341: VV 191</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Imaging</p>									
Diagnostics	(Visit 341:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(5)	VV-191	RA: 13 48 22.0992 (207.0920800d) Dec: +25 40 40.01 (25.67778d) Equinox: J2000		Proper Motion RA: 0 Proper Motion Dec: 0					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></p> <p><i>Category=Galaxy</i></p> <p><i>Description=[Elliptical galaxies, Spiral arms, Spiral galaxies]</i></p> <p><i>Extended=YES</i></p>									
Template	Module					Subarray				
	ALL					FULL				
Dithers	#	Primary Dither Type		Primary Dithers		Subpixel Dither Type		Dither Size		Subpixel Positions
	1	NONE				STANDARD				3
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F090W	F444W	SHALLOW4	5	1	3	3	805.258	
	2	F150W	F356W	SHALLOW4	5	1	3	3	805.258	
Special Requirements	Offset 59.35 arcsec, -32.94 arcsec									

Proposal 1176 - Observation 361 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed May 16 00:04:58 GMT 2018

Observation	<p>Proposal 1176, Observation 361: TN-J1338-1942-IRFLD1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 361:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(17)	TN-J1338-1942-IRFLD1	RA: 13 28 26.4420 (202.1101750d) Dec: -19 44 26.97 (-19.74082d) Equinox: J2000							
	<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[High-redshift clusters]</i></p>									
Template	Module				Subarray					
	ALL				FULL					
Dithers	#	Primary Dither Type		Primary Dithers	Subpixel Dither Type		Dither Size	Subpixel Positions		
	1	INTRAMODULE		3	STANDARD			1		
Spectral Elements	#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	1	F150W	F356W	MEDIUM8	5	1	3	3	1578.305	
	2	F200W	F277W	MEDIUM8	5	1	3	3	1578.305	