



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

Cycle: 1, Proposal Category: GTO

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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
	281	PLCK G191.24+62.04	NIRCam Imaging	(25) PLCK-G191.24+62.04

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<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
2A: NEP Time-Domain Field				
	111	NEP TDF Spoke GTO1	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	112	NEP TDF Spoke GTO2	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	113	NEP TDF Spoke GTO3	NIRCam Imaging	(8) JWST-NEP-TDS-FIELD
	114	NEP TDF 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
4C: Backlit galaxies				
	341	VV 191	NIRCam Imaging	(5) VV-191
4D: z=4-5 proto-cluster				
	361	TN-J1338-1942	NIRCam Imaging	(17) TN-J1338-1942

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. All data from the first epoch of the JWST North Ecliptic Pole Time-Domain Field (NEP TDF) will be public rightaway, and possibly other GTO data as well.

OBSERVING DESCRIPTION

WINDHORST IDS --- JWST GTO PROJECT TITLE:

The Webb Medium-Deep Fields: Galaxy Assembly, Supermassive Blackhole Growth, First Light and Reionization Studies

WINDHORST IDS --- JWST GTO SCIENCE SUMMARY:

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Following our original JWST IDS proposal approved in 2002, we will use our allocated 110 hours of GTO time for a survey of Webb Medium-Deep Fields in JWST Cycle 1. Our "WMDF" survey will image ~22 NIRCcam fields in up to 8 filters to $AB < 28.5-29$ mag, totaling 220 arcmin^2 or 0.060 deg^2 , or an area equivalent to ~44 HUDF/XDFs. In several of our NIRCcam fields, coordinated NIRISS grism and imaging parallels will cover our previous NIRCcam 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 NIRCcam 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, 2016, and 2018 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, protoclusters, 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 effects. As a benchmark for the study of high redshift dusty environments, we will also study a nearby overlapping galaxy pair.

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 (# 111 in the PDF Tables). 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/WFC B435+V606 filters, 600 ksec of NuSTAR 3-24 keV images, 900 ksec of Chandra ACIS 0.2-10 keV

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images, 31 hrs of JCMT/SCUBA-2 plus 40 hrs of SMA data at 0.85 mm and 30 hrs of IRAM/Nika2 images at 1-2 mm, as well as 70 hrs of VLA 3 GHz A+B-array images, 147 hrs of VLBA 4.5 GHz data at m.a.s. resolution to sub-microJy levels, and 75 hrs of LOFAR 150 MHz images including LOFAR VLBI. 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 high resolution VLA/VLBA and LOFAR/VLBI images of very high dynamic range. Our data release will also include multi-epoch LBT/LBC + Subaru/HSC Ugriz images to $AB < 26.0-26.5$ mag, multi-epoch GTC/HiPERCAM ugriz images to $AB < 27$ mag, MMT/MMIRS images to $YJHK < 24-23$ mag, plus JPAS 56-narrow band spectrophotometry plus MMT/Binospec and MMIRS spectra to 24-22 mag, to provide astrometric, photometric and spectroscopic calibration, respectively, of the first JWST NIRCcam observations.

Here follow the relevant notes to our Observation Table submitted to STScI on June 19, 2019 and again on March 18, 2020:

(1) We will image with NIRCcam in the standard 8 broad-band filter set, except for the shallowest targets, where we dropped some filters (which GOs can therefore propose to obtain in Cycle 1). For the NEP Time-Domain Field (TDF), 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 of the attached PDF. All coordinated parallels as schedulable with APT 2020.2 in Cycle 1 are indicated in the PDF Tables in parentheses.

(2) Where possible, we implemented coordinated parallel NIRISS imaging to overlap as much as possible with existing HST imaging. 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 fields, 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 additional time-domain science.

(3) All times listed in the PDF Tables are: (Net exposure times) / (Total charged calendar time) as reported by APT 2020.2 as of March 18, 2020. All times were calculated by APT 2020.2 in units of seconds. Only the total sum of 109.94 hr is given in hours. Details are given in the attached aptx file. We refer the reader to our submitted aptx file or PDF tables for the actual observations and their intended layout on the sky. Now the APT overheads have converged as of March, 2020, the APT should be accurate as of the submission date of March 18, 2020.

(4) We needed to drop one target in early 2020 to match our 110.0 hr allocation (the $z=7.51$ Lya galaxy, which GOs can therefore also propose to observe). No further changes in our GTO observing plan are anticipated. If the JWST overheads changes further before or after launch, STScI will

incorporate such changes, which at this point are expected to be minor. Hence, our science plan and our targets to be observed in the PDF Tables are final as of March, 2020. The listed coordinated parallaxes remain essential to the science goals of our WMDP project, and cannot be sacrificed, even if the overheads change somewhat from what we obtained with APT 2020.2 in the PDF Tables as of March 18, 2020.

(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, bluest (0.9-3 micron) NIRC2 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 Zodiacal and rogue-path and straylight contributions in each particular WMDP field.

(6) The only aspects in our aptx file that may change at this point are the initial ORIENTS and observation dates of targets that have a number of observations for time-domain purposes, and these will depend on the actual JWST launch date and the completion of its orbital verification period. Our list of targets and instrument modes and spectral elements per targets will not change.

Further details can be obtained from the aptx and PDF files submitted to STScI on March 18, 2020.

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, Infrared sources, Variable radiation sources]</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: For details on the field selection and choice of pointing center, see:</i> <i>Jansen, R.A., & Windhorst, R.A. 2018, PASP 130, 124001;</i> <i>http://adsabs.harvard.edu/abs/2018PASP..130l4001J</i></p>				
<p><i>The preferred identifications of this newly developed field are (in order of brevity):</i> <i>-- James Webb Space Telescope North Ecliptic Pole Time-Domain Field</i> <i>-- JWST NEP Time-Domain Field</i> <i>-- JWST NEP TDF</i></p>				
<p><i>Deprecated, but retained for historical reasons in "Name in the Proposal" above, are:</i> <i>-- James Webb Space Telescope North Ecliptic Pole Time-Domain Survey Field"</i> <i>-- JWST NEP TDS Field</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 36.4000 (177.4016667d) Dec: +22 23 59.00 (22.39972d) 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>				

Fixed Targets

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(12)	EL-GORDO	RA: 01 02 55.2000 (15.7300000d) Dec: -49 15 29.30 (-49.25814d) 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>		
(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 19.2500 (183.0802083d) Dec: +27 33 8.70 (27.55242d) 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	RA: 13 38 26.1000 (204.6087500d) Dec: -19 42 28.00 (-19.70778d) Equinox: J2000
<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[High-redshift clusters]</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>		
(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>		

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(23)	SDSS-J0005-0006-QUASAR	RA: 00 05 52.3186 (1.4679942d)
		Dec: -00 06 56.20 (-.11561d)
		Equinox: J2000
<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>		
(24)	SDSS-J0005-0006-CENTRE	RA: 00 05 52.3437 (1.4680988d)
		Dec: -00 06 56.98 (-.11583d)
		Equinox: J2000
<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>		
(25)	PLCK-G191.24+62.04	RA: 10 44 42.6000 (161.1775000d)
		Dec: +33 50 53.40 (33.84817d)
		Equinox: J2000
<i>Comments:</i>		
<i>Category=Clusters of Galaxies</i>		
<i>Description=[High-redshift clusters, Rich clusters]</i>		

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

Wed Jun 24 01:03:23 GMT 2020

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	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	MEDIUM8	9	1	4	4	3779.343	
	2	F115W	F410M	MEDIUM8	9	1	4	4	3779.343	
	3	F150W	F356W	MEDIUM8	7	1	4	4	2920.401	
	4	F200W	F277W	MEDIUM8	7	1	4	4	2920.401	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.11255124 to 23.11255124)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.11255124 to 113.11255124)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.11255124 to 203.11255124)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.11255124 to 293.11255124)</p> <p>Offset 88.5 arcsec, 1.5 arcsec</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 Jun 24 01:03:23 GMT 2020

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	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	MEDIUM8	9	1	4	4	3779.343	
	2	F115W	F410M	MEDIUM8	9	1	4	4	3779.343	
	3	F150W	F356W	MEDIUM8	7	1	4	4	2920.401	
	4	F200W	F277W	MEDIUM8	7	1	4	4	2920.401	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.11255124 to 23.11255124)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.11255124 to 113.11255124)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.11255124 to 203.11255124)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.11255124 to 293.11255124)</p> <p>Offset 88.5 arcsec, 1.5 arcsec</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 Jun 24 01:03:24 GMT 2020

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	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	MEDIUM8	9	1	4	4	3779.343	
	2	F115W	F410M	MEDIUM8	8	1	4	4	3349.872	
	3	F150W	F356W	MEDIUM8	7	1	4	4	2920.401	
	4	F200W	F277W	MEDIUM8	7	1	4	4	2920.401	
Special Requirements	<p>Aperture PA Range 19 to 23 Degrees (V3 19.11255124 to 23.11255124)</p> <p>Aperture PA Range 109 to 113 Degrees (V3 109.11255124 to 113.11255124)</p> <p>Aperture PA Range 199 to 203 Degrees (V3 199.11255124 to 203.11255124)</p> <p>Aperture PA Range 289 to 293 Degrees (V3 289.11255124 to 293.11255124)</p> <p>Offset 88.5 arcsec, 1.5 arcsec</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 Jun 24 01:03:24 GMT 2020

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	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	MEDIUM8	8	1	4	4	3349.872	
	2	F115W	F410M	MEDIUM8	8	1	4	4	3349.872	
	3	F150W	F356W	MEDIUM8	6	1	4	4	2490.931	
	4	F200W	F277W	MEDIUM8	6	1	4	4	2490.931	
Special Requirements	<p>Aperture PA Range 5 to 10 Degrees (V3 5.11255124 to 10.11255124)</p> <p>Aperture PA Range 95 to 100 Degrees (V3 95.11255124 to 100.11255124)</p> <p>Aperture PA Range 185 to 190 Degrees (V3 185.11255124 to 190.11255124)</p> <p>Aperture PA Range 275 to 280 Degrees (V3 275.11255124 to 280.11255124)</p> <p>Offset 88.5 arcsec, 1.5 arcsec</p>									

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

Wed Jun 24 01:03:24 GMT 2020

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 36.4000 (177.4016667d) Dec: +22 23 59.00 (22.39972d) 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	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	MEDIUM8	8	1	4	4	3349.872	
	2	F115W	F410M	MEDIUM8	8	1	4	4	3349.872	
	3	F150W	F356W	MEDIUM8	6	1	4	4	2490.931	
	4	F200W	F277W	MEDIUM8	6	1	4	4	2490.931	
Special Requirements	<p>Aperture PA Range 249 to 270 Degrees (V3 249.11255124 to 270.11255124)</p> <p>Offset -86.5 arcsec, -1.0 arcsec</p>									

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

Wed Jun 24 01:03:24 GMT 2020

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 55.2000 (15.7300000d)							
			Dec: -49 15 29.30 (-49.25814d)							
			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	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	MEDIUM8	6	1	4	4	2490.931	
	2	F115W	F410M	MEDIUM8	6	1	4	4	2490.931	
	3	F150W	F356W	SHALLOW4	9	1	4	4	1889.672	
	4	F200W	F277W	SHALLOW4	10	1	4	4	2104.407	
Special Requirements	Offset 87.0 arcsec, 1.5 arcsec									

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

Wed Jun 24 01:03:24 GMT 2020

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	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	MEDIUM8	6	1	4	4	2490.931	
	2	F115W	F410M	MEDIUM8	6	1	4	4	2490.931	
	3	F150W	F356W	SHALLOW4	9	1	4	4	1889.672	
	4	F200W	F277W	SHALLOW4	10	1	4	4	2104.407	
Special Requirements	<p>Offset 54.5 arcsec, -32.0 arcsec</p> <p>Background Limited. Background no more than 40% above minimum</p>									

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

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 261: GAMA 100033</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam 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	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	MEDIUM8	6	1	4	4	2490.931	
	2	F150W	F356W	SHALLOW4	9	1	4	4	1889.672	
	3	F200W	F277W	SHALLOW4	9	1	4	4	1889.672	
Special Requirements	<p>Offset 88.5 arcsec, 1.5 arcsec Background Limited. Background no more than 10% above minimum</p>									

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

Wed Jun 24 01:03:24 GMT 2020

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 19.2500 (183.0802083d) Dec: +27 33 8.70 (27.55242d) 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	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	MEDIUM8	6	1	4	4	2490.931	
	2	F150W	F356W	SHALLOW4	9	1	4	4	1889.672	
	3	F200W	F277W	SHALLOW4	9	1	4	4	1889.672	
Special Requirements	<p>Offset 88.5 arcsec, 1.5 arcsec</p> <p>Background Limited. Background no more than 40% above minimum</p>									

Proposal 1176 - Observation 281 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 281: PLCK G191.24+62.04</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(Visit 281:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous		
	(25)	PLCK-G191.24+62.04	RA: 10 44 42.6000 (161.1775000d) Dec: +33 50 53.40 (33.84817d) Equinox: J2000							
	<p><i>Comments:</i> <i>Category=Clusters of Galaxies</i> <i>Description=[High-redshift clusters, Rich clusters]</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	MEDIUM8	6	1	4	4	2490.931	
	2	F115W	F410M	MEDIUM8	6	1	4	4	2490.931	
	3	F150W	F356W	SHALLOW4	9	1	4	4	1889.672	
	4	F200W	F277W	SHALLOW4	10	1	4	4	2104.407	
Special Requirements	<p>Aperture PA Range 126 to 130 Degrees (V3 126.11255124 to 130.11255124) Offset 88.5 arcsec, 1.5 arcsec</p>									

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

Wed Jun 24 01:03:24 GMT 2020

Observation	Proposal 1176, Observation 111: NEP TDF 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.																																																																															
Diagnostics																																																																																
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: For details on the field selection and choice of pointing center, see: Jansen, R.A., & Windhorst, R.A. 2018, PASP 130, 124001; http://adsabs.harvard.edu/abs/2018PASP..130I4001J</i></p> <p><i>The preferred identifications of this newly developed field are (in order of brevity):</i> -- James Webb Space Telescope North Ecliptic Pole Time-Domain Field -- JWST NEP Time-Domain Field -- JWST NEP TDF</p> <p><i>Deprecated, but retained for historical reasons in "Name in the Proposal" above, are:</i> -- James Webb Space Telescope North Ecliptic Pole Time-Domain Survey Field" -- JWST NEP TDS Field Category=Unidentified Description=[Infrared sources, Radio sources, Variable radiation sources, Visible sources, X-ray sources] Extended=NO</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																																																														
	#	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																																																																														
<table border="1"> <thead> <tr> <th colspan="5">NIRCam Imaging</th> <th colspan="5">NIRISS Wide Field Slitless Spectroscopy</th> </tr> </thead> <tbody> <tr> <td colspan="10">Module: ALL</td> </tr> <tr> <td colspan="10">Subarray: FULL</td> </tr> </tbody> </table>										NIRCam Imaging					NIRISS Wide Field Slitless Spectroscopy					Module: ALL										Subarray: FULL																																																		
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Module: ALL																																																																																
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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																																																								
	Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order																																																																									
1	2	10.0	57.0	0.0	0.0	DEFAULT																																																																										
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>INTRAMODULEBOX</td> <td>4</td> <td></td> <td>1</td> <td>NIRCam Only</td> <td>DITHER_DIRECT_IMAGE S</td> </tr> </tbody> </table>										#	Primary Dither Type	Primary Dithers	Dither Size	Subpixel Positions	Coordinated Parallel Subpixel Selector	Dither Direct Images Primes	1	INTRAMODULEBOX	4		1	NIRCam Only	DITHER_DIRECT_IMAGE S																																																								
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1	INTRAMODULEBOX	4		1	NIRCam Only	DITHER_DIRECT_IMAGE S																																																																										
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>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>2</td> <td>F090W</td> <td>F444W</td> <td>MEDIUM8</td> <td>7</td> <td>1</td> <td>4</td> <td>4</td> <td>2920.401</td> <td></td> </tr> <tr> <td>3</td> <td>F150W</td> <td>F356W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>4</td> <td>F200W</td> <td>F277W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>5</td> <td>F115W</td> <td>F410M</td> <td>MEDIUM8</td> <td>7</td> <td>1</td> <td>4</td> <td>4</td> <td>2920.401</td> <td></td> </tr> <tr> <td>6</td> <td>F200W</td> <td>F277W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</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	SHALLOW4	8	1	4	4	1674.936		2	F090W	F444W	MEDIUM8	7	1	4	4	2920.401		3	F150W	F356W	SHALLOW4	8	1	4	4	1674.936		4	F200W	F277W	SHALLOW4	8	1	4	4	1674.936		5	F115W	F410M	MEDIUM8	7	1	4	4	2920.401		6	F200W	F277W	SHALLOW4	8	1	4	4	1674.936	
	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	MEDIUM8	7	1	4	4	2920.401																																																																							
	3	F150W	F356W	SHALLOW4	8	1	4	4	1674.936																																																																							
	4	F200W	F277W	SHALLOW4	8	1	4	4	1674.936																																																																							
	5	F115W	F410M	MEDIUM8	7	1	4	4	2920.401																																																																							
6	F200W	F277W	SHALLOW4	8	1	4	4	1674.936																																																																								

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

Spectral Elements	NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042	
	2	GRISM	F200W	GR150C	NIS	8	2	4	8	2834.507		3
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		4
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		5
	GRISM	F200W	GR150R	NIS	8	2	4	8	2834.507		6	DIRECT
Special Requirements	<p>Group Visits within 53.0 Days Aperture PA Range 75 to 105 Degrees (V3 75.11255124 to 105.11255124) Visits Same PA Offset 190.0 arcsec, -98.0 arcsec No Parallel</p> <p>Aperture PA Offset 112 from 111 by 179 to 180 Degrees (Same offsets in V3) Aperture PA Offset 113 from 111 by -93 to -87 Degrees (Same offsets in V3)</p>											

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

Wed Jun 24 01:03:24 GMT 2020

Observation	Proposal 1176, Observation 112: NEP TDF 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.																																																																															
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Proposal 1176 - Observation 112 - JWST Medium-Deep Fields -- Windhorst IDS GTO Program

Spectral Elements	NIRISS Wide	Exposure Type	Filter	Grism	Readout	Groups/Int	Integrations/Ex	Two Extra	Total Dithers	Total	Total Exposure	ETC
	Field Slitless Spectroscopy				Pattern		p	Dithers		Integrations	Time	Wkbk.Calc ID
1		DIRECT	F200W		NIS	9	1	NO	4	4	1589.042	
2		GRISM	F200W	GR150C	NIS	8	2	4	8	2834.507		3
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		4
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		5
	GRISM	F200W	GR150R	NIS	8	2	4	8	2834.507		6	DIRECT
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA Offset 190.0 arcsec, -98.0 arcsec No Parallel</p> <p>Aperture PA Offset 112 from 111 by 179 to 180 Degrees (Same offsets in V3)</p>											

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

Wed Jun 24 01:03:24 GMT 2020

Observation	Proposal 1176, Observation 113: NEP TDF 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

Spectral Elements	NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042	
	2	GRISM	F200W	GR150C	NIS	8	2	4	8	2834.507		3
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		4
	DIRECT	F200W		NIS	9	1	NO	4	4	1589.042		5
	GRISM	F200W	GR150R	NIS	8	2	4	8	2834.507		6	DIRECT
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA Offset 190.0 arcsec, -98.0 arcsec No Parallel</p> <p>Aperture PA Offset 113 from 111 by -93 to -87 Degrees (Same offsets in V3) Aperture PA Offset 114 from 113 by 179 to 180 Degrees (Same offsets in V3)</p>											

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

Wed Jun 24 01:03:24 GMT 2020

Observation	Proposal 1176, Observation 114: NEP TDF Spoke GTO4 Diagnostic Status: Warning Observing Template: NIRCam Imaging Coordinated Parallel Template(s): NIRISS Wide Field Slitless Spectroscopy																																																																															
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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>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>2</td> <td>F090W</td> <td>F444W</td> <td>MEDIUM8</td> <td>7</td> <td>1</td> <td>4</td> <td>4</td> <td>2920.401</td> <td></td> </tr> <tr> <td>3</td> <td>F150W</td> <td>F356W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>4</td> <td>F200W</td> <td>F277W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</td> <td></td> </tr> <tr> <td>5</td> <td>F115W</td> <td>F410M</td> <td>MEDIUM8</td> <td>7</td> <td>1</td> <td>4</td> <td>4</td> <td>2920.401</td> <td></td> </tr> <tr> <td>6</td> <td>F200W</td> <td>F277W</td> <td>SHALLOW4</td> <td>8</td> <td>1</td> <td>4</td> <td>4</td> <td>1674.936</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	SHALLOW4	8	1	4	4	1674.936		2	F090W	F444W	MEDIUM8	7	1	4	4	2920.401		3	F150W	F356W	SHALLOW4	8	1	4	4	1674.936		4	F200W	F277W	SHALLOW4	8	1	4	4	1674.936		5	F115W	F410M	MEDIUM8	7	1	4	4	2920.401		6	F200W	F277W	SHALLOW4	8	1	4	4	1674.936	
	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	MEDIUM8	7	1	4	4	2920.401																																																																							
	3	F150W	F356W	SHALLOW4	8	1	4	4	1674.936																																																																							
	4	F200W	F277W	SHALLOW4	8	1	4	4	1674.936																																																																							
	5	F115W	F410M	MEDIUM8	7	1	4	4	2920.401																																																																							
6	F200W	F277W	SHALLOW4	8	1	4	4	1674.936																																																																								

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

Spectral Elements	NIRISS Wide Field Slitless Spectroscopy	Exposure Type	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Two Extra Dithers	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	DIRECT	F200W			NIS	9	1	NO	4	4	1589.042
2	GRISM	F200W		GR150C	NIS	8	2	4	8	2834.507		3
	DIRECT	F200W			NIS	9	1	NO	4	4	1589.042	4
	DIRECT	F200W			NIS	9	1	NO	4	4	1589.042	5
	GRISM	F200W	GR150R		NIS	8	2	8	2834.507		6	DIRECT
Special Requirements	<p>Group Visits within 53.0 Days Visits Same PA Offset 190.0 arcsec, -98.0 arcsec No Parallel</p> <p>Aperture PA Offset 114 from 113 by 179 to 180 Degrees (Same offsets in V3)</p>											

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

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 121: SPITZER IDF</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Imaging</p>									
Diagnostics	(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							
	<p><i>Comments:</i></p> <p><i>Category=Unidentified</i></p> <p><i>Description=[High Latitude Field, Infrared sources, Variable radiation sources]</i></p>									
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	SHALLOW4	10	1	6	6	3156.61	
	2	F200W	F356W	SHALLOW4	10	1	6	6	3156.61	
Special Requirements	Background Limited. Background no more than 40% above minimum									

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

Wed Jun 24 01:03:24 GMT 2020

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	MEDIUM8	9	1	4	4	3779.343	
	2	F115W	F410M	MEDIUM8	9	1	4	4	3779.343	
	3	F150W	F356W	MEDIUM8	6	1	4	4	2490.931	
	4	F200W	F277W	MEDIUM8	6	1	4	4	2490.931	
Special Requirements	<p>Aperture PA Range 63 to 73 Degrees (V3 63.11255124 to 73.11255124)</p> <p>Aperture PA Range 243 to 253 Degrees (V3 243.11255124 to 253.11255124)</p>									

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

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 311: NDWFS 1425</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 311:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
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	35	1	true	true	NONE	4	4	2100.8	
	2	PRISM/CLEAR	NRSIRS2RAPID	35	1	false	true	NONE	4	4	2100.8	
Special Requirements	Background Limited. Background no more than 40% above minimum											

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

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 321: SDSS 0005</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	(Visit 321:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.											
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	35	1	true	true	NONE	4	4	2100.8	
	2	PRISM/CLEAR	NRSIRS2RAPID	35	1	false	true	NONE	4	4	2100.8	
Special Requirements	Background Limited. Background no more than 40% above minimum											

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

Wed Jun 24 01:03:24 GMT 2020

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	6	1	3	3	934.099	
	2	F150W	F356W	SHALLOW4	6	1	3	3	934.099	
Special Requirements	Offset 59.35 arcsec, -32.94 arcsec									

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

Wed Jun 24 01:03:24 GMT 2020

Observation	<p>Proposal 1176, Observation 361: TN-J1338-1942</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam 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	RA: 13 38 26.1000 (204.6087500d) Dec: -19 42 28.00 (-19.70778d) 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	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	F150W	F300M	BRIGHT2	10	1	4	4	858.942	
	2	F182M	F335M	BRIGHT2	10	1	4	4	858.942	
	3	F210M	F360M	BRIGHT2	10	1	4	4	858.942	
Special Requirements	<p>Offset 123.0 arcsec, -35.0 arcsec Background Limited. Background no more than 40% above minimum</p>									